Table LIII.- Iranufactures of 20 principal cilies: 1880 -Condinued.
CITY OF DETROIT.

| average number of hands raployeg. |  |  | Total anvount paid in wages duriag the year. | Matorials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males above 16 years. | Females above 15 years. | Children and youths. |  |  |  |  |
| 12,477 | 2,430 | 1, 208 | Dollars. $6,200,460$ | Doltars. 18, 150, 995 | Dollars. $20,181,416$ |  |
| 33 18 80 203 529 | $\begin{array}{r}10 \\ 9 \\ 12 \\ \hline 54\end{array}$ | 3 7 3 2 29 20 | 17,290 12,570 37,064 12,150 317,100 | 84,300 9,625 33,300 20.509 605,450 | 141,900 20,900 109,350 42,200 $1,006,025$ | 1 <br> 2 <br> 3 <br> 3 <br> 4 <br> 5 |
| 30 | 25 | 29 | 23, 450 | 50,000 | 103,000 | 6 |
| 6 | 30 | 1 | 10, 160 | 34,500 | 58,000 | 7 |
| 149 |  | 17 | 54, 600 | 145,500 | 2*6,800 | 8 |
| 229 | 12 | 35 | 146,580 | 650,389 | 980, 157 | ${ }^{9}$ |
| 55 | 19 | 44 | 32,409 | 72, 069 | 127, 538 | 10 |
| 669 |  | 3 | 254, 236 | 580, 495 | 005, 195 | 11 |
| 285 | 2 | 8 | 127,945 | 174, 010 | 410,220 | 12 |
| 273 | 767 |  | 380, 926 | 1, 264,106 | 2, 020,182 | 13 |
|  | ${ }_{4}^{4}$ |  | 13, 280 | 8,300 100,000 | 24, 100 145,000 | 15 |
| 27 | 6 | 1 | 18, 150 | 100,000 |  | 15 |
| 93 | 72 | 13 | 63,500 63,500 | 467,400 146,650 | 584,200 280,400 | 16 17 |
| 183 | 115 | 13 | 63,000 41,450 | 113, 100 | 2018, 500 | 18 |
| 14 |  | 2 | 7,920 | 5,970 | 20, 500 | 19 |
| 7 | 2 | 1 | 4,700 | 11, 000 | 27,500 | 20 |
| 10 | 14 | -- | 9,208 | 5,700 | 22, 100 | 21 |
| 123 |  |  | (2, 755 | 1,438,722 | 1, 649, 627 | 22 |
| 9 OCH |  | 64 | 481065 | 915, 905 | 1, 208,855 | ${ }_{24}^{23}$ |
| 264 | 18 | 78 | 119,620 5,120 | 229,002 | 438,801 10 | 2 |
| 55 |  | 7 | 18, 142 | 20,300 | 49, \%00 | 28 |
| 100 | 133 | 1 | 7:4, 609 | 129,400 | 293, 500 | 27 |
| 10 |  |  | 4,880 | 4,470 1,85407 | 14,540 298964 | 28 |
| 1, 088 |  | 7 4 | 486,086 40,409 | $\begin{array}{r}1,885,407 \\ 88,251 \\ \hline 23,525\end{array}$ | 2, 498,634 | $\stackrel{29}{30}$ |
| 34 |  |  | 16, 088 | 233, 975 | 284, 118 | 31 |
| 139 | 2 |  | 56, 993 | 460, 523 | 629, 696 | 32 |
| 30 |  |  | 10,440 | 18,733 | 37,555 $1,143,601$ | 33 34 |
| 299 10 | 4 | 1 | 149,677 4,200 | 640,768 1,850 | $1,143,601$ 13,300 | 34 |
| 260 | 74 | 60 | 126, 472 | 217,797 | 462, 669 | 38 |
| 173 |  | 9 | 109, 440 | 160,300 | 318,200 | 37 |
| 4 |  | 1 | 2,130 | 1,475 | 6, 400 | 38 |
| 315 |  | 10 | 130,235 | 194,299 | 388, 930 | 39 |
| 23 | 30 | 6 | 16, 920 | 2:, 000 | 87, 000 | 40 |
| 20 | 9 | 5 | 12,900 | 42,000 | 91, 000 | 41 |
| 85 | 11 | 3 | 19,802 | $\begin{array}{r}24,860 \\ \hline 1780\end{array}$ | $\begin{array}{r}74,600 \\ 359,954 \\ \hline\end{array}$ | 42 |
| 183 |  | 3 | 93, 3681 | 173,817 | -936, ${ }^{2598}$ | 43 44 |
| $\begin{array}{r}677 \\ 65 \\ \hline\end{array}$ | 78 | $\begin{array}{r}57 \\ 4 \\ \hline\end{array}$ | $\begin{array}{r}373,262 \\ 20 \\ \hline 0\end{array}$ | 50, 60,500 | 108, 200 | $\stackrel{45}{45}$ |
| 70 | 1 | 6 | 33, 415 | 51, 100 | 120,700 | 46 |
| 338 |  | 68 | 148,595 | 278, 850 | 553, 000 | 47 |
| 750 |  |  | 310,665 | 30, 268 | 739,975 | 48 |
| 18 | 30 | 10 | 12, 860 | 15,800 $1,413,426$ | 36,420 $1,721,231$ | 49 50 |
| 137 |  | 10 | 79,007 | 1,413, 426 | 1,721,231 | 50 |
| 53 | 5 | 19 | 23,400 | 24,500 | 71, 000 | 51 |
| 13 |  |  | 20,750 | 10,500 | 34, 100 | 52 |
| 142 |  | 24 | 68,782. | 100, 705 | 839,760 | i3 |
| 138 | 125 | 80 | 100,725 | 719, 55\% | 1, 212, 146 | 54 |
| 723 | 102 | 74 | 310, 828 | 572,080 | 1,190, 820 | 55 |
| 78 |  | 12 | 44, 142 | 82, 758 | 145, 000 |  |
| 67 | 5 | 9 | 28, 115 | 112, 10,150 | $\begin{array}{r} 172,400 \\ 36.300 \end{array}$ | 5if |
| $\begin{array}{r}32 \\ 135 \\ \hline\end{array}$ |  | 3 <br> 23 | 13,670 69.909 | 10,150 37,560 | $\begin{array}{r} 36,300 \\ 192,500 \end{array}$ | 50 |
| 135 243 | 10 25 | ${ }_{2}^{23}$ | 69,980 67,680 | 37,560 131,500 | $\begin{aligned} & 192,500 \\ & 206,550 \end{aligned}$ | 60 |
| 31 |  | 3 | 14,300 | 13,850 | 40, 849 | 01 |
| I, 837 | 550 | 327 | 971, 185 | 2, 222,470 | 3,971,739 | 62 |

brick and stone; matches; masical instruments, organs, and materials; musical instraments, pianos, and materials; peedles and pins; oil, lubricating; pans, gold; pickles, preserves, zud sances; pipat tetaeco; refrigerators; regalia and society banners and emblems; safes, doors, and vaults, fireproit saws; scales and balances; show-cases; stone-and earthen-ware; tolegriph and telephone appuraius; umbrellas and canes; varnish; whips; and window blinds gad sharlos

Tablif LIII.—Manufactures of 20 principal cities: 1880-Continued,
JERSEY CITY.

|  | Mechanical and manafaoturing industries | No. of establish meats. | Capital |
| :---: | :---: | :---: | :---: |
|  | All industries . | 584 | Dollars. $11,899,915$ |
| 1 | Blacksmithing. | 40 | 32,500 |
| 2 | Boots and shoos, including custom work and repairing.- | 39 | 29, 415 |
| 3 | Brass castings. | 4 | 180, 600 |
| 4 | Bread and other batery products. | 46 | 75, 150 |
| 5 | Carpentering .................................................................... | 42 | 41,800 |
| 6 | Carriages and wagons | 6 | 22,600 |
| 7 | Clothing, men's................................................................... | 22 | 59,000 |
| 8 | Confectionery .... | 6 | 24,500 |
| 19 | Cooperage ............a | 6 | 167,700 |
| 10 | Dentistry, mechanical | 4 | 9,500 |
| 11 | Drugs and chemicals | 8 | 550,000 |
| 12 | Fonndery and machine-shop products | 23 | 768, 300 |
| 13 | Furniture ..... | 3 | 3,600 |
| 14 | Tron and steel .......- | 3 | 850,000 |
| 15 | Iron ralling, mrought. | 3 | 2,300 |
| 16 | Kindling wood. |  | 28,400 |
| 17 | Tiquors, malt.-..-.-.... | 5 | 300,500 |
| 18 | Locke and gun-smithing .. | 4 | -550 |
| 19 | Marble and stone work .... | 12 | 35,850 |
| 20 | Masomry, brick and stone.. | 5 | 23,400 |
| 21 | Mrettresses and spring beds. | 5 | 25,000 |
| 22 | Painting and paperianging | 30 | 40,350 |
| 23 | Photographing -.-...... | 14 | 39,800 |
| 24 | Plumbing and gaspitting | 24 | 46, 630 |
| 20 |  |  |  |
| 27 | Sash, doors, and blinds | 9 | 5,150 |
| 28 | Shipbuilding .......... | ${ }^{6}$ | 28, 000 |
| 29 | Shirts .-........... | 25 4 | 263,500 8,600 |
| 30 | Slaughtoring and moat-packing, not including retail butchering estab. fishments. | 20 | 1,272, 200 |
| 31 | Sugar and molasses, refined................ |  | 2, 100,000 |
| 32 | Tinware, copperwaro, and sheet-iron ware | 24 | 2, 62, 400 |
| 33 | Tobacco, cirare, and cigarettes | 40 | 80,125 4,450 |
| 35 | Whoelwrighting. .................. | $\stackrel{8}{17}$ | 4,450 15,700 |
| 36 | Wood, turned and carved. | 3 | 13,500 |
| 37 | Miscellaneons industries ( $a$ ) | 62 | 4,556, 725 |

a The 68 establishments classed as " miscerlaneons industries" are grouped in order that the business of individual establishments way not bo disclosed to the prblic. In this rroun are embraced: awnings and tents; baskets, rattan and willow ware; billard tables and materials; boves, wooden, packing; bridges; colkns, burial-cases, and undertakers' goods; coppersmithing; corsets; crucibles; dyeing and cleaning; explosires ath tireworks; fancy articles; flouring- and grist-mill products; hardwart; hosiery and lenit goods; ink; iron Johks, nuts, washers, aud rivets; fron forgings; iron pipe, wrought;

## CITY OF LOUISVILLE.

|  | All industries.. | 1,108 | 21, 767,013 |
| :---: | :---: | :---: | :---: |
| 1 | Agrieultaral implenuents | 6 | 1,915,100 |
| $\stackrel{2}{2}$ | Baskets, rattan anil willow wary | 7 | 1, 2,80 |
| 3 | Jhacksmithing ................................................................... | 49 | 45, 110 |
| 4 |  | 3 | 49,469 284,000 |
| 6 | Boot and shoe uppers. |  | 14,050 |
| 7 | Boxes, rooden, pricking. | 4 | 58,6iP |
| $\stackrel{8}{8}$ | 13rass casting | 6 | 69, 600 |
| 10 | Mread ami ofier bakery products | 69 | 193. 84 |

Table LIII.-Mranufactures of 20 principal cities: 1880-Continued.
JERSEY CITY.

iron doors and sintters; irory and bone work; lamps and reflectors; lard, refined; lenther, curried; leather, tanded; looking-glass and picture frames; mingral aud soda waters; models and paltems; oil, castor: paints; paper (not specified) ; patent medicines and compounds; pencils, lead; pump; mbber and elastic coods; silk and silk goods; soap and candles; sporting goods; steam hittinga and heating apparatus; stone-and earthen-ware; tobacco, chewing, smoking, and snuff; trunksandvalised; umbrellas aud canes; Tratch and clock repaing ; wheelbarrows; window'blinds and shades; wireworl; and zinc.

CITY OF LOUISVILLE.

| 13,480 | 2,829 | 1,139 | 5,885,545 | 21, 207, 110 | $35,423, .203$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 688 | 10 | 10 | 261, 661. | 640,600 | 1,220,700 | 1 |
| 6 |  | 1 | 1,916 | 1,755 | 1, 7, 82\% 1 | 2 |
| 80 |  |  | 38,528 | 36, 875 | 199,315 | 3 |
| 82 | 29 |  | 20, 140 | 52,150 | 95, 800 | 4 |
| 465 | 127 | 25 | 218,019 | 303,225 | 74,202 | 5 |
| 23 | 11 |  | 18,857 | 69, 600 | 302,980 | $G$ |
| 56 |  | 3 | 27,400 | 55,400 | 107.000 | 7 |
| 52 |  | 9 | 20, 0 ¢0 | 80, 020 | 114, 276 | 8 |
| 193 | 21 | 6 | (05,431 | 377,311 | 582,925 | 9 |
| 299 |  | 16 | 68,140 | 45,650 | 151, 175 | 10 |

Table LIII.-Manufactures of 20 principal cities: 1880-LOUISVILLE-Continued.


Table LIII.-Manufactures of 20 principal cilies: 1880-LOUISVILLE-Continued.

| average number of hands mmplotad. |  |  | Total amonnt paid in wages during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Nales above } 16 \\ & \text { rears. } \end{aligned}$ years. | Females above 15 years. | Children and youths. |  |  |  |  |
|  |  |  | Dollars. | Dollars. | Dollars. |  |
| 58 | 8 | 2 | 24, 810 | $35,600$ | $75,980$ | 11 |
| 369. |  | 5 | 163, 897 | 385, 650 | 718,600 | 12 |
| 876 | ${ }_{70}^{2}$ | 14 | 156, 422 | 390,540 | 717, 575 | 13 |
| 782 | 763 220 | 25 | 300,511 53,300 | 724,683 275,600 | $1,308,718$ 388,900 | 14 15 |
| 21 |  | 8 | 20,500 | 150,000 | 200, 200 | 15 |
| 68 |  |  | 29,100 | 41,700 | 120, 800 | 17 |
| 90 | 17 | 5 | 33, 814 | 151749 | 263,430 | 18 |
| 537 |  | 7 | 254, 931 | 368 , 660 | 762, 800 | 19 |
| 73 |  | 1 | 31, 979 | 28,600 | 75, 350 | 20 |
| 8 |  |  | 6,075 | 14,700 | 49,500 | 21 |
| 13 |  |  | 5,400 | 2.2, 800 | 46, 000 | ${ }_{22}^{27}$ |
| 4 | 3 |  | 2,300 | 1,700 | 9,170 | 23 |
| 94 |  |  | 35, 350 | 837, 115 | 951,850 | 24 |
| 1,533 |  | 35 | 012, 155 | 1,312,881 | 2,343,039 | 25 |
| 543 | 4 | 93 | 220,000 | 850,705 | 787,460 | 20 |
| 181 | 10 | 40 | 85, 676 | 117,845 | 24, 070 | 27 |
| 132 | 1 | 26 | 39,017 | 87,093 | 183, 075 | 28 |
|  | 8 |  | 2,431 | 10, 265 | 25, 000 | 29 |
| 14 |  |  | 0,850 | ti, 500 | 21, 800 | 30 |
| 9 | 2 |  | 3,908 | 5,600 | 11,800 | 31 |
| 6 |  |  | 3,820 | 1,800 | 11, 000 | 32 |
| 468 |  | 2 | 149, 187 | 3015,784 | 514, 683 | 33 |
| 31 |  |  | 12,004 | 19,940 | 48.493 | 34 |
| 31 | 2 | 1 | 14,794 | 23, 28.4 | 53, 703 | 35 |
| 43 |  |  | 11, 855 | 228,090 | 275,400 | 36 |
| 374 <br> 218 <br> 18 | 1 | 10 | 160,673 80,835 | 1, 2681,931 | 1, 855,590 | 37 |
| 275 | 7 | $\frac{1}{2}$ | 134, 291 | 575, 53 | 1, $38.89,521$ | 38 39 |
| 43 | 12 | 10 | 22, 324 | 22, 526 | 50, 270 | 40 |
| 10 |  |  | 4,458 | 11,500 | 19,400 | 41 |
|  |  |  | 2, 130 | 4,510 | 12,040 | 42 |
| 235 70 |  | $\frac{2}{7}$ | 106, 475 | 336, 407 | 611204 | 43 |
| 167 |  | 7 | 80,724 | 103, 1306 | 319,500 | 44 |
| 78 |  | 7 | 35,674 | 53, 300 | 113,150 |  |
| 35 | 6 |  | 15,573 | 40, 280 | 75, 800 | 47 |
| 3 | 79 | 5 | 20, 240 | 96, 600 | 149,900 | 48 |
| 15 |  | 4 | 7, 812 | 10, 100 | 30,503 | 49 |
| 79 | 154 | 112 | 100, 862 | 446,570 | 654, 329 | 50 |
| 20 |  |  | 12, 833 | 13,800 | 42, 200 |  |
| 111 |  | 5 | 43, 248 | 37, 510 | 116,27 | 52 |
| 33 | 10 | 5 | 14. 180 | 106, 000 | 382, 810 | 53 |
| 81 | 4 | 1. | 18,300 | 2T, (\%) | 103, 685 | 54 |
|  |  | 3 | 34,560 | 24, 423 | 120,975 | 55 |
| 668 | 104 | 65 | 416,551 | 433, 164 | 1,188,067 | 56 |
| ${ }_{20}^{24}$ |  | $\stackrel{2}{2}$ | 11, 160 | 12, 010 | 33, 789 | 57 |
| 298 |  | 23 | - 11.6897 | 32,700 520 525 | 58, 350 | 58 |
| 9 | 100 |  | 19,004 | -30, 774 | 80, 65.315 | 50 |
| 6 |  | 2 | 1,950 | 2,650 | 6,000 | 61 |
| 358 |  | 8 | 141,092 | 3, 438, 45 | 4, 287, 158 | 62 |
| 23 |  | 4 | 8,900 | 4, 950 | 18,400 | 63 |
| 151 |  | 5 | 73, 548 | 228,395 | 419,030 | 64 |
| 742 | 430 | 203 | 188,517 | 1,162,891 | 2,312,802 | 65 |
| 336 | 67 | 111 | 141, 148 | 245, 863 | 684, 842 | 66 |
| 13 |  | 17 | 44, 101 | 73, 300 | 164, 100 | 67 |
| 15 |  |  | -5,210 | 64, 805 | 89,000 | 68 |
| 5 |  |  | 3,300 | 1,385 | 15, 650 | 70 |
| 33 |  |  | 17,534 | 10, 250 | 64, 500 | 71 |
| ${ }^{62}$ |  | 36 | 30, 299 | 50, 758 | 114, 767 | 72 |
| 92 | $15 \pm$ | 114 | 102, 212 | 401, 970 | 609, 079 | 73 |
| 1,105 | 445 | 86 | 495, 267 | 2, 412, 485 | 3,680, 539 | 74 |

stained, and ormamented; grease and tallow; handles, wooden; hats and eaps; iron bolts, nuts, washers, and rivets; iron forgings; labels and tags; lapidary work; lightning-rods; malt; models and patterns; musical jnstruments, organs, and materials; nets and seines; oil, linseed; oleomargarine; paints; paper (not specitied); piekles, peserves, and sances; refrigeratons; sash dions, and binds; saws; scales and balanees; shiphuiding; soap and candles; sporting goods; stencils andurands; stereotyping and electrotyping; toys aud games; unbrellas and canes; and wirework.

# Tabee LIII.-Mantfactures of 20 principal cities: 1880-Continued. CITY OF MILWAUKEE. 

|  | Mechanical and mannfacturing industries. | $\begin{gathered} \text { No. of } \\ \text { establisy- } \\ \text { ments. } \end{gathered}$ | Capital. |
| :---: | :---: | :---: | :---: |
|  | All industries | 844 | Dollars. <br> 18,766,914 |
|  | Baskets, rattan and willow ware. | 4 | 90, 600 |
| 2 | Blacksmithing .................... | 34 | 54, 850 |
| 3 | Bookbinding and blank-book making. | 7 | 21, 700 |
| 4 | Boots and shoos, including custom work and repairing | 58 | 206,275 108,300 |
| 5 | Brass castings............................................ |  |  |
| 6 | Bread and other bakery products | 30 | 61,350 |
| 7 | Brick and tile ..................... | 5 | 338,500 |
| 8 | Brooms and brushes | 4 4 4 | 13,000 149,780 |
| ${ }_{10}^{9}$ | Carpentering . | $\stackrel{4}{5}$ | -5,100 |
| 11 | Carpets, rag -....... | 11 | 07,000 |
| 12 | Clothing, men's. | 52 | 1, 895, 128 |
| 13 | Clothing, women's. | 4 | 64, 000 |
| 14 | Coffes and spices, roasted and gromat | 9 | 257, 624 |
| 15 | Confectionery .......................... | 4 | 144, 054 |
| 18 | Cooperage. | 39 | 142, 250 |
| 17 | Coppersmithing | 3 | 41,500 5 |
| 18 | Condare and twine. | $\stackrel{3}{5}$ | 5,000 8,000 |
| 19 | Dentistry, mechanical | 5 | 8,000 $40,8 \% 2$ |
| 20 | Drugs and chemicals.. |  |  |
| 21 | Flouring and grist-mill products | 11 | 1, 006,000 |
| 23 | Foundery aud machine-shop products. | 30 | 1, 286, 7 , 445 |
| 2 | Furnisling goods, men's | 16 | 320, 800 |
| 25 | Furs, dressed | 3 | 61, 000 |
| 26 | Fairrork... | 3 | 8,500 |
| 27 | Hand -knit gools | 5 | 20.9010 |
| 28 | Hardware....... | 5 | 11.700 |
| 29 | Hats and caps, not including wool bat | 3 | 20,000 |
| 30 | Jewelry-...................... | 4 |  |
| 81 | Leather, curried | 17 | 800,495 |
| 32 | I caither, dressel skins. | 5 | 71,500 |
| 33 | Leather, tamed | 17 | 1, 008,525 |
| 34 | Lithographing. | 4 | 142, 000 |
| 35 | Liquors, distilled |  | 142, 000 |
| 36 | Liquors, malt | 13 | 4, 732, 909 |
| 37 | Iooking glass and picture frames | 4 | 12, 370 |
| 38 | Lumber, planed........ | 3 | 70, 3000 |
| 39 | Marble andi stone work | 11 | 05, 300 |
| 40 | Masonry, brick and stone | 4 | 8,500 |
| 41 | Mattresses and spring beds. | 4 | 3,800 |
| 42 | Mineral and soda waters. | 6 | 34, 2000 |
| 43 | Painting and paperhanging | ${ }^{31}$ |  |
| 44 | Plumbing aud gasfitting... | 88 | 47,610 434,700 |
| 45 | Printing and publishing | 24 |  |
| 46 | Pumps, notincluding steam pamps | 4 | 4, 475 |
| 47 | Saddery and harness.............. | 29 | 73, 3000 |
| 48 | Sash, doors, and blinds. | 7 | 261,000 |
| 49 | Shipbuilding Shirts | 8 <br> 3 | 136,500 2,100 |
| 51 | Slanghtoring and meat-packing, not incluling retail buto lishmeats. | 7 | 789,000 |
| 52 | Soap and cantles ......................................... | 5 | 120,000 |
| 53 | Stone- and earthen-ware | 8 | 60, 700 |
| 54 | Tinware, copperware, and sheet-iron war | 29 | 90, 950 |
| 55 | Tobacco, chewing, smoking, and smuf. | 3 | 331, 000 |
| 56 | Tobacco, cigars, and cigarettes | 50 | 238,375 |
| 57 | Trunks and valises .. | 4 | 183,000 |
| 58 | Upholstering ....... | 6 | 11,900 |
| 59 | Vinggar .......... | 5 | 62, 000 |
| 00 | Watch and clock repairing | 4 | 4, 100 |
| 61 | Wheelwrighting | 13 | 47, 500 |
| 62 | Wirework.. | 5 | 4,750 |
| 63 | Miscellaneous industries (a) | 69 | 2,084,830 |

a The 69 establishments classed as "miscellanemas industries" are gronped in order that the bus: ness of indiridnal establishments mat not be disclosect to the public. In this group are embraced agnentumal implenents; artificial feathers and flowers; artificial limbs; bags, paper; baking and yeast powders; hoot and shoo uppers; boxes, cigar; boxes, fancy and pmer: boxes, wooden, packing; bridges; carringes and steds, children's; eartaco and wagon materials; drain and sererpipe; dyeing and cleaniag; Ulectrophating; engraving aud die-sinking; engravins, wood; fertilizers; fles; foud preparations; turniture chairs; galyanizinur ; gloves aud wittens; iuk; iron andsteel; lightniugrols;

Table LIII.-Manufactures of 20 principal cities: 1880—Continued.
CITY OF MILWAUKEE.

| Ayerage number of hands maployed. |  |  | Total amount - paid in wages during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males $\%$ bove 16 years. | Females above 15 years. | Children and youths. |  |  |  |  |
| 16,015 | 3, 922 | 949 | Dollars. $0,946,105$ | Dollars. $28,975,872$ | Dollars. $43,473,812$ |  |
| 108 | 15 | 161 | 46,660 | 38,895 | 114, 300 |  |
| 103 |  |  | 52, 264 | 31,410 | 122, 540 | 1 |
| 56 | 47 | 18 | 31, 505 | 20,681 | 78,713 | 3 |
| 462 | 55 | 9 | 162, 263 | 389, 474 | 665, 183 | 4 |
| 140 | 2 | 2 | 51,112 | 76,436 | 167, 114 | 5 |
| 102 | 16 | 29 | 37, 254 | 255, 449 | 353, 866 | 6 |
| 346 |  | 43 | 89, 720 | 77, 246 | 225, 808 | 7 |
| 50 | 5 |  | 15, 240 | 16, 720 | 47, 620 | 8 |
| 745 |  |  | 311,581 | 543,315 | 9886, 685 |  |
| 19 | 25 |  | 4,90u | 12,550 | 22, 350 | 10 |
| 148 |  | 2 | 62, 20.3 | 76,500 | 184,000 | 11 |
| 1,909 | 2,350 | 50 | 912, 657 | 2, 243, 365 | 3, 763, 987 | 12 |
| 34 | 163 |  | 20, 900 | 109, 000 | 147, 160 | 13 |
| 125 | 19 |  | 89,550 | 693, 042 | 931, 640 | 14 |
| 110 | 30 | 20 | 43, 542 | 378, 370 | 474, 922 | 15 |
| 526 |  | 35 | 234, 115 | 337, 880 | 680,445 | 16 |
| 20 9 |  |  | 10, 692 | 22, 870 | 44, 392 | 17 |
| 9 10 |  | $\stackrel{\square}{2}$ | 3,200 <br> 4,500 <br> , 200 | 10,000 10,500 | 10,600 30,000 | ${ }_{19}^{18}$ |
| 15 | 12 |  | 4, 386 | [55, 179 | 85, 393 | 20 |
| 263 |  |  | J30, 260 | 3,795, 289 | 4, 204, 708 | 21 |
| 1,437 |  |  | 673,302 | 1,172, 907 | 2, 252,784 | 23 |
|  |  | 1 | 1, 890 | 17,000 | 28,850 | 23 |
| 497 | 14 | 15 | 212, 501 | 293, 301 | 568, 268 | 24 |
| 14 | 38 | 5 | 25, 000 | 80, 500 | 136, 000 | 25 |
|  | 11 |  | 2,800 | 6,050 | 13, 200 | 26 |
| 2 | 588 | - 52 | 14,500 | 4515000 | 83, 000 | 27 |
| 19 | 14 | 10 | 8,600 7 8 | J4, 909 | 32, 160 | $\stackrel{18}{30}$ |
| 18 | 14 |  | 7,500 8,316 | 17,988 | 34,000 47,000 | 29 30 |
| 375 | ................ |  | 160,441 | 1, 874,505 | 2, 210,978 | 31 |
| 40 | - - - - - - . | .............. | 20, 900 | 67, 225 | 104, 581 | 32 |
| 407 |  |  | 173, 661 | 1,612,400 | 2, 101, 195 | 33 |
| 116 20 | 2 | 13 | 57,761 0,180 | $\begin{aligned} & 79, \\ & 95,42 \end{aligned}$ | $\begin{aligned} & 166,860 \\ & 145,050 \end{aligned}$ | 34 35 |
| 1, 040 |  |  | 595,573 | 2,250,345 | 4, 034,319 | 36 |
| 10 |  |  | 7,222 | 1.9,900 | 35, 470 | 37 |
| 115 | 4 | 11 | 35,000 | 50, 010 | 117,000 | 38 |
| 167 27 |  | 2 | 73,250 | 106, 450 | 220, 396 | 39 |
| 27 |  | 2 | 12,000 | 1.4, 000 | 34,750 | 40 |
|  |  |  | 2550 |  |  | 41 |
| 244 | 5 | 5 2 2 | 14, 68,108 | 31,450 95,607 | 62,950 206,540 | 42 43 |
| 95 |  | 1 | 43,600 | 71, 700 | 138, 400 | 44 |
| 518 | 43 | 48 | 268.270 | 200, 486 | 675, 087 | 45 |
| 9 |  |  | 3,150 | 4,622 | 11, 500 | 46 |
| 107 |  | 38 | 44, 451 | 112, 620 | 199,525 | 47 |
| 512 |  | 18 | 139, 100 | 303, 000 | 557, 000 | 48 |
| 227 |  |  | 110, 413 | 133,903 | 301, 705 | 49 |
| 4 | 17 |  | 4,990 | 5,790 | 17, 650 | 50 |
| $9: 8$ |  | 25 | 187, 596 | 5, 529,618 | 6,099,486 | 51 |
| 50 | 4 | 11 | 24.620 | 204, 100 | 280, 090 | 52 |
| 67 |  |  | 17,511 | 21,755 | 66,600 | 53 |
| 150 |  | 4 | 56, 687 | 1066, 094 | 215, 544 | 54 |
| 203 | 6 | 20 | 78,500 | 786, 645 | 978, 281 | 55 |
| 733 | 4 | 77 | 301, 934 | 344, 329 | 88, 500 | 50 |
| 218 |  | 45 | 76, 720 | 115, 800 | $2+4,600$ | 9 |
| 46 |  |  | 22, 800 | 97, 500 | 146,500 | 58 |
| 38 | - |  | 18,415 | 42, 4000 | 149,000 | 59 60 |
| 8 |  | 1 | 3,780 | 4,800 | 12, 675 | 60 |
| 67 8 |  |  | $\begin{array}{r} 27,870 \\ 8,140 \end{array}$ | $\begin{array}{r} 20,800 \\ 3,185 \end{array}$ | $\begin{aligned} & 80,950 \\ & 10,885 \end{aligned}$ | 01 <br> 01 <br> 01 <br> 1 |
| 2,160 | 468 | 125 | 1,059,440 | 3,728, 001 | $6,437,945$ | 63 |

lunber, sawed; mixed textiles; models and patterus; masical instruments, organs, and materials; musionl instruments, pianos, and materinls; oil, linseed; paints; patent medieines and compounds; pickles, preserves and sunces; refrigerators; roofing and roofing materials; satios, doors, and vauls, iire-proff scales anil balances; show-cases; starch; steato fittings anilleating apparatus; stoncils and brands; stereotyping and electrotyping; straw woods; twols; toys and games; type founding ; wood preserving; wood, turned and carved; and woolen goods.

Table LIII.-Manufactures of 20 principal cities: 1880-Continued.
CITY OF NEWARK.


Table LIII.-Manufactures of 20 principai cities: 1880-Continued.
CITY OF NEWARK.

| average number of hands mmployed. |  |  | Total amount paid in wages dizing the year. | Materials. | Producta. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males above 16 years. | Females above 15 years. | Children and youths. |  |  |  |  |
| 22,151 | 5,246 | 2, 649 | Dollati. $13,171,339$ | Dollars. <br> 44, 604, 335 | Dollars. <br> $69,252,705$ |  |
| 70 |  | 3 | 36, 030 | 30,687 | 109, 258 | 1 |
| 11 | 6 | 2 | 10, 072 | 30, 340 | 51, 000 | 2 |
| 793 | 233 | 72 | 562, 331 | 1, 148, 583 | 1,949, 872 | 3 |
| 82 | 383 | 57 | 114,838 | 19i, 850 | 357,450 | 4 |
| 197 | 4 | 6 | 94, 630 | 100,468 | 273,110 | 5 |
| 249 | 0 | 16 | 139,415 | 677, 048 | 909, 211 | 6 |
| 39 | 20 | 10 | 29, 158 | 40, 40.817 | 80, 102 | 7 |
| \% 876 | 199 | $\stackrel{158}{93}$ | 258, 510 | 292, 6000 | - $\begin{array}{r}\text { 613, } \\ \text { 1,390, } \\ \hline\end{array}$ | 8 |
| 1, 079 |  | 23 | 54i, 1,772 | 653, 218 | $1,390,874$ 7,700 | 10 |
| 95 |  |  | 53, 069 | 93,461 | 202,506 | 11 |
| 243 | 1 | 6 | 142, 643 | 186, 450 | 422, 817 | 12 |
| 452 | 174 | 109 | 242, 498 | 388, 262 | 1, 251,540 | 13 |
| 70 463 |  |  | 34,045 448,685 | 1, 150,654 | 140,700 $2,077,351$ | 14 |
| 463 | 559 | 27 | 448, 808 | 1,155, 04.4 | 2,077,351 | 15 |
| 10 | 23 |  | 10,885 | 31, 800 | 59,300 | 16 |
| 19 |  |  | 11, 20 | 49, 350 | 77, 784 | 17 |
| 33 |  | 0 | 29, 85 | 85, 000 | 93, 500 | 18 |
| 129 7 | 14 | 0 | - 0,277 | 367,905 5,950 | 521, 350 | 19 |
| 53 | 340 | 61 | 113, 605 | 213, 080 | 368, 133 | 21 |
| 305 | 894 | 157 | 433,955 | 545,463 | 1, 598, 397 | 22 |
| 433 | 1 | 78 | 243, 182 | 190, 172 | 548, 705 | 23 |
| 417 | 25 | 22 | 202, 406 | $76{ }^{7} 982$ | 1, 280, 329 | 25 |
| 62 | 7 | 8 | 43,555 | 15,582 | 89,954 | 26 |
| 337 | 31 | 162 | 247, 351 | 158, 415 | 542, 499 | 27 |
| 159 | 8 | 29 | 74, 150 | 72, 250 | 169, 145 | 28 |
|  |  |  | 3,201 683,361 | 186,400 910,772 | $\begin{array}{r}225,118 \\ 1,957 \\ \hline 177\end{array}$ | 39 |
| 1,209 | 4 | 60 | 683,36\% | 910,72 | 1, | 3 |
| 128 | 3 | 15 | 60,520 | 93, 770 | 218,603 | 31 |
| 13 | 9 | 5 | 10,285 | 42,315 | 78,495 | 32 |
|  |  | - 4 | 16,890 9,350 | 36,112 368,280 | 64,693 494,500 | 33 34 |
| 279 | 22 | 41 | 130, 803 | 875 , 743 | 672, 730 | 35 |
| 788 | 133 | 150 | 410,836 | 756, 541 | 1,524, 008 | 36 |
| 41 | 7 | 1 | 24, 300 | 15,300 | 157, 530 | 37 |
| 1,637 | 579 | $\begin{array}{r}104 \\ 4 \\ \hline\end{array}$ | 200,315 5,600 | 1, 2169,130 | $\begin{array}{r}2,596,578 \\ 20,000 \\ \hline 72,08\end{array}$ | 38 39 |
| ${ }_{281}^{13}$ | 1 | 4 | 5,200 126,144 | 16,500 471,946 | 20, 771,078 | 39 40 |
| 1,726 | 253 | 178 | 1,087,440 | 1, 03:, 054 | 4, 002, 677 | 41 |
| 41 |  | 10 | 17, 760 | 28, 620 | 62,738 | 42 |
| 99 | 1 | 20 | 19, 550 | 11, 860 | 48, 600 | ${ }_{4}^{43}$ |
| 25 |  | 4 | 9, 900 | 6.200 | 29,506 $8,300,722$ | 4 |
| 1, 207 | 25 | 77 | 729, 112 | 6, 744,728 | 8,300, 722 | 45 |
| 1,142 | 3 | 60 | 080, 073 | 4,952,176 | $6,345,856$ | 46 |
| 689 |  |  | 305, 933 | 1, 592, 798 | 2,812, 300 | 47 |
| 18 |  |  | 11, 155 | 26,750 | 47,650 108 | 48 |
| 60 |  | 16 | 27,850 | 57,330 108,710 | 104, 78.5 | 49 |
| 210 |  | 34 | 177, 359 | 108,710 | 364, 775 | 50 |
| 58 |  | 11 | 30, 811 | 59,000 | 108, 546 | 51 |
| 5 | 2 | 1 | 3, 074 | 10, 500 | 17,900 | 52 |
| 40 |  | 6 | 22,669 | -3, | 12, 077 | 5 |
| 87 |  | 10 | 48,648 | 65,075 | 150, 159 | 55 |
| 22 | 1 | 4 | 13, 289 | 10, 004 | 41, 252 | 56 |
| 179 |  | 18 | 104,955 | 185, 4*0 | 382, 356 | 57 |
| 262 | 25 | 27 | 100, 463 | 156, 200 | 423, 505 | 58 |
| 623 | 69 | 25 | 274, 738 | 674,430 | 1, 180, 404 | 59 |
| 283 | 30 | 19 | 130, 825 | 101, 089 | 386, 936 | 60 |

Table LIII-Mfanufactures of 20 principal oities: 1880-NEWARK-Continued.

|  | Mechanical and manufacturing industrics. | No. of establisiments. | Capital. |
| :---: | :---: | :---: | :---: |
|  | Sewing machines and attachments. |  | Dollars. 203, 300 |
| 63 | Shirts............................. | 11 | 171, 900 |
| 63 | Silk and silk goods. | 3 | 328,500 |
| 64 | Slaughtering and meat-packing, not including retail butchering establishments. | 7 | 232, 000 |
| 65 | Soap and candes .............................................................. | 3 | 20,300 |
| 66 | Springs, steel, car and carriage. | 3 | 66, 393 |
| 67 | Stationery gools........ | 6 | 42, 000 |
| 68 | Stone-and earthen-wars......... | 8 | 38,700 2107 |
| 69 | Tinware, copperware, and sheet-iron ware | 8 | 210,700 |
| 70 | Tobacco, cigars and cigarettes ............. | 61 | 1.53,745 |
| 71 | Trunks and valises. | 13 | 786, 800 |
| 72 | Umbrellas and canes. | 3 | 650 |
| 73 | Upholstering ..... | 4 | 3,300 |
| 74 | Opholstering materials | 3 | 62,500 |
| 75 | Varnish | 16 | 390, 000 |
| 76 | Watch and clock repairing | 19 | 14,500 |
| 77 | Wheolmrighting | 23 | 43.550 |
| 78 | Wood, turned and carved | 10 | 20,050 |
| 79 | Miscellaneous industries (a)............................ | 72 | 1,944,990 |

a The 79 establishments classed as "miscellaneons industries" are grouped in order that the brisiness of iodividual establishments may not be disclosed to the public. In this group are embraced agricultural implements; awniugs and tents; belting and hose, leather; bookbinding; boot and shoe findings; brick aud tile; carriages and sleds, children's; clocks; cordage and twine; cork cutting: dyeing and cloantng; electric lights; electroplating; folt goods; fertilizers; food prepazations; gas machines and meters; hammocks; handles, wooden ; hosiory and knit goods; instruments, professional

## CITY OF NEW ORLEANS.

|  | All industries. | 915 | 8,505,303 |
| :---: | :---: | :---: | :---: |
| 1 | Blacksmithing | 64 | 31,020 |
| , | Bookbinding and blank-book making | 6 | 11,000 |
| 3 | Boot and sboe tindings............ | 9 | 57, 200 |
| 5 | Boots and shoes, inclacling custom work ant repairing. | 64 | 43; 300 |
| 5 | Boxes, fancy and paper..................................... | 4 | 14, 600 |
| 6 | Boxes, wooden, packing | 4 | 15, 200 |
| 7 | Bread and othor bakery products. | 99 | 109.020 |
| 8 | Brooms and brushes ............... | 6 | 11, 5100 |
| 9 | Carpentering ....... | $\underset{8}{29}$ | 58, 000 |
| 10 | Carriages and wagons . | 8 | 38,700 |
| 11 | Clothing, men's. | 33 | 190, 300 |
| 12 | Clothing, women's....... | 6 | 83, 106 |
| 13 | Coftee and spices, roasted and gronnd....... | 3 | 1,300 2,400 |
| 15 | Comins, burid cases, and undertakers' ${ }^{\text {confects }}$ | ${ }^{21}$ | 132, 800 |
| 16 | Cooperage | 53 | 53,650 |
| 17 | Cordials and sirups | 4 | 48, 100 |
| 18 | Cotton-compressing. | 19 | 2, 135, 960 |
| 19 | Dentistry, nuechanical | 3 | 9, 20, |
| 20 | Drags and chemicals | 7 | 16,700 |
| 21 | Dreing and cleaning. | 12 | 6,925 |
| 22 | Flouring and grist-mill products | 4 | 661,69 |
| 23 | Food preparations .................... | 4 | 16, 040 |
| 24 25 | Fonnders and machine-shop products | 20 33 | 738,375 32,970 |
|  |  |  | 710 |
| 27 | Hairwork | ${ }_{6}^{6}$ | 0,100 |
| 28 | Instruments, professional and scientific | 3 | 1. 610 |
| 29 | Iron work, arclitectural aud orammental | 3 | 1. 2 +12 |
| 30 | Iiquors, malt ................................. | 8 | 157,013 |

Table LIII.-Manufactures of 20 principal cities: 1880-NEWARK-Continued.

| aybrage number of mands mmployed. |  |  | Total amount paid in <br> wages during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males above 10 years. | Females above 15 years. | Children and youths. |  |  |  |  |
|  |  |  | Dollars. <br> 430, 654 | Dollars. $602,100$ | Dollars. <br> 1, 062,150 | 61 |
|  | 513 | 21 | 104,549 | 264, 094 | ${ }^{1}$ - 5077 , 806 | 62 |
| 95 | 158 | 61 | 105, 140 | 280, 390 | 4 488,250 | 63 |
| 88 |  |  | 53,822 | 1, 368, 288 | 1, 527,060 | 64 |
| 7 |  | 1 | 2,450 | 8,806 | 14,095 | 65 |
| 87 |  | 1 |  | 125, 250. | 191, 100 | 66 67 |
| 44 | 4 <br> 1 | 14 3 | 20,748 24,138 | 17,040 10,694 | 58, 200 33,750 | ${ }_{68}^{67}$ |
| 256 | 37 | 72 | 118,916. | 359, 584 | 515,913 | 69 |
| 176 | 48 | 83 | 102, 892 | 331, 672 | 550,372 | 70 |
| 1, 106 | 90 | 167 | 549,322 | 1,059, 855 | 2, 013,923 | 71 |
|  |  |  | 1,248 | 1, 179 | 6,440 | 72 |
| 6 |  | 3 | 2,850 | 4,355 | 9,680 | 73 |
| 45 | 76 | 15 | 39, 500 | 75, 000 | 120,000 | 74 |
| 78 | ............. | 3 | 52, 262 | 521, 007 | 792, 774 | 75 |
| 15 |  |  | 10, 800 | 14,500 | 52,830 | 76 |
| 46 |  | 7 | 25,791 | 28, 133 | 75, 600 | 77 |
| 27 |  | 7 | 16,090 | 30,716 | 52,800 | 78 |
| 1,538 | 271 | 297 | 910, 789 | 10,670,327 | 12,239,934 | 79 |

and scientific; iron railing, wrought; ivory and bone work; lasts; lime; lock- and gun-smithing; lumber, sawed: mixed texfiles; mucilage and paste; musical instruments, pianos, and matorials; oil cloth, enameled; oilcloth, floor; oil, lubricating; paints; piokles, preserves, and snuces; refrigerators; rooting ind roofing materials; rubber and elastic goods; sand and emery paper and cloth; saws; shipbuilding; silversmithing; silverware; smelting and refuing; sporting goods; sugar and molasses, refined̃; surgical apptiances; toys and games; watch and clock materials; wirework; aud wooden ware.

CITY OF NEW ORLEANS.

| 7,666 | 1,286 | 552 | 3,717, 557 | 10, 771, 892 | 18, 808, 096 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 147 | 1 | 8 | 71,965 | 53,975 | 185, 673 |  |
| 16 |  | 3 | 10,211 | 5,520 | 24,369 | 2 |
| 40 | 2 | 6 | 20, 270 | 98, 932 | 171, 080 | 3 |
| 209 |  | 6 | 116,809 | 174, 745 | 367, 2,31 | 4 |
| 41 | 12 | 46 | 29;483 | 59, 400 | 125, 928 | 5 |
| 15 | 12 | 6 | 7,572 | 10,220 | 25, 200 | 6 |
| 317 | 8 | 17 | 120,766 | 540, 450 | 981, 100 | 7 |
| 03 |  | 3 | 22, 614 | 89,381 | 334, 619 | 8 |
| 202 |  | 4 | 138, 595 | 2296,400 | 439, 850 | ${ }_{10}^{9}$ |
| 92 |  | 6 | 51, 100 | 46,500 | 135, 600 | 10 |
| 278 | 628 | 30 | 175, 971 | 743,407 | 1,078,559 | 11 |
| 2 |  |  | 43,875 | 113,353 | 189, 278 | 12 |
|  |  | 1 | 1, 524 | 8,510 | 11, 776 | 13 |
| 88 |  |  | 2,911 38 | 4,192 | 12, 866 | 14 |
| 86 | 11 | 17 | 35,754 | 274, 571 | 303, 040 | 15 |
| 256 |  | ... | 109, 839 | 105, 704 | 276, 618 | 16 |
| 30 |  |  | 11, 966 | 43, 000 | 82, 000 | 17 |
| 560 |  |  | 399, 780 | 105, 788 | 747, 510 | 18 |
| ${ }^{6}$ |  | 3 | 5,350 | 8,250 | 20, 150 | 19 |
| 13 |  |  | 4,190 | 8,850 | 22, 750 | 20 |
| 13 | 3 | 1 | 5,080 | 3,890 | 22, 850 | 21 |
| 31 |  |  | 13, 823 | 248, 480 | 317,000 | 22 |
| 12 | 1 | 3 | 5,328 | 19,600 | 47, 850 | 23 |
| 748 |  | 9 | 405, 745 | 596,800 | 1, 228, 300 | 24 |
| $6{ }^{2}$ | 1 | 6 | 30, 281 | 35,429 | 104, 593 | 25 |
| 1 |  |  | 360 | 700 | 3,050 | 26 |
| 6 | 6 |  | 3,592 | 6,900 | 17, 000 | 27 |
| 3 |  |  | 1,200 | 1,700 | 5,460 | 98 |
| 10 |  |  | 3,477 | 4.200 | 14,500 | 9 |
| 113 |  |  | 54,902 | 295, 353 | 457, 744 | 30 |

Table LIII.-Manufactures of 20 principal cities: 1880-NEW ORLEANS—Cont'd.

|  | Mechanical and mannfacturing industries. | No. of establishments. | Capital. |
| :---: | :---: | :---: | :---: |
| 31 | Lithographing. | 3 | 2,000 |
| 32 | Lock- and gun-smithing. | 12 | 2,600 |
| 33 | Looking glass and picture frames. | 5 | 7,050 |
| 34 | Lumber, planed........ | 7 | 78,500 |
| 35 | Lamber, sawred. | 6 | 152, 200 |
| 36 | Marble and stone work | 11 | 62,550 |
| 37 | Masomry, brick and stone. | 16 | 17, 500 |
| 38 | Mrattresses and syring beds | 3 | 3,450 |
| 39 | Mineral and sodi waters. | 7 | 29, 100 |
| 40 | Oil, cottonseed and cake | 7 | 785, 500 |
| 41 | Painting and paperlanging | 12 | 10,425 |
| 42 | Photographing ........... | 12 | 39, 100 |
| 43 | Plumiding and gasfitting | 9 | 16,300 |
| 44 | Printing and publishing -... | 25 | 303, 050 |
| 45 | Rice, clearing and polishing | 6 | 225, 000 |
| 46 | Saddlory and hamess. | 23 | 169,500 |
| 47 | Sash, doors, and blinds | 4 | 285, 000 |
| 48 | Sbipbuilding .-....... | 17 | 145, 900 |
| 49 | Soap ani candes . . . . . . | 12 | 118,450 |
| 50 | Sugar and molasses, refued. | 4 | 385, 060 |
| 51 | Surgical appliances . | 3 | 1,550 |
| 52 | Tinware, copperware, and sheetiron ware | 34 | 34,300 |
| 53 | Tobacce, chewing, minoking, nut stuff. | 8 | 348,000 |
| ${ }_{55}^{54}$ | Tobacco, cigars, and cigarettes | 47 | 175, 674 |
| 55 | Upholstering +........... | 12 | 8,325 |
| 56 | Opholstering materials | 3 | 30,060 |
| 57 | Watch and clock repairing | 13 | 11,600 |
| 58 | Wheelwrighting. | 10 | 13,900 |
| 59 | Wood, tuned and carved | 3 | 5,400 |
| 60 | Miscellaneous industries (a) | 43 | 944, 250 |

a The 43 estabishments classed as "miccellimenas industries" are gromped in order that the business of indiridual establishmente may not he dischosed to the public. In this group are embraced: bags, other than paper; baskets, rattin and willow waru; brick and tile; brass castings; cars, railroad, atreet, aud repairs; cordage and twine ; corls catting; cotton goods; catlery and edge tools ; fertilizers;

CITY OF NEW YORE.


Table LIII.-Manufactures of 20 principal cities: 1880-NEW ORLEANS-Cont'd.

flags and banners; fruits and regetables, canned and preserved; gold and silver, reduced and refined; hammocks; hardware; ice, artificial; japaning; leather, curried; loather, tanned; liquors, distilled; mirrors; patent medicines and compounds; perfumery and cosmetios; plated and britannia waro; pumps; stencils and hrands; stone-and earthen-ware; trunks and ralises; umbrellas and canes; and vinegar.

CITY OF NEW YORK.

| 146, 179 | 71,795 | 9,378 | 97,030,021 | 288, 441,691 | 472, 920,437 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 453 | 2,941 | 104 | 934,768 | 2,241,302 | 4, 298, 654 |  |
| 17 |  |  | 11, 137 | 6, 656 | 44, 620 |  |
| 120 | 77 | 7 | 74, 212 | 314,808 | 457, 035 | 3 |
| 259 | 405 | 83 | 317,850 | 2,910 600 | 3, 584, 300 | 4 |
| 123 | 95 |  | 74,709 | 154, 600 | 200, $5 \pm 7$ | 5 |
| 69 | 29 | 8 | - 35,715 | 77,822 | 171,080 | 6 |
| 234 | 18 | 5 | 150, 094 | 1,362,860 | 1, 690, 739 | 7 |
| 100 |  | 2 | 63, 174 | 278, 443 | 429,330 | 8 |
| 86 |  |  | 56,500 | 171, 000 | 432, 660 | 9 |
| 548 |  | 31 | 367,959 | 284, 517 | 237, 144 | 10 |
| 1,837 | 2,059 | 172 | 1, 553,704 | 2,290,627 | 4, 287,880 | 11 |
|  |  | 14 | 1, 18,687 | 24,692 | 81,100 | 12 |
|  | 133 | 2 | 33,408 | 97,952 | 180, 702 | 13 |
| 4,326 | 1,078 | 183 | 2,474, 050 | 3, 621, 822 | 7,653,000 | 14 |
| 441 | 1,225 | 144 | 301, 042 | 433,218 | 1, 035, 549 | 15 |
| 615 | 1,655 | 85 | 671,620 | 1,044,409 | 2, 173,565 | 16 |
| 491 | 1, | 24 | 306, 682 | 1,715,790 | 1, 242, 844 | 17 |
| 1,074 | 62 | 194 | 576, 971 | 884,737 | 1, 826, 845 | 18 |
| 2,443 | 283 | 111 | 1,275, 723 | 6, 045, 702 | 9, 415, 424 | 19 |
| 500 | 146 | 42 | 281,924 | 981, 918 | 1,573,561 | 20 |
| 93 | 693 | 66 | 178, 18 | 107, 336 | 481, 027 | 21 |
| 3,438 |  | 61 | 2, 242,000 | 3, 454, 265 | 7,096, 315 | 22 |
|  | 7 | 4 | 127,200 | 210, 840 | 434, 569 | 23 |
| 1,517 339 |  | 85 8 | -905,719 | 2, 2641,85 | 2, ${ }_{547} 13,037$ | $\stackrel{24}{25}$ |

Table LIII.-Mamfactares of 20 principal cities: 1880-NEW YORS—Coutinued.

|  | Mechanioal and manufacturing industries. | No. of establishments. | Capital. |
| :---: | :---: | :---: | :---: |
| 20 | Chocolate. | 4 | Dollars. 55,500 |
| 27 | Cloth-finishing. | 8 | 13, 000 |
| 23 | Clothing, men's | 736 | 22, 306, 893 |
| 29 | Clothing, women's | 230 | 4, 805, 665 |
| 30 | Cofice and spices, ronsted and ground | 30 | 1,439, 050 |
| 31 | Coftins, uurial cases, and uudertakers' goods. | 45 | 530,500 |
| $\hat{3}^{2}$ | Collars and cuffe (not specified) (a) | 7 | 537, 000 |
| 33 | Combs | 3 | 2,300 |
| 31 | Confectionery | 187 | 1,521, 758 |
| 35 | Coopurage ... | 44 | 257, 800 |
| 36 | Coppersmithing | 25 | 435, 702 |
| 37 | Corr cutting.. | 11 | 53,600 |
| 38 30 | Corsets..... | 21 | 179, 300 |
| 40 | Cutlery and edge tools | 5 21 | 532,500 41,900 |
| 41 | Drugs and chemicals | 27 | 2, 027, 923 |
| 42 | Dyeing and cleaning. | 27 | 30, 825 |
| 43 | Dyeing and finisking textiles | 23 | 475,500 |
| 44 | Electroplating. | 58 | 150,050 |
| 45 | Euameling.... | 8 | 10,700 |
| 40 | Engravers' materials | 7 | 48,200 |
| 47 | Engraving and die-sinking | 98 | 143,780 |
| 48 | Ingraring, steel... | 21 | 531,300 |
| 49 | Engraving, wood .. | 58 | 16,178 |
| 50 | Paucy articles. | 48 | 433,700 |
| 51 | Fertilizors. | 8 | 502,000 |
| 52 | Flags and banners. | 4 | 32, 000 |
| 53 | Tharoring extracts. | 5 | 19,500 |
| 54 | Mlonring- and grist-mill products | 15 | 1, 870,625 |
| 55 | Food preparations. | 10 | 237, 900 |
| 56 | Foundery and machine-shop products. | 287 | 10, 635,508 |
| 57 | Fruits aud vegetables, cazned and preserved | 4 | 200, 000 |
| 58 | Furnishing goods, men's (b) | 42 | 840, 200 |
| 59 | Franiture... | 299 | 4, 35ju, 683 |
| 60 | T'us, dressed | 60 | 1,050, 875 |
| 61 | Gairamzing | 8 | 273,000 |
| 63 | Gas and lamp fixtures. | 14 | 2,105,000 |
| 63 | Glass, cat, stained, and ornamented | 98 | 557, 188 |
| 64 | Gloves and mittens.. | 5 | 492,000 |
| 65 | Gold and silver, yeduced and refined | 8 | 143, 000 |
| 66 | Gold and silver leaf and foil. | 20 | 144,500 |
| 68 | Grease and tallow | 11 | 461, 334 |
| 68 | Haiuwork ........ | 43 | 132, 5120 |
| 69 | Hamd-knit goods. | 6 | 3, 100 |
| 70 | Hand-sthmps | 13 | 33, 200 |
| 71 | Hardware | 67 | 568,590 |
| 72 | Hat and cap materials | 38 | 387, 298 |
| 73 | Tats and caps, not including wool hats | 111 | 1, 033,575 |
| $7 \pm$ | Hosiery and knit goods | 8 | 310, 010 |
| 75 | Houscfurmishing goods. | 5 | 11, 250 |
| 76 | Ink.. | 3 | 59,000 |
| 77 | Instruments, professional and scicntific | 44 | 304, 750 |
| 78 | Iron bolts, nuts, washers, and rivets. | $\stackrel{9}{7}$ | 115, 0 㖪 |
| 79 | Iron pipe, wrought | 7 | 3890.500 |
| 80 | Iron railing, wrought | 29 | 104,450 |
| 81 | Ivory and bone work. | 8 | 166, 972 |
| 8. | Japanning .. | 9 | 8,750 |
| 83 | Jewelry ... | 240 | 2,531, 8:3 |
| 84 | Kindlizg wood....... | 41 | 475, 450 |
| 85 | Lamps and retlectors ..... | 20 | 207, 000 |
| S0 | Lapidary work | 26 | 99, 250 |
| 87 | Lard, refined. | 11 | 7Na, 36 |
| 88 | Iasts ....... | 3 | 7650 |
| 89 | Leat, bar, pipe, sheet, and shot | 7 | 84, |

a See also Furnishing goots, men's. b See also Collars and cuffs (not specified).

Table LIII.-Mamufactures of 20 principal cities: 1880-NEW YORK-Continued.

|  |  |  | Total amount mailin <br> wages during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males abova 16 ygars. | Females abovo 15 jears. | Children and youths. |  |  |  |  |
| 39 | 44 |  | Dollars. 26,203 | Dollars. 157.403 | Dollars. 257, 1.58 | 26 |
| 42 | 4 | 2 | 17,188 | 20, 0 \% | 207,159 | 27 |
| 30, 4.44 | 16,972 | 231 | 14,012,805 | 40, 210, $3 \pm 0$ | 60, 798, 697 | 23 |
| 1,569 | 10,750 | 47 | 2,856,715 | 11, 745,305 | 18, 930,553 | 20 |
| 363 | 64 | 13 | 207,070 | 4,760,520 | $5,974,458$ | 30 |
| 273 | 136 | 9 | 218, 175 | 525,503 | 1, 098, 103 | 31 |
| 90 | 420 | 4 | 100, 033 | 688, 611 | 1, 001, 284 | 32 |
| 10 |  | 1 | 7,018 | 4,125 | 13,719 | 33 |
| 1, 003 | 629 | 115 | 543, 775 | 3,057,999 | 4, 502, 622 | 32 |
| 450 |  | 5 | 245,922 | 501,288 | 885.571 | 30 |
| 363 |  | 1 | 200, 184 | 591, 313 | 025; 289 | 30 |
| 31 | 19 | 4 | 20, 710 | 55, 000 | 121, 148 | 37 |
| 61 | 950 | 104 | 193, 493 | 883, 001 | 04t, 273 | 38 |
| 120 | 79 | 36 | 96,704 | 847, 188 | 512, 542 | 39 |
| 66 |  | 2 | 43,791 | 17,113 | 03,760 | 40 |
| 38.3 | 198 | 7 | 205.969 | 2, 639,415 | 3,604, 178 | 41 |
| 44 | + |  | 38,845 | 18, 820 | 82,700 | 42 |
| 373 | 54 | 20 | 247, 445 | 195, 544 | 640, 256 | 43 |
| 385 | 41 | 27 | 213, 405 | 153, 815 | 572,718 | 44 |
| 14 | 9 |  | 3, 8. 0 | 4,174 | 38,083 | 45 |
| 56 | 3 |  | 39,390 | 21, 364 | 70,500 | 46 |
| 252 | 4 | 47 | 14:3, 793 | 80, 1536 | 448,466 | 47 |
| 455 | 189 | (1) | 1, 124, 210 | 384, 214 | 1,758, 500 | 48 |
| 133 | 4 | 5 | 102, 9815 | 13, 709 | 215,305 | 49 |
| 593 | 328 | 52 | 36.,589 | 302, 840 | 1,001,205 | 50 |
| 103 |  | 5 | 88, 403 | 172, 129 | 314,96.1 | 51 |
| 5 | 31 |  | 14, 800 | 25,500 | 60,000 | 58 |
| 14 | 5 | 1 | S, 025 | 38, 048 | 63, 362 | 53 |
| 418 |  |  | 280, 741 | 5, 183, 151 | 6,200, 926 | 54 |
| 85 | 26 | 3 | 60, 363 | 338,857 | 470,901 | 55 |
| 0, 352 | 31 | 370 | 5, 373, 142 | 6,223,805 | 14,710,835 | 56 |
| 69 | 178 |  | 64, 2001 | 355, 300 | 450, 010 | 57 |
| 388 | 1,409 | 35 | 506, 801 | 1, 746, 741 | 2,977, 106 | 58 |
| 5, 54] | . 192 | 215 | S, 301, 306 | 4, 204,602 | 9, 605, 779 | 59 |
| 830 | 1, 585 | 22 | 808,615 | 2, 343,357 | 4,474,018 | 60 |
| 929 | 9* | 12 | 129, 020 | 351, 810 | 850,770 | 61 |
| 1,300 | 28 | 98 | 793, 678 | 56, 5is | 2,549, 028 | 62 |
| 813 | 86 | 127 | 432, 000 | 845,604 | 1,747,501 | 83 |
| 31 | 197 |  | ctis, 6 | 509,901 | 1,910,500 | 64 |
| 78 |  |  | 52, 902 | 2, 625,795 | 2,614,817 | 05 |
| 240 | 102 | 8 | 177, 690 | 8\%0,810 | 554,172 | 66 |
| 278 | ${ }^{3}$ | 6 | $1000,07.1$ | 6,242,761 | 6,871,175 | 67 |
| 67 | 236 | 11 | 111, 519 | 235,646 | -510, 309 | 68 |
| $\stackrel{3}{8}$ | 45 |  | 7, 102 | 8,917 | 19,722 | 69 |
| 48 |  | 1 | - 25,478 | 23, 230 | 99,500 | 70 |
| 923 | 18 | 77 | 543, 979 | 615, 199 | 1,479,492 | 71 |
| 408 | . 274 | 15 | 275,214 | 6.31, 692 | 1, 157, 826 | 72 |
| 1,283 | 1, 302 | 40 | 1,120, 840 | 2,097,760 | 4,008, 003 | 73 |
| 81 | 367 | 53 | 174., 349 | 376, 760 | 064, 214 | 74 |
| 21 |  | 11 | - 11, 108 | 9,994 | 27, 24.3 | 75 |
| 24 | 10 | 7 | 13,030 | 126,000 | 181,500 | 76 |
| 245 | 4 | 8 | 148, 446 | 97,480 | 389, 307 | 77 |
| 123 | 6 | 2 | 60, 849 | 141,720 | 249, 202 | 78 |
| 14. | ---.-----..... | 12 | 56,519 | 468.071 | 626,065 | 79 |
| 180 |  | 5 | 119,852 | 146,913 | 858,170 | 80 |
| 171 | 69 | 14 | 91, 040 | 181,774 | 328, 919 | 81 |
| - 22 |  | 15 | 13, 376 | 4,283 | 30,100 | 82 |
| 1,96\% | 213 | 100 | 1. 305, 011 | 2,532, 016 | 5, 00*2, 198 | 83 |
| ${ }^{442}$ | 8 | 88 | 214, 042 | 727, 988 | 1, 213,088 | 84 |
| 290 | 3 | 9 | 141, 439 | - 243,729 | -602,567 | 85 |
| 90 | 11 | 10 | 80,226 | 128,683 | 313,230 | 8t |
| 492 |  | 10 | 254, 883 | 14, 317, 820 | 14, 768, 718 | 4 |
| 19 | 2 |  | 6, 819 | 1,3,600 | 12, 28,410 | cis |
| 98 | 3 | 1 | 53, 145 | 1,189, 492 | $1.810,217$ | 83 |
|  |  |  | 50,398 | 330, 082 | 4 47,319 | 0. |
| 68 CC |  |  |  |  |  | d |

Table LIII.-Mamufatures of 20 principal cities: 1880-NEW YORK-Continned.


TABLE LIII.-Manufactures of 20 principal cities: 1880-NEW YORK-Continued.


Table LIII.-Mantfactures of 20 principal cities: 1800-NEW YORK-Continued.

|  | Mechanical and manafacturingindustries. | Fo. of establish ments. | - Capital. |
| :---: | :---: | :---: | :---: |
|  |  | 91 | Dollars. <br> 50:, 037 |
| 157 | Viuntt limhts and ventilators | 10 | 128,407 |
| 158 | Vingmar........... | 5 | 121, 80 |
| 159 | Watch and clock repairing. | 55 | 170: 205 |
| 160 | Whalebone and mattun .... | 6 | 71, 450 |
| 101 | Wheelwrighting ... | 175 | 210, 680 |
| 162 | Vindow bllmes and shades ... | 11 | 146, 350 |
| 160 | Wirework .-............ | 38 | 478.109 |
| 164 | Wood, turned and carved. | 94 | 507, 3.2 |
| 165 | Miscellaneous industries ( $\boldsymbol{a}$ ). | 53 | 5,701,150 |

a The 53 establishmenta chassed sa "inhseollaneous imhetries" aro gronped in order that tho basiness of individual establishmentan mot be cischosed to he phohe. Tin this grom are embraced: arlogrense; bahbith metalazisokler; baking aud yeas powders; bluing; buhges; brick and tile; bronze
 cordege and twine; dectrical apmaratus; folt goods; thos; gas machines and meters; iron and sted;

CITY ON PHILADELPHIA.

|  | All industries. | 8, 567 | 187, 148, 857 |
| :---: | :---: | :---: | :---: |
| 1 | Arricuitural implemeats | 8 | 447, 000 |
| 2 | Artificial fothers and thowers. | 6 | 81, 510 |
| 3 | Artincial limbs..... | 5 | 10,300 |
| 4 | Amninss and tenis.... | 14 | 42, 300 |
| 5 | Bags, ohter thin paper .... | 5 | 108, 000 |
| 6 | Pags paper. | 11 | 305, 230 |
| 7 | Bakins and yeast powders. | 3 | 9, woid |
| 8 | Buskets, rattan and willow ware | 11 | 20, 100 |
| 9 | Belting ant hose, leatuer. | 8 | 274, 900 |
| 10 | Silliard tables and raterial. | 3 | 25, 000 |
| 11 | Broking. | 4 | 175, 000 |
| 12 | Bheksmithing.. | 205 | 3tr, 70 |
| 13 | bluing. | 4 | 5us, 30 |
| 1.4 | Tmane, ivory, minl ham-bank. | 3 | 413, un |
| 15 | Bookbinding and bhan-book making | 51 | 803,200 |
| 16 | Boot and shoo findings. | 15 | 03, 4.50 |
| 17 | Tont and slat uppers.....-.............-.-.............. | 4 | 7, 8100 |
| 13 | Poots tal shoes, including enstom work and roparing | 581 | 2,970, 190 |
| 19 | Boxes, cignt | 12 | 59, 150 |
| 20 | Boses, fancy and papor. | 33 | 417, 000 |
| 21 | Poxes, wnoden, packing | 46 | 329, 870 |
| 22 | 3rast castings....... | 38 | 782, 001 |
| 23 | Pread amd other bakery lroducts | 843 | 2, 833,418 |
| 21 | Hreck amitile | 78 | 2, 342, 433 |
| 25 | Jrame emstings............ | 4 | 110, 150 |
| 26 | Brouns and brushes. | 60 | 447,884 |
| 27 | Butions................ | 16 | 156, 414 |
| 28 | Card cutting and designiug | 5 | 8.1818 |
| 29 | Carpentering | 326 | 1, E50, 630 |
| 30 | Carpots, otler than rag | 170 | 7, 194,483 |
| 31 | Carpets, rag | 58 | 61,375 |
| 33 | Carriage and wagon materials | 4 | 75, |
| 33 | Carriages and sleds, childreu's. | 8 | 44, 800 |
| 34 | Campages and wagons ... | 110 | 1, 921, 300 |
| 35 | Cars, railrad, street, and repains. | 19 | 1,397,752 |
| 36 | Cleansing and polishing preparations. | 4 | 170,300 |
| 87 | Cloth-timsking | 5 | 107,000 |
| 38 | Olothing, men's | 426 | 8,720,270 |
| 39 | Clothiug, Fomen's. | 49 | 792, 950 |
| $40$ | Coffee and spices, roasted and ground. | 16 | 500,500 |

Table LIII.-Manafactures of 20 principal cilies: 1830-NEW YORK-Continued.

| ayerage mumber of mands employed. |  |  | Total amount paid in wages daring the year. | Niaterials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males above 10 years. | Females abovo 15 years. | Chidlren and youths. |  |  |  |  |
|  |  |  | Dollars. | Dollars. | Dollars. |  |
| 452 | 233 | 38 | 294,849 | 1, 256, 276 | 1,902,289 | 156 |
| 89 |  |  | 50, 285 | 75, 140 | 210, 210 | 157 |
| - |  | $\frac{9}{2}$ | 17,116 | 143, ${ }^{10750}$ | 205,050 | 158 |
| 149 |  | 2 | 83,090 24,907 | 223,036 | 361,641 277,000 | 160 |
| 450 |  | 19 | 231, 290 | 203, 698 | 756, 406 | 161. |
| 109 | 11 | 4 | 81, 694 | 101, 850 | 282, 000 | 162 |
| 561 | 43 | 160 | 373, 666 | [54], 61\% | 1, 250, 306 | 163 |
| 784 | 3 | 38 | 44L, 547 | 673,614 | 1, 251,789 | 164 |
| 1,581 | 1,903 | 266 | 1,479,670 | $5,698,304$ | 8, 968,184 | 165 |

irou forgings; iron work, arehitectural and ornamental; jowolry anl instmment cases; labels and tags; matches; nirrors ; musical instruments and materials (not evecitied); meenles and pins; oil, lard; saws; sholdy; sola-water apmathas; sprivgs, stech, car and earritge; stereotyping and electrotyping; strew goods; taxiderny; tinfoil; wooden ware; worsted goods.

CITY OR PHIMADELPEIA.


Table LIII.-Manufactures of 20 principal cities: 1880-PHILADELPHIA-Cont'd.

|  | Mechanical and manufacturing industries. | No. of establish ments. | Capital. |
| :---: | :---: | :---: | :---: |
| 41 | Coffins, burial cases, and undertakers' goods. | 33 | Dolltrers. <br> 191,300 |
| 42 | Combs... | 4 | 40, 500 |
| 43 | Confectionery | 173 | 1,236, 390 |
| 44 | Cooperage .... | 72 | 424, 050 |
| 45 | Coppersmithing | 8 | 145,500 |
| 46 | Cordage and twine. | 10 | 925,500 |
| 47 | Cork cutting........ | 7 | 45, 050 |
| 48 | Corsots..... | 10 | 62, 800 |
| 48 | Cotton goods | 145 | 8,332,550 |
| 50 | Crucibles . | 5 | 170, 250 |
| 51 | Cutiery and edge tools. | 33 | 1,120,292 |
| 52 | Dentists' materials. | 4 | 715,000 |
| 53 | Drurs and chemicals | 54 | 10, 185, 164 |
| 55 | Dyeing and cloaning.......... | $\frac{11}{57}$ | 2, 359,050 |
| 56 | Flectrical apparatus and supplies. | 3 | 15,000 |
| 57 | Electroplating..................... | 20 | 83, 463 |
| 58 | Engravers' materials | 3 | 5,300 |
| 59 | Engraring and die-sinking | 14 | 41,150 |
| 60 | EngTaring, steel............ | 5 | 49,550 |
| 61 | Engraving, wood. | 20 | 17,725 |
| 62 | Fancy articles... | 18 | 152, 600 |
| 63 | Fertilizors.. | 13 | 610,400 |
| 64 | Files ...... | 12 | 229,450 |
| 65 | Fire-arms.. | 3 | 65, 000 |
| 66 | Flouring and grist-mill products | 17 | 237, 800 |
| 67 | Food preparations.. | 10 | 370, 500 |
| 68 | Foundery and machino-shop products | 226 | 12,231,058 |
| 69 | Fruits and vegetables, canned and preserred | 7 | 252,000 |
| 70 | Furnishing goods, mea's..................... | 21 | 123,740 |
| 71 | Furnitnro | 195 | 3, 140,073 |
| 72 | Furniture, chairs | 23 | 90, 850 |
| 73 | Furs, dressed. | 15 | 235,000 |
| 7 | Galvanining ........ Ges and lamp fixtur | 5 | 350, 000 |
| 76 | Gas machines and meters | 9 | 468, 500 |
| 77 | Glass..... | 10 | 1, 202, 419 |
| 78 | Glass, cut, stained, and ornament ed | 13 | 1, 55,100 |
| 79 | Glue ..................... | 3 | 1, 657,000 |
| 80 | Gold and silcerleaf and foil | 7 | 224,000 |
| 81 | - Grease and tallow | 11 | 268,975 |
| 82 | Hairwork. ...... |  | 84, 100 |
| 83 | Hand-lnit goods. | 6 | 82, 100 |
| 84 | Haxdware ...........- | 39 | 575,500 |
| 85 | Hat and cap materials | 6 | 30, 000 |
| 86 | Hats ani caps, not incluling monl hats | 63 | 799, 253 |
| 88 | Hosiery and knit goods | 95 | 3,402, 650 |
| 89 | Instruments, professional and ss ientita | 11 | 347, 080 |
| 90 | Iron and steel .......... | 10 | 2, 299,245 |
| 91 | Tron bolts, muts, washers, and rin -ats | 10 | 876,500 |
| 92 | ron forgings. | 10 | 323, 810 |
| ${ }_{94} 93$ | Iron anis and spikes, cut aud $\frac{0}{}$ rought | 4 | 21,330 |
| 95 | from priling, wrouqut....... | 3 | 615, 0661 |
| 00 |  |  |  |
| 37 | Irory and bone work. | 10 | 208, 700 |
| 98 | Japaning | 5 | 13, 100 |
| 99 | rewelry matinstrument cases | 29 3 | 496, 9191 |
| 100 | Sindling wood ............... | 27 | 25, 0.020 |
|  | Lamps ant reffectors | 11 |  |
| 103 | Lasts | 16 | 37, 499 |
| 103 | Lead, bur, nipe, shetet, noil abos | 3 | 365, 0,0 |
|  | Leather, camied...... | 22 | 2:1, 716 |
|  | Leather, dressed skins. | 54 | 2,584,747 |

Taber LIII.-hanufacines of 20 mincipal citics: 1880-PHILADELPHIA-Cont'd.

| AYERAGE Numbre of inats matmend |  |  | Total amoma puid in Woges during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males abore 16 years. | $\begin{aligned} & \text { Females above } \\ & 15 \text { years. } \end{aligned}$ | Childem and youtlis. |  |  |  |  |
|  |  |  | Dollyia. | Dollows. | Dollars. |  |
|  | 12 | 8 | 76, 147 31,906 | $\begin{array}{r} 131,520 \\ 0020 \end{array}$ | $309,000$ | 41 |
| 742 | 412 | $1{ }^{6}$ | 83, 206 | 1, $8.89,108$ | 81,420 $2,658,074$ | 4 |
| 648 |  | 17 | 268,20 | 280, 245 | 2, 997, 001 | 44 |
| 87 | 2 | 3 | 47, 104 | 139,719 | 238,923 | 45 |
| 301 | 178 | 108 | 290,033 | 1,090,500 | 1, 541,748 | 46 |
| 33 | 12 | 19 | 19,264 | -4,810 | 59,000 | 47 |
| 20 | 171 | \% | 4.4 .018 | 120,001 | 205,505 | 48 |
| 3,784 | 5,099 | 1,010 | 3, 076, 901 | 8 8, 420, 623 | 14, 268, 696 | 49 |
| 50 |  |  | 26,060 | 14, 2,271 | 212, 189 | 50 |
| 784 | 0 | 68 | 840,917 | 305, 873 | 942,522 | 51 |
| 235 | 60 | 11 | 156, 175 | - 359,000 | 564, 000 | 52 |
| 1,856 | 337 | 4 |  | $7,481,307$ | 11, 804,793 | 53 |
| ${ }_{1} 4_{4} 68$ | $\frac{1}{183}$ | $\stackrel{3}{10}$ | ${ }^{10,} 748$ |  | 49,600 | 54 |
| 1,462 | 188 | 902 | 709, 700 | 1, 770,596 | 4, 310,405 | 55 |
| 16 |  | 1 | 7.472 | 7,149 | 20,770 | 56 |
| 71 | 4 | 11. | 34.102 | 32, 175 | 300. 584 | 57 |
| 53 | 1 | $\frac{1}{4}$ |  | \%.709 | 11, $76 \cdot$ | 58 |
| 41 | 20 | 18 | 20, 80 | -4,695 | 80, 433 | 60 |
| 72 | 3 | 2 | 46,088 | 12, 065 | 95,559 | 61 |
| 127 | 39 | 13 | 76, 155 | 129, 412 | 254,506 | 62 |
| 259 |  | 1 | 11.4, 01 | 6is, 981 | 977, 750 | 63 |
| 268 | 4 | 69 | 115 58 | 14, 628 | 318,513 | 64 |
| 53 |  | 3 | 25,500 | 13,500 | 64, 500 | 65 |
| 82 |  |  | \%1947 | 1,693,531 | 1,954,715 | 66 |
| 100 | 89 | 10 | (i1) 127 | 206, 722 | 371,003 | 67 |
| 9,305 | 68 | \%6\% | 4, 63.6970 | 6, 779.841 | 13, 453,238 | 68 |
| 72 | 138 | 3 | 24, 41 | 4t, 000 | 503, 700 | 69 |
| 61 | 301 | 30 | (2, 510 | 317, 736 | 409,507 | 70 |
| 2, 521 | 60 | 168 | 1,3n7, 419 | 2,461, 054 | 4, 839, 853 | 71 |
| 237 | 13 | 4.15 | 132, 158 | 104, 163 | 889, 194 | 72 |
| 50 | 151 | 5 | ,8,900 | 290,800 | 493,700 | 73 |
| 210 |  | 5 | 110, 638 | 678,300 | 9112, 875 | 74 |
| 283 | 48 | 11 | 133, 759 | 93,085 | 355, 228 | 75 |
| 354 | 7 | 15 | 151,653 | 223,408 | 464, 804 | 76 |
| 1,358 | 128 | 751 | 6, 428 | 696, 383 | 1,621, 859 | 77 |
| 102 | 15 | 10 | 49, 45 | 47.383 | -134, 962 | 78 |
| 438 156 | 75 157 | 50 10 | 15, 18.800 | 1, 13, 709 | ${ }^{1,6996,000} 519,344$ | 79 80 |
|  |  |  |  |  |  |  |
| ${ }_{23}^{68}$ | \% | 1 | 30,379 | 933, 348 | 1, 120,108 | 81 |
| 16 | 596 | 315 | ¢8, 700 | 107, | 215,000 | 83 |
| 496 | 9 | 73 | 24i,017 | 423,770 | 853,588 | 84 |
| 21 | 2 | 5 | 11,430 | 79,600 | 132, 100 | 85 |
| 1,237 | 543 | 50 | 709 | $1,088,6 \mathrm{~cm}$ | 2,300,786 | 86 |
| 2,103 | 4,985 | 1, 268 | 2, 400.588 | $4,58,480$ | 8, 179, 415 | 87 |
| $\begin{array}{r}79 \\ 224 \\ \hline\end{array}$ | 4 | 114 |  | 168,175 87.307 | 350,050 340126 | 88 |
| 1,897 |  | 17.1 | 1,945,570 | 2,580,512 | 4, 257, 279 | 90 |
| 801 | 60 | 218 | 307, 581 | 707, 385 | 1,395,606 | 91 |
| 325 |  | 20 | 108,429 | 329,883 | 561, 487 | 92 |
| 11 | 1 | 5 | 5188 | 17,735 | 331, 518 | 93 |
| 574 | 1 | 12 | 边 | 319,100 | 510, 000 | 94 |
| 108 |  | 1 | 25, 845 | 04, 448 | 180, 032 | 95 |
| 251 | 2 | 63 | 111,698 | 151,499 | 353, 019 | 96 |
| 83 | 8 | 4 | 8,703 | 8,998 | 26,625 | 97 |
| 378 | 24 | 27 | 210,368 | 411, 160 | 789.880 | 98 |
| 37 103 | 13 |  | 11,300 | 13,640 100,698 | 35,000 | 99 100 |
| 203 |  | 14 | 34, 162 | 102, 628 | 177,620 | 100 |
| 86 | 12 | 6 | 47,958 | 51, 326 | 137, 036 | 101 |
| 29 | 8 | 16 | 18.295 | 10, 890 | 44, 234 | 102 |
| ${ }^{29}$ |  | $\stackrel{\square}{2}$ | 29, 075 | 690,500 | 76, 000 | 103 |
| 2,068 | 102 | 88 | 1, ${ }^{768}, 148$ | $\begin{array}{r}791,037 \\ 4,895 \\ \hline\end{array}$ | 907,552 $6,741,796$ | 104 105 |

Table LIII-Manufaotures of 20 mincipal cities: 1880-PFIILADELPHIA-Cont'd.


Table LIII.-Manufactures of 20 principal cilics: 1880-PHILADELPHIA-Cont'd.


Table LIII.-Manufactures of 20 principal cities: 1880-PHILADELPHIA-Cont'd.

|  | Mechanical and mannfacturing industries. | No. of establish ments. | Capital. |
| :---: | :---: | :---: | :---: |
| 171 | Terra-cotta ware. | 4 | Dollars. $71,000$ |
| 172 | Tinware, copperware, and sheet-iron ware | 272 | 1,334, 322 |
| 173 | Tobacco, chewing, smoking, and snuff ..... | 4 | 274,000 |
| 174 | Tobnceo, cigars, and cigarettes. | 473 | 1, 268, 4 6io |
| 175 | 'Lools | 6 | 1, 541,282 |
| 176 | Tors and games | 8 | 79, 100 |
| 177 | Trunks and valises | 21 | 113, 100 |
| 178 | Type fonnding. | 4 | 810.000 |
| 179 | Umbrellas and canes ....... | 28 | 1, 368,900 |
| 180 | Upholstering .... | 71 | 189,000 |
| 181 | Uphoistoring materials | 3 | 95, 000 |
| 182 | Varnish .. | 5 | 228,000 |
| 183 | Vinegar..... | 8 | 50, 285 |
| 184 | Washing-machines and clothes-wringers | 3 | 2,500 |
| 185 | Watch and clock repairing. .............. | 14 | 46,065 |
| 186 | Watch cases | 9 | 530, 175 |
| 187 | Wheelwrighting. | 87 | 140,275 |
| 188 | Whips ........... | 5 | 23,500 |
| 189 | Window blinds and shades. | 23 | 95,950 |
| 190 | Wire... | 3 | 60, 500 |
| 191 | Wiretrork | 14 | 97, 250 |
| 102 | Wood, turned and carred | 31 | 170,950 |
| 103 | Wooden ware.. | 8 | 196,000 |
| 194 | Woolen goods... | 89 | 11, 752, 900 |
| 195 | Worsted goods. | 24 | 4, 459, 639 |
| 196 | Miscellaneons industries ( $a$ ) | 55 | 4, 974, 144 |

a The 50 escabisbments classed as "miscellaneons industries" are grouped in order that the business of individual establishments may not, be disclosed to the puhlie. In this gromp are embraced; cardboard; carpets, wood; cheese and butter; elothins horse; coal tar; collars and cuffs, paper; dentistry, mechanical; fonmery supplies; ghores and mittens; cold and silver, reduced and refined; grindstones; hand-stamps; houseturnishing goods; iron work, arehitectural zad ornamental; lard,

CITY OF PITTSBURGE.


Table LIII.—Manufactures of 20 principal cities: 1880-PHILADELPHIA-Cont

| aybragi number of thand miployed. |  |  | Total amount paid in <br> wages during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITales above 16 years. | Females above 15 years. | Children and youths. |  |  |  |  |
|  |  |  | Dollers. | Dollars. | Dollars. |  |
| 1,480 | 48 | 118 | 169,207 | 1, 105,687 | 57,000 2,080, 969 | 171 |
|  | 54 | 15 | 40, 400 | 1,288,351 | -500,570 | 173 |
| 1,742 | 253 | 143 | 802,546 | 1, 188, 523 | 2, 617,725 | 174 |
|  |  |  | 279,214 | 216,458 | 695,160 | 175 |
| 99 | 77 | 149 | 50,278 | 51,525 | 138,886 | 176 |
| 139 |  | 3 | 62, 485 | 1610, 022 | 280,742 | 17 |
| 279 |  | 25 | 146, 624 | 88, 400 | 417,132 | 178 |
| 616 | 995 | 165 | 478, 817 | 1, 777, 364 | 2, 804, 874 | 179 |
| 218 | 60 | 18 | 114, 503 | 202, 900 | 554, 230 | 180 |
| 15 | 49 |  | 24, 100 | 71,000 | 122,000 | 181 |
| 53 |  |  | 29, 140 | 159, 275 | 307, 210 | 182 |
| 26 |  | 3 | 19, 280 | S1, 644 | 120,960 | 183 |
| 20 |  | 2 | 1,700 9,184 | 850 0.995 | 4,059 30,772 | 184 |
|  |  |  | \%,184 | 9, | 30, 772 | 180 |
| 363 | 54 | 10 | 208, 722 | 492, 480 | 908, 180 | 186 |
| 188 |  | 6 | \$6, 568 | 86, 932 | 252, 997 | 187 |
| 133 |  | 6 | 8,280 | 13, 200 | 44, 000 | 188 |
| 104 | 17 | 16 | 40, 103 | 183,767 | 330,616 | 189 |
| 24 | 12 |  | 13,300 | 77, 810 | 100, 950 | 190 |
| 109 | 1 | 51 | 58,810 | 142,441 | 268,382 | 191 |
| 302 | 17 | 48 | 113,383 | 108,743 | 280, 652 | 192 |
|  |  |  | 3 3506,950 | 14, $\begin{array}{r}49,560 \\ 14,518\end{array}$ | -112, 315 | 193 |
| 1,477 | $\stackrel{4}{4,573}$ | 1,385 789 | 3, $3,205,168$ | 14, $0100,9 \pm 0$ | $21,349,810$ $8,327,282$ | 194 |
| 1,506 | 804 | 107 | 858, 368 | 4, 790, 307 | 7,080, 594 | 196 |

refned; lightning-rods; liquors, distilled; millstones; mucilage and paste; oil, lard; oil, linseed; oilcloth, floor; oleomargarine; paring materials; pens, stecl; registers, car tare; rubber and elastic goods; sand and emery paper and coth; sewing-muchine cases; sodawuter apparatus; spectacles and eyeglasses; stamped ware; taxidermy; tinfoil; wood pulp; and zinc.

CITY OF PITTSBURGH.

| 32,011 | 1,681 | 3,288 | 17,108,989 | 42, 109, 777 | 75, 915, 033 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202 |  | 7 | 132, 769 | 239,710 | 555,150 |  |
| 8 | 7 | 1 | 7,776 | 27, 747 | 57,100 | 2 |
| 83 |  | 3 | 47, 278 | 30, 354 | 136, 963 | 3 |
| 17 | 14 | 1 | 10, 195 | 5,350 | 19,545 | 4 |
| 9 | 8 |  | 12, 100 | 21, 100 | 40,500 | 5 |
| 408 | 22 | . | 128,376 | 289, 896 | 611,378 |  |
| 10 | 26 |  | 12,145 | 13,010 | 31,865 | 7 |
| 84 |  |  | 37, 429 | 91, 410 | 175, 125 | 8 |
| 168 | 81 |  | 103, 534 | 411, 154 | 605, 906 | 9 |
| 201 |  | 40 | 122, 604 | 197, 188 | 385,477 | 10 |
| 692 |  | 3 | 839,104 | 648, 830 | 1, 214,932 | 11 |
| 102 | 4 | 14 | 39,570 | 111, 409 | -200, 400 | 12 |
| 150 |  |  | 76, 105 | 156,04 | 287, 981 | 13 |
| 10 | 5 | 1 | 4,355 | 5,773 | 13, 245 | 14 |
| 182 |  | 1 | 102, 500 | 146, 140 | 346,413 | 15 |
| 67 |  |  | 37,400 | 74,500 | 134,925 | 16 |
| 775 | 475 |  | 314,325 | 1, 10, 200 | 1,708,560 | 17 |
| 25 |  |  | 16,540 | 1, 80, 000 | 130, 040 | 18 |
| 34 9 9 | 57 | 1 | 35, 380 | $1,108,330$ 31,400 | 1, 276,420 | 19 20 |
| 9 | 5 |  | 8,720 | 34, 400 | 63,600 | 20 |
| 154 |  | 2 | 54, 984 | 114,352 | 208, 535 | 21 |
| 57 | 43 | 13 | 50, 550 | 14, 96.95 | - 27517.75 | $\frac{23}{23}$ |
| 414 |  | 77 | 154,596 | Sese 585 | 1, 159, 4982 | $\stackrel{3}{3}$ |
| 326 |  |  | 173,184 28,010 | 209,793 02,240 | 499, 158.646 | $\stackrel{3}{25}$ |

Table LIII-Manufactures of 20 priacipal citics: 1880-PITTSBURGFI-Continmed,

"Thassestablishments classed as "miscellanoous industries" are pronped in order that tho business
 intis: awnings and tents; axle-trease; bags, paper; bellows; bells; boxes, eigar; boxes, woblen, ywhing brass ani copper, rolled; hronze castings; coppersmiting ; cordage and twine; cork cuthing "urdies; dentistry, meehanical; electroplating engraving, steel; files; fire-arms; fruits and vege. andes chand and preserved: furs, dressed; gavanizing; glass, cut, staned, nnd ormamonted; phld and siver leaf and foil; hairwork; hardwarb, saddory; hats and caps; hosiory and knit goods; miz

CITY OF PROVIDENCE.

|  | All industries.... | 1,205 | 27, 177, 600 |
| :---: | :---: | :---: | :---: |
| ! | marksmithing. |  |  |
| \% |  | 62 | 70.4 48 |
| 9 | [3, res, wooden, packing | 81 | 27, weta |
| $s$ |  | 4 | 19,3410 |

Thble LILI.-Manyfatures of 20 principal cities: 1880-PITTSBURGF-Continued.

| averagr numder of hands employed. |  |  | Total anount prid in wages during whe year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males above 16 years. | Fomales above 15 years. | Clildren and youths. |  |  |  |  |
|  |  |  | Dollars. ${ }_{4}$ | Dollars. | Dollars. |  |
|  | 9 |  | 4,550 21,942 | 581, ${ }^{2950}$ | 13,375 691,127 | $\stackrel{26}{27}$ |
| 2,693 |  | 33 | 1, 390,924 | 2, 664, 749 | 5,530, 309 | 28 |
| 329 | 12 | 11 | 164,616 | 269,848 | 543, 838 | 29 |
| 9 | 2 | 2 | 4, 604 | 5, 700 | 13,650 | 30 |
| 4,185 | 138 | 1,473 | 2, 501, 431 | 1, 997,363 | 5, 231, 971 | 31 |
| 11 |  |  | 5,050 | 19, 201 | 220, 091 | 32 |
| 14.40. | 110 |  | 203,109 $8,1072,110$ | 418,164 10.283 | - 741,794 | 33 |
| 14, 8.89 | 10 | 1,603 | $8,072,110$ $1+8,709$ | 10, 288,063 | 35, 490,634 | 34 |
| 84 |  | 13 | 52,410 | 86,419 | 104, 387 | 36 |
| 585 |  | 60 | 196, 582 | 1, 187, 025 | 1,558, 250 | 37 |
| 25 |  |  | 13, 500 | 217,010 | 282, 406 | 38 |
| 30 |  | 1 | 17, 000 | 145, 850 | 200,000 | 39 |
| 284 |  | 4 | 136, 483 | 6505,373 | 1, 150, 787 | 40 |
| 16 | 3 | 6 | 12, 400 | 33, 500 | 62,335 | 41 |
| - 281 |  | 9 | 154, 643 | 615,323 | 1, 054, 395 | 42 |
| 00 |  | 9 | 26, 940 | 2059, 400 | 383, 4.4 | 43 44 |
| 1078 |  | 0 | 36,021 53,577 | 32,096 64,430 | 86,769 156,586 | 44 45 |
| 13 |  |  | 6,389 | 3,050 | 10,980 | 46 |
| 11 |  | 1 | 6, 280 | 118, 463 | 141, 831 | 47 |
| 4 | 2 |  | 25, 113 | 241, 100 | 311, 500 | 48 |
| $1 \pm 8$ |  | 3 | 66, 438 | 72, 461 | 188,730 | 49 |
| $\varepsilon 0$ |  |  | 53, 232 | 281, 700 | 360,300 | 50 |
| 76 | 53 | 3 | 47, 983 | 322, 508 | 740,164 | 51 |
| 13 | 4 |  | 10, 809 | 3, 093 | 33, 075 | 53 |
| 106 |  | 1 | - 49,804 | 97, 817 | 107,753 | 53 |
|  | 48 | $3 t$ | 466, 041 | 468, 677 | $1,422,481$ 93 | 5 |
| 50 |  |  | 22,860 | 46,500 | 93, 912 | 50 |
| 94 | 46 | 3 | 54,832 | 98, 940 | 191, 475 | 56 |
| 49 |  | 1 | 20, 350 | 25, 000 | 63, 775 | 57 |
| 210 |  |  | 102, 080 | 14.4, 333 | 295, 288 | 58 |
| 29 |  | 4 | 30, 200 | 72,000 | $\begin{array}{r}115,500 \\ 1,452 \\ \hline\end{array}$ | ${ }_{60}^{59}$ |
| 91 |  | 19 | 41,379 | 1, 302, 167 | 1,451, 816 | 60 |
| 93 |  |  | 14,212 | 83, 825 | 121, 248 | 61 |
| 12 |  | 1 | 10,797 | 1,725 | 14, 740 | ${ }^{62}$ |
| 69 | 20 | 3 | 40, 450 | 67,744 | 137, 181 | 03 |
| 183 | 64 | 51 | 121,775 | 312, 950 | 561, 100 | ${ }^{6} 4$ |
| 211 | 15 | 19. | 83, 814 | 97, 690 | 274, 692 | 65 |
| 33 | 36 | 1 | 30, 150 | 64, 608 | 139,708 | 66 |
| 15 |  | 2 | 10, 190 | 7, 650 | 27,050 | 67 |
| 55 |  | 2 | 20,045 | 27, 412 | 83, 088 | 68 |
| 19 |  | 4 | 1;,499 | 12, 900 | 27,200 | 189 |
| 26 |  | 1 | 16, 143 | 20, 279 | 50, 048 | 70 |
| 945 | 310 | 64 | 558, 229 | 2, 549, 294 | 4, 024, 232 | 71 |

iron nails and spikes, cut and wrought; iron railing, wrought; iron work, architectural and arnamental; juwolry; kaolin and ground eartlis; lamps and reflectors; lead, bar, pipm, sheet, ant shot; ligutors; distilled; lithographinir; lock- and gun-smithing ; nalt; mantels, slate, marble, and marblaized; mineral and soda waters; pickles, preserves, and sauces; phator and britannia ware; regaha and society banJers and emblems; saws; springs, steel, car and carriage; steare fittings and heating apparatus; tubacco, chewing, smoking, and snuif; trunks aud valises; ; umbrellas and canes; upholstering mate. rials; varnish; Fashing-nachines and clothes-wringers; whips; and wooden ware.

CITY OF PROVIDENCE.

| 16,050 | 5,125 | 1,716 | 9, 464, 110 | 22,794, 227 | 49,507, 512 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 104 |  | 1 | 54,428 | 54, 123 | 176, 463 |  |
| 41 |  | 1 | 20, 835 | 28,100 | 83, 000 |  |
| 48 | 6 | 1 | 18,463 | 38,327 | 103, 298 |  |
| 60 |  |  | 14, 4.34 | -30, | 172,921 |  |

Table LIII.-Manufactures of 20 prinaipal cities: 1880-PROVIDENCE-Continued.

|  | Mechanical mad manufacturing industries. | No. of establisbments. | Capital. |
| :---: | :---: | :---: | :---: |
| 6 | Bread and other bakery products. | 19 | Dollars. <br> 115,700 |
| 7 | Brooms and brushes .............. | 6 | 12,700 |
| 8 | Carpentering -.... | 81 | 254, 750 |
| 9 | Carringes and wagous | 47 | 149,505 |
| 10 | Clothing, men's...... | 42 | 833, 877 |
| 11 | Clothing, women's.. | 7 | 21,400 |
| 12 | Coffee and spices, roasted and ground. | 5 | 42,000 |
| 13 | Cofins, burial cases, and undertakers' goods | 10 | 40, 000 |
| 14 | Confectionery .-................................ | 5 | 14, 800 |
| 15 | Cooperage | 3 | 20,732 |
| 16 | Cotton goods | 17 | 2, 453, 854 |
| 17 | Cutlery and edre tools | 4 | 25, 550 |
| 18 | Dentistry, mechanical | 20 | 20, 025 |
| 19 | Drags and chemicals | 5 | 52,500 |
| 20 | Dyeing and cleaning. | 3 | 6,000 |
| 21 | Dyeing and finishing textiles. | 7 | 2,925,000 |
| 22 | Dyestuffs and extrauts ...... | 4 | 2, 144,000 |
| 23 | Electroplating . | 10 | 65, 600 |
| 24 | Enameling.......... |  | 123,000 |
| 25 | Engraving and die-sinking. | 24 | 17,900 |
| 26 | Engraving, rood |  | 1,750 |
| 27 | Taucy articles. | 4 | 21,500 |
| 28 | Files.-...............in......... | 7 | 437,600 |
| 29 | Flouring- and grist-mili products | 4 | 217, 600 |
| 30 | Foudery and machine-shop products | 55 | 3,563, 975 |
| 31 | Furniture............ | 15 | 218, 750 |
| 32 | Gas and lamp firtures | 3 | 91, 000 |
| 33 | Gold and silver, reduced and refined | 6 | 138,000 |
| $3 \pm$ | Hairmork.. | 7 | 21,050 |
| 35 | Haydwaro. | 5 | 109,300 |
| 36 | Irory and bone trork | 4 | 36,000 |
| 37 | Jewelry... . | 142 | 2, 755, 070 |
| 39 | Lemther goods |  | 22,000 45,600 |
| 40 | Liquors, malt. | 3 <br> 3 | 100,000 |
| 41 | Lock- and gun-smithing |  |  |
| 42 | Looking-glass and picture frumes | 7 | 30,200 |
| 43 | Lumber, planed........ | 6 | 84, 000 |
| $4 \pm$ | Marble and stome work. |  | 320, 800 |
| 45 | Masonrs, brick and stone | 29 | 60,300 |
| 4 | Mattresses and spring beds. |  | 29,700 |
| 47 | Mineral and soda waters. | 3 | 20,500 |
| 48 | Models and patterns - .... |  | 5,000 |
| 49 | Painting and paperbauging | 65 | 69,365 |
| 50 | Patent medicines azd compornds | 22 | 373,500 |
| 51 | Photographing |  | 40,750 |
| 52 | Plumbing and gasfitting | 21 | 39,550 |
| 53 | Printing and publisining -.-....... | 17 | 222,050 |
| 5 | Pumps, not including steam pumps | 2 | 11, 000 |
| 55 | Saddery and harness.. | 26 | 45,700 |
| 56 | Shipbailuing. | 8 | 152,500 |
| 57 | Sloddy ...............................-.....---7..... | 3 | 33,000 |
| 58 | Slanghtering aud meat-pucking, notincludingretail butcl ishments. | 6 | 273,000 |
| 59 | Soap and candles ..... |  |  |
| 60 | Stationery goods. | 4 | 24,300 |
|  | Stencils and brands. | 3 | 9,000 |
| 62 | Straw goods. | 3 | 2, 300 |
| 63 | Tinware, copperwaro, and sheet-iron ware. | 40 | 121, 500 |
| 64 | Tobacco, cigars aud cigarettes . | 32 | 24, 350 |
| 65 | Trunks and ralises .. | 3 | 21,200 |
| 68 | Umbrellas and canes..... | 3 | 1,700 |
| ${ }_{68}^{67}$ | Wood, turaeil and carred. | 4 | 12,500 |
| 68 | Wooler goods | 5 | 1, 9:0,700 |
| 69 | Wurited gotds .... | 4 | 1,250,000 |
| 70 | Miscellincons industries (a) | 68 | 6,506, 388 |

a The 68 establishments classed as "miscellaneons indastries" are gronped in order that the busipess of indiridhat establishments may not be disclosed to the public. In this group are embraced: agriculturalimplements; belting and hose, leather; boots and shoes, rubber; boxes, cigar; boxes, faney and paper; brides: buttons; obllars and cuffs, paper; corsets; cotton-ties; drain and sewer pine; tirearma; fuudery supples; farmiture, chairs; furs, dressed; glass, ent, stained, and oruamented; hand. stamps; hats and caps; hooks and ejes; iron and steel; iron forgings; iron pipo, wrought; leud, bar

Table LIII-Manufactures of 20 principal cities: 1880-PROVIDENCE-Continued.

pipe, shent, and shot; leather, dressed skins; lime; lithographing; musical instruments, organs, and materiais; oil, cottonseed and cake; paints; paving naterials; piekles, preserves and sauces; plated and britannia ware; rubber and clastic goods; safes, doors, and vants, fire-proof; sash, loors, and blinds; saws; scews; sewing maelines and attachnents; shirts; silk and silk goods; silrerware; sporting goods; starch; stone-and earthen-ware; taxidermy; toys and games; uphoistering; watch cases; window blinds and shades; wire; and wirework.

Table LIII.—Wanufactures of 20 principal cities: 1880—Continued.
CITY OF SAINT LOUIS.

|  | Mechanical and manufacturing industrics. | No. of establish. ments. | Capital. |
| :---: | :---: | :---: | :---: |
|  | All industries | 2,924 | Dollars. <br> 50, 832, 885 |
| 1 | Agricultural implernents | 7 | 434,000 |
| 2 | Artiticinl feathers aud flowers | 3 | 36,000 |
| 3 | Amriugs and tonts.. | 9 | 127, 200 |
| 4 | Jagging, flax, hemp, and jute | 3 | 370, 000 |
| 5 | Bags, paper................... | 4 | 88,250 |
| 6 | Baking and yeast powders | 8 | 111,700 |
| 7 | Baskets, rattan and willow ware | 7 | 9, 015 |
| -8 | Mlacksmithing .-. | 168 | 224, 745 |
| ${ }_{1}^{9}$ | Bookbinding and blank-book making | 10 | 132, 500 |
| 10 | Boot and shoe uppers ............. | 3 | 12,000 |
| 11 | Poots and shoes, including custom work and repairing. | 184 | 679,630 |
| 12 | Toxes, cigar - .-.... | 6 | 57, 550 |
| 13 | Boxes, fancy and paper | 6 | 21, 500 |
| 14 | lboves, wooden, packing | 11 | 4 41,600 |
| 15 | Brass castings ........ | 14 | 186, 100 |
| 16 | Bread and other bakery products | 105 | 719,070 |
| 17 | Brick and tile | 45 | 727, 350 |
| 18 | Brooms and brusues | 25 | 95, 175 |
| 19 | Carpentering | 185 | 361, 810 |
| 20 | Carpets, rag .... | 3 | 350 |
| 21 | Cavriage and wagon matorials | 3 | 126,000 |
| $2 \pm$ | Carriares and wigous.- | 39. | 740, 050 |
| 23 | Cars, milroad, street, and ropairs | 7 | ${ }^{314,} 200$ |
| 94 | Clothing, men's................ | 100 | 1,351,335 |
| 25 | Clothing, women's | 13 | 140, 800 |
| 26 | Coffee and spicos, roasted ant ground. | 6 | 230, 000 |
| 27 | Cohins, burial cases, and undertakers' goods | 5 | 30, 500 |
| 28 | Confectionery. | 31 | 307, 303 |
| 29 | Cooperare ... | 78 | 403, 293 |
| 30 | Coppersmithing- | 3 | 3,500 |
| 31 | Cordage and twine. | 14 | 12, 875 |
| 32 | Corsets |  | 720 |
| 33 | Cotton goods.... | 3 | 825, 500 |
| 34 | Cuthery and edue tools | 4 | 4,000 |
| 20 | Dentistry, mechanical | 8 | 6,700 |
| 36 | Druge and chemicals | 15 | 696, 000 |
| 37 | Dreing and eleanior. | 5 | 16, 450 |
| 30 | Dyeing and linishing textilos | 3 | 16, 000 |
| 39 | Pfectroplating | 8 | 17, 600 |
| 40 | Engraving aud die-sinking | 7 | 9,675 |
| 41 | Engraring, stoel. | 10 | 72, 100 |
| 42 | Engraving, wood | 3 | 12, 900 |
| 43 | Files....... | 6 | 38, 900 |
| 44 | Flouring- and grist-mill prodacts | 24 | 2, 067.5001 |
| 45 | Food preparations | 4 | 17, 100 |
| 45 | Foundery and macline-shop products. | 62 | 3, 605, 713 |
| 47 | Fruts aud vegetables, canned and preserred | 3 | 31, 500 |
| 48 | Fumiture.. | 54 | 920.702 |
| 49 | Glass. | 5 | 280, 000 |
| 50 | Glass, cut, stained, and ornamented | 3 | 11,000 |
| 51 | Gloves and mittens | 3 | 13. 000 |
| 53 | Ghue............. | 5 | 3.4,3.30 |
| 53 | -Grease rad tallow. | 6 | 43, 350 |
| 54 | Hairwork. | 8 | 17. 604 |
| 55 | Liardware. | 10 | 210, 150 |
| 56 | Frats and caps, not inclucling wool hats.. | 9 | 60,400 9 |
| 57 | Ink .....................-- | 3 | 9, 960 |
| 58 | Instruments, profossional and scientific | $10^{\frac{1}{4}}$ | 5,900,000 |
| ${ }_{60} 6$ | Mron bolts, nuts, washers, aul rivets | 10 | 235, 00 |

Tanle LIIf.-Hfanufactures of et principal cithes: 1880-Continuet.
CITY OF SAINT LOUIS.


Taple LIII.-Manafaetures of 20 principal cities : 1880-SAINT LOUIS-Continaed.

|  | Mechanical and manufacturing industries. | $\begin{gathered} \text { No. of } \\ \text { establish } \\ \text { maents. } \end{gathered}$ | Capital. |
| :---: | :---: | :---: | :---: |
|  | Iron railiner, wroucht. |  | Dollars. ${ }^{23}$ |
| 62 | Iron work, irchitectural and ornamental. | 4 | 34,000 |
| 63 | Jewelry. . ................................... | 8 | 52,000 |
| 64 | Tabels and tags | 3 | 10,300 |
| 65 | Lamps and retlectors. | 7 | 291, 600 |
| 66 | Leather, curried | 7 | 59,250 |
| 67 | Leather, tanned. | 17 | 123,450 |
| 68 | Lightning rods. | 3 | 54, 000 |
| 69 |  | 4 | 64,500 |
| 70 | Liquors, malt | 23 | 4,184, 600 |
| 71 | Liquors, vinous | 3 | 380,000 |
| 78 | Lithographing -...-.....- |  | 71, 500 |
| 73 | Lock-and gun-smithing | 17 | 5, 325 |
| 74 | Looking-glass and picture frames | 19 | 323, 900 |
| 75 | Lumber, planed. .................. | 9 | 272, 350 |
| 76 | Lumber, sawed. | 3 | 620,000 |
| 77 | Marble and stone work | 56 | 237, 825 |
| 78 | Mattresses and spring lods | 8 | 21, 750 |
| 79 | Masonry, brick and stone | 68 | 82, 375 |
| 80 | Mineral and soda waters | 11 | 112, 100 |
| 81 | Models and patterns. |  | 11,700 |
| 82 | Musical instruments and materials (not specifed) | 8 | 60,000 |
| 83 | Musical instruments, organs, and materials....... | 3 | 10, 600 |
| 84 | Musical instruments, pinnos, and materials | 7 | 21, 350 |
| 85 | Oil, lard. | 3 | 96,000 |
| 80 | Paints .-..-............. | 13 | 1, 688, 350 |
| 87 | Painting and paperhanging ................................................. | 119 | 369,945 |
| 88 | patent medicines and componuds. | 24 | 1, 388, 200 |
| 89 | Photographing...-...- | 25 | 86, 050 |
| 90 | Picklea, preserves, and samees | 3 | 48,200 |
| 91 | Plumbing and gasfitting | 61. | 115,775 |
| 93 | Printing aul publishing | 101 | 2, 480, 060 |
| 83 | Pumps. | 9 | 529, 850 |
| 84 | Refrigerators ........... | 3 | 28,700 |
| 95 | Roofing and roofing materials | 5 | 58,700 |
| 06 | Saddlery and harness. | 92 | 1, 370,350 |
| 97 | Sash, doors, and blinds | 12 | 586,195 |
| 98 98 | -Shipbuilding......... | 17 | 243,000 122,100 |
| 99 100 101 | Shirts.......... | 17 4 | 122,100 23,000 |
| 101 | Slaughtering and meat-packing, notincluding retail butchering establishments. | 32 | 1,243,000 |
| 102 | Sonp and candles .............-........................................... | 15 | 718,927 |
| 103 | Stencils and brands.... | 6 5 | 4,750 34,500 |
| 104 | Stone-and earthen-ware | 5 | 34,500 |
| 105 | Tinware, copperware, and sheet-iron ware | 120 | 418,325 |
| 106 | Tobacco, chewing, smoking, and smuff. | 21 | 1, 146, 200 |
| 107 | Tobacco, cigars, and cigarettes..... | 201 | 272, 925 |
| 108 | Trunks and valises ............. | 14 | 105,500 |
| 109 | Trabrellas and canes. | 4 | 1,400 |
| 110 | Upholistering ........ | 18 | 209, 025 |
| 111 | Varnish | 3 | 26,500 |
| 112 | Vinegar. | 14 | 249,650 |
| 113 | Watch and clack repairing | 17 | 36, 250 |
| 114 | Wheelwrightiag -........ | 52 | 51,950 |
| 115 | Whips...... | 4 | 1,260 |
| 116 | Wirowork | 8 | 153,700 |
| 117 | Wood, turned and carved. | 18 | 28,725 |
| 118 | Miscellaneous industries (a) | 85 | 6, 300,388 |

(a) The 85 establishments ciassed as "miscellaneous industries" are grouped in order that the bnsiness of indivilual establishmerts may not be disclosed to the public. In this group are embraced : artificial limbs; babbitt metal and solder; bags, other than paper; belting and hose, leather; billiard tables and materials; huing; bone-, ivory-, and lamp-black; bridges; carriages and sleds, children's; cordials and sirups; cork cutting; dentists materials; explosires and fireworks; fortilizers; fiavoring extracts; furniture, chairs; furs, dressed; soll and silver, reduced and refined; hosiery and knit goods; iron forgings; ice, artificinl; jowehry and instrament cases; lard, refined; lead, bar, pipe, sheet, and shot; ligiors, distilled; malt; mantels, slate, marlle, and marbleized; oil, neat's-foot; oil, castor; oul, cotton-

Table LIII.-Manufactures of 20 principal cities: 1880-SAINT LOUIS-Continned.

serd and cake; oill lubricating; paring materials; perfumery and cosmetics; photographic apparatus; plated and britannia ware; regalia and society banners and emblems; safes, doors, and vanits, fireproof; saws; silk and sills goods; silversmithing; sporting goods; stamped rare; stationory goods; steam fittings and heating apparatus; stercotyping and electrotyping; sugar nnd molasses, refined; surgical appliances; tar and turpentino: tolograph and tolephono apparatis; terra-ectia ware; toys and games; type founding; upholstring materials: washing-machines and clothes-wringers; wates cases; Findow blinds and shades; wire; ant wooden ware.

Talle LIII.-Manufactures of 20 principal cities: 1880-Coutinued.
city of san franclsco.

|  | Mechanical and manufacturing industries. | No. of establishments. | Capital. |
| :---: | :---: | :---: | :---: |
|  | All industrics. | 2,971 | Dollars. <br> 35, 308, 139 |
| 1 | Artificial feathers and flowers | 4 | 2,550 |
| 2 | Awnings and tents | 4 | 26, 100 |
| 3 | Bags, other than paper | 3 | 275,000 |
| 4 | Baking and yoast powders .... | 4 | 4S, 000 |
| 5 | Baskets, rattan and willow ware. | 8 | 8,575 |
| 6 | Belting and hose, leather | 4 | 85,000 |
| 7 | Billiard tables and materials. | 5 | 102, 0 (1) |
| 8 | Blacking.... | 3 | 3, 300 |
| 9 | Blacksmithing | 106 | 59, 973 |
| 10 | Bookbinding and blank-book making | 13 | 108.300 |
| 11 | Boot and shoe findings.. | 4 | 10,700 |
| 12 | Boot and shoe uppers. ................ | 5 | 6,700 |
| 13 | Boots and shoes, inoluding custom work and repairing | 310 | 1, 090,722 |
| 14 | Doxes, cigar .-. | 6 | 180, 635 |
| 15 | Boxes, fancy and paper | 4 | 24, 500 |
| 10 | Boxes, wooden, packing | 7 | 154,750 |
| 17 | Brass castings ....-. | 8 | 142, 200 |
| 18 | Bread and other bakory products | 113 | 428,800 |
| 19 | Brick and tilo. | 3 | 8, 800 |
| 20 | Bridges............. | 8 | 09,000 |
| 21 | Drooms and brushes | 15 | 70,800 |
| 22 | Carpentering ...... | 181 | 481,690 |
| 23 | Carriages and whsons | 52 | 338, 071 |
| 24 | Clothing, man's. | 110 | 1,126,16t |
| 25 | Clothing, women's. | 27 | 424, 250 |
| 20 | Coffee and spices, roasted and gronnd, | 20 | 445, 450 |
| 27 | Coffins, burial cases, and undertakers' goods. | 13 | 72,150 |
| 28 | Caufectionory. | 29 | 160, 150 |
| 29 | Cooperage | 28 | 494, 350 |
| 30 | Cordage and twine | 3 | 600,700 |
| 31 | Cordials and sirups | 9 | 72, 200 |
| 32 | Corsets | 4 | 4,300 |
| 33 | Catlery and edge tools | 11 | 104, 500 |
| 34 | Dentistry, mechanical | 28 | 10,480 |
| 35 | Drugs and chemicals. | 27 | 357, 925 |
| 36 | Dreing and cleaning | 9 | 27, 223 |
| 37 | Electroplating ..... | 10 | 21, 500 |
| 38 | Engraving and die-sinlsing | 13 | 4, 320 |
| 39 | Engraving, wood. | 8 | 995 |
| 40 | Fertilizers. | 3 | 145, 000 |
| 41 | Flags and banners. | 3 | 16, 000 |
| 42 | Ylaroring extracts...- | 6 | 17,500 |
| 43 | Flouring-and grist-mill products | 9 | 035, 600 |
| 44 | Fool preparations ... | \% | \% 53,400 |
| 45 | Foundery and machine-shop products | 58 | 2,301,730 |
| 46 | Fruits and vegetables, canned and preserved | 6 | 926,000 |
| 47 | Frurnishing goods, men's........ | 12 | 362, 350 |
| 48 | Frumitare.................. | 41 | 918, 175 |
| 49 | Furniture, chairs | 3 6 | 102, 250 |
| 50 | Furs, dressed......... | 6 | 102, 250 |
| 51 | Glass, cot, staized, and ornamentod. | 5 | 77, 450 |
| 52 | Gloves and mittens ..................... | 6 | 74,500 |
| 53 | Glue. | 3 | 21, 200 |
| 54 | Hairwork. | 11 | 14, 0001 |
| 55 | Hand-stamps......... | 5 | 13,000 |
| 56 | Hats and caps, not including wool hats | 10 | 35, 9095 |
| 57 | High explosives........................ | ${ }_{3}^{0}$ | 61, 100 |
| 59 | Instraments, professionat and seic | 8 | 18, 150 |
|  | Iron forgings .. | 4 | 42, wev |

Table LIII.-Manufactures of 20 principal cities: 1880-Continuec.
CITY OF SAN FRANCISCO.

| ayerage number of mands employed. |  |  | Total amount paid in wages during the year. | Materials. | Products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\text { Maies above } 16$ years. | Females above 25 years. | Children and youths. |  |  |  |  |
| 23, 662 | 3,588 | 1,102 | Dollars. $14,928,534$ | Dollars. <br> 47, 978, 072 | Dollars. $77,824,299$ |  |
| 2 | 1 |  | 902 | 2,700 | 5,850 |  |
| 5 | 7 | 3 | 6, 675 | 15, ${ }^{2} 850$ | 29,602 | ${ }_{2}$ |
| 55 | 50 | 14 | 51, 300 | 1,410,000 | 1, 565, 000 | 3 |
| 24 | 3 |  | 16,575 | 97,480 | 142,345 | 4 |
| 20 | 5 | 3 | 6,560 | 4,165 | 19,400 | 5 |
| 31 |  |  | 18,565 | 73, 100 | 117,780 | 6 |
| 39 |  |  | 24, 632 | 45,618 | 88, 360 | 7 |
| 3 |  |  | 1,809 | 2, 250 | 7, 400 | 8 |
| 105 |  | 7 | 104, 0.53 | 102, 4.10 | 36+, 886 | 9 |
| 118 | 55 | 32 | 110,760 | 172, 390 | 382, 440 | 10 |
| 11 | 1 | - | 8,080 | 30, 800 | 44,750 | 11 |
| 9 | 1 | $\cdots$ | 5,536 | 15, 030 | 31,980 | 12 |
| 2,464 | 184 | 96 | 1,199,730 | 2,187, 811 | 4, 141, 547 | 13 |
| 140 | 35 | 10 | 72,940 | 75, 165 | 206, 200 | 14 |
| 18 | 42 | 0 | 20,165 | 20,450 | 50,550 | 15 |
| 23 ? | 30 | 30 | 108,400 | 216,300 | 460,560 | 10 |
| 184 | 2 | 6 | 117, 940 | 232,570 | 374,350 | 17 |
| 431 | 14 | 45 | 315.082 | 1, 403,001 | 2, 070,884 | 18 |
| 79 |  |  | 22,050 | 12,025 | 46,700 | 19 |
| 344 |  |  | 172,970 | 374,000 | 694, 000 | 20 |
| 96 |  | 3 | 37,049 | 69, 000 | 132, 200 | 21 |
| 1,190 | 1 | 1 | 907,331 | 1, 000,833 | 3, 121, 851 | 22 |
| , 373 |  | 1 | 230, 849 | 284, 814 | 714, 098 | 23 |
| 1, 087 | 610 632 | 18 7 | 905,559 220,688 | 2, $20.4,148$ | $3,789,963$ $1,150,207$ | ${ }_{2}^{24}$ |
| 51 | 632 | 7 | 220,688 | 650, 152 | 1, 150, 207 | 25 |
| 160 | 6 | 10 | 99, 102 | 1, 057, 898 | 1, 336,718 | 20 |
| 46 |  |  | 33, 763 | 1, 54,423 | 142, 060 | 27 |
| 88 | 29 | 14 | 54, 62 | 315, 820 | 507,026 | 28 |
| 254 |  | -5 | 181, ${ }_{57}$ | 304,020 402,115 | -605,704 | 30 |
| 44 |  |  | 28, 610 | 134,590 | 208,000 | 31 |
|  | 9 | 1 | 3,000 | 3,550 | 12.200 | 3 |
| 54 |  | 1 | 39, 623 | 37,150 | 119,3139 | 33 |
| 15 118 | 2 | 3 | 7,320 76,809 | 9,010 273,801 | 571, 601 | 35 |
| 21 | 9 | 1 | 16,331 | 14,269 | 40,460 | 30 |
| 11 | 3 | 1 | 6,542 | 13, 523 | 34,375 | 37 |
|  |  |  | 3,288 | 2,430 | 90, 340 | 38 |
| ${ }_{3}^{2}$ |  |  |  | 3, 340 66600 | 17,100 106,160 | 39 40 |
| 35 |  |  | 21,588 | 66, 600 | 106, 200 | 40 |
| 5 | 11 | 2 | 7,000 | 13,200 | 25,600 | 41 |
| 1:3 | 6 | 1 | -7,164 | 36,100 | 54,500 | 49 |
| 142 |  |  | 103, 982 | 1,991, 609 | 2, 275, 360 | 43 |
| +858 | 1 | 43 | 1, 242,348 |  | 3, 164,025 | 44 45 |
| 1,888 |  | 33 | 1, 243, 234 | 2, 017, 267 | 3,889,503 | 45 |
| 256 | 340 | 80 | 207, 000 | 603,000 | 978,000 | 46 |
| 121 | 189 |  | 126, 205 | 509,540 | 744, 24.5 | 47 |
| 550 | 20 | 12 | 352, 583 | 683, 895 | 1, 280, 210 | 48 |
| 10 |  | .......... | 5,820 31420 | 3,750 158,600 | 13,300 224,400 | $\stackrel{49}{50}$ |
| 17 | 101 | ................ | 31,423 | 158,600 | 224,400 | 50 |
| 36 |  |  | 22,100 | 66,900 | 103,000 | 51 |
| 49 | 137 |  | 49, 710 | 101, 805 | 191, 520 | 5 |
| 23 |  | 2 | 11, 800 | 21,940 | 40, 800 | 53 |
| 10 | 19 |  | 12, 1687 | 16,000 13,532 | 46,281 | 54 55 |
| 20 | 39 |  | 29, 032 | 38,717 | 83,678 | 56 |
| 172 |  |  | 76,780 | 680,416 | 1, 566, 868 | 57 |
| 15 |  |  | 9,450 | 59, 0009 | 97, 500 | 58 |
|  |  | 1 | 27,702 | 17.088 | 91, 110 | ${ }_{60}$ |

Table LIII.-Manufactures of 20 principal cities: 1880-SAN FRANCISCO-Continued.

|  | Mechanical and manufactaring industries. | No. of establish ments. | Capital. |
| :---: | :---: | :---: | :---: |
|  |  |  | Dollars. |
| 62 | Lewidary work | 17 | 283, 4.425 |
| 63 | Leathar, curried | 41 | 225,700 |
| 64 | Leather, tanned | 47 | 1, 101, 800 |
| 65 | Liquors, distilled | 5 | 109,000 |
| 66 | Liquors, malt. | 38 | 1, 666, 520 |
| 67 | Liquors, vinous | 6 | 120,000 |
| 68 | Lithographing. | 7 | 122, 000 |
| 69 | Lock- and gan-smithing | 30 | 24,750 |
| 70 | Looking-glass and pioture frames. | 21 | 229,600 |
| 71 | Marble and stone work. | 32 | 229,150 |
| 72 | Masonry, brick and stone | 24 | 75,650 |
| 73 | Matches .. |  | 30, 600 |
| 74 | Mattresses and spring bods | 8 | 123,200 |
| 75 | Millinery and lace goods. | 19 | 137,600 |
| 76 | Mineral and soda waters. | 8 | 40,300 |
| 77 | Models and patterns .................................. | 4 | 8,900 |
| 78 | Musical instruments and materials (not specifed) | 4 | -2,500 |
| 79 80 | $\frac{\text { Musical instruments, pianos, and materials }}{\text { Paints .-................................. }}$ | 5 3 | 49,500 318,000 |
| 81 | Painting and paperhanging | 117 | 87,485 |
| 82 | Patent medicines and compounds | 15 | 52,800 |
| 83 | Perfamery and cosmetics | 3 | 13,000 |
| 84 | Photographing.. | 33 | 127,950 |
| 85 | Pickles, preserves, and sances | 3 | 5,000 |
| 86 | Plambing and gasfitting | 94 | 175, 050 |
| 87 | Printing and publishing | 152 | 1,744,755 |
| 88 | Roofing and roofing materials. | 16 | 69, 450 |
| 89 | Saddlery and harness .............. | 58 | 285, 650 |
| 90 | Safes, doors, and vaults, fire-proof | 3 | 36,500 |
| 91 | Sash, doors, and blinds | 16 | 555,000 |
| 92 | Saws.. | 6 | 87, 185 |
| 93 | Shipbuilding. | 56 | 1,681, 523 |
| 84 | Shirts...- | 25 | 88, 100 |
| 95 | Show-cases. | 6 | 4,320 |
| 96 | Silk and silk goods. | 4 | 159,300 |
| 97 | Silverware |  | 116,000 |
| 98 | Slanghtering and meat-packing, not including retail batchering establishments. | 24 | 1,586,200 |
| 99 | Soap and candles ..................... ...................................... | 19 | 458, 650 |
| 100 | Stencils and brands. | 5 | 6,125 |
| 101 | Straw goods | 8 | 33,500 |
| 102 | Surgical appliances . . . . . . . . . | 5 | 4,925 |
| 103 | Tinware, copperware, and sheet-iron ware | 69 | 428,975 |
| 104 | Tobacco, cigars, and cigarettes ...... | 147 | 1, 687, 603 |
| 105 | Tools ...... | 4 | 13, 100 |
| 106 | Trunks and valises | 7 | 106, 631 |
| 107 | Umbrellas and canes.. | 4 | 20,850 |
| 108 | Upholstering ....... | 50 | 164, 350 |
| 109 | Upholstering materials | 4 | 47,250 |
| 110 | Watch and clock repairing. ......... | 98 | 91, 235 |
| 111 | Wheelwrighting. | 20 | 20,875 |
| 112 | Windmills. | 4 | 11, 500 |
| 113 | Window blinds and shades. | 10 | 92, 100 |
| 114 | Wireworix | 6 | 273, 308 |
| 115 | Wood, torned and carved | 16 | 15, 125 |
| 116 | Miscellaneous indinstries (a).. | 88 | 5,682, 100 |

$\boldsymbol{a}$ The 88 establishments classed as "miscellaneons industries" are groupedin order that the business of individual establishments may not be disclosed to the public. In this group are embraced: agricultaral implements; axle-grease; babbittmetal and solder; bags, paper; bells; boots and shoe cut stook; calcium lights; cement; drain and sewer pipe; electric lights; olectrical apparatus; explosives and fireworks; fancy articles; files; foundery supplies; gaivanizing; glass; gold and silver, rednced and refined; grease and tallow; housefurnishing goods; iron and steel; iron bolts, nuts, washers, and rivets; iron pipe, wrought; iron railing wrought; ivory and bone work; jewelry and instrument cases; kindling wood; lamps and reflectors; lasts ; lead, bar, pipe, sheet, and shot; leather, dressed skins;

Tibla LIII.-Manufactures of 20 principal cities: 1880-SAN FRANCISCO-Continued.

lnmber, planed; malt; mantels, slate, marble, and marbleized; millstones; mirrors; mixed textiles; musical instruments, organs, and materials; onl, essential; oil, linseed; photographic apparatus; pipes, tobaceo; pumps; regalia and society banners and emblems; rubber and elastic goods; salt, ground; spectacles and eyeglasses; springs, steel, car and carriage; stamped ware; stationery goods; steam fittings and heating apparatus; stereotsping and electrotyping; stone-and earthen-waro; surar and molasees, refined; taxidermy; tobacco, cbewing, smoking, and snuff; toys and games; type founding: Farnish; vinegar; wlips; wooden ware; woolen goods; and zinc.

## Table LITI.-Manufaotures of 20 principal oilies: 1880-Continned.

CITY OF WASHINGTON.

|  | Mechanical and manufacturing industries. | No. of establish ments. | Capital. |
| :---: | :---: | :---: | :---: |
|  | All industries. | 971 | Dollars. $5,552,526$ |
|  | A wnings and tents | 3 | 2,050 |
|  | Blacksmithing... | 77 | 31, 165 |
| 3 | Bookbinding nad blank-book noking .-.3.-............ | 4 | 4, 200 |
| $\stackrel{4}{5}$ | brots and shoes, inclading custom worl and repairing | 73 3 | 132, 0238 |
| 6 | Bread and other bakery products. | 63 | 120,340 |
| 7 | Brick and tile.. | 16 | 330, 600 |
| 8 | Carpentering. | 58 | 48, 143 |
| 19 | Carriages and wagous | 25 | 173,792 |
| 10 | Clothing, men's...... | 35 | 101, 550 |
| 11 | Coffee and spices, roasted and ground | 3 | 17,600 |
| 12 | Cotins, burial cases, and undertakers' gooda. | 14 | 61, 425 |
| 13 | Confectionery. | 27 | 85,575 |
| 19 | Cooperage... | 3 | 6,700 |
| 15 | Dentistry, mechanical | 6 | 4,975 |
| 16 | Drugs and chemicals- | 5 | 54, 000 |
| 17 | Engraving and dio-sinlking. | 3 | 3,800 |
| 18 | Fertilizers ............-......... | 3 | 95, 000 |
| 120 | Flouring and grist-mill prodncts...- | 9 | 230,400 |
| 21 | Furnitare. |  |  |
| 22 | Groasc and tallow | 3 | 25, 000 |
| 23 | Trairwork. | 12 | 6, 600 |
| $2 \pm$ | Tnstruments, professional and scientific | 5 | 36, 100 |
| 25 | Iron railings, wroughti.................... | 5 | 3,275 |
| 26 | Jewelry ..... | 11 | 19,600 |
| 27 | Trinding wood. | 6 | 18,465 |
| 28 | Lime ...... | 5 | 19,100 |
| 39 | Liquors, malt. | 10 | 208, 300 |
| 30 | Lithographing .. | 5 | 33, 200 |
| 11 | Lock- and gan-smithing.. | 6 | 11,700 |
| 22 | Iooking glass and picture frames | 10 | 15, 000 |
| 3) | Lumber, planed.- | 10 | 96, 260 |
| 24 | Marble and stone work. | 25 | 113, 745 |
| 25 | Masomry, brick and atone | 31 | 10,500 |
| 36 | Mattresses and spring beds | 3 | 8,250 |
| 37 | Mincral and soda waters... | 3 | 19,200 |
| 8 | Models and pattorns...-. | 7 | 7,200 |
| 19 | Painting and paperhanging. | 37 | 16,600 |
| 40 | Patent medicines and compounds | 5 | 5,600 |
| 1 | Paving materials | 5 | 50, 000 |
| 2 | Plotographing ...--. | 16 | 34, 750 |
|  | Plumbing and gasfitting | 31 | 47, 750 |
| $\frac{1}{1}$ | Printing and r,ablishing | 28 | 971, 800 |
| 5 | Sadducry and harnoss. | 20 | 30,400 |
| 40 | Soap and candles.. | 5 | 60,906 |
| 7 | Tinware, copperwave, anil sheet-ircmin wate | 42 | 68,965 |
| 9 | Nobacco, cigars, and cigarettes | 43 | 25, 950 |
| 0 | Uphoistering - . . . . | 5 10 | 1,150 |
| 1 | Watch and clock repairing | 32 | 17,460 |
| 2 | Wheelintightiag .......... | 10 | 6,505 |
| 3 | Miscellaneous inciustries (a) | 60 | 1,702,785 |

aThe 60 estahlishments chassed as "cmiscellaneons indnstries" aro groped in order that the bnsiness of individnal establishments nay not be disulosed to theppublic. In this group are embraced: artiticial limbs; bass, paper; baskets, ration and! willow ware; bining; boxes, oigar; boxes, fancy and paper; brooms aud brushes; carpets, rag; cars, railrond, sthert, and repairs; cheese and butter; clothing;



Table LIII.-Manufaotures of 20 principal cities: 1880-Continued.
CITY OF WASHINGTON.


[^0]Table LIV．－Manufactures：Special statistics
1．－AGRICULTURAL IMPLEMENTS．

|  |  |  | E | AVELAGE NUMBER Of hands EM－ ployed． |  |  |  | materials． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States and Territories． |  |  |  | －sseas aresoquepremox |  |  |  |  |
|  | The United States．． | $\begin{gathered} \text { No. } \\ 1,943 \end{gathered}$ | Dollars． <br> 62，109， 668 | 38，313 | 73 | 1，194 | Dollars． $15,359,610$ | Dollars． <br> 5，660，516 | Dollars． <br> 18，083， 502 |
| 1 | Alabama | 20 | 13，075 | 35 |  | 1 | 7，510 | 1，750 | 5，118 |
| 2 | Arkansas． | 11 | 9，985 | 24, |  |  | 5，541， | 1，690 | －4， 155 |
| 3 | California | 21 | 359， 500. |  |  | 9 | 149， 095 | 137， 325 | 126，550 |
| 4 | Connecticut | 21 | 832， 500 ； | 552 |  | 11. | 218， 514 ！ | 100，041 | 163，466 |
| 5 | Delatrare． | 12 | 67,400 | 68 |  |  | 20． 524 | 7，036 | 8，230 |
| 6 | Georgia． | 20 | 200， 124 | 230 |  | 44. | 77， 585 | 40，320 | 218，693 |
| 7 | Ilinois | 220 | 11，306，935． | 6，989 | 27 | 284 | 3，180，999 | 1，332， 201 | 3，490， 414 |
| 8 | Indiana | 96 | 3，231， 818 | 2， 357 | 1 | 113. | 1，010， 644 | 340， 855 | 1，294， 773 |
| 9 | Iowa．．． | 58 | 1，185， 830 | 785 | 1 | 23. | 243， 635 | 130，663 | 338， 605 |
| 10 | Kansas． | 14 | 72，450 | 102 |  | 1 | 27， 962 | 6，737 | 14， 511 |
| 11 | Kentucky | 86 | 2，296， 037 | 999 | 10 | 24. | 304， 385 | 91， 922 | 474， 055 |
| 12 | Louisiana． | 1 | 3，000 | 5. |  |  | 600. | 100 | 500 |
| 13 | Maine | $\stackrel{8}{8}$ | 728，300； | 440 | 1 | 7 | 174， 075 | 19，730 | 232， 105 |
| 14 | Marcland | 36 | 395， 400 | 338 |  | 18. | 117， 791 | 56． 495 | 140，150 |
| 15 | Massachusetts | 29 | 910， 000 | 956 | I | 18 | 305， 890 | 133，850 | 449，078 |
| 16 | Michigan | 14.3 | 2．488， 287 | 1，958 |  | 43. | 650， 122 | 252，336 | 584， 101 |
| 17 | Minnesota | 32 | 2，315， 222 | 1， 196 |  |  | 507，085． | 256，762 | 451， 101 |
| 18 | Mississippi | 12 | 31， 900 | 61. |  |  | 16，425： | 6， 2 （13） | 21，367 |
| 19 | Missouni． | 74 | 645， 772 | 713 |  | 13 | 276， 530 | 311，23：5 | 250， 268 |
| 20 | Nebraska | 13 | 37， 550 | 54. |  |  | 15，050 | 9，580 | 18，950 |
| 21 | New Hampshire | 17 | 196， 700 | 178. |  |  | 75，068 | 10，186 | 60，194 |
| 22 | Now Jersey ．．．．．．．．．．．．．． | 40 | 208，300 | 204 |  | 2 | 61， 772 | 20，925 | 50， 300 |
| 23 | New York | 265 | 9，580， 009. | 6，335 | － | 127 | 2，513， 875 | 757， 041 | 2，775，500 |
| 24 | North Carotina | 34 | 132， 800 | 199. |  | 3 | 48， 550 | 11，420 | 37，078 |
| 25 | Ohio． | 150 | 10，111，576， | 7，281． | 13 | 242 | 2．981， 065 | 718，003 | 4，680， 585 |
| 26 | Oregon | 4 | 35，000： | 17. |  | 1 | 9，100 | 2，200 | 3，623 |
| 27 | Pennsylvania | 29 | 3，452， 923 | 2，540． |  | 77 | 808， 608 | 433,881 | 1，024， 453 |
| 28 | Rhode Island | 4 | 18，500 | 16. |  |  | 5，219 | I， 875 | 3，725 |
| 29 | Suath Carolina | 7 | 18， 150 | 33 | 10 | 45 | 7，050 | I， 650 | 2，300 |
| 30 | Tennessee． | 33 | 161，030： | 172 |  | 5 | 43，277 | 13，750 | 34，300 |
| 31 | Texas． | 13 | 33,800 | 133. |  | 0. | 46，750 | 10，300 | 25，900 |
| 32 | Utah | 1 | 5,000 | 16 ： |  |  | 11，232 | 400 | 2，687 |
| 33 | Vermont． | 35 | 640，900 | 462 |  |  | 165， 894 | 96，038 | 153，449 |
| 34 | Virminia | 51 | 586，030 | 519. |  | 11. | 162， 634 | 51，970 | 158， 047 |
| 35 | West Virginia ．．．．．．．．．． | 8 | 73，050 | 63 ． |  |  | 18，105 | 2，004 | 12， 091 |
| 6 | Wiscorsin ．．．．．．．．．．．．．． | 108 | 3，747， 095 | 1，999 |  | 68 | 874， 667 | 241，036 | 764， 032 |

for principal industries: 1880.
1.-AGRICULTURAL MMPLEMENTS.


Table LIV．－Manufactures：Special statistios
1．－AGRICULTURAL IMPLEMENTS－Contiuned．

|  | States and Territories． | PRODUCTB－continued． |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Implements of cultivation－cont＇d． |  |  |  | Earvesting implements． |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  | 容 | 荡 | 宮 |  | 皆 |  | 管 |
|  | The United States．． | Dozen． 299， 338 | $\begin{gathered} \text { No. } \\ 1,320,123 \end{gathered}$ | Dozen． <br> － 212,147 | No． $3,002$ | ${ }_{315}{ }_{3}$ | $\underset{167,402}{\text { No. }}$ | $\begin{aligned} & \mathrm{NO}_{2}, \\ & 25,737 \end{aligned}$ | $\begin{aligned} & \text { Dozen. } \\ & 308,782 \end{aligned}$ |
|  | Alabama． | 17 | 2，753 | 34 | 30. |  | 33 |  | 8 |
| 3 | California． | 1，803 |  |  | 1 |  |  | 65 |  |
| 4 | Connecticut | 20，760 | 52，175 | 170 | 211 |  |  | 6 | 3,310 |
| 5 | Dolawaro．． | 33 | 855 | 10 | 26 |  | 12 |  |  |
|  | Georgia． | 10，047 | 70， 462 | 1，713 | 3 |  |  |  | 10 |
| 7 | Ininois． | 164 | 269，343 | 183 | 28.3 |  | 632 | 11，800 | 170 |
| 8 | Indiana－．．．．．．．．．．．．．．．． | 2，342 | 177， 980 | 677 | 32 | 300 | 46，035， |  | 281 |
| 10 | Kowa．．．．．．．．．．．．．．．．．．．．． | 9， 289 | 36， 613 | 57 | 51. |  | 13，416 | 200 | 3， 054 |
| 11 | Kontncky ．．．．．．．．．．．．． | 97， 410 | 130，791 | 2，346 | 81 |  | 127 |  | 37 |
| 12 | Lonisiami． |  | 200 |  |  |  |  |  |  |
| 13 | Maine | 2，062 | 4，504 | 2，475 |  |  |  |  | 3，477 |
| 14 | Maryland．－．．．．．．．．．．．．． | 66 | 20， 8091 |  | 86 |  | 625 | 5 | 10 |
| 15 | Massachusetts．．．．．．．．．． | 20，160 | 34，134 | 120,000 | 100 |  | 2，000 |  | 10，023 |
| 10 | Michipan ．．．．．．．．．．．．．．． | 18， 390 | 40，684 | 20 | 394 | 15 | 37， 713 |  | 26， 685 |
| 17 | Minnusota．．．．．．．．．．．．．． | 101 | 17，782 | 83 | 17 |  | 111 | 1，720 | 6 |
| 19 | Mississippi | 52 <br> 1.600 | 3， 4901 | ${ }^{46}$ |  |  | 30. |  | 10 |
| 20 | Nebraska． | 1，660 | 2， 160 | 0，70－ | 5 |  | 106 |  | ${ }^{4}$ |
| 21 | New Hampshire |  |  | 6 | 1. |  |  |  | 3，750 |
| 22 | New Jersoy ．．．． | 47 | 2， 973 | 8 | 138. |  | 135 |  | 300 |
| 23 | New York．．．．．．．．．．．．．．． | 67， 889. | 07， 815 | 3， 084 | 816 |  | 36，056 | 7， 765 | 220，819 |
| 2 | North Camolina ．．．．．．．． | 15 | 15， 619 | 585 |  |  |  |  |  |
| 25 | Ohio ．．．．． | 29， 054 | 63， 962 | 7，008 | 198 |  | 18，928 | 3，440 | 18，882 |
| 26 | Oregor |  |  |  |  |  |  |  |  |
| 27 | Pennsylvania | 8， 918 | 84，898， | 60，054 | 226. |  | 6，591 | 1 | 4，318 |
| 28 | Rhode Island |  | 500 |  | 20. |  | 600 |  | 176 |
| 29 | Sonth Carolina． | 2 | （i80） | 23 | 1 |  | 100 | 1 | 20 |
| ${ }^{1}$ | Ternessee．．．．．．．．．．．．．． | 14 | 24， 007 | －18， |  |  | 363 |  | 1. |
| 31 | Texas．．． | 275 | 17， 655 | 415 |  |  |  |  |  |
| 22 | Utah |  | $400 \mid$ |  |  |  |  |  |  |
| 33 | Vermont． | 6， 700 | 2，593 | 200 | 49 |  | 2，400 |  | 8,880 |
| 34 | Virginia ．．．．．．．．．．．．．．． | 121 | 78,848 | 138 | 12） |  | 1152 |  | 44 |
| 35 | West Virginia．．．．．．．．．． | 23 |  | 33 |  |  | 1，150 | 225 |  |
| 36 | Wisconsin | 410 | 40，192 | 1 | 154 |  | 160 | 508 | 3，600 |

for principal industries: 1880-Continued.
1.-AGRICULTURAL IMPLEMENTS-Contivued.


Table LIV.-Manufactures: Special statistios
1.-AGRICULTURAL IMPLEMENTS-Continued.

for principal industries: 1880-Continued.
1.-AGRICULTURAL IMPLEMENTS-Continued.


|  | States and Terri- |  |  | $\begin{aligned} & \text { AVERAGL NuMbBr } \\ & \text { OF FANDS EM- } \end{aligned}$PLOYED. |  |  |  | matrrials. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | 薄 |
|  | United States.. | $\begin{gathered} \mathrm{No} \\ 1,9 \dot{\mathrm{~s}} \end{gathered}$ | Dollars. | 82, 547 | 25,122 | 3,483 | Dollars. <br> 43, 001, 438 | Number. <br> 6, 831, 661 | $\begin{gathered} \text { Number. } \\ 21,147,656 \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { Pounds } \\ \hline 12,960,614 \\ \hline \end{array}$ |
|  | Californi | 81 | 1,001, 183 | 2,246 | 105 | 88 | 1,064, 238 | 151, 637 | 285, 209 | 134, 700 |
| $\frac{2}{3}$ | Colorado... | $2{ }^{3}$ | 631, 000 | 1,012 |  | 17 | 529, 517 | 5, 5.000 | 274, 9 9000 | 60, 535 |
|  | Geargia. | 4 | 41, 8000 | 12 | , |  | 11, 445 , | 7,250 | 10, 582 | 3,400 |
|  | Idaho... |  | 4,000 |  | 1 | 1 | 3, 700 | 200 | 500 | 200 |
| 10 | Mlinois . | 33 | 1,729, 200 ; | 1,718 | 242 | 100 | 735,769 | 126, 132 | 290,793 | 319,187 |
|  | Indiana .............. | ${ }_{3}$ |  | ${ }_{13}^{304}$ |  |  | 11, 32.25 | 20, ${ }^{20}$, | ${ }_{28,710}$ | 22,000 |
|  | Kansas. | 3 | 16, 000 | ${ }^{\circ}$ |  | 5 | 13, 8100 | 3, 290 | ${ }_{5}^{5}, 570$ | 6,000 |
|  | Kontucky. | 15 | 197, 100, | 315 | 129 | 28. | 159, 587 | 48, 355 | 141, 842 | 12,300 |
| 15 | Lotisiana | 4 | 17,000 | 115 |  |  | 83,618 | 5,375 | 8,900 | 1,540 |
|  | Mraine | 52. | 1,369, 000 | 2, 634 | 1,180 | 10.3 | 1,335, 168, | 288, 761 | 804, 252 | 1,332, 900 |
|  | Marylamd...... |  | 21, 5998 , 133 | 1, 40.281 | 13,350 |  | 24,875, 509003 | 7 7 75, 363 | 11, 7284,188 | 22, 032,56893 |
|  | Michigan ...... | 10 | - $343,100 \cdot$ | ${ }^{690}$ | 6, 6 | 120: | ${ }^{-4,84,172}$ | , 62,002 | ${ }^{11767,172}$ | 57, 645 |
| 1920 | Minnosota | 5 | 463, | 357 | 24 | 21 | 207, 218 | , 313 | 93, 621 | 62, 534 |
|  | Mississipipi ... | 2 | 14, 500 | 27 |  |  | , 715 | (31) | 1,905 | . |
|  | Now Hampshiro | 59 | 1,630, 200 | 3, 395 | 985 | 5 | 1, 7422,832 | 487, 437 | 1,412, 113 | 1, 124, 121 |
|  | New Jersey... | 89 | 964, 245' | 2,302 | 809 | 117 | 1,278, 209 | 203, 209 | 811, 575 | 577, 68 |
| $\stackrel{24}{25}$ | New York | 272 | 6,227, 537 | 9, 072 | 3,711 | 631 | 4, 000,132 | 678,588 | 2,401,208 | 3,865,521 |
|  | North Caro | $55^{5}$ |  |  |  | 10. |  | 6,300 | 10, 4600 | - 46,100 |
|  | Orogon | , | 1, 10,000 |  | . |  | 1, 10,000 | 1,500 | 4.000 |  |
|  | Pennsyivania | 145 | 3, 627, 840 | 5,085 | 2,442 | 318 | 2,820,970 | 320, 435 | 1,440,970 | 1, ט23,085 |
| 26 | Tennessee | 3 | 6,000 |  |  | 3. | 9,905 | 1,08i | 2,926 | 3,397 |
| $27$ | Utah | 8 | 60, 05 | 117 | 33 | 36 | 65, 220 | 6,068 | 19, 014 | 11, 230 |
| 298180 | Vircminia | ${ }_{5}^{6}$ | 68, 6800 | - 173 | $4{ }_{4}$ | 7 | 41, ${ }^{40} 380$ | 12, 120 | 10, 572 | ¢0, ${ }^{10}$ |
| 30 | West Virginia |  | 10,000 |  |  |  | 3, 500 | $0 \cdot 4$ | 2,267 |  |
| 31 | Wisconsin | 20 | 548, 800 | 970 | 138 | 69 | 331,732 | 84, 661 | 227, 083 | 227, 276 |

[^1]for principal industries: 1880-Continued.
2.-BOOTS AND SHOES (FACTORY INDUSTRX).

c Includes ladies', misses', and children's lace boots.
7000

Mabre LIV．－Mivuflutures：Special statistics 3－MRICK ISD IMLE．

|  | $\underset{\text { ries．}}{\text { States and Territo．}}$ |  |  | $\begin{gathered} \text { AVERGGE NURHER } \\ \text { OV EANDS EM- } \\ \text { PLOYED. } \end{gathered}$ |  |  |  | materiacs． |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | 安 |  |  |
|  | The United States | $\begin{gathered} \mathrm{No} \\ \mathrm{E}, 681 \end{gathered}$ | Dollats． 27，673，616 | 60， 032 | 28 | 7，055 | Dollazs． $13,443,542$ | Cords． $1,157,522$ | Dutlars． <br> 5，750， 303 | Dollars． $19,774,834$ |
|  | Alabama | 38 | 78，525 | 428 |  | 139 | 68,397 | 12， 300 | 9，065 | 53， 225 |
| 2 | Arizona | 1 | 2， 500 | 19 |  |  | 4， 560 | －300 | 7， 750 | 80， 000 |
| 3 | Arkansas． | 32 | 38，700 | 339 |  | 30 | 5， 5175 | 7， 71 | 88，597 | 157， 625 |
| 4 | California | 50 | 378， 650 | 838 |  | 23 | 207， 230 | 13， 13.612 | 105， 972 | 194， 003 |
| 5 | Colorado | 46 | 362， 600 | 797 |  | 23 | －20，410 |  |  |  |
| 6 | Connecti | 48 | 328， 350 | 511 | 9 | 21 | 132， 40 | 9，620 | 54， 244 | 91,022 16.200 |
| 7 | Dakota | 14 | 45， 600 | 108 |  |  | 83， 63 | 3，561 | 26， 908 |  |
| 8 | Delaware－．．．．．．－ | 15 | 102， 400 | 230 |  | 12 | 50，216 | 1， 4,327 | 4， 510 |  |
| 9 | Dist．of Columbia | 16 | 330,000 7,850 | 576 |  | 120 3 | 123,161 12,458 | $\stackrel{4}{2}, 3840$ | 2，175 | 0，750 |
| 10 | Florida ．．．．．．．．．－－ | 9 | 7，850 | 104 |  |  | 12，408 |  |  |  |
| 11 | Georgia | 76 | 212， 660 | 1， 022 | 14 | 192 | 188， 889 | 52， 750 | 17， 109 | 115，747 |
| 2 | Idaho． | 2 | －2，500 | 5， 11 |  |  | 1， 288,840 |  | 572，734 | 950， $5 \times 4$ |
| 13 | Ilinois | ${ }_{7}^{616}$ | 2， 3 197， 023 | 5，319 3,908 | 13 | 571 328 3 | $1,288,8016$ | 139，950 | 251， 450 | 604， $2 \times 6$ |
| 14 | Indiana | 735 280 | $1,408,294$ 478,614 | 3，908 | 13 | 175 | 426， 120 | 144，205 | 108，958 | 270，963 |
| 15 | Iowa ． | 280 108 | 478， 014 125， 825 | －， 063 948 | 15 | 70 | 1r， 111 | －0，203 | 17，816 | 90，935 |
| 16 | Kansts | 11.5 | 302， 175 | 1，162 | 1. | $\underline{16}$ | 283， 702 | 30，975 | 51， 342 | 145， 503 |
| 18 | Louisiana | 31 | 87，425 | 2uj | 13 | 40 | 68， 696 | 9，540 | 5，70 | $\begin{array}{r}30,067 \\ 102087 \\ \hline\end{array}$ |
| 19 | Maine | 9 | 260， 549 | 621 |  | 10 | 106， 588 | 18，377 | 66， 731 | 124， 24.884 |
| 20 | Maryland | 79 | 1，168，158 | 2， 049 |  | 202 | 478， 189 | 5，406 | 218， 311 | 243， 8 8 |
|  | Trassaclinset | 114 | 1，668，200 | 2， 370 | 3 | 28 | 405，589 | 06， 392 | 180， 093 | 521，875 |
| 22 | Michigan ．．．．．．．．． | 179 | 710， 259 | 1，730 | 45 | 158 | 346,845 | 66，053 | 86,563 | 236， 718 |
| 23 | Minnesota | 57 | 281，705 | 928 | 5 | 77 | 200， 208 | 23， 781 | 27， 960 | 17．610 |
| 24 | Mississipp | 54 | 106， 125 | 593 | 4 | 113 | 89，063 | 11， 864 | 241， 504 | 49,99 388,364 |
| 25 | Missouri | 230 | 989，415 | 2，261 | 8 | 458 | 705，975 | 43，68 | 241， 204 |  |
| 26 | Moutana | 5 | 17，500 | 68 |  |  | 31.400 | 1，846 | 1，450 | 11，400 |
| 27 | Nebraska | 87 | 130， 7.40 | 585 | 3 | 74 | 104， 189 | 16， 380 | 39， 259 | 10.5 |
| 28 | Nerada． | $\stackrel{2}{2}$ | 1，2017 | 13 |  |  | \％，97 | \％ 9600 | （15） 910 | 10， 2 ， |
| 29 | New Hampsitiro． | 67 | 120， 845 | 642 |  |  | 118， 468 | 53， 14.29 | （10， 315 | 500， 037 |
| 30 | New Jersey ．．．． | 107 | 1，731， 200 | 2，575 | 26 | 148 | （6\％）$\pm 82$ | 14，683 | 5，${ }^{\text {a }}$ |  |
| 31 | Now M | 1 | 800 |  |  |  |  | 83 | 185 | 500 |
| 32 | New York | 321 | 3，923，405 | 0，715 | 29 | 010 | 1， 013,766 | 105， 785 | U81， 801 | 196， 328 |
| 33 | North Caro | 66 | 54， 300 | 433 | ${ }^{3}$ | 176 | 40， 928 | 1， 10.10 | ع01，90 | 1，185， 754 |
| 34 | Ohio．． | 825 | 2，723，523 | 5， 5 20］ | 13 | 56 | 1，114， 183 | 1－2， 614 | － 3,407 | 1，10，197 |
| 35 | Orrgon ．．．．．．．．．．． | 23 | 53，490 | 184 | 1 |  | 43， 814 | 19 |  |  |
|  | Pennsylpan | 521 | 5， 028,594 | 7， 125 | 6 | ＇1，285 | 2，077，165 | 24， 570 | 1，294， 150 | 1，339，758 |
| 37 | Rhode Island | 1 | 100， 000 | 195 |  |  | 52， 000 | 3，000 | 10， 000 | －4， 309 |
| 38 | South Carolina．．． | 29 | 31， 100 | 269 | － | 96 | 25， 903 | 6，503 | 58， 913 | 130，568 |
| 39 | T＇ennessee | 90 | 343， 354 | 1， 2824 | 8 | 422 | 201， 298 | 23， 31.29 | 16，567 | 105， 0 \％ 4 |
| 40 | Texas | 118 | 183， 530 | 1， 042 | 8 | 135 | 201，$\times 29$ |  | 10， |  |
| 41 | Utah | 98 | 121， 575 | 147 |  |  | 34， 800 | 1， 339 | 12,935 | 10， 895 |
| 42 | Vermont | 2 | 133， 250 | 210 |  | 8 | 38， 010 | 5， 200 | 6， 37.25 | 18， 420 |
| 43 | Virginia． | 84 | 200，085 | 1，280 |  |  | 188， 4.2 | 16， 810 | 8， 300 | 1，150 |
| 44 | Washington ．．．．． | 47 | \％$\%$ \％， 600 | 16 | $\cdots$ |  | 111， 301 | 8，917 | 10，570 | 30， 961 |
| 45 | West Virginia ．．． | 47 | 242， 950 | 304 | ${ }^{1}$ |  |  |  |  |  |
| 46 | Wisconsin．．．．．．． | 119 | 560， 872 | 1，905 | 8 |  |  | 2S， 50 | $\begin{array}{r} 38,483 \\ 200 \end{array}$ | $\begin{array}{r} 161,400 \\ 1,460 \end{array}$ |
| 47 | Wyoming ．．．．．．．． | 2 | 1，500 |  |  |  | 5，300 | 200 |  |  |

for principabinatustizen 1880 -Goxtmind.
3. Mrivic matyre.

| Provucts. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| Number. <br> 3, $823,362,000$ | Number. <br> 163,184,000 | Number. $210,815,000$ | Dollars. <br> 2,944, 239 | Dollars. $1,765,428$ | Dollars. 729,920 | Dollars. $32,833,587$ |  |
| $24,695,000$ $1,200,000$ | 1,250,000 | 650,000 | 3,500 | 12,100 |  | 159,952 9,600 | $\frac{1}{2}$ |
| 14,303, 000 | 78,000 | 2,515,000 | 5,250 | 1,000 |  | 117, 370 |  |
| 63,427,000 | 510,000 | 630,000 | 60, 210 | 1,000 | 800 | 516,201 |  |
| 65, 628,000 | 4,040,000 | 13,725,000 | 1,500 |  |  | 605, 028 | O |
| 40,131,000 | 225,000 | 701,000 | 19,900 | 0,140 | 17,200 | 299, 104 | 6 |
| 7, 6880,000 |  | 1, 165,000 | 6500 |  |  | 66, 685 | 8 |
| 11,903, 5000 | 35,000 | $1,100,000$ $1,689,000$ | 6,500 |  | 8,150 | 125,610 314,298 | 8 |
| 4, 845,000 | 430,000 |  |  |  |  | 28,100 | 10 |
| 56, 865,000 | 1, 470,000 | 3,582,000 | 1,250 | 5,225 | 500 | $\begin{array}{r}409,025 \\ \hline 6,990\end{array}$ | 11 |
| 595,000 $370,450,000$ | 2,962,000 | 2,778,000 | 737, 822 | 189,708 | 15,815 | 3, 685,9302 | 13 |
| 204, 737, 000 | 1, 470,000 | 14, 248,000 | 643, 570 | 74,622 | 15, 047 | I, 927, 858 | 14 |
| 123, 250, 000 | 2, 015, 003 | 4,709,000 | 51, 681 | 6,640 | 2,350 | 944, 497 | 15 |
| 54, 838,000 | 255, 000 | f02,000 | 200 | 100 |  | 355, 688 | 10 |
| 84, 878,000 | 210, 000 | ©, 440,000 | 6,200 | ............ | 1,000 | 506,705 | 17 |
| 17, 933, 90 |  | 1, 010,000 | 403 |  |  | 133,265 310,958 | 18 |
| $39,105,1000$ $90,24,400$ | $\begin{array}{r} 157,000 \\ 0,050,000 \end{array}$ | 520,000 $10,025,000$ | 1,470 20,038 | 75,000 19,967 | 30,000 10,450 | 310,958 935,988 | 19 |
| 183, 185, 000 | 280,000 | 4,933,000 | 10,338 | 31,420 | 124,692 | 1,322,628 | 21 |
| 130, 212,000 | 560, 600 | 14, 891,000 | $\cdot 95,401$ | 58, 501 | 4,880 | 822, 475 | 22 |
| 78,970,000 | 440, 000 | 1,768,000 | 900 | 300 | 500 | 502, 975 | 23 |
| 96, 957 , 100 |  | 11.85,000 | 25 |  | ${ }_{7}^{110}$ | 194, 870 | 94 |
| 219, 834,000 | 10, 017,000 | 11, 886,000 | 79, 280 | 31, 020 | 7,755 | 1,602,522 | 25 |
| 3, 65000000 |  | - 2000,000 |  |  |  |  |  |
| $44,081,000$ $1.055,000$ | 677,000 150,000 | 2, 260,000 | 000 |  |  | 349,478 8,355 | 27 28 |
| 48,040, 000 | 475, 000 | 619,000 | 4,500 |  |  | 282, 725 | 29 |
| 138,887, 100 | 17,513,000 | 4,610,000 | 129, 454 | 142, 800 | 124, 250 | 1,672,553 | 30 |
| 250,000 |  |  |  |  |  | 1,500 | 31 |
| 575,900,000 | 12, 861, 000 | 25,542,000 | 146, 891 | 103, 981 | 139, 842 | $4,108,464$ | 32 |
| 20,079, 0003 | 1, 495, 000 | 2, 482, 000 | 2, 625 |  | 14,100 | $\begin{array}{r} 150,874 \\ 3.481 .291 \end{array}$ | 33 34 |
| 296, 214,000 | 10, 878,000 | $10,385,000$ 3,000 | 676,405 1,100 | $\begin{gathered} 834,918 \\ 15,000 \end{gathered}$ | 44,611 3,000 | 3,481, 294 | $3{ }^{34}$ |
| 383, 2000000 | 61, 907,000 | 40,320,000 | 104, 112 | 75,476 | 111, 093 |  | 36 |
| 13, 000, 000 <br> 11, 575,000 |  | .-....... | -7, 325 |  | 111, | $\begin{array}{r} 75,000 \\ 80,819 \end{array}$ | 37 38 |
| $11,575,000$ $69,200,600$ | 835,000 $1,148,000$ | 30,000 $9,006,000$ | 7,325 15,422 | 50 | 43,891 | 80,819 523,113 | $\begin{array}{r}38 \\ 39 \\ \hline\end{array}$ |
| 51, 431, 000 | ${ }^{1}$ \% 657,000 | 9,530,000 | 4,070 | 3,000 | 6,400 | 448,418 | 40 |
| 0,855,000 | 400, 000 | 780,000 | 2,050 | 40 | 500 | $8.3,302$ | 41 |
| 13, 700,000 | 30,000 |  | 2, 200 | 7,500 | 100 | 83, 650 | 42 |
| $\begin{array}{r} 5,111,0000 \\ 600,000 \end{array}$ | 821,000 | 2,973,000 | 5,820 | 4,170 | 2,700 | $\begin{array}{r} 398,789 \\ 6,1000 \end{array}$ | 4 |
| 13, 497,000 | 10, 900,000 | 230,000 | 18,725 | 1,500 | 10,200 | 218, 710 | 45 |
| $\begin{array}{r} 60,651,000 \\ 1,000,000 \end{array}$ | 385,000 | 2,157,000 | 8,092 | 1,250 | 1,490 | $\begin{array}{r} 607,609 \\ 8,500 \end{array}$ | 46 47 |

Table LIV.-Mamffectures: Special statistios
4.-CARPRTM, OTHER THAN RAG.

for principal industries: 1880-Coutinued.
4.-CARPETS, OTHER THAN RAG.


Table LIV.-Manufactures: Special statistics
5.-CHEESE AND BUTTER. (a)

a Not including farm products.
for principal industries: 1880-Continued.
5.-CHEESE AND BUTTER.

| cheese factonims. |  |  | butmer factories. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Total value of products. |  |
| Pounds. <br> 171, 750,495 | Dollars. <br> 10, 063, 670 | Dollars. <br> $13,991,221$ | Pounds. $16,471,163$ | Dollars. 41, 393 | Dollars. $3,732,333$ | Dollars. 3, 808, 235 |  |
| 17,700 | 2,640 | 6,195 | 400 |  | 120 | 200 |  |
| 1,154, 121 | 70,567 | 122, 0107 | 2, 074, 344 | 5,990 | 269, 367 | 107,467 | 2 |
| 64,500 | 5,400 | 8,385 | 2, 100 |  | -509 | $8 \pm 0$ | 3 |
| 201, 820 | 12, 479 | 19, 763 | 93, 305 | 1,140 | 17,962 | 28, 127 | 4 |
| 700 |  | 140 | 5,800 |  | 932 | 2,120 | 5 |
|  |  |  | 25,800 |  | 4,620 | 7,710 | 6 |
| 97,000 | 0,010 | 19, 285 | 6, 600 |  | 5390 |  | 8 |
| 4, 977, 288 | 336,278 | 466, 178 | 2,414, 6888 | 2, 360 | 439,609 04,125 | 591,604 87,059 | ${ }_{10}$ |
| 1, 153, 714 | 75, 192 | 111, 060 | 231, 232 | 2,507 | 64, 125 |  | 10 |
| 2, 302,936 | 138,400 | 215, 729 | $5,458,505$ | 8,245 | 965,304 | 1, 304, 763 | 11 |
| 791,384 | 42,308 | 70,247 | 11, 482 | 25 | 1, 5581 | 14,178 | 12 |
| 774,365 | 46,852 | 73,942 | 6, 069 | 150 | 840 | 1, 050 | 14 |
|  |  |  | 190,595 | 4,741 | 47,710 | 60, 616 | 15 |
| 1,093, 843 | 65,117 | 93, 937 | 52, 150 | 8,200 | 18,142 | 28,737 | 16 |
| 3,291,738 | 200, 152 | 200, 91 | 9,851 |  | 1,114 | I, 994 | 17 |
| 459, 191 | 25,062 | 41,613 | 62, 450 |  | 9,735 | 14, 426 | 18 |
| 550, 265 | 38,934. | -t, 219 | 126, 881 | 275 | 23, 020 | 32, 889 | 19 |
| 24,500 | 2,450 | 4,660 | 3,000 |  | 2,250 | 3, 240 | 20 |
| 273,506 | 15,332 | 25, 077 | 20, 672 |  | 8, 783 | 4,456 | 21 |
|  |  |  | 8,500 |  | 875 20,683 | 27, 887 |  |
| 36,409 | 3.386 | 10,820 | 99,068 | 2,700 | -0,033 | 31, 3 , 910 | 24 |
| 208, 722,852 | 6, 375, 530 | 8,720, 490 | 4, 197, 424 |  | 626, 609 | 870,383 | 25 |
|  |  |  | 1,000 |  | 152 | 250 | 26 |
| 17, 808, 191 | 1,018,663 | 1,361, 124 | 295, 341 |  | 30,138 | 39, 933 | 27 |
| 146, 584 | 1, 9,869 | 18, 648 | 81,500 |  | 10,304 | 24,668 | 28 |
| 0, 087, 805 | 340, 001 | 487,629 | 453, 020 | 1,855 | 82, 728 | 110, 1,080 | 30 |
| 9,040 | 540 | 900 | 3,600 |  | 648 | 1, 080 | 30 |
| 140,098 | 10,059 | 18,974 | 12, 020 | 515 | 2,030 | 2, 054 | 31 |
| 4, 575, 341 | 282, 635 | 389, 956 | 5,000 | 100 | 600 | 1,100 | 32 |
| 26,000 | 1,690 | 2, 600 | 29, 100 |  | 5,096 | 8,021 | 33 |
| $\begin{aligned} & 70,100 \\ & 80,687 \end{aligned}$ | 4,480 | 7,000 | 47, 963 |  | 7,314 | 11, 820 , | 34 35 |
| 86,687 | 6,373 | 10,238 |  |  |  |  | 35 |
| 16, 800, 094 | 932, 380 | 1,340, 860 | 386, 010 | 2,520 | 63,401 | 99,673 | 36 |

5.-CHEESE AND BUTTER-Continued.

for principal industries: 1880-Continued.
5.-CHEESE AND BUTTER-Continued.

| condexsid milk factorims. |  |  | ail factories. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Dollars. <br> 1.026, 858 | Pounds. $13,033,267$ | Dollars. <br> 1, 547, 588 | Dollars. <br> 18, 363, 579 | Dollars. <br> $25,742,510$ |  |
|  |  |  | 2,760 | 6.395 |  |
|  |  |  | 339,934 <br> 5,902 <br> 8 | 590,434 9,225 |  |
| 24, 293 | 453,156 | 28,867 | 87, 820 | 134, 440 |  |
|  |  |  | 1,002 | 2, 260 |  |
|  |  | ......... | 4, 620 36,500 | 7,710 44,920 |  |
| 260, 834 | 3, 615,408 | 447,74i | 2, $\begin{array}{r}640,590 \\ \hline 627\end{array}$ | ( $\begin{array}{r}13,2,299 \\ 3,8761185\end{array}$ |  |
| ................ |  |  | 2,857, 6006 | 225, 049 | 10 |
|  |  |  | 1, 264, 316 | 1,736, 400 | 1 |
| t.......... |  |  | 43,899 | 72,783 14,178 |  |
|  |  |  | 47, 692 | ${ }_{87}^{7859}$ | 5 |
|  |  |  | 60, 98 |  |  |
| 10, 900 | 108, 371 | 18,589 | 123, 845 | 191,110 | 16 |
|  |  |  | ${ }_{218}^{218.49}$ | 317, 817 | 17 |
|  |  |  | $65^{1}, 950$ | 96, 128 |  |
|  |  |  | 4,700 | 7,900 | 20 |
|  |  |  | 27, 791 | 46, 322 | 21 |
|  |  |  | 20,683 | 27,887 | 2 |
| 730, $\mathrm{ij1}$ | $8,820,3 \times 3$ | $1,062,391$ | 85,491 8,888708 | 12, ${ }_{\text {1235, }}$ | ${ }_{25}^{24}$ |
|  |  |  |  |  |  |
|  |  |  | 1,985, 050 | 2,756, 793 | 27 |
|  |  |  | 655,368 | 915,468 | 29 |
|  |  |  | 1,188 | 1,980 | 30 |
|  |  |  | 12,095 | 21,988 | 31 |
|  |  | ......... | 284, 4292 | 393,122 | ${ }^{2}$ |
|  |  |  | 11,794 | 18,820 | ${ }^{34}$ |
|  |  | - | 6,378 | 10, 238 | 35 |
|  |  |  | 1,036,357 | 1,501, 087 | 86 |

Table LIV.—Manufactures: Special statistics

## 6.-CHEMICAL PRODUCTS.

|  |  |  | capitat. |  |  | aybragie number of hands employed. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States and Territories. |  |  | Value of machinery. |  | Males above 16 years. | 19 <br> 总 | Children and jouths. |
|  | The United States. | $\begin{gathered} \mathrm{Yo} \\ 1,349 \end{gathered}$ | $\begin{gathered} \text { Dollars. } \\ 10,010,129 \end{gathered}$ | $\begin{gathered} \text { Dollars. } \\ 15,650,476 \end{gathered}$ | Dollars. 85, 394, 211 | 26,776 | 1,493 | 1,251 |
| 1 | California.. | 42 | 365,300 | 409, 725 | 2, 406, 350 | 518 | 16 | 9 |
| 3 | Colurado... | 3 | T, 000 | 1,250 | 36, 000 | 18 | 2 |  |
| 3 | Commeeticut | 41 | 285, 050 | 305, 200 | 1, 434, 250 | 506 | 30 | 4 |
| ${ }_{5}^{4}$ | Delaware ............ | 23 | 177, 200 | 219,900 | 1, 931, 379 | 270 | 142 | 27 |
| 5 | District of Columbia.. | 12 | 73,500 | 41,900 | 205, 967 | 132 |  | 2 |
| 6 | Florida | 1 | 400 | 150 |  | 2 |  |  |
| 7 | Georcria. | 4 | 65, 600 | 28,000 | 245,000 | 82 |  | 7 |
| 8 | Illinois. | 52 | 784, 429 | 747, 849 | 3,348, 550 | 1,293 | 72 | 98 |
| 9 | Indiana | 16 | 27, 400 | 36,550 | 102, 700 | 73 |  |  |
| 10 | Iowa... | 17 | 63,450 | 54, 221 | 210, 600 | 108 | 6 | 3 |
| 11 | Kansas | 12 | 17,200 | 15, 035 | 68, 000 | 43 |  | 2 |
| 12 | Kentucky | 15 | 172,988 | 187, 700 | 712, 440 | 157 | 27 |  |
| 13. | Louisiana | 7 | 61, 000 | 63,301 | 218,701 | 87 | 8 | 5 |
| 4 | Maine. | 94 | 113,600 | 72,800 | 308, 480 | 101 |  |  |
| 5 | Maryland | cio | 959,350 | 570, 839 | $5,578,302$ | 1,361 |  | 19 |
| 6 | Mrassachaset | 179 | 1,530, 233 | 1,067, 998 | 6, 828,473 | 2,016 | 63 | 64 |
| 17 | Michigan | 38 | 65, 500 | 1,06,200 | -258, 093 | ${ }^{193}$ | 2 | 4 |
| 18 , | Minnesnta | 6 | 35, 035 | 19,000 | 112, 500 | 30 | 7 |  |
| 19 | Missouri. | 99 | 76T, 15 t | 691, 923 | 3,415,300 | 1,114 | 31 | 49 |
| 0 | Velmaskia | 7 | 35,800 | 35, 175 | 110, 300 | 65 | 2 | 7 |
| 1 | Nevada. | 7 | 31, 800 | 24, 800 | 274,500 | 53 |  |  |
| 2 | Yen Mampishin | 20 | 31, 775 | 12, 025 | 80, 600 | 49 | 1 |  |
| , 3 | New Tersey | 62 | 1,712, 920 | 1, 372, 344 | 7,571,400 | 2, $34 \overline{5}$ | \% | 232 |
| 1 | Now Yoik. | 217 | $5,505,678$ | 3,619,314 | 20, 241,306 | 5,532 | 429 | 270 |
| 25 | North Carolina | 1 | 40, 000 | 30, 000 | 350,000 | 100 |  | 25 |
| 6 | Onio. | 98 | 1, 134, 1100 | 938,59 | 5,981,003 | 1,541 | 140 | 122 |
| 27. | Oregon.... | 2 | 3,950 | र', 210 | 23, 000 | , 8 |  |  |
| 8 | Perinctrania | 181 | 3, 032,125 | $3,884,161$ | 18,340,930 | 4,273 | 336 | 187 |
| 90 | Thode Island | 41 | 24, 590 | 363, 0.0 | 1, 291, 230 | 6005 | 74 | 8 |
| 0. | Sontir Carolina | 20 | 306, 550 | 502, 730 | 3, 496,300 | 2,680 | 10 | 70 |
| 1 | Tcmuesseo | 9 | 41, 200 | 45, 471 | 12T, 600 | 64 |  | 1 |
| 2 | Tecas | ${ }_{6} 6$ | \%, 0001 | 5. 833 | 30, 000 | 16 |  | 3 |
| 3 | Utah | 2 | 4,709 | 7,719 | 30, 000 | 4 |  |  |
| 4 | Vermont | 11 | 50, 810 | 23, 560 | 103, 9616 | 95 |  |  |
| 5 | Virginia | 83 | 183,900 | 105, 800 | 645, 700 | 795 | 3 | 30 |
|  | Trest Fircinia | 9 | 23,650 | 5i, 300 | 190.900 | 93 |  | 10 |
| 7 | Washington |  | 5.500 | 200 | 2,009 | 3 |  |  |
| 8 | Wisconsin ............. | 24 | 72,200 | 52,784 | 231, 972 | 136 | 14 | 13 |

for principal industries：1880－Continued．
6．－CHEMICAL PRODUCTS．

|  | MEATERLALS． |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 若 |  | $\begin{aligned} & \text { 足 } \\ & \text { 感 } \end{aligned}$ |  | $\begin{gathered} \text { ت } \\ 0 \end{gathered}$ |  |
| Dollteqs． <br> 11，810， 704 | Tons． 273， 101 | Dollars． 968， 432 | $\begin{aligned} & \text { Tons. } \\ & 319,398 \end{aligned}$ | Dollars． 013，385 | Dollars． $75,610,108$ | Dollers． <br> $77,494,425$ |  |
| 282， 014 | 1． 703 | 14． 987 | 6，718 | 43， 404 | 2，000，087 | 2，119，008 | 1 |
| 18， 200 |  |  | ＋288 | 1，162 | 27， 898 | 4，49，000 | 2 |
| 270， 754 | 17，407 | 54， 124 | 1，015 | 5，145 | 1， 703,106 | 1，82－3， 483 | 3 |
| 100，020 | 2，011 | 14，004 |  |  | 795，070 | 809,074 | 4 |
| 46，875 | 302 | 1，260 | 920 | 3，536 | 212，123 | 216，919 | 5 |
| 915 |  |  |  |  | 500 | 500 | 6 |
| 28，377 |  |  |  |  | 209，600 | 209，600 | 7 |
| 571， 417 | 2，993 | 9， 293 | 19，s21 | 71， 878 | 5，804， 259 | 5， 035,480 | 8 |
| 23， 116 |  |  | 802 | 3，084 | 86，460 | 89.644 | 9 |
| 34， 020 | 45 | 180 | 995 | 3，405 | 175：175 | 175，710 | 10 |
| 12，902 |  |  | 320 | 1，670 | 126，492 | 128，100 | 11 |
| 68， 475 |  |  | 6，060 | 19， 610 | 455， 363 | 407， 073 | 12 |
| $\cdots 45.643$ |  |  | 400 | 2，000 | 154， 007 | 156， 007 | 13 |
| 53，461 | 2，656 | 13，333 | 350 | 2，100 | －313，108 | 328， 041 | 14 |
| 525， 125 | 1，950 | 8，443 | 21， 788 | 127， 183 | 4，490，010 | 4，625， 037 | 15 |
| 953， 584 | 17，065 | 75,028 | 14，886 | 76，748 | 7，238， 927 | 7，390， 903 | 16 |
| 65， 358 |  |  | 3， 270 | 6，62\％ | 171，368 | 177， 085 | 17 |
| 19,04 |  |  |  |  | 115． 100 | 115， 100 | 18 |
| 544086 | 688 | 4， 321 | 20， 644 | 74，976 | 3，976， 977 | 4，056， 274 | 19 |
| 24， 436 |  |  | 1，127 | 4，122 | 200， 108 | 210，320 | 20 |
| 83，6m0 |  |  |  |  | －37，075 | 37，075 | 21 |
| 10，849 |  |  |  |  | 48，660 | 4S，6e0 | 23 |
| 1，172，654 | 70，909 | 215，945 | 5，492 | 23， 981. | 5，848，370 | 6，088， 299 | 23 |
| 2，901，960 | 75， 308 | 306， 063 | 17，419 | 61，380 | 20，050，075 | 20，418，018 | 24 |
| 40，000 |  |  |  |  | 150，000 | 150，000 | 25 |
| $706,43,4$ | 100 | 105 | 49，853 | 101， 158 | 4，974， 182 | 5，075，295 | 26 |
| $8,700$ |  |  | 19， |  | 10，（10） | $10,000$ | 27 |
| 2，1．51， 999 | 60， 934 | 103，303 | 106，784 | 205， 203 | 12，687， 296 | 13，085，892 | 28 |
| 2－4，657 | 3，260 | 15，909 | 7， 000 | 34，712 | 1，118，431 | 1，169， 203 | 98 |
| 577， 100 | 9， 525 | 40,725 | 4，341 | 23，250 | 1，233，279 | 1，297， 204 | 30 |
| 14，406 |  |  | 704 | 2，924 | 36，79 | 30， 114 | 31 |
| 9， 488 |  |  |  |  | 19， 85 | 12， 825 | 32 |
| 2，778 |  |  | 12 | 78 | 83， 26.5 | 23，642 | 3 |
| 23．422 | 36 | 153 |  |  | 27，185 | 27，340 | 34 |
| 125，010 |  |  | 1，100 | 4，000 | 54， 075 | 523,675 | 35 |
| 32．909 |  |  | 5，387 | 8， 543 | 64， 463 | 73，006 | 39 |
| 1，000 |  |  |  |  | 2，000 | 9，000 | 37 |
| 57，3／ | 100 | 625 | 2，102 | 8，905 | 311， 031 | 300， 051 | 08 |

Table LIY.-Manufactures: Special statisties
6.-CHEMICAL PRODUCTS-Continued.

| States and Territories. |  | products. - |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Aniline colors. |  | Anthracene. |  | Sulphate of ammonia. |  |
|  | The United States. | Pounds. 80,518 | Dollars. <br> 107, 292 | Founds. 344, 114 | Dollars. 99, 242 | Pounds. <br> 16,575,088 | $\begin{gathered} \text { Dollars. } \\ 618,485 \end{gathered}$ |
| 1 | Califormia. |  |  |  |  |  |  |
| 2 | Colorado... |  |  |  |  |  |  |
| 3 | Connecticut |  |  |  |  | 355, 000 | 15,000 |
| $\stackrel{4}{5}$ | District of Colambia.. |  |  | 62, 684 | 8,875 | 530,000 | 21, 200 |
| 6 | Florida. |  |  |  |  |  |  |
| 8 | Georgia. |  |  |  |  |  |  |
| 8 | Ininois |  |  |  |  | 1, 148, 000 | 43,000 |
| 10 | Iowa ... |  |  |  |  |  |  |
| 11 | Kansas. |  |  |  |  |  |  |
| 13 | Kentucky |  |  |  |  | 400,000 | 16,000 |
| 14 | Louisiana. <br> Maine |  |  |  |  | 287, 000 | 10,045 |
| 15 | Maryland |  |  | 4,664 | 717 |  |  |
| 16 | Massachusetts. |  |  |  |  | 950,000 | 35,000 |
| $\begin{aligned} & 17 \\ & 18 \end{aligned}$ | Michigan.. |  |  |  |  |  |  |
| 18 | Minnesota |  |  |  |  | 250,000 | 10,500 |
| 20 | Nebraska. |  |  |  |  |  |  |
| 21 | Nevada. |  |  |  |  |  |  |
| 22 | New Hampshire |  |  |  |  |  |  |
| 23 | New Jersey -- |  |  |  |  | 1,100,000 | 41. 250 |
| 24 | New York | 80,518 | 107, 292 | 265,516 | 73, 050 | 3, 872, 000 | 149, 160 |
| 26 | Ohio. |  |  |  |  | 2,500,000 | 80,250 |
| 27 | Oregon ......... |  |  |  |  | 2,500,00 |  |
| 28 29 | Pennsylvania. |  |  | 11,250 | 16,000 | 4, 999,738 | 185,290 |
| 30 | South Carolina... |  |  |  |  |  |  |
| 31 | Tennessee |  |  |  |  |  |  |
| 32 | Texas... |  |  |  |  |  |  |
| 33 | Ttah ..... |  |  |  |  |  |  |
| 34 | $\nabla$ ermont. |  |  |  |  |  |  |
| 35 | Virginia .... |  |  |  |  | 21,000 | 700 |
| 36 | West Virginia |  |  |  |  |  |  |
| 37 | Washington. |  |  |  |  |  |  |
| 38 | Wisconsin ... |  |  |  |  |  |  |

for principal industries: 1880-Continued.
6.-CHEMICAL PRODUCIS-Continued.

| Products-contimued. |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alam. |  | Borax. |  | Bromine. |  | Phosphorus. |  |  |
| Pounds. <br> 39, 217, 725 | Dollars. 808, 105 | Ponends. $3,692,443$ | Dollars. 277, 233 | Pounds. 404, 690 | Dollars. 114, 752 | Pounds. 56, 292 | Dollars. 29, 271 |  |
| ............. |  | 1,422,443 | 107, 333 |  |  |  |  | 1 |
| ........... | - |  |  |  |  |  |  | 3 |
| -............. | ......... |  |  | . |  |  |  | 5 |
|  |  |  |  |  |  |  |  | ${ }_{7}$ |
|  |  |  |  |  |  |  |  | 8 |
| ...... | .......... | ............ | ..... | ......... | ....-.... |  |  | 10 |
|  |  |  |  |  |  |  |  | 11 |
| $\ldots$ | .............. | ............... | ........... | .......... | ......... |  |  | 12 |
| --. |  |  |  |  |  |  |  | 13 |
|  |  |  |  |  |  |  |  | 15 |
|  |  |  |  |  |  |  |  |  |
| - |  |  |  | .... |  | -..-...... | * | 17 |
| ---- |  |  |  |  |  |  |  | 19 |
| ............. |  |  |  |  |  |  |  | 20 |
|  |  | 2,270,000 | 169,900 |  |  |  |  | 21 |
| $\begin{aligned} & 0,378,550 \\ & 3,750,100 \end{aligned}$ | $\begin{aligned} & 91,961 \\ & 70,000 \end{aligned}$ |  |  |  |  | 50,202 | 20,271 | 22 23 97 |
|  |  |  |  |  |  |  |  | 25 |
|  |  |  |  | 150,850 | 40, 462 |  |  | 26 |
| - $20,089,175$ | 646,204 |  |  | 90,000 | 25, 120 |  |  | ${ }^{27}$ |
|  |  |  |  |  |  |  |  | ${ }^{29}$ |
|  |  |  |  |  |  |  |  | 30 |
|  |  |  |  |  |  |  |  | 31 |
|  |  |  |  | . |  |  |  | 33 |
|  |  |  |  |  |  |  |  | 34 |
|  |  |  |  | 163, 840 | 49, 170 |  |  | 30 |
|  |  | - |  |  |  |  |  | 37 |
|  |  |  |  |  |  |  |  | 38 |

Thable LIV.-Manufactures: Speoial statistice
6.-CHEMICAL PHODUCTS-Continued.

| States and Territories. |  | products-continuod. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Castor oil. |  | Stearic acid candles. |  | Soaps. |  |
|  |  | Oleic acid soap. |  |  |
|  | The United States. |  |  | $\begin{gathered} \text { Gallons. } \\ 893,802 \end{gathered}$ |  | Pounds. $18,360,066$ | $\begin{aligned} & \text { Dolldars. } \\ & 2,281,600 \end{aligned}$ | Pounds. 33, 058,411 | $\begin{aligned} & \text { Dollars. } \\ & 1,707,969 \end{aligned}$ |
| 1 | Califormia | 50,000 | 45,000 | 2, 580,000 | 375, 000 | 2,135,000 | 94,300 |
| 3 | Conneeticut |  |  |  |  | 1,800 | 108 |
| 4 | Delawars District of Columbia |  |  |  |  |  |  |
| $\bigcirc$ | Florida. |  |  |  |  |  |  |
| ${ }_{8}^{7}$ | Geargia. | 192, 000 | 140,350 | 1,000, 000 | 130,000 | 1, 818,000 | 190,720 |
|  | Indiana... |  |  |  |  |  |  |
| 10 | Iота ................. |  |  |  |  |  |  |
|  | Kansas. | 13,000 | 10, 100 |  |  |  |  |
| $\begin{aligned} & 14 \\ & 13 \\ & 13 \end{aligned}$ | Kentuckr |  |  | 1,811, 920 | 206, 203 | 461,880 | 15, |
| 14 | Maino .... | -........ | - | - |  |  |  |
| 15 | Mamylami. |  |  |  |  | 140,000 | 0,890 |
| 10 | Mrasachusetts. |  |  |  |  | 10,000 | 600 |
| 18 | Minnesota. |  |  |  |  |  |  |
| ${ }_{20}^{19}$ | Missonri. | 436, 302 | 394, 041 | 2,200,000 | 284, 090 | 8,5i0,000 | 312,400 |
| 21232323242525 | Nevada |  |  |  |  |  |  |
|  | Now Hampshira | 200,000 | 200,000 |  |  |  |  |
|  | Newr York. | -0,00 | -0,00 | 940,000 | 150,000 | 1, 004,946 | 90, 224 |
|  | North Carolina..... |  |  |  |  |  |  |
| $\begin{aligned} & 26 \\ & 27 \\ & 28 \\ & 28 \\ & 29 \\ & 30 \end{aligned}$ | Ohio..... | 2,500 | 1,250 | 9, 815, 140 | 1,136,337 | 14, 089,619 | 710,356 |
|  | Pennsyrania |  |  |  |  |  |  |
|  | Rhode lisland .... |  | - |  |  | 270,000 | 10,800 |
|  | Souti Caraina ... |  | .-........ |  |  |  |  |
| 31 | Tennessec . |  |  |  |  |  |  |
| $\stackrel{3}{3}$ | Texas ......... | .......... |  |  | .......... |  |  |
| $3 \pm$ | Vermont... |  |  |  |  |  |  |
| 55 | Virginia .......... |  |  |  | ........... |  |  |
| 36 | West Virginia. |  |  |  |  |  |  |
| - | Washingtion ... |  |  |  |  |  |  |
|  | Wisconsin .... |  |  |  |  | 97, 200 | 5,103 |

for principal inäustries: 1880-Continued.

> 6.-CHEMICAL PRODUCTS-Continued.

| Products-continued. |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Soaps-continued. |  |  |  | Glycerine. |  | Nitro-glycerine. |  |  |
| Other hard soaps. |  | Soft soaps. |  |  |  |  |
| pounds. 878, 743, 627 | Dollars. $18,299,350$ | Pounds. $34,494,100$ | Dollars. 358, 280 | Pounds. 7, 117, 825. | Dollars. 961, 477 |  |  | Poucias. <br> 3, 039, 729 | Dollen!s. <br> 1, 830, 417 |  |
| 8,927,500 | 429,800 |  |  | 394, 800 | 28,736 | 1, 242,494 | 625, 680 |  |
| $1,860,000$ | 60, 000 |  |  |  |  |  |  |  |
| 2,620, 5384 | 188, 041 | 949, 408 | 11,327 |  |  |  |  |  |
| 742, 000 | 34, 000 |  |  |  |  |  |  |  |
| 1,400,679 | 55, 024 |  |  |  |  |  |  |  |
| 10,000 | 600 |  |  |  |  |  |  |  |
| $68,204,000$ | 3, 183,520 | 3,519,144 | 36,600 |  |  |  |  | 8 |
| 1, 808, 500 | 61, 587 | -6, 000 | 100 |  |  |  |  | 9 |
| 3,574, 085 | 177, 609 | 122, 710 | 2, 711 |  |  |  |  | 10 |
| $5,098,000$ | 150, 268 |  |  |  |  |  |  | 11 |
| 2,907,000 | 112, 800 |  |  | 220,964 | 24,625 |  |  | 12 |
| $3,970,000$ <br> 1,004 | 164, 000 |  |  |  |  |  |  | 13 |
| $1,044,000$ $8,178,000$ | 59,162 350,310 | 1,758,760 | 22,617 |  |  |  |  | 15 |
| 32, 991, 877 | 1,545,125 |  |  |  |  |  |  |  |
| $\xrightarrow{2}, 028,500$ | 1, 845,157 | 15, 145,520 | 1, 1 1532 |  |  | 80, 8000 | $\begin{aligned} & 54,000 \\ & 44,100 \end{aligned}$ | 16 17 |
| 2, 610,000 | 116, 900 |  |  |  |  |  |  | 18 |
| $16,537,869$ 623,1000 | 569, 563 | 250,000 | 2,750 | 400, 000 | 38,000 |  |  | 19 |
| 62, 000 | 26, 160 |  |  |  |  |  |  | 20 |
| 413,200 800,245 | 94,792 33,012 |  |  |  |  |  |  | 21 |
| 23, 002,200 | 1, ${ }^{3288,541}$ | 2, 173,256 $1,570,000$ | 37,86 6,430 |  |  | 454,'990 | 338, 037 | 23 |
| 95, 927, 571 | 4, $8 \times 2,497$ | 4,804, 510 | 60, 080 | 2, 190, 000 | 312, 000 | 72,000 | 54,000 | 24 |
| $\begin{aligned} & 30,700,404 \\ & 400,000 \end{aligned}$ | $\begin{array}{r} 1,495,505 \\ 24,000 \end{array}$ | 45,000 | 575 | 3, 912, 061 | 548, 116 | 577,473 | 259,883 | 26 27 |
| $39,433,197$ $8,367,540$ | 2, 219,580 | - $1,217,29$ | 8,078 |  |  | 522, 835 | 424,837 | 28 |
| $\begin{array}{r} 8,967,540 \\ 4,500 \end{array}$ | 440,270 3,400 | 736,360 | 7, 2 如 |  |  |  |  | $\stackrel{99}{30}$ |
| 1, 229, 030 | 48,000 | 24,000 | 300 |  |  |  |  | 31 |
| 010,000 608,100 | - 28,375 | 27,400 | 290 |  |  |  |  | 32 |
| 308,700 | 38, 30 | 89,600 | 1, 225 |  |  |  |  | 33 |
| 1,123, 000 | 52, 785 |  |  |  |  |  |  | 35 |
| $\begin{array}{r} 64,785 \\ 80,400 \end{array}$ | 4,630 4,800 | $\begin{aligned} & 832,000 \\ & 20,000 \end{aligned}$ | $\begin{aligned} & 3,120 \\ & 300 \end{aligned}$ |  |  |  |  | 36 |
| 0, 00i, 413 | 329,267 | 34, $3 \times 0$ | I, 054 |  |  |  |  | 38 |

Table LIV.-Manufactures: Special statistics
6.-CHEMICAL PRODUCTS-Continued.

for principal industries: 1880-Continued.
6.-CHEMICAL PRODUCTS-Continned.

| Provucrs-continued. |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Other salts of lead. |  | Ground barytes. |  | Zinc oxide. |  | Acetate of lime. |  |  |
| Pounds. <br> $11,375,466$ | $\begin{aligned} & D_{0} \text { ?lars. } \\ & 758,680 \end{aligned}$ | Tons. 19,165 | Dollars. 371, 829 | Pounds. $20,121,761$ | Dollars. 766,337 | Founds. $6,593,009$ | Dollers. 156, 892 |  |
| 100,000 | 65,000 |  |  |  |  |  |  | $\frac{1}{2}$ |
|  |  | 6,000 | 150,000 |  |  |  |  | 3 3 4 4 4 |
| .............. |  |  |  |  |  |  |  | 5 |
|  |  |  |  |  |  |  |  | 8 |
|  |  |  |  |  |  |  |  | 10 |
| 150,000 | 9,000 |  |  |  |  |  |  | 11 |
| ……- ${ }^{\text {a }}$ |  |  |  |  |  |  |  | 13 |
|  |  | 2,200 | 50,000 |  |  | 224, 000 | 6,720 | 15 |
| 627,474 | 40, 000 |  |  |  |  | $\begin{array}{r} 135,000 \\ 1,500,000 \end{array}$ | $\begin{array}{r} 3,500 \\ 30,000 \end{array}$ | 18 17 |
| 1,082, 000 | 71,100 | 4,425 | 100,094 | 660,000 | 29,700 |  |  | 18 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | ${ }^{21}$ |
| 5, 334, 360 | 292, 400 |  |  | 10,774, 756 | 654,051 | $\begin{array}{r} 80,000 \\ 3,171,544 \end{array}$ | $\begin{array}{r} 1,300 \\ 78,086 \end{array}$ | 23 24 24 |
| 345, 000 | 21,510 |  |  | $30,405$ | - 2,888 |  |  | 26 27 |
|  | 259, 205 | 1,500 | 20,000 | 2,056,600 | 79,698 | 1,280,000 | 30,650 | 28 |
| 8,81,03 | 28, | 1, | -,00 | -,00,00 |  | 45,000 | 2,250 | 29 30 |
|  |  | 465 | 10,685 |  |  |  |  | 31 |
|  | . |  |  |  |  |  |  | 33 |
|  |  |  | 41,050 |  |  | 177, 465 | 3,886. | 35 |
| 5,000 | 475 |  |  |  |  |  |  | 38 |
|  |  |  |  |  |  |  |  | 37 |
|  |  |  |  |  |  |  |  | 88 |

7100

Table LIV.-Manufactures: Special statistics
6.-CTEMICAL PRODUCTS-Comtimued.

|  | States and Territories. <br> The United States. | Provecrs-continued. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Potash and pearlash. |  | Soda. |  | Sulphur. |  |
|  |  | Pounds. <br> 4, 571, 671 | Dollars. 232, 643 | Pounds. $40,250,938$ | Dollets. 806,560 | Ponends. <br> $1,300,000$ | Dollars. 21,000 |
| 1 | Califormia.-..... |  |  |  |  |  |  |
| 2 | Colorado......... |  |  |  |  |  |  |
| 3 | Connecticat ..... |  |  |  |  |  |  |
| 4 | Delawrare . . . . . . . . |  |  |  |  |  |  |
| 5 | District of Columbia.. |  |  |  |  |  |  |
|  | Floxida.. |  |  |  |  |  |  |
| 7 | Georgia.................. |  |  |  |  |  |  |
| 8 | Inlinois ................... | 232, 500 | 11,625 |  |  |  |  |
| 10 | Jowa .....-.............. |  |  |  |  |  |  |
| 11 | Eansas. |  |  |  |  |  |  |
| 12 | Kentucky. |  |  |  |  |  |  |
| 13 | Louisiana. ............. |  |  |  |  |  |  |
| 14 | Maine. .. | 279, 209 | 14,010 |  |  |  |  |
| 16 | Masssachusetts. |  |  |  |  |  |  |
| 17 | Michigau................ | 2,393, 08 | 63,540 |  |  |  |  |
| 18 | Minnesata Missouri | 146,000 | 5, 840 |  |  |  |  |
| 20 | Nebraska................. |  |  |  |  |  |  |
| 21 | Neraila ................ |  |  | 1,800,000 | 10,500 | 1, 200,000 | 21,000 |
| 22 | New Hampshiro ...... |  |  |  |  |  |  |
| $\stackrel{23}{24}$ | Nemy Jersey <br> New York. | 515, 500 | 23,442 |  |  |  |  |
| 25 | North Carolina ......... |  | -3, 4 |  |  |  |  |
| 28 | Ohio... | 493, 299 | 20,761 |  |  |  |  |
| 27 | Orogon................. |  |  |  |  |  |  |
| 28 28 | Pennsylrania.......... |  |  | 38,400,938 | 850, 000 |  |  |
| 29 30 | Rhode Island .......... |  |  |  |  |  |  |
| 30 | South Carolina........ |  |  |  |  |  |  |
| 31 | Tennesseo. |  |  |  |  |  |  |
| 32 | Texas .................. |  |  |  |  |  |  |
| 33 | Utah ................... |  |  |  |  |  |  |
| 34 | Vermiont.............. |  |  |  |  |  |  |
| 35 | Virginia................ |  |  |  |  |  |  |
| 36 | West Virginia........ |  |  |  |  |  |  |
| 37 | Washington |  |  |  |  |  |  |
| 38 | Wisconsin.- | 1,511, 181 | 94, 420 |  |  |  |  |

for principal industries: 1880-Continued.
6.-CAEMICAL PRODUCTS-Continued.


Table LIV．－Manafactures：Spocial statistice COKE（see page 1208）．
7．－SPECIFIC COTTON MANUFACTURES．

|  | States and Territories． |  | $\begin{aligned} & \text { 䨚 } \\ & \text { E } \\ & \hline \end{aligned}$ | 突 | 良 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | The United States． | $\begin{gathered} \mathrm{NO}_{7} \\ 756 \end{gathered}$ | Dollats． <br> $208,280,340$ | $\stackrel{\text { No. }}{10,6 \overline{0}, 435}$ | $\stackrel{\text { No. }}{\substack{225, 2059}}$ |  |
| 1 | Alabrma．． | 16 | 1，246，500 | 40，432 | 863 | 11 |
| 2 | Arkansas． | 2 | 75， 000 | 2，015 | 28 | 10 |
| 3 | Comnecticut | 82 | 20，310，500 | 930，376 | 18， 261 | 37 |
| 4 | Delaware．．．． | 8 | 874,570 11,000 | 46，188 | 823 | 90 |
| 6 | Georgia． | 40 | $6,348,657$ | 198，656 | 4，493 | 14 |
| 7 | Ilinois．． | 3 | －240， 000 | 4， 860 | 24 | 8 |
| 8 | Indiana．． | 4 | 1， 0900,000 | 33， 396 | 776 | 15 |
| 10 | Konisiaga．．． | 3 | 360,000 195,000 | 9，022 | 73 120 | ${ }_{8}^{8}$ |
| 11 | Mraino．－ | 24 | 15，292， 078 | 695， 924 | 15，971 | 24 |
| 12 | Maryland．．．．． | 19 | 4，600， 816 | 125， 706 | 2，425 | 10 |
| 13 | Massaehusotts | 175 | 72，291， 601 | 4，236，084 | 95， 321 | 28 |
| 14 | Michigan． | 1 | 20， 000 | 5.100 | 131 | 20 |
| 15 | Minuesota． | ］ | 5，000 | 1，708 | 24 |  |
| 10 | Mississippi ．．．．． | 8 | 1，122， 140 | 18，568 | 644 | 12 |
| 18 | Missonri．．．．．．．．． | 3 | 890000 10870 | 19，312 | 431 | 12 |
| 19 | Now Hampshire | 36 17 | $\begin{array}{r}10,877,084 \\ 3,807 \\ \hline 1850\end{array}$ | 944， 083 | 24, 3 3.180 | $\underline{26}$ |
| 20 | New York．． | 36 | 11， 390,638 | 561， 6 \％ | 12，403 | 33 |
| 21 | North Carolina | 49 | 2，855，800 | 02，385 | 1，790 | 14 |
| 22 | Ohio ．－．．．．．．． | 4 | 670，000 | 13，328 | 42 | 8 |
| 23 | Pennsylvania | 59 | 10，331， 985 | 425，391 | 8，488 | 17 |
| 24 | Thorle Island． | 115 | 28， 047,331 | 1，704， 6.99 | 29， 669 | 36 |
| 25 | South Carolina． | 14 | 2，776，100 | 82， 334 | 1，676 | 11 |
| 26 | Tenuessoe． | 10 | 1，145，600 | 35，736 | 818 | 13 |
| ${ }^{2} 8$ | Teras．．．．．．． | $\stackrel{2}{2}$ | 50， 000 | 2， 648 | 71 | 8 |
| 29 | Vermont． | $\frac{1}{7}$ |  | 55.431 | 14 | 11 |
| 30 | Virginia． | 8 | 1，190，100 | 44， 340 | 1，180 | $\stackrel{10}{10}$ |
| 1 | Wisconsin | 1 | 200，000 | 10，000 | 400 | 19 |

COTTON MANUFACTURES ：SPECIAL MILLS．
［See Remarks on page 980．］

| Statos． |  |  |  | 管 |  |  |  | 产 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| The Orited States． | No． | Dollars． $11,204,448$ | $\begin{gathered} N o . \\ 00,242 \end{gathered}$ | $\begin{gathered} N 0 \\ 4,025 \end{gathered}$ | $\begin{gathered} \text { No. } \\ 12,928 \end{gathered}$ | Dollars． <br> $3,573,909$ | $\begin{aligned} & \text { Bales. } \\ & 40,507 \end{aligned}$ | Dollars． 2，338，385 | Dollars． <br> a $18,804,970$ |

$a$ The excess of valuo of product above ordinary manufactures of cotion is to be atributod mainly to the fact that the cottou usod forms but a small part of the material in many cases．
for principal industries: 1880-Continued.
COKE (sce page 1209).
7.-SPECIFIC COTTON MANUFACTURES.

| AYRrage number of hands employmd. |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Operatives and ofleers. | Operatives. |  |  |  | Mechanites, watohmen, and laborers. |  | Offeers and clerks. |  |  |  |  |  |
|  | Male. |  | Female. |  | Male. |  | Male. |  | Female. |  |  |  |
|  |  | $\begin{aligned} & \text { E. } \\ & \text { B } \\ & \text { B } \\ & \text { E } \end{aligned}$ |  | $\begin{aligned} & \stackrel{10}{E} \\ & \stackrel{\rightharpoonup}{E} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ |  |  |  |  |  |  |  |  |
| a 174, 059 | 49,748 | 15,042 | 81,539 | 13,213 | 9,937 | 65 | 2,075 | 17 | 10 | 4 | Dollars. 49, 040, 510 |  |
| 1,490 | 299 | 108 | 631 | 235 | 85 |  | 42 |  |  |  | 239, 098 |  |
|  | 13 | 13 | 17 | 14 | 4 |  | 4 |  |  |  | 7,339 |  |
| 14, 739 | 5, 363 | 1,078 | 5,434 | 1,231 | 71 | 7 | 234 | 6 | 11 | 4 | 3, 639, 639 |  |
| 797 33 | +210 | 109 | 302 | 83 | 27 |  | ${ }_{6}^{6}$ |  |  |  | 192, 727 |  |
| 6,340 | 1,437 | 655 | 2, 951 | 748 | 416 | 8 | 134 |  |  |  | 1,135, 184 |  |
| 237 | 1, 51 | 44 | 28 | 38 | 9 |  | 0 |  | 1 |  | 47, 885 |  |
| 721 | 151 | 60 | 391 | 64 | 42 | .... | 12 |  |  |  | 162, 829 |  |
| 352 | 104 | 72 | 91 | 61 | 20 |  | 4 |  |  |  | 63, 850 |  |
| 108 | 30 | 14 | 41 | 10 | - |  | 4 |  |  |  | 12,572 | 10 |
| 11, 864 | 3. 149 | 890 | 6, 481 | 600 | 709 |  | 104 | 1 |  |  | 2, 336,040 | 11 |
| 4,089 | 1,185 | 470 | 1, 877 | 463 | 191 |  | 44 |  |  |  | 766, 129 | 12 |
| 61,844 88 | 18,700 29 | 4,346 8 | 31, 4968 | 3,213 6 | 3,480 | i1 | 59 | $\cdots$ | 1 |  | $15,828,571$ 16,800 | 13 14 |
| 22 | 2 |  | 12 | $\stackrel{6}{6}$ | 2 |  |  |  |  |  | 6,400 | 15 |
| 722 | 132 | 85 | 313 | 120 | 44 | 1 | 27 |  |  |  | 138, 214 | 16 |
| 515 | 95 | 93 | 207 | 88 | 25 |  | 7 |  |  |  | 97, 680 | 17 |
| 16, 59 | 3, 917 | 8.8 | 0, 598 | 889 | 1,184 |  | 131 | 1 | 2 |  | 4, 290, 960 | 18 |
| 4.929 | $\frac{1}{2}, 006$ | 374 | 2, 291 | 329 | 174 | 5 | 43 |  |  |  | 1,156, 061 | 19 |
| 9,305 | 2, 414 | 937 | 4,201 | 1,148 | 523 |  | 75 | 3 |  |  | 1,994, 755 | 20 |
| 3,343 | 657 | 304 | 1,727 | 429 | 107 | 8 | 111 |  |  |  |  | 21 |
| 484 | 106 | 20 | 1, 320 | 11 | 18 |  | 2 |  | 1 |  | 104, 500 | 23 |
| 9, 127 | 2, 016 | 1, 104 | 4. 454 | 971 | 421 | 11 | 74 | 1 | 3 |  | 2, 202,688 | 2 |
| 21,474 2,023 | 6, 600 | 2, 244 | 9, 199 | 1,683 | 1,355 | 3 | 299 | 1 |  |  | $\begin{array}{r}5,3 \cup 0,303 \\ 380 \\ \hline\end{array}$ | 24 |
| 2,053 | 503 | 248 | 772 | 437 | 158 |  | 35 |  |  |  | 380, 844 | 25 |
| 1, 644 | 214 | 94 | 502 | 129 | 69 | 7 | 28 | 1 |  |  | 161, 071 | 28 |
| 71 90 | 33 | 7 | 10 | 4 | 7 |  | 5 |  |  |  | 2,486 2 2 | 27 <br> 28 |
| $\begin{array}{r}29 \\ 735 \\ \hline 73\end{array}$ | 12 176 | 8 | 88888 | 4 87 | 4 24 24 |  | 14 |  |  |  | 2,100 101,748 | 28 29 |
| 1,119 | $23 \overline{5}$ | 146 | 530 | 135 | 39 |  | 27 |  |  |  | 169,789 | 30 |
| 271 | 53 | 34 | 149 | 22 | 8 |  | 5 |  |  |  | 67, 209 | 31. |

$a$ From this number deduct 2,115 offcers and clerks whose salaries are not computed in wages. This leaves a total oi 172,544 oporativos, of which 59,685 aro men, 15,107 boys, 84,539 women, and 13,213 ginls.

Table MiV.-Manufaotures: Special statistics

## 7.-gPecific COTTON MANUFACTURES-Continued.


for principal industries: 1880-Continued.
7.-SPECIFIC COTTON MANUFACTURES-Continued.

| Matmanism-cont'd. | pronuers. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Total value of all materials. | Goods manufactared. |  | Total value of all prod. acts. |  |
|  | Pounds. | Yards. |  |  |
| Dutlars. 102, 2016, 34 | a607, 204, 241 | a2, 273, 278,025 | Dolle $192,090,110$ 192, |  |
| 783,711, | 6, 154, 470 | 9, 957, 519 | 1, 228, 019 | 1 |
| 8,023, 123 | 42, 2585,517 | 173, 384,667 | 50,040 $16,099,771$ | 2 |
| 8, 597.208 | 2, 867,609 | 8, 044,028 | 871, 007 25,000 | 5 |
| 18, 065 | 124,000 |  |  | 5 |
| 4, 019, 683 | 27,733, 153 | 60, 540,712 | 6, 481,804 | 8 |
| 142, 183 | 5, 917, 28.50 | 11,060, 887 | I, 155, 029 | 8 |
| c5, 818 | 1, 722,500 | 749, 530 | 418,886 80,776 | 10 |
|  |  |  |  |  |
| $7,200,1,50$ $2,807,03$ |  | $144,363,675$ $29,53,807$ | 4, 4 , 682,114 | 12 |
| 23, 404,109 | 219,160, 105 | 971, 118,284 | 72, 289, 718 | 13 14 |
| 41, 000 | -220, 000 | 1,000,000 | 70,600 40,000 | 15 |
| 30, 060 | - 160, 000 | ... |  |  |
| 337, 149 | 2,481, 022 | 0. 163,916 | 679,093 592,980 | 16 |
| 10 376,081 | 2, 200, 027 |  | 17, $952,403$. | 18 |
| $10,146,604$ $2,018,175$ 4, | $63,881,540$ 8,275 260 | $244,145,583$ $32,980,737$ | 17,936, 4 4, 548 | 19 |
| 4, 652,745 | 25, 640,456 | 130, 336 , 871 | 8, 260, 836 | 20 |
| 1, 108,645 | 9, 646,380 | 15,027, 745 | 2,554, 482 | 21 |
| 6, 286,692 |  |  | 11, 021,054 | ${ }^{23}$ |
| $6,105,700$ $12,291,437$ | $34,457,323$ $00,905,642$ | -82, $2446,35,613$ | 22, 8751511 | 24 |
| 1, 808, 300 | 12, 251, 272 | 29, 982, 440 | 2, 895,769 | 25 |
|  |  | $0,800,681$ | 874,717 | 26 |
| 14, 827 | - 090880 | 42, 000 | 21, 600 | 27 |
| 8, 472 | 13, 120 | -5,603 | 7,937 | 28 |
| 6040, 307 | 2,159,108 | 16, 166, 245 | $\begin{array}{r}855,864 \\ \hline 1040,962\end{array}$ | 38 |
| 640,301 | 4, 339,476 | 15,704, 120 | 1,040, 962 | 30 |
| 184, 556 | 1,314, 864 | 5,180, 014 | 328, 389 | 31 |

$a$ In the consideration of the footings of the aggregato rards and pounds of cotton fabrics, whether considered by connties or br states, it must be remembered that while all specific cotton fabrics may be rated by the pound, it by no means follows that there will in all cases be si statement of yards to cor respond to that number of pounds, for the reason that very lange guantitics of yarn and thread are made which are sold by the pound, and nerer boucht or considered by the unit of the fard. Hence the footing of pounds may bo considered as the resultant of the use of the giver quantity of cotton; the footing of yards merely of that part of the cotion manufacture which is woven and sold by the measure of the yard.

Tablai LIV.-Manufactures: Special statistics
8.-DYEING AND FINISHING TEXTILES.
[See Remarls on page 926.]

|  | States. |  | Capital. | AfErage number of aands EMILOYED. |  |  | Total emount paid in wages during the year. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Males above 16 years. | Females above 15 years. | Children and youths. |  |
|  | The United States.. | $\begin{aligned} & \text { No. } \\ & 191 \end{aligned}$ | Dollars. 26, 223, 981 | 12,788 | 2,038 | 1,872 | Dollars. 6,474, 364 |
| 1 | Connecticut | 2 | 230,000 | 242 | 34 | 28 | 120, 270 |
| 2 | Georcia. | 1 | 3,000 | 4 | 1 |  | 1,400 |
| 3 | mlinois. | 11 | 69,850 | 72 | 13 | 7 | 46,519 |
| 4 | Indinur. | 5 | 4,400 | 15 | 24 |  | 12,100 |
| 5 | Kentucky....-.......... | 2 | 5,000 | 3 | 3 |  | 1,716 |
| 6 | Maine ................. | 4 | 593,500 | 594 | 45 | 41 | 166, 619 |
| 7 | Massachusetts......... | 28 | 8,612,500 | 3, 953 | 562 | 430 | 1, 815,431 |
| 8 | Missouri..... | 3 | 16,000 | 14 | 5 | 4 | 77,500 |
| 9 | New Hampshirs | 4 | 2, 987,085 | 637 | 111 | 100 | 372, 873 |
| 10 | Now Jersey...... | 18 | 1, 473, 000 | 1,788 | 249 | 161 | 925, 612 |
| 11 | New York ............. | 29 | 2,343,000 | 1.359 | 300 | 270 | 842,387 |
| 12 | Ohio .................... | 7 | 58,300 | 27 | 13 | 3 | 20,401 |
| 13 | Pennsylvaniz............. | 60 | 3, 884, 848 | 1,926 | 248 | 424 | 1, 041,309 |
| 14 | Fhode Island ......... | 16 | 5, 912,500 | 2,146 | 430 | 400 | 1, 093,727 |
| 15 | West Virgiria....... | 1 | 30,000 | 8 |  |  | 6, 500 |

9.-FELT GOODS.

for principal industries: 1880-Continued.
8.-DYEING AND FINISHING TEXTILES.
[See Remarks on page 026.]

9.-FELT GOODS.

| Materials. |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | $\begin{gathered} \stackrel{\Phi}{\Xi} \\ \stackrel{\rightharpoonup}{c} \\ \hline 1 \end{gathered}$ | $\begin{aligned} & \text { Hair of otlier ani- } \\ & \text { mals consumed. } \end{aligned}$ |  |  | $\xrightarrow[\text { ¢ }]{\substack{\text { ¢ }}}$ |  |
| Pounds. 709, 007 | Pounds. $4,204,806$ |  | Dollars. | Ibs. 70,000 | Doils. | L23s. | Dotls. | Ponends. $1,657,000$ | Dolls. | Pounds. | Dollars. 114,660 |  |
| 87,177 40,000 | 365,781 30,000 | 436,890 54,000 | 224,496 05,000 | 5,000 | 1,000 |  |  |  |  | 12,000 | 1,400 | 1 |
| 340,000 | 2,056,000 | 1, 321, 000 | 690, 500 | 65,000 | 6, 5004 | 42,000 | 2,64.0 | 400,000 | 6,500 | 718,000 | 69,710 | 3 |
| 20,000 | 20,000 | 30,000 | 20,000 |  |  |  |  |  |  |  |  | 4 |
| 131,440 | 906,000 | 478,400 | 365,450 |  |  | 20, 000 | 3,200 | 944,000 | 27,010 | 271, 000 | 21,890 | 5 |
| 90, 450 | 77,025 750,000 | 118,500 300,000 | 88,435 200,000 |  |  |  |  | 253, 000 | 6,500 | 130,500 50,000 | 15,660 6,000 | 6 |
|  |  |  |  |  | RODUCT |  |  |  |  |  |  |  |
|  |  |  |  | \% |  |  |  |  |  |  |  |  |
| Dollars. | Fds. | $F d s$ | ds. |  | Fds. | $\boldsymbol{F} d s$ | $F d s$ | Y ds. | $5 d s$. | Feet. | Dollars. |  |
| 3, 019,652 | 275, 000 | $336,1603,09$ | 3,6001, 68 | 8, 880 | 6.43, 485 | $5665,800$ | $1023,500$ | 205, 205 | 60, 970 | , 202, 950, | 258, 084 |  |
| $495,490$ |  | 33, 369 $\ldots$ | .... 29 | 880 | 203,280 |  |  |  |  |  |  | 1 |
| $1 \pm 0,6001$ | - | 16, 000, | $\cdots$ |  |  | . 61,00 | 4,500 | 23, 000 | 4,000 |  |  | 2 |
| $\left[\begin{array}{r} 1,637,320 \\ 60,000 \end{array}\right.$ | 275,000 | 286, 8001,26 | 8,0001, 25 | 1,000 | 420, 000 | P...... | .15,000 | 68,000 | 6, 400 | 600,000 | $\begin{aligned} & 61,000 \\ & 60,100 \end{aligned}$ | 3 4 |
| 685, 386 |  | . 65 | 0,610 ${ }^{14}$ | 6,000 | 54, 680 | 1, 1,800 | $04_{1} 000$ | 214, 208 | 14,579 | $47 \overline{5}, 700$ | 9:8,015 | 5 |
| 257,450 450,000 | - . . . . | . 1,00 | 4,990, |  | $\begin{gathered} 14,52 \\ 950,001 \end{gathered}$ |  |  |  | 36,000 | 187, 200 | 51,065 | 0 7 |

Table LIV,-Manufuctures: Special statistics
10.-FLOURING-AND GRIST-MILL PRODUCTS.

|  | States and Territories. |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | The Dnited States... | $\underset{24,}{\mathrm{No}} \underset{ }{238}$ | Dollars. <br> 177, 361, 878 | 58, 239 | 42 | 120 | Dollars. <br> 17, 422, 316 | $\stackrel{\text { No. }}{59,612}$ | Bushels. <br> $4,730,106$ |
|  | Alabama. | 807 | 1, 803,514 | 1,337 | 4 | 25 | 211, 243 | 1,188 | 78, 302 |
| 2 | Arizona. | 8 | 04, 000 | 27 |  |  | 9,615 | 13 | 1,120 |
| 3 | Arknasas | 350 | 810, 915 | 740 |  | 4 | 97, 614 | 529 | 52, 453 |
| 4 | California | 150 | 4,303, 285 | 87 | 4 | 7 | 514, 602 | 455 | 58,671 |
| 5 | Colorndo | 34 | 496,500 | 193 |  |  | 94, 351 | 116 | 11, 982 |
| 6 | Connecticat | 234 | 1,092, 824 | 361 |  |  | 117, 722 | 483 | 43, 037 |
| 7 | Dakata | 30 | 301, 665 | 86 |  |  | 37, 372 | 79 | 7,482 |
| 8 | Delarrare | 81 | 761, 015 | 219 |  | 1 | 72, 231 | 231 | 11,963 |
| 9 | District of Columbia.. | 9 | 230,400 | 40 |  |  | 21, 508 | 45 | 4, 650 |
| 10 | Florida .-.............. | 94 | 294, 655 | 140 | 2 | -.... | 22, 257 | 102 | 8,860 |
| 11 | Georgia | 1,132 | 3, 576,301 | 1,823 | 4 | 18 | 327, 602 | 1,993 | 118, 067 |
| 12 | Idaho.. | 16 | 287, 000 |  | 2 |  | 16, 155 | 34 | 5,895 |
| 13 | Ilinois | 1,024 | 13, 579, 680 | 4,950 | 7 | 3 | 1, 868, 124 | 3, 192 | 358, 858 |
| 14 | Indiana | 996 | 9, 484, 023 | 3,146 |  | 13 | 989, 087 | 2, 916 | 222, 827 |
| 15 | Iowa. | 713 | 7, 890, 859 | 2,146 |  | 1 | 748, 045 | 2,121 | 194, 014 |
| 16 | Kansas | 320 | 3, 935, 828 | 1,329 |  | 3 | 520, 300 | 900 | 99,907 |
| 17. | Kentucls | 652 | 3, 685,759 | 1,478 | - | 7 | 336, 413 | 1,386 | 127, 171 |
| 18 | Lonisiana | 84 | 176, 380 | 107 |  | ...... | 22, 245 | 100 | 11, 042 |
| 19 | Maine.- | 261 | 993,500 | 385 |  |  | 109, 889 | 643 | 59, 342 |
| 20 | Maryland.............. | 540 | 3, 145,520 | 808 |  |  | 219, 705 | 1,407 | 68,873 |
| 21 | Massachusett | 350 | 2, 880,365 | 683 | 2 | 1 | 200, 070 | 649 | 103, 526 |
| 22 | Michigan. | 700 | 7, 704, 464 | 2,254 | ... | 1 | 726, 289 | 2,002 | 201, 450 |
| 23 | Minnesota | 436 | 10,510, 368 | 2, 63 |  |  | 1,371, 646 |  | 206, 496 |
| 24 | Mississippi ........... | 525 | 789, 950 | 818 |  |  | 1.96, 423 | , 643 | 64, 208 |
| 25 | Missouri............... | 872 | 7,883, 675 | 3, 375 | ... | 1 | 1, 200, 493 | 2,183 | 242,276 |
| 26 | Montana. | 15 | 159,500 | 52 |  |  | 25,765 | 31 | 2,945 |
| 27 | Nebraska | 170 | 1, 615,070 | 506 |  |  | 165, 085 | 457 | 41,751 |
| 28 | Nerada....-.......... | 1 | 163, 000 | 31 |  |  | 9,975 | 15 | 1,315 |
| 29 | New Hampshire .....- | 181 | 712,555 | 253 |  |  | 78,284 | 400 | 41, 818 |
| 30 | New Jersey ........... | 481 | 3, 879,083 | 934 | ... | 2 | 285, 620 | 1,332 | 80, 046 |
| 31 | New Mexico. | 51 | 249,250 | 134 |  |  | 35, 416 | 87 | 5,019 |
| 32 | New York. | 1,768 | 19,545, 994 | 4,984 | 10 | 10 | 1, 557, 809 | 5,299 | 536,762 |
| 33 | North Camolina | 1,313 | 3, 218, 053 | 1, 344 | .- |  | 237, 777 | 2,421 | 104, 110 |
| 3.1 | Onio | 1, 380 | 12, 328, 847 | 3,874 |  | 1 | I, 221,494 | 4, 149 | 292, 672 |
| 35 | Oregon | 106 | 1,286,200 | 307 |  |  | 139, 883 | 203 | 31,505 |
| 36 | Pemasylvania | 2,873 | 20, 228,601 | 4, 459 | 1 | 11 | 1, 105, 939 | 8, 234 | 376, 717 |
| 37 | Phode Island | 48 | 579, 600 | 105 |  |  | 46,870 | 76 | 11,706 |
| 33 | South Carolina | 720 | 1, 339, 209 | 1,048 | 1 | 3 | 139, 352 | 1,119 | 58,616 |
| 39 | Tennesseb | 490. | 3, 5050585 | 1,847 |  | ${ }_{6}^{2}$ | 376,809 | 1, 924 | 138,426 |
| 40 | Texas.. | $02{ }^{-}$ | 3, 082, 952 | 2,602 | 1 | 6 | 368, 683 | 1,417 | 146, 629 |
| 41 | Utah. | 85 | 595, 050 | 157 |  |  | 50, 557 | 158 | 0,622 |
| 42 | $\checkmark$-rmont | 227 | 1, 152, 461 | 331 |  |  | 81,589 | 587 | 60, 618 |
| 43 | Virginia | 1,885 | 5, 791,187 | 2, 200 | 3 | 2 | 409, 639 | 2,969 | 144,780 |
| 44 | Washington |  | -42,300 | 23 |  |  | 7,125 | 15 | 1,005 |
| 45 | West Yirginia | 472 | 1,777, 207 | 72 | 1 | 1 | 140,508 | 989 | 51, 512 |
| 46 | Wisconsin | 705 1 | $\begin{array}{r} 9,199,735 \\ 7,000 \end{array}$ | 2,418 3 |  | 3 | 861,302 150 | 2,292 | 225,405 150 |

for principal industries: 1880-Continued.
10. - FLOURING- AND GRIST-MILL PRODUCTS.


Table LIV.-Manufactures : Special statistics
GLASS (see page 1208).
11.-HOSIERY AND KNIT GOODS.

for principal industries: 1880-Continued.
GLASS (seo page 1209).
11.-HOSIERY AND mNIT GOODS.


Table LIV.-Ifanufactures: Special statistics
11.-HOSIERY AND KNIT GOODS-Continued.

for principal industries: 1880-Continued.
11.-HOSIERY AND KNIT GOODS-Continued.


Table LIV.-Mamafaciures: Special statiatics

## 12.-IRON AND STEEL: A-AGGREGATE OR THE IRON AND STEEL

[Seo remarks on page 926.]

|  | States and Territories. |  | 悪 | Aydrage number of havds emsi'LOYED. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Males below 16 years. |  |  |
|  | The United States.. | No. $1,005$ | Dollars. 230, 971, 834 | 133, 203 | 7,709 | 45 | 21 |
| 1 | Alabama. | 14 | 3, 302, 196 | 1,581 | 45 |  |  |
| 2 | California. | 1 | $1,000,000$ | 284 | 35 |  |  |
| 3 | Colorado. | 1 | 100,000 | 125 |  |  |  |
| 4 | Connecticat | 19 | 2, 685, 000 | 683 | 22 |  |  |
| 5 | Delaware | 9 | 1, 431,409 | 818 | 49 | ... | ..... |
| 6. | District of Columbia . | 1 | 89,009 | 18 |  |  |  |
| 7 | Georgia. | 14 | 1,135,900 | 1, 250 | 37 |  |  |
| 8 | Illinois | 21 | $6,450,620$ | 4,887 | 366 |  |  |
| 9 | Indiana. | 12 | 2,283,000 | 1, 883 | 165 |  |  |
| 10 | Бапвas | 2 | 450,000 | 570 | 60 |  | -.... |
| 11 | Kentacky | 29 | $5,493,085$ | 3,831 | 264 | ....- | ...... |
| 12 | Maine... | 3 | 450,000 | 683 | 17 | -.... | ..... |
| 13 | Maryland. | 23 | 4,902, 125 | 2,650 | 107 | ..... | ---. |
| 14 | Massachusetts. | 30 | 6, 733, 408 | 6,367 | 125 | 21 | ....- |
| 15 | Michigan .......... | 22 | 4,175,386 | 3, 054 | 35 | ..... | ...... |
| 10 | Minnesota ( $\alpha$ ). | 1 | 150,000 | 180 |  |  |  |
| 17 | Missouri. | 22 | 0,152,472 | 2, 089 | 150 |  |  |
| 18 | Nebraska. | 1 | 100, 000 | 90 | 10 | ....- |  |
| 19 | New Hampshire. | 2 | 650,000 | 239 | 1 |  |  |
| 20 | New Jersey. | 40 | 9, 099,050 | 4,711 | 81 |  |  |
| 21 | Now York | 89 | 21,543, 221 | 10,697 | 747 |  |  |
| 22 | North Carolina | 20 | 759,400 | 63 |  |  |  |
| 33 | Ohio. | 134 | 25, 141,294 | 18,885 | 1, 171 | ..... | 15 |
| 24 | Oregon .... | 1 | 100,000 | 947 | 3 |  |  |
| 25 | Peunsylvania. | 360 | 107, 304, 782 | 54, 637 | 3,997 | 12 | 6 |
| 20 | Rhode Island | 3 | 630,000 | 200 | 75 |  |  |
| 27 | Tennessee | 43 | 3,681,776 | 2,753 | 309 | 10 | ...... |
| 28 | Texas | 1 | 40,000 | 140 |  |  |  |
| 29 | Utall (b) | 3 | 150,000 |  |  |  |  |
| 30 | Yermont. | 4 | 410,000 | 190 | 1 |  |  |
| 31 | Virginia ............ | 44 | 4,329,723 | 2, 399 | 121 | 2 |  |
| 32 | West Virginia | 20 | 3,913,616 | 3,730 | 341 |  |  |
| 23 | Wisconsin | 9 | 2, $8+3,218$ | 2,088 | 65 |  |  |
| 31 | Wyoming. | 1 | 212,603 | 174 | 10 |  |  |

for principal industries: 1880-Continned.
manufacture of the united srates, by states.
[See remarte on pages se0.]

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Dollara. $55,476,785$ | Dollw. 191, 271,150 | Pons. $7,205,140$ | Dollard. 296, 557, 685 |  |
| 571, 718 | 601,073 | 02, 980 | 1, 452,805 |  |
| 177, 720 | 535, 500 | 14,000 | 780, 000 | 2 |
| 7,000 | 131,700 | 4, 500 | 225, 000 | 3 |
| 331, 184 | 1,341,285 | 38,061 | 1, 998,698 | 4 |
| 344,470 | 1,214,050 | 33,918 | 2,347,177 | 5 |
| 7,528 | 2,284 | 204 | 10,970 | 0 |
| 185, 489 | 631,707 | 35, 122 | 990,850 | 7 |
| 2, 50, 718 | 14,977,145 | 417,007 | 20, 545,289 | 8 |
| 804, 921 | 3,293,073 | 90, 117 | 4,551,403 | 9 |
| 156,550 | 734,245 | 19,055 | 1, 044,100 | 10 |
| 1,344, 400 | 3,203,709 | 123,751 | 5,090,029 | 11 |
| 141, 434 | 380, 511 | 10, 866 | 583, 328 | 12 |
| 90\%, 090 | 2, 888, 524 | 110,934 | 4, 470,050 | 13 |
| 2,576,539 | B, 0572023 | 141,301 | 10,288, 021 | 14 |
| 929,597 | 3,270, 420 | 142, 716 | 4,501,613 | 15 |
| 25, 270 |  |  |  | 16 |
| 734, 575 | 3,240,558 | 125,753 | 4, 660,530 | 17 |
| 51, 000 | 12: 500 | 2,000 | 82, 000 | 13 |
| 127, 690 | 523,355 | 7,978 | 807, 340 | 19 |
| 1, 808,488 | $6,500,283$ | 243, 860 | 10,312, 836 | < 0 |
| 4,000, 451 | 13, 395, 229 | 508, 300 | 22, 319,219 | 2i |
| 7,907 | 11,702 | $4 \%$ | 41,085 | 2 |
| 3, 365,070 | 24, 197, 615 | 020, 141 | 34, 218,380 | 3 |
| 46, 8.42 | - 33.45 | 3,900 | 78,393 | 4 |
| $25,655,850$ | 92, 207, 020 | 3, 610.068 | 145, 510.958 | 5 |
| 180,960 | 355,347 | S, 134 | 488, 040 | 6 |
| 6009773 | 1,350,059 | 77, 100 | 2, 274,203 | 7 |
| 27,723 | 23, 585 | 1,400 | 30,000 | 8 |
|  |  |  |  |  |
| 50, 035 | 240, 5010 | 0,020 | 332,303 | 0 |
| 605, 432 | 1,496, 151 | 55,722 | 2, 585,903 | 1 |
| 1,541,816 | 3,485,625 | 187, 487 | ¢, 051,032 3 |  |
| 1,004, 931 | 3, 80, 607 | 173, 3 35 | 0, $850,201 / 33$ |  |
| 79,850 | 4ibs, 568 | 6, 350 | 491,35:34 |  |

Table LIV.-Mfanfactures: Special statistics
12.-IRON AND STEEL: B-BLAST FURNACES.

a The furnaces in North Carolina and Utah were not in operation in the census yeas.
for principal industries: 1880-Continued.
12.-IRON AND STEEL: B-BTAST FURNACES.


Table LIV.-Manafactures: Special statistics
12.-IRON AND STEEL: B-BLAST FURNACES-Continued.

|  |  | Materials-continued. |  |  |  | Products. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States and Territories. |  | $\stackrel{\dot{8}}{\stackrel{y}{c}}$ |  |  | $\stackrel{\text { cuort }}{s!d} \text { qooxup } \ddagger \text { serq-pon }$ | 官 |  | $\stackrel{\text { ® }}{\text { ® }}$ |
|  | The United States. | Tons. 351, 048 | $\left\lvert\, \begin{aligned} & \text { Dollars. } \\ & 010,607 \end{aligned}\right.$ | Dollars. | Dollars. 58, 619, 742 | Tons. <br> 79, 613 | Dollars. <br> 2, 393, 175 | Tons. <br> 355,405 | Dollars. $10,080,581$ |
| 1 | Alabama. |  |  |  | 575,673, | 21, 057 | 521, 608 | 14,067 | 323,386 |
| 3 | Connecticu | 80 | 2, 000 |  | 477, 4676 |  | 32, 1488 |  |  |
| 4 | Tlinois |  |  |  | 1, 762, 609 |  |  |  |  |
| 5 | Indiana | 2,000 | 3, 900 |  | 335, 606 |  |  | 500 | 10,000 |
| 6 | Kentucky ............. | 29,594 | 37, 729 |  | 801, 410 | 899 | 27,952 | 17, 576 | 422,000 |
| 7 | Maine ................. | 52 |  |  | 23, 569. | 2, 015 |  |  |  |
| 8 | Maryland............. | 150 | 525 |  | 956, 806. | 1,250 | 53,500 | 20, 304 | 875, 94 |
|  | Massachusetts. |  |  |  | 169,026 |  |  | 5,140 | 3, ${ }^{168,789}$ |
| 10 | Michigan. |  |  | 150 | 2,091, 224. |  |  | 119,500 | 3,119, 835 |
| 11. | Minnesota. |  |  |  |  |  |  |  |  |
| 12 | Missouri. |  |  |  | 1,685, 124 |  |  | 19, 114 | 510,000 |
| 12. | New Jersey |  |  |  | 2, 455, 670 |  |  |  |  |
| 14. | New York............ | 194 | 2,020 | 175 | 4, 106, 622 | 4,470 | 203,500 | 17,007 | 599,344 |
| 15 | North Carolina .......- |  |  |  |  |  |  |  |  |
| 16 | Ohio .................... | 99, 669 | 282, 258 | 634 | 9, 119, 620 | 11, 816 | 345,753 | 41,158 | 1, 033, 561 |
| 17 | Oregon ........ |  |  |  | 33, 073 |  |  | 3,200 | 78,393 |
| 18 | Penasylvania | 156, 223 | 415, 132 | 38,500 | 29,675, 075 | 21, 941 | 700, 099 | 12, 204 | 418, 085 |
| 19 | Tennessee |  |  |  | 489, 440 | 1,825 | 53, 075 | 4, 650 | 134,100 |
| 20 | Texas. |  |  |  | 23,580 | 200 | 6,000 | 1,200 | 30,000 |
| 21 | Utain . |  |  |  |  |  |  |  |  |
| 22 | Vermont. |  |  |  | 13, 800 |  |  | 020 | 24, 800 |
| 23. | Virginia ... |  |  |  | 205, 548 | 6, 541 | 187, 025 | 2, 918 | 72, 930 |
| 24 | West Virginia ......... | 30, 380 | 86, 042 |  | 1, 158, 6114 | 116 | 5, 860 | 1,200 | 38, 400 |
| 25 | Wiscousin ............. | 35, 697 | 80,126 |  | 2, 101, 393, |  |  | 50, 652 | 1,601,100 |

a This is principally mill cinder,
for principal industries: 1850-Continued.
12.-IRON AND STEEL: B-BLAST FURNACES-Continued.

| mroducts-continued. |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\stackrel{\dot{0}}{\stackrel{\dot{\varepsilon}}{\tilde{\kappa}}}$ |  | $\xrightarrow{\text { ¢ }}$ |  | - |  |  |  |  |
| Tons. <br> $1,112,735$ | Dollars. | $\begin{gathered} \text { Tons. } \\ 1,515,107 \end{gathered}$ | Dollars. $35,431,0: 11$ | Tons. 713, 982 | Dollars. <br> 16,607,985 | $\left\lvert\, \begin{aligned} & \text { Tons } \\ & 4,229 \end{aligned}\right.$ | $\left\{\begin{array}{l} \text { Dolls. } \\ 140,236 \end{array}\right.$ | $\begin{gathered} \text { Dollars: } \\ 11,111,5 E 9 \end{gathered}$ | $\begin{aligned} & \text { Tons. } \\ & 3,781,021 \end{aligned}$ | Dollars. $80,315,560$ |  |
|  |  | 27, 212 | 551, 162 |  |  |  |  | 3,200 | 62,330 18,779 | 1, 405,356 |  |
|  |  | 16,300 | 311, 150 |  |  |  |  | 9,400 | 23,099 | 466, 830 |  |
|  |  | 38, 618 | 905,450 | 56,850 | 1,423,400 |  |  |  | 95, 468 | 2,391, 850 |  |
|  | , | 17,737 | 450,000 |  |  |  |  | 535 | 18,237 | 460,535 |  |
|  |  | 39,240 | 784, 800 |  |  | 93 | 4,800 | 8,500 | 58, 108 | 1, 248,652 | 6 |
| 2,500 | 64,500 | 3,490 | 83, 250 | 20,100 | 590, 000 | 20 | 1,000 | 12, 175 | 69, 664 | 1,700, 339 |  |
| 4,403 | 132,060 |  |  |  |  |  |  | 12,000 | 3,543 | 312, 810 | 9 |
|  |  |  |  |  |  | 86 | 3,410 | 21, 817 | 119, 086 | $3,140,002$ | 10 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 75, 036 | 1, 686,780 |  |  |  |  | 78,237 | 95, 050 | 2, 275, 017 | 12 |
| 172,980 | 3,243, 192 |  |  | 118,849 | 2, 649,45 | ${ }_{6} 2$ | 2, 1,860 | 118, 892 | 151, 308 | 6,816, 241 | 4 |
|  |  | 494, 727 | 11, 496, 297 |  |  | 1,011 | 32,675 | 129, 907 | 548,712 | , 038, 193 | 16 |
| 816, 400 | 17, 661,706 | 673, 836 | 16, 735, 001 | 2403,704 | 9,288, 958 | , 217 | 75, 579 | 633, 722 | 1, 030,311 | 45, 573, 750 | 18 |
|  |  | 41, 258 | 631, 757 |  |  | 140 | 6,000 | 15, 090 | 47, 873 | 840,022 | 19 |
|  |  |  |  |  |  |  |  |  | , | 36, 00 | 20 |
|  |  |  |  |  |  |  |  |  | 620 | 24,800 |  |
|  |  | 8,326 | 160,520 |  |  | 121 | 3,900 | 11,000 | 17,906 | 440, 695 | 23 |
|  |  | 78, 427 | 1,568,864 |  |  | 307 | 11,232 | 6, 800 | 83, 050 | 1, 631,096 | 24 |
|  |  |  |  | 67, 538 | 1, 688,455 | 92 | 4, 080 | 2,200 | 118, 282 | 3, 295, 835 | 25 |

[^2]2nme LIV-Manufactures: Special statistics
12.--IRON AND STETE: C-BLOONLARIES AND FORGES.

for principal industries : 1880-Continued.
12.-IRON AND STEEL: C-BLOOMARIES AND FORGES.


Table LIV.-Manafactures: Special statistics
12.-IRON AND STEEL: D-IRON ROLLING-MILLS.

|  |  |  | $\begin{aligned} & \text { 总 } \\ & \text { ت } \end{aligned}$ | AVBRACE NUMDER OFP. hands employed. |  |  |  |  | MACMNES. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States and Territories. |  |  |  | $\text { Males below } 16 \text { years. }$ |  | $\qquad$ |  |  |  |  |
|  | The United States. | $\begin{gathered} \mathrm{N}^{+} \\ 324 \end{gathered}$ | Dollers. <br> 89, 763,190 | 74, 423 | 5,060 | 32 | 21. | Dollars. 34, (44, 709 | $\mathrm{NO}_{\mathrm{O}}$ $300$ | $\begin{gathered} \text { No. } \\ a 4,39 \end{gathered}$ | $\begin{aligned} & \mathrm{No} \\ & 2,105 \end{aligned}$ |
| 1 | Alabama |  | 203, 000 | 50 | 10 |  |  | 18, 000 |  | 4 | 2 |
| 2 | California. | 1 | 1, 000, 0000 | 284 | 35 |  |  | 177, 722 |  | 3 | 18 |
| 3 | Colonado... | 1 | 100, 000 | 125. |  |  |  | 7, 000 |  |  | 5 |
| 4 | Connecticut | 8 | 855 | 483 | 18 |  |  | 210,468 | 5 | 175 | ${ }^{25}$ |
| 5 | Delawara | 9 | 1, 431,469 | 818 | 49 |  |  | 344, 476 | 5 | 635 | $33_{i}$ |
| 6 | District of Columbia . | 1 | 89,600 | 18. |  |  |  | 7,523 |  |  | 2 |
| 7 | Georgiz.. | 2 | 305, 000 | 473 | 25 |  |  | 102, 239 |  | 18 | $12^{2}$ |
| 8 | Ilinois.. | 8 | 2. 350,620 | 2,197 | 271 |  |  | 1, 0001,028 |  | 96 | 45 |
| 9 | Indiama. | 9 | 1, 828,000 | 1,590 | 150 |  |  | 814, 081 |  | 122 | 5 |
| 10 | Kansas | 2 | 450, 000 | 5 T 0 | 60 |  |  | 166, 500; |  |  | 17 |
| 11 | Kentacky | 8 | 2,765, 0100 | 1, 988 | 182 |  |  | 906, 912 | 25 | 115 | 5 |
| 12 | Maine -................ | 2 | 300, 0009 | 1383 | 17 |  |  | 26, 544 |  | 26 | 15 |
| 18 | Maryland...... | 5 | 2, 145, 006 | 1,180 | 64 |  |  | 340,974 |  | 96 | 5 |
| 14 | Massachusetts. | 22 | 5, 751, 408 | 5, 838 | 125 | 21 |  | 2, 343, 391. | 40 | 161 | $\begin{array}{r}183 \\ \hline 8\end{array}$ |
| 15 | Michigan .... | $\underline{5}$ | 671, 000 | 918 | 7 |  |  | 300,727 | 16 | 13 | 28 |
| 16 | Prissouri... | 6 | 1, 670, 000 | 794 | 61 |  |  | 339,846 | 9 | 35 | 38 |
| 18 | Nebraska..--.... | 1 | 100, cha | 98 | 10 |  |  | 50, 000 |  |  | 19 |
| 18 | Now Hampslire. Now Jorser | 14 | 4, 400,000 | 2.763 |  |  |  | 1 100,000 | ${ }^{7}$ | 125 | ${ }_{6} 9$ |
| 20 | Now York.... | 23 | \%,030, 000 | 4, 303 | 537 |  |  | 1, $2,87,319$ | 14 | 243 | 141 |
| 21 | Onio. | 44 | 9,210, 270 | 8, 572 | 679 |  | 15. | 5, 030, 552 | 26 | 6659 | $2 \mathrm{S1}$ |
| 22 | Pemnsylvania | 131 | 42, 060, 485 | $32,34 \cdot 2$ | 2, 620 | 10 | 6. | 15, 372, 943 | 132 | d2, 224 | 870 |
| 23 | Rhode Islaud | 2 | 550,040 | 2(ib) | 75 |  |  | 130,060 |  | 14 | 32 |
| 24 | Tenmesixe | 4 | 1,201, 0109 | 1,005 | 135 |  |  | 336, 786, |  | 49 | 18 |
| 25 | Utaik | 1 | 60, 000 |  |  |  |  |  |  |  |  |
| 26 | Fermont (e) |  |  |  |  |  |  |  |  |  |  |
| 27 | Tirgiria. | \% | 838, 000 | 1, 同, | 50 |  |  | 359,539 |  | 55 | 28 |
| 88 | West Virginia | 8 | 2,300, 101 | 2, 501 | 327 |  |  | 1,301, 658; |  | 170 | 31 |
| 9 | Visconsin --.......... | , | 700, 600 | 1, 535 | 65 |  |  | 647, 577 |  | 30 | 20 |
| 30 | W yoming....-......... | 1 | 212, 603 | 174 |  |  |  | 70, 650 |  |  | 10 |

a Excluding pudding machines, ant connting ench donble pudding furnace as two furnaces.
$b$ And 1 Sellers rotary pudding machine.
$c$ Andi 9 Danks puddmir madines.
$a$ And 10 Dantrs pudding machines.
$e$ The roling-mill fu Vermont is properly an opon-henth stoel works, and its statistics are incinded in the statistics of oucn-hearth steol works. It made a quantity of iron rails in the census year, how ever, which must be classed hore.
for principal industries：1880－Continued．
12．－IRON AND STEEL：D－IRON ROLLING－MILLS．

| machmiss－continued． |  |  |  | Materials． |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4 <br> 書 <br>  <br> 莡范 <br> ت ت ت | 8 E E H | ¢ |  | $\stackrel{\text { ® }}{\stackrel{\text { ® }}{5}}$ | 喿 | $\stackrel{\oplus}{\stackrel{\text { ® }}{\stackrel{\circ}{*}}}$ |  |
| No． 200 | $\begin{gathered} 2 \mathrm{No} \\ 1,200 \end{gathered}$ | No． 3，775 | Tons． <br> 16， 430 | Tons． <br> 363， 950 | Dollars． <br> 2， 700,187 | $\begin{gathered} \text { Tons. } \\ 1,574,693 \end{gathered}$ | Dollars． <br> $35,898,506$ | Tons． 708， 534 | Dotlars． <br> 20，701，090 |  |
|  |  |  | 100 | 150 | 600 | 600 | 15， 000 | 10， 000 | 250，000 | $\frac{1}{2}$ |
|  | 18 |  | 401 | 332 | 2，000 |  | 3.140 | 5， 750 | 110,000 22,080 | 3 4 4 |
|  | 28. |  | 141 | 3，235 | 20， 090 | 12，948 | 290，795 | 9，500 | 285，000 | 5 |
| 1 | 8 | 22 | 114 | 780 | 2，897 | 2，903 | 63，787 | 9， 128 | 217，04 | 7 |
| 2 | 2 F | 164 | 701 | 13，105 | 68， 470 | 41， 414 | 346， 067 | 95， 860 | 3，017，040 | 8 |
| 1 | 97 | 105 | 471 | 5，532 | 57， 227 | 28， 251 | 599，950 | 49， 221 | 1，672， 398 | 9 |
|  |  | ．．． | 255 |  |  |  |  | 20，700 | 633，000 | 10 |
| $\stackrel{\pi}{1}$ | 38 | 80 | 446 | 6，970 | 51，671 | 26，635 | 553， 076 | 20，800 | 589， 400 | 11 |
|  | 7 | 30 | 67 | 1，097 | 8，973 | 3， 227 | 86，763 | 4， 1992 | 127，150 | 12 |
| 5 | 25. |  | 285 | 3，885 | 22，930 | 26， 755 | 650，536 | 10，350 | 360,350 | 18 |
| 24 | 88 | 705 | 800 | 18，025 | 193， 137 | 48，623 | 1， 099,950 | 21， 855 | 6990,584 | 14 |
| 7 | 10. |  | 180 | 3，000 | 15，000 | 8，960 | 204， 000 | 9， 119 | 300， 16. | 15 |
| 11 | 10. |  | 176 | 873 | 9，900 | 2，775 | 59，870 | 1，200 | 49， 200 | 16 |
| 12 | 1 |  | 15. | ．．．．．．－ |  |  |  | 400 | 18，000 | 17 |
| 11 |  |  | 20 |  |  |  |  | 3，800 | 133，000 | 18 |
| 15 | 81 | 15 | 511 | 15， 4.55 | 89， 843 | 43，446 | 922，561 | 17， 380 | 480，905 | 19 |
|  | 81 | 45 | 950 | 43，962 | 160， 248 | 102， 494 | 1，980， 665 | 40， 899 | 1，374，333 | 20 |
| 32 | 183 | 420 | 2，493 | 50，791 | 460，208 | 237， 231 | 6，043， 088 | 85， 713 | 2，450， 640 | 21 |
| 84 | 515 | 1，259 | 7，189 | 178，074 | 1，469， 246 | 881， 008 | 19， 818,759 | 182， 229 | 5，213， 258 | 22 |
|  | 9 | 66 | 50 |  |  |  |  |  |  | 23 |
|  | 12. | 74 | 170 | 3，820 | 8，750 | 13， 100 | 273， 500 | 11， 960 | 303，526 | $\stackrel{34}{25}$ |
|  |  |  |  |  |  |  |  | 2，500 | 75，000 | 26 |
| 3 | 10 | 81 | 249 | 1，690 | 11， 671 | 11， 485 | 261， 031 | 27， 541 | $738,146^{\prime}$ | 27 |
|  | 29 | 305 | 382 | 13， 233 | 119， 682 | 64， 740 | 1，657，571 | 9，124 | 295， 198 | $\stackrel{28}{ }$ |
| 1 |  |  | 450 65 |  |  | 17， 220 | 358，400 | 35， 840 | 967，680 | 29 |
|  |  |  |  |  |  |  |  |  | 333， 508 | 30 |

Table LiV.-Manufictures: Special statistics
12.-IRON AND STEEY: D-IRON ROLIING-MIILS-Contimued.

a No value attached.
for principal industries: 1s80-Continned.
12.-IRON AND STEEL: D-IRON ROLLING-MILLS-Continned.

| mambrals-continged. |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ت | © |  | E |  | $\xrightarrow[\text { ¢ }]{\substack{\text { ¢ }}}$ | 等 | 9 |  |  |  |
| Ruskels. <br> - $2,509,756$ | Dollars. <br> 425,300 | Tons. 520, 126 | Dollar: $1,3 \overline{2}, 172$ | $\begin{gathered} \text { Tringe } \\ 3,915,3 \pi \end{gathered}$ | Dollars. <br> 9,047,054 | Tons. $14,834$ | Dolvars. 48, 589 | Dollars. <br> 1, 608, 830 | Dollars. 88, 277, 233 |  |
|  |  |  | …...... | $=-$ | $=-$ |  |  |  | 25, 400 |  |
|  |  | 500 | 5, 000 | 10,500 | 78,590 |  |  |  |  |  |
| 90, 000 | 0,000 |  | 18, 105 | 5, ${ }^{1800}$ | 80,000 |  |  |  | 131,700 | 3 |
| 65,139 | 5, 057 | 4,899 |  | 35,058 | $116,5 ; 0$ |  | -........ | 22,855 | 1,214, 050 |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 55,204 |  | 525 |  | 2, 264373,276 |  |
|  |  |  |  | 17,022 |  |  |  | 1,480 |  |  |
|  |  |  |  | 177, 280 |  |  |  | -3, 32808 | 4, 023.009 |  |
| 300 | 45 |  |  | 150,097 <br> 21.000 | 200, 890 |  | $1, \stackrel{250}{250}$ |  | 2, 9577,467 | 9 |
| 155, 000 | 13,683 |  | 1,450 | $10.4,848$11,173 | $238,216$ |  | $\begin{gathered} 1,250 \\ \ldots \end{gathered}$ | 66, 126 | 2, 404, 614 | 1. |
|  |  | 275 |  |  | 55, 865 |  |  | $\stackrel{\text { 2, }}{ }$, 565 | 356, 3421 |  |
|  |  | 25, 280 | 13, 600 | 75, 800 | 662, 177 | 20 | 40 | $\begin{array}{r} 15,200 \\ 538,830 \end{array}$ | 1, 829,042 13 |  |
| 581,736 50 | 40, 903 | 35, 450 | 157, 358 | 141,215 |  | $\begin{array}{r} 3,545 \\ 105 \\ 092 \end{array}$ | $\begin{array}{r} 10,410 \\ 588 \end{array} .$ |  | $\begin{aligned} & 4,879,149 \\ & 1,188,196 \\ & 1 \end{aligned}$ |  |
| 50, 000 | 3,750 | 167 |  | 45, 214 | 187,051 |  |  | 538, 830 |  |  |
| 81,000 | 8,505 |  |  | 551,409221500 | 137,53112,500 |  | 3,125 | 70,000 | $\text { s00, } 39116$ |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 11,300 | T2, 450 |  |  |  | 205, 250 | 16 17 18 |
| 430, 650 | 40,692 | 76,560 | $\begin{array}{r} 209,614 \\ 32,374 \end{array}$ | $\begin{array}{r} 55,370 \\ 224,722 \end{array}$ | $\begin{aligned} & 241,024 \\ & 677,189 \\ & 60 \end{aligned}$ | 566 | 2,680 | $\begin{array}{r} 23,200 \\ 148,514 \end{array}$ | $\begin{array}{ll\|l} 2,778,669 & 1 \\ 5,286,659 & 2 \end{array}$ | 19 |
| 50,000 | 4,800 | 11, 917 |  |  |  |  |  |  |  | 20 |
| 200, 000 | 20, 850 |  |  | $\begin{array}{r} 613,105 \\ \text { 1. } 80,267 \\ 10,800 \\ 50,700 \end{array}$ | 1,125, 322 |  | $\begin{array}{r} 235 \\ 29,484 \end{array}$ | $\begin{array}{r} 55,883 \\ 519,686 \end{array}$ | $\begin{array}{r} 11,450,038 \\ 38,579,598 \\ 375,377 \\ 723,215 \end{array}$ |  |
| 827, 431 | 77, 571 | 303, 348 | 855, 380 |  | $3,726,505$ |  |  |  |  |  |
|  |  |  |  |  | 44, 800 |  |  |  |  |  |
|  |  |  |  |  | 94, 2005 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | $\begin{aligned} & 75,00020 \\ & 1,199,60827 \\ & 2,3 c 9,01+24 \\ & 1,729,274,29 \end{aligned}$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 403,568 | 30 |

Table LIV.-Manufactures: Spcoial statistics
12.-IRON AND STEEL: D-IRON ROLLING-MILLS-Continued.

|  | States and Torritorios. | pronvets. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | ¢ |  | 気 |  | $\stackrel{\text { ® }}{\stackrel{\text { ® }}{\text { ® }}}$ | 気 | - |
|  |  |  |  |  |  |  |  |  |  |
|  | The Unitod States. | Tons. 663,211 | $\begin{aligned} & \text { Dollars. } \\ & 35,302,431 \end{aligned}$ | $\begin{aligned} & \text { Tons: } \\ & 15,620 \end{aligned}$ | $\begin{aligned} & \text { Dollars. } \\ & 9,303,132 \end{aligned}$ | $\begin{aligned} & \text { Tons. } \\ & 96,810 \end{aligned}$ | $\begin{aligned} & \text { Dollarsi } \\ & \mathbf{5 , 5 2 0 , 7 1 9} \end{aligned}$ | $\begin{aligned} & \text { Tons } 8.321 \end{aligned}$ | $\begin{aligned} & \text { Dollars. } \\ & 7,910,400 \end{aligned}$ |
|  | Alabama | $\begin{array}{r} 150 \\ 8,000 \\ \hline \end{array}$ | $\begin{gathered} 70,0,00 \\ 40,000 \end{gathered}$ |  |  |  |  |  |  |
|  | Caylitornia ............. |  |  |  |  |  |  |  |  |
|  | Connecticat. | 15, 650 | $\begin{aligned} & 306,275 \\ & 900,000 \end{aligned}$ | 8, 838 | 631, 682 | 2,200 | 143, 000 | 1,987 | 140, 030 |
|  | Delaware .... |  |  |  |  |  |  |  |  |
| 10 | District of Columbia.. | $\begin{gathered} 2266 \\ 2,828 \end{gathered}$ | 19,020 |  |  |  |  |  | ........... |
|  | Glinois .................. | $\text { 28, } 8,606$ | 1, 663,521$]$ | ........ | ........ |  | -1.......... | -.......... |  |
|  | Indiana.. |  |  | $\begin{aligned} & 1,700 \\ & 15 \end{aligned}$ | $\begin{array}{r} 100,000 \\ 800 \end{array}$ | ........ | ........... | ......... | …....... |
|  | Kausas ... |  |  |  |  |  |  |  |  |
| 1111131315 | Koutucky . | 16, 258 | 981, 571 | 4, 341 | 238,611 | 2,000 | 130,000 |  |  |
|  | Mrrylayd............... |  |  | - 216 | -1139189 |  | -15,000 | $\begin{aligned} & 1,60 \\ & 3_{1}, 90 \\ & \mathbf{5}_{1}, 563 \end{aligned}$ |  |
|  | Massachusetts |  |  |  |  | - 300 |  |  |  |
|  | Michigan. |  | 672, 175. | .-..... |  | ....... | ........... |  |  |
| Missouri. <br> Nebraska <br> New Eampshire <br> Now Jersey Now York. <br> How York .............. |  | 5,490 | 319, 053. |  |  |  |  |  |  |
|  |  | $\begin{gathered} 2,83 \\ 15,929 \\ 90,304 \\ 90 \end{gathered}$ | $\begin{array}{r} 17,009 \\ 825, \\ 4,786,174 \end{array}$ | $\begin{gathered} \cdots, 0.0 \\ 7,015 \\ 7 \end{gathered}$ |  |  |  |  |  |
|  |  | $\begin{gathered} 40,000 \\ 42,55 \\ 472,56 \end{gathered}$ |  |  | $\begin{gathered} 20,400 \\ 2,407 \\ 2, \end{gathered}$ | $1,276,503$ | $\begin{gathered} 1,60 \\ 1,421 \end{gathered}$ | 102, 130000 |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Ohio .................. | $\begin{aligned} & 115,0,09 \\ & 232,399 \\ & 299 \end{aligned}$ | $\begin{array}{r} 5,986,590 \\ 12,385,625 \end{array}$ |  | $\begin{gathered} 676,560 \\ 4,456,149 \end{gathered}$ | 48508,688 | $\begin{array}{r} 35,100 \\ 3,770,3 z 2 \end{array}$ | 110, ${ }^{1,090}$ | 0, 50,0008 |
| 23 | Phousy |  |  |  |  |  |  |  |  |
| 24 | Tennessee | 3,022 | 151,100 | 4,000 | 220,000 | ... | .-....... | ……. | ........... |
| 26 |  |  |  | $1,460$ | $\begin{array}{r} \mathbf{c}_{3,}, 000 \\ 4,800 \end{array}$ |  | .-.......... | ......... | ........... |
| 37 |  |  | $\begin{array}{r} 68,290 \\ 1,86,500 \\ 19,250, \end{array}$ |  |  |  |  |  |  |
| 298 |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  | $1,045$ |  | $\cdots \cdots \cdots, . .$ | ......... | ........... |
|  |  |  |  |  |  |  |  |  |  |

o These quantities and values ouly include bar iron and rodirou sold in the form of bars and rods; they do not include bar iron and rod iron worked into spikes and other finished forms by the same establishments, the quantities and vahes of which are fotud under tho head of "All other finished products", on page 1151.
Skelp irom is ased for wronght-iron tubes and pipes. These quantitips and ralues do not incluie finished pipe made in the same works, which finisliod pipe is embraced in "All other finished products".
for principal industries: 1880-Continued.
12.-TRON AND STEEL: D-IRON ROLLING-MILLS-Continued.

o This colnmon only inclutes the car-axles hammered in forges attiched to rolling-mills and dnes not profess to give the total production of hammered axles in the country, a considerablequantit beiur made by forging establishments, the statisties of which do not belong to iron roling-mili statistics.

Tablu LIY.-Manufachures: Special statistics
12.-IRON AND STEEL: D-TRON ROLLING-MILLS-Continued.

a Fish-plates, ete.
for principal industries: 1880-Contimued.
12.-IRON AND STEEL: D-IRON ROLLING-MILLS-Continued.

$b$ This column only includes the quantity of iron hammered in forgos connected with rolling-mills, there being a considerable quantity of irou hammered in forzing estainishments the statistics of which do not belong to iron rolling-mill statistics.
c. The grantity of cut nails here given chn bo reduced to kegs (which are always 100 pounds in weight) by multiplring by 20.
a Horseshoes, Failroid spilies, wine etc.

Table LIV.-Manufuctures: Special statisties
12.-IRON AND STEEL: E-BESSEMER AND OPEN-HEARTH SITEIS, WORKS'


[^3]for principal industries: $1880-$ Continued.



73 cc

Table LIV.—Manufactures: Special statistios
12.-TRON AND STEEL: E-BTESEMER AND OPTEN-HEARTM STEEL FORKS-Continued.

for principal industries：1850－Continued，
12．－IRON AND STEEL：E．－BESGBMER AND OPEN－HEARTE STEEL WORMS－Continued．


PRODUCIS－continued．

| amasรoxa มo⿰幺幺 | $\stackrel{\text { ® }}{\substack{8}}$ | $\begin{aligned} & \text { Other open-liear th } \\ & \text { steel. } \end{aligned}$ | $\stackrel{\text { 8 }}{\stackrel{\circ}{8}}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tons． 20，615 | Dollars． <br> 1，362， 162 | Tons． 26，794 | Dollors． $2,476,650$ | Dollars． 142，940 | $\begin{aligned} & \text { Tons. } \\ & \text { Sis3,039 } \end{aligned}$ | Dollars． <br> 55，805， 210 |
| 1，400 | 100，000 |  |  |  | 1，014 | 101,400 $10,197,350$ |
|  |  | 275 | 24，750 |  | 2.5 | 24， 250 |
| 5，100 | 550， 000 | 2，700 | 189，000 |  | 22， 312 | 2， 178,880 |
|  |  | 1，460 | 233， 600 |  | 3， 2026 | 470， 200 |
| 1，202 |  | 1，693 | 189， 439 | 95 | 5， 398 | 524，439 |
|  |  | 3，410 | 242， 218 | 3， 3.47 | 108.975 | 6，590， 797 |
| 12， 013 | 573， 162 | 16， 320 | 1，551，402 | 44，10\％ | E2， 8 e？ | 87，54i， 398 |
|  |  |  |  |  | 3，75 | 137，25 |
|  |  |  |  |  | 4,600 | 201， 200 |

Table LIV.-Manufactures: Special statistics
12.-IRON AND STEEL: F-CRUCIBLE AND MISORLLANEOUS STEEL WORES.

for principal industries: 1880-Continued.
12.-IRON AND STEEL: F-CRUCIBLE AND MISCELLANEOUS STEEL WORKS.


Table LIV.-MIMaufactures: Spccial statistics
13.-LEATHER, CURRIED.

for qrincipal industries ：1880－Continued．
13．－LEATHER，CURRIED．

| maimrials． |  |  |  | Pronucts． |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 0 |  |  | 䠃 |  |  |
| Number． <br> 12，464， 209 | Number． <br> $10,005,606$ | Gallons． <br> 3，385，719 | Dollars． <br> 50，306，500 | Number． $12,464,299$ | $N^{\prime}$ ramber． <br> $10,625,806$ | Dollers． <br> 71， 251,297 |  |
| 33，146 | 12，307 | 4，742 | 88， 033 | 33， 146 | 12，307 | 130， 123 |  |
| 1， 900 | ${ }^{12,350}$ | ， 220 | 5， 470 | 1，000 | 12， 350 | 7， 650 |  |
| 200.054 | 460，450 | 70，013 | 1，683， 021 | 266， 055 | 466.45 | 2，c01， 850 |  |
| 7， 100 | 15， 100 | 4，425 | 53，250 | 7， 100 | 15， 100 | 90， 550 | 4 |
| 10，100 | 11， 525 | 3，333 | 70，170 | 10， 100 | 11， 425 | 86， 950 | 5 |
| 11，400 | 190 | 2，260 | 57，125 | 11， 400 | 100 | 67，300 | 6 |
| ${ }^{1} 100$ | 60 | 40 | 6.5 | 100 | 60 | 880 | 7 |
| 83,871 800 | 14,830 475 | 10,742 120 | 100,753 8,687 | 85， 871 | 14,830 475 | 296,150 3,049 | 8 |
| 251， 680 | 431，920 | 81， 526 | 1， 907,250 | 251， 060 | 481， 920 | 2， 391,380 | 10 |
| 276， 760 | 37， 181 | 59，628 | 1，192， 434 | 276，760 | 37，181 | 1，462， 776 | 11 |
| 6，340 | 7，002 | 1，735 | 47， 020 | 6， 340 | 7，002 | 61，611 | 12 |
| ${ }^{20} 200$ |  |  | 1，361 | 131200 | 11.95 | 1， 113 | 13 |
| 131,461 2,440 | 14,185 13,075 | 31， 339 | 554,247 16,342 | 131,461 2,440 | 14,185 13,075 | 687,483 20,366 | 14 |
| 518，850 | 232，558 | 105， 961 | 2，290， 310 | 518，850 | 222， 558 | 2，612， 350 | 16 |
| 78，220 | 59，373 | 18， 294 | 288，608 | 78,290 | 69，572 | 548， 458 | 17 |
| 4，951，563 | 5，178， 609 | 1，316， 491 | 10，547， 978 | 4，951，563 | 5，17\％，609 | 23，283， 775 | 18 |
| 161，208 | 63,351 | 33， 220 | 812，065 | 161，308 | 63， 31 | 996， 932 | 19 |
| 33， 432 | 7，040 | 7，975 | 116，925 | 33，432 | 7，046 | 141，685 | 20 |
| 27， 515 | 7，770 | 4.500 | 74， 103 | 27，57．5 | 7，770 | 102，436 | 21 |
| 64， 428 | 13，791 | 15， 616 | 276， 033 | 64， 428 | 13， 794 | 336， 623 | 22 |
| 455，470 | － 833,466 | 162， 699 | 1，88．4， 797 | 435， 450 | $\begin{array}{r}339,466 \\ \hline\end{array}$ | 2，161，734 | 24 |
| 818,804 $1,048,581$ | $1,703,319$ 639,772 | 262,868 304,087 | $1,890,270$ $5,210,852$ | 818,804 $1,048,581$ | 1，704， 681216 | $8,767,128$ 6， 192,002 | 24 |
| 64， 078 | 12， 606 | 9，854 | 132， 817 | 64，078 | 12，606 | 196， 302 | 26 |
| 632， 615 | 256， 054 | 183， 724 | 3，141， 024 | 632，615 | 250， 034 | 3，886，627 | \％ 7 |
| 17， 372 | 4， 616 | 3，025 | 61，815 | 17，372 | 4，618 | 89，577 | 28 |
| 1， 272,931 | 404， 874 | 319， 067 | 6，639， 482 | 1，272， 931 | 404， 874 | 7，852， 177 | $\frac{29}{30}$ |
| 66，154 | 16， 200 | 12， 440 | 180， 250 | 60,154 | 16， 200 | 207，125 | 30 |
| 17， 809 | 3，245 | 2，340 | 32， 602 | 17， 809 | 3， 245 | 43，580 | 31 |
| 119，312 | 17， 271 | 21， 434 | 459， 774 | 119，311 | 17， 271 | 540，427 | 32 |
| 14， 344 | 4，301 | 2， 355 | 46， 017 | 14， 344. | 4，301 |  | 33 |
| 7， 118 | 4，352 | 1， 886 | 40，171 | 7，118 | 4，359 | 59， 088 | ${ }_{35}^{34}$ |
| $120,4 \pm 5$ | 13，800 | 44，127 | 457， 632 | 129，425 | 13，890 | 530， 537 | 35 |
| 59，420 | 15，797 | 10，497 | 173， 051 | 59， 420 | 15， 797 | 292， 989 | 36 |
| 4,100 103,310 | 4800 | 1，400 | 24，200 | 4,100 | 1900 | cy， 500 | 37 <br> 38 |
| 103,340 734,800 | 48,995 582,451 | 21， 198 $\mathbf{2 4 9}, 982$ | 5866,755 $3,769,914$ | 103,340 734,800 | 48,905 $58 \%$ 5051 | 725,010 $4,406,729$ | 38 39 |
|  |  | 21， |  |  |  |  |  |

Table LIV.-Manufactures: Special statistics
14.-LEATHER, TANNED.

for principal industries: 1880-Continued.
14.-LEATHER, TANNED.

| materials. |  |  |  |  |  | Productrs. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { M } \\ & \text { 荡 } \\ & \text { H } \\ & \text { E } \end{aligned}$ |  |  |  |  |  | 㵄 | \% |  |
| $\begin{gathered} \text { Tons. } \\ 1,101,526 \end{gathered}$ | Tons. | Dollars. 707, 465 | Number. <br> 11, 773, 171 | $\begin{array}{r} \text { Number. } \\ 19,036,658 \end{array}$ | Dollars. 85, 949,207 | $\begin{gathered} \text { Number. } \\ 23,546,342 \end{gathered}$ | $\begin{gathered} \text { Number. } \\ 19,917,653 \end{gathered}$ | Dollars. $113,348,336$ |  |
| 11 | 3, 691 |  | 44,308 | 15,073 | 127, 742 | 88,616 | 15,073 | 212, 545 |  |
|  |  |  | 2, 450 | 330 | 5,797 | 4,900 | 330 | 12, 300 |  |
| 103 | 22,060 |  | 254, 624 | 1, 314, 215 | 2,746, 263 | 509, 248 | 1,314, 215 | 3,788, 723 |  |
|  |  | 6, 050 | 4, 100 | 15, 100 | 88, 300 | 8,200 | 15, 100 | 55, 800 |  |
| 472 | 919 |  | 11,950 | 24, 625 | 107, 005 | 23,900 | 24,625 | 146, 750 |  |
|  | 130 30 |  | 1,400 | 195 1,561 | 4,700 3,365 | 2,800 230 | 190 1,561 | 7,000 4,284 | ${ }^{6}$ |
| 14 | 6, 034 |  | 74,649 | 21,325 | 197, 943 | 149,298 | 21,325 | 323, 807 | 8 |
| 35 |  |  |  | 475 | 1, 816 |  | 475 | 2,612 |  |
| 50,762 | 137 | 4,700 | 395, 030 | 1, 480, 570 | 4, 160, 113 | 790,060 | 1, 483, 570 | 5, 402, 070 | 10 |
| 1,856 | 18,633 |  | 152,375 | 57, 609 | 971, 201 | 304, 750 | 57,602 | 1, 266, 653 | 11 |
|  | 108 | 2,375 | 2, 470 | 12,025 | 24, 099 | 4,940 | 12,025 | 43, 974 | 19 |
| 20 |  |  | 91980 |  | $\begin{array}{r}5,175 \\ \hline 1508\end{array}$ | 1, 960 | 150 | -7,452 | 13 |
|  | 31,107 270 |  | 211,097 | $\begin{array}{r} 213,840 \\ 13,280 \end{array}$ | $\begin{array}{r} 1,799,047 \\ 14,984 \end{array}$ | 422,194 6,824 | 213,840 13,280 | $\begin{array}{r} 2,511,960 \\ 28,470 \end{array}$ | 15 |
| 93,406 | 180 | 15,735 | 879, 160 | 2, 202, 158 | 5, 535,427 | 1,758, 320 | 2, 202,158 | 7, 100,967 | 16 |
|  | 24,733 | 9,191 | 137,667 | 286, 250 | 1, 039,586 | 275, 334 | 286, 250 | 1, 488, 591 | 17 |
| 167, 334 | ${ }^{74}$ | 408, 956 | 1, 625, 344 | 5,724, 897 | 11, 320, 288 | 3, 250, 688 | 5, 724, 897 | 13, 556, 721 | 18 |
| 121,139 1,724 | 1,205 | 1,474 460 | 184,011 16,716 | 341,793 7,046 | $1,450,559$ 86,853 | 368,022 33,432 | 331,793 7 | 2, 1129,653 | 19 20 |
| 22 | 1, 650 | 595 | 21, 020 | 9, 225 | 66, 995 | 42,040 | 9, 295 | 106, 260 | 21 |
| 1,639 | 3,190 | 14,705 | 41,419 | 152,313 | 321, 805 | 82, 838 | 150,313 | 435, 072 | 22 |
| 34,968 |  | 1, 600 | 281, 490 | 404, 341 | 1, 732, 564 | 562, 930 | 404, 341 | 2, 315, 616 | 23 |
| 11, 332 | 14, 675 | 60, 923 | 369, 667 | 1,783,647 | 5, 202, 747 | 739,334 | 1, 788,647 | 6, 748.094 | 24 |
| 334, 084 | 0, 624 | 157, 901 | 2, 503, 855 | 4, 171, 290 | 18, 014, 683 | 5, 007,710 | 4, 169, 690 | 23, 652, 386 | 25 |
| 29 | 6, 154 | 600 | 83, 661 | 20,750 | 222, 068 | 167, 322 | 20,750 | 307, 920 | 20 |
| 5,775 | 42, 274 | 8, 050 | 456, 015 | 484, 732 | 3,247,592 | 912,030 | 432, 707 | 4,357, 273 | 27 |
| 573 |  |  | 8, 961 | 5,916 | 38,694 | 17,922 | 5, 916 | 65, 767 | $\underline{9}$ |
| 378,069 | 122, 550 | 8,500 | 2, 970, 680 | 635, 280 | 19, 716, 236 | 5, 941, 360 | 635, 155 | 27,042,008 | ${ }^{29}$ |
| 7,375 |  |  | 106, 777 |  | 509, 370 | 213, 554 |  | 638,000 | 30 |
|  | 1,605 | 75 | 20,967 | 4,705 | 47,225 | 41, 934 | 4,705 | 73,507 | 31 |
| 15 | 15, 085 |  | 159, 524 | 66,909 | 1, 041, 605 | 319, 048 | 66,909 | 1, 504, 660 | 32 |
|  | 825 | $1,260$ | 10, 920 | $6,016$ | $39,030$ | $21,840$ | 5,791 | 63, 750 | 33 |
| 12,264 | 81 | 50 120 | 5,046 125,232 | 4, 953 176,250 | 27,331 838,426 | 10,092 250,464 | [ $\begin{array}{r}4,952 \\ 176,250\end{array}$ | 47, 267 $1,084,503$ | 34 |
| 69 | 11,662 | 750 | 125, 438 | 30, 628 | 708,333 | 250, 876 | 30,603 | 1, 011, 830 | 36 |
| 210 |  |  | 2, 400 | 900 | 10, 260 | 4,800 | 900 | 27,000 | 37 |
|  | 16, 987 | 3, 000 | 150, 317 | 50, 713 | 1,089, 620 | 300, 634 | 50,713 | 1,451,528 | 38 |
| 36,806 | 134 | 395 | 327, 524 | 239, 581 | 3,367,360 | 655, 048 | 239,581 | 4, 324, 423 | 39 |

Table IIV.-Memufatures: Special statisties
15.-LUMBER, SAWED.

|  | States and Territories. |  |  | AVERAGE NUMBER OF HANDS EMPLOTED. |  |  | materiale. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  | United States. | $\begin{gathered} \mathrm{N} 0 . \\ 25,708 \end{gathered}$ | Dollars. <br> $181,186,122$ | 41, 064 | 425, 2,067 | Dollers. $31,845,974$ | Dallars. <br> $130,836,869$ | Dollezrs. $6,318,516$ | Dollars. <br> $140,155,385$ |
|  | Alabma |  |  | 1, 611 | .... | 424, 156 |  | 90, 649 | $1,608,635$ |
| 2 | Arizona |  | 102,450 |  | $2$ | 33, 375 | $126,480$ | 5,300 |  |
| 3 | Arlamsas | 810 | 1, 065,810 | 1, 3 , 490 | 54 | 337, 39 | 1,009, 904. | co, 411 | 1,070,335 |
| 4 | Califoruia | 931 | 6,45:,713 |  | 7 | 1,003, 783 | 2, 055, 685 | 180, 868 | 2, $24.42,503$ |
| 5 | Colorado |  | 48, 2006 | 30 |  | 112, 031 | 654, 500 | 45,794 |  |
| 6 | Connectiout ...... | 300 | 65\%, 300 |  | $\varepsilon$ | 178, 320 | 600, 024 | 32, 545 | 641, 569 |
| 7 | Dakota | 3980 | 113, 750 | 956 | 4 | 54, 95.4. | 269, 235 | 12, 640 | 281,875 |
| 8 | Delaware......... |  | 204, 300 | $\begin{array}{r}378 \\ 25 \\ \hline\end{array}$ | 13 | 40, 090 | 299, 763 | 13,612 | 243,375 |
| 9 | Dist. of Columbia. | 8 |  |  |  | 6,000: | 32, 000 | - 2,000 | 34,000 |
| 10 | Florid | 135 | 2, 219, 200 | 1,045 | .... 85 | 562, 249 | 1,763, 617 | 103, 596 | 1, 867, 213 |
| 11 | Gearcia | 655 | 3, 101, 452 | 3,298 |  | $\begin{gathered} 554,085 \\ 35,505 \end{gathered}$ | 3, 049, 435 | 147, 720 |  |
| 12 | Inno | 48 | 102, 460, | 169 | … ${ }^{4}$ |  | 1213,681$2,050,537$ | 185, 1875 |  |
| 13 | InEnois | 640 | 3, 295, 433 | 3,6829,026 | .... 190. |  |  |  | $\begin{aligned} & 230,566 \\ & 3,144,905 \end{aligned}$ |
| 14 | Indiam | 2, 0,222 | $\begin{aligned} & 7,048,688 \\ & 4,946,300 \end{aligned}$ |  | ... 418 |  | 0, 290, 428 | 336, 669 | 9,627,097 |
| 15 | Io | ${ }^{2} 8$ |  | - 2,526 | . 463 |  | 4, 023, 601 | 118, 224 | 4, 141, 885 |
| 16 | Kansas | $\begin{aligned} & 148 \\ & 670 \\ & \hline \end{aligned}$ | 202, 975 | 307 | $\cdots$ | 66, 753 | 421,738 | 25, 711 |  |
| 17 | Kentucky |  | 2, 2001388 | $\begin{aligned} & 2,506 \\ & 040 \end{aligned}$ | $\cdots \mathrm{i}$ - 04 | $671,949$ | $\begin{aligned} & 2,28,889 \\ & 1,1,106,280 \end{aligned}$ |  |  |
| 18 | Lomisiana | 175 |  |  | .... | 1, ${ }^{2001,142}$ |  | $\begin{array}{r} 171,85 \\ 80,79 \end{array}$ | $\begin{aligned} & 1,187,059 \\ & 1,951,951 \end{aligned}$ |
| 19 | Mains. | 848369 |  | 6, 1,210 | 183 |  | $\begin{aligned} & 4,75+, 613 \\ & 1,0 \pm 1,830 \end{aligned}$ | $\begin{gathered} 197,344 \\ 64,950 \end{gathered}$ |  |
| 20 | Marylan |  |  |  | … 23 | 223, 786 |  |  | $\begin{aligned} & 4,906,795 \\ & \hline 1, ~ \\ & \hline \end{aligned}$ |
| 21 | Massachusetts... | $\begin{array}{r} 606! \\ 1,649 \end{array}$ | 2, 480, 840 | $1,940$ | 30. |  | 1, 827,497 |  | 1,004, 105 |
| 22 | Michiman. |  | 39, 260,443 | 22, T02 1431,360 |  |  | 30, 819,0001 |  | 32, 251, 372 |
| 23 | Minnesota | 1, 649 | 6, 71, 140 | 2,768 | $2{ }^{2} 100$ | $\frac{984}{104, ~} \frac{470}{47}$ | 4, 408, 468 | 1, 120,587 | 7  <br> 4 $4,529,0505$ <br> $1,210,16$  |
| 24 | Mississipp |  | 954, 393 | 1, 3,408 | … 47 |  | 1, 190, 002 | 28, 214 |  |
| 25 | Missouri | 895 | 2, 807, 970 |  | $\cdots$ | 669, 64 | 3, 113, 049 | 102, 43 | $4 \begin{aligned} & 1,219,161 \\ & 3,215,292\end{aligned}$ |
| 26 | Montana | $\begin{aligned} & 38 \\ & 38 \end{aligned}$ | $\begin{aligned} & 208,200 \\ & 80,57 \end{aligned}$ | $\begin{aligned} & 14 . \\ & 1 . \end{aligned}$ |  | 47, 945 | 257,320 |  | 8 278,088 |
| 27 | Nobrask |  |  |  | ${ }^{-1} 4$ | $\begin{gathered} 29,313, \\ 0,82, \end{gathered}$ | $\begin{aligned} & \text { 1F3, } 8: 31 \\ & 251,790 \end{aligned}$ | 11, 158 | 5164,878 <br> 102,810 |
| 28 | Nerada |  | $\begin{array}{r} 18 \% \\ 3,74,700 \end{array}$ |  |  |  |  | 11, 020 |  |
| 29 | Nen Hampsh | 284 |  |  | 48 | 548, 20 | 2, 559,461 | 113, 530 | 2, 272,597 |
| 30 | Now Jersey. |  | 1, 6 ¢f, 305 |  | 8. | 179,693 | 942, 729 | 47,297 | 988, 979 |
| 31 | New Mexic | 26 | 74, 67al | 172 |  | 24, 240 ; | 100, 149 | 10,910 | 117,055 |
| 32 | Now York | 2,692 | 13,230, 58.4 | 11, 050 | 389 |  | 8,623, 874 | 490, 389 | 0,119,263 |
| 33 | North Caro | T 76 | 1, 742, 217 , | 2, 388 | 91.1 | 447, 432 | 1, 490, 616 | 86, 283 | 1,577, 1391 |
| 34 | Olio. | 2,352 | 7,94, 412 | 8,760 | 548 | 1,708, 300 | 8, 603,127 | 203, 979 | $8,806,106$ |
| 35 | 02 | 228 | 1, $517, S_{3}$ |  | 13 : | 242, 154 | 1, 294, 703 | 36, 639 | 1, 331, 342 |
| 36 | Penusslani | 2, 827 | 21, 418, 588 | 14, 413 | 8463 | 2, 918, 459: | 12,378,580 | 576, 341 | 13, 955,430 |
| 37 | Rhoode Islam |  | 144, 50 |  | 12. | 38,145 | 116,085 | 4.803 | 120, 888 |
| 38 | Sonth Carol | 420 | 1. $0: 06,2 \%$ | 1,401 | 37 | 221, 963 | 1, 170, 088 | 67, 973 | 1, 231, 361 |
| 39 | Tommessee | 755 | 2, 204,508 | 8, 577 | 141 | 84, | 2, 0060124 | 186, 761 | 2, 142, $888^{1}$ |
| 40 | I' | 324 | 1,660,952, | 3,136 | 49 | 732, 914 | 1, 909,744 | 186,981 | 2,096,775 |
| 41 | Utah | 107 | 272, 750 |  | 10 | 65, 175 | 210, 810 | 21, 635 | 238, 274 |
| 4 | Termont | 688 | 3, 974 , 930 | 2,411 | $100 \cdot$ | 426, 953 | 1, 989, 78 | 82, 003 | 2, 022, 868 |
| 43 | Yirginia | 907 | 2, 122, 925 | 3,923 | 83 | 541, 2311 | 1, 80.4, 288 | 119,489 | 1, 988, 777 |
| 4 | Washingtun | 37 | $2.456,450$ | 493 | 4 | 200, 5 \% | 1, 174, 005 | 14, 070 | 1, 188,075 |
| 45 | West Virgini | 42 | 1, 608, 520 | 057 | 12 c | 409, 955 | I, 3077 | 67,529 | 1,375, 372 |
| 46 | Wisconsin |  | 19, 89, 050 | 7, | 50.487 | 2, 257, 218 | 12, 219, 697 |  | 12, 471,473 |
| 47 | Wyoming. | ${ }^{7}$ | 26,700 |  |  | 0, 3 20\% | 24, 725 | 2,625 | 27,350 |

for principal industries: 1880-Continned.
15.-LUMBER, SAWED.


Table LIV.-Manufactures: Special siatistics
16.-MIXED TEXTILES.

| States. |  |  | $\begin{aligned} & \text { ت゙ } \\ & \text { ت゙ } \\ & \text { Ex } \end{aligned}$ | average number of HANDS EMPLOYED. |  |  |  | MatErlals. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Childrea and jouths. |  |  |
|  | The United States. |  | $\begin{aligned} & \text { No. } \\ & 470 \end{aligned}$ | Dollars. 37,906, 057 | 17,471 | 20,520 | 5,382 | Dollars. $13,316,753$ | Dollars. $1,495,845$ |
| 1 | California. | 2 | 9,500 | 11 | 14 | 10 | 9,700 |  |
| 2 | Conmecticut .-................ | 48 | 3, 203, 234 | 1,721 | 952 | 275 | 988,848 | 135, 764 |
| 3 | Delaware. | 2 | 20,000 | 27 | 11 | 4 | 12,476 | 290 |
| 4 | Illinois. | 3 | 57, 000 | 36 | 122 | 17 | 39, 650 | 2,000 |
| 5 | Indiama. | 5 | 685,000 | 208 | 215 | 134 | 209,337 | 6,780 |
| 6 | Kentucky | 5 | 615, 000 | 137 | 210 | 161 | 135,918 | 12,156 |
| 7 | Mraine -- | 15 | 1, 290,380 | 487 | 451 | 133 | 357, 595 | 47,709 |
| 8 | Marcland. | 3 | 4, 4,900 | 6 | 11 | 5 | 4,000 |  |
| 9 | Maskachusetts .............- | 69 | 7,166, 800 | 3,608 | 3,345 | 485 | 2,528,476 | 409,322 |
| 10 | New Hampshire............- | 20 | 1,321,400 | 653 | 581 | 284 | 494, 045 | 42,904 |
| 11 | New Jersey .................. | 10 | 1, 577, 870 | 521 | 906 | 343 | 526,770 | 3,720 |
| 12 | New York. .................... | 134 | 7, 902, 150 | 3,369 | 5,722 | 1,326 | 3, 049,305 | 180,370 |
| 13 | Obio....... | 5 | - 20, 200 | , 20 | 45 | 1. 10 | , 14,650 |  |
| 14 | Pennsylvania................- | 126 | 11, 536, 818 | 5,361 | 6,971 | 1,936 | 4, 223, 662 | 542, 674 |
| 15 | Rhode Island. .-............-. | 16 | 1, 591,000 | 817 | 663 | 163 | 488,068 | 81, 636 |
| 16 | Tennessee | 1 | 35,000 | 15 | 8 | 5 | 7,500 | 1,200 |
| 17 |  | 7 | 776,000 | 361 | $2 \overline{5}$ | 82 | 190,775 | 23, 800 |
| 18 | Virgiaia.......----.......-- | 2 | 83, 000 | 28 | 17 |  | 16,000 | 3, 000 |
| 19 |  | 2 | 100, 805 | 25 | 23 | 9 | 19,048 | 2,500 |

for principal industries: 1880-Continued.
16.-MIXED TEXTILES.


Table LIV．－Manufactures：Special statistics
17．－PAPER，NOT SPECIFTED．

|  |  |  | $\begin{aligned} & \text { 突 } \\ & \text { B } \end{aligned}$ | $\begin{gathered} \text { Ayeragr numar } \\ \text { OF Havdi Em } \\ \text { Morev. } \end{gathered}$ |  |  |  | Materials． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States and Territorits． |  |  |  |  | 显 |  |  | 苞 |
|  | The Unitel Stat | $\frac{50}{60}$ | $\begin{gathered} \text { Dollters. } \\ 46,311,2 i 2 k \end{gathered}$ | 12,133 | 7，G69 | 49 | $\begin{aligned} & \text { Dollars. } \\ & 8,520,355 \end{aligned}$ | $\begin{gathered} \text { Tons. } \\ 127,017 \end{gathered}$ | $\begin{aligned} & \text { Tons. } \\ & 87,8 \pm 0 . \end{aligned}$ |
| 1 | California． | $6$ | S10， 100 | 156 | 5 | $\stackrel{3}{3}$ | 87， 623 | 865 | 562 |
| 3 | Connecticut．．．．． | 65 | 3，1es， y 1 | 1，173 | 478 |  | ciet 000 | 15，580 |  |
| 4 | Delavare | ， | 2， 003,009 | 129 | 67 | 6 | 112， 665 | 4：405 | ${ }_{1}^{1,479}$ |
| 5 | District of Columbia | i | 35， 000 | 20 |  |  | 7，497 |  | 400 |
| ${ }_{7}^{6}$ | Georgia． | ${ }_{2}^{7}$ | $\begin{array}{r} 285,000 \\ 1,980,0000 \end{array}$ | 102 | 418 | $4^{7}$ | 31， 688 | ${ }_{7}^{700}$ | 81 |
| 8 | Indiama． | 19 | 1，875，000 | 291 | 167 |  | 166， 608 | $4{ }^{1,622}$ | 1， 685 |
|  | Towa． | 4 | 305， 0100 | 118 | 29 | 5 | ¢9， 235 | 75 | $10 \pm$ |
| 10 | Kansas | 1 | 2， 000 | 6 | 3 |  |  | 20 | 1 |
| 11. | Kertacky | 2 | Cajo 000 | 172 | 113 | 10 | 82， 460 | 8，266 | 906 |
| 12 | Mane Mry | 䍂 |  | 538 |  |  |  |  |  |
| 14 | Massachusetts． |  | 11，Te，wid | 3，522 | 3， 313 | 62 | $2,447,359$ | 62， 2122 | 14， 910 |
| 15 | Michigan ．．．．．．．． |  | 1，抁，303 | 428 | 132 | 29 | 24， 812 | 0，508 | 1，258 |
| 16 | Minnesota | 2 | 310,000 | 01 | 22 |  |  | 1，300 | 200 |
| 18 | Nebraska ．．．．．． | 1 |  | 13 |  | 3 |  |  |  |
| 19 | New Jerses．．．． | 9 | 1， | 4 |  |  | 249，${ }^{272}$ | 4,435 3,363 | ${ }^{3}, 154$ |
|  | New York | 163 | $\mathrm{c}_{6}, 804,80{ }^{\text {a }}$ | 2，923 |  | 1134 | 1，217， 580 | 19，083 | 15，709 |
| 21 | Norta Carolina． |  | 199，500 |  |  | 4 |  |  | 10 |
| ${ }_{23}^{22}$ | Onio．．．．．．． | 60 | 4， 804,474 | 1，654 | 527 | 07 | 839，231 | 20，012 | 8， 583 |
| 24 | Pensylvania | 78 | 2， 099,6 | 1，481 | 55 | 47 | 762， 151 | 15， 16 | 11，411 |
| 25 | Tennessee ．．． | 1 | （i） 3 ， 50 | 5 | $\checkmark$ | 10 | 3，250 | 30 | ${ }_{21}$ |
| 20 |  | 1 | 5，000 | 4 | 2 |  | 3，000 | 120 | 15 |
| 27 | Vermont | 13 | 78， 00 | 283 | 92 | 2 | 188， 389 | 70 |  |
| 28. | Virgi |  | 176， 0103 | 87 | 26 | 2 | 40，060 | 1，050 | 100 |
| ${ }_{30}^{29}$ | West Virgin | $\stackrel{3}{3}$ |  | 401 | 16.1 |  |  |  | 82 |
| 30 |  | 13 | 943， 000 | 401 | 163 |  | 235， 955 | 0,820 | ع2 |

for principal industries: 1880-Continued.
17.-PAPER, NOT SPECTMED.

| MATERIALS-coutimued. |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\underset{\square}{E}$ | $\begin{aligned} & \text { B } \\ & \text { 总 } \\ & \text { B } \\ & \text { E } \\ & 0 \end{aligned}$ |  |  |  |  |  |  |
| Tons. 12, 088 | Tons. 84,786 | Tons. <br> 245, 838 | Tons. 954 | Tons. 204 | Dollars. <br> 3, 028,793 | Doilars. <br> 7,039, 497 | Dollars. <br> 1, 681,762 | Dollars. $38,951,297$ |  |
|  | 512 | 4,125 |  |  | 50,085 | 61,738 | 6,000 | 241,015 |  |
|  | 35 | 800 |  |  | 1, 000 | 1, 000 |  | 10, 350 |  |
| 625 75 | 9, 698 | 2,304 | 150 |  | 268, 387 | 446,487 | 125, 950 | 2, 761, 116 | 3 |
|  | 200 |  |  |  | 38,482 3,120 | 89, 9,400 0,400 |  | 582,154 44,520 | 4 |
| 20 | 1,051 |  |  |  | 13,686 | 5, 257 | 500 | 149,563 |  |
| 40 | 1,025 | 49, 237 |  |  | 103, 305 | 261, 850 | 29,095 | 884, 088 | 7 |
| 445 | 541 | 8,355 |  |  | 108,595 | 174, 410 | 28,200 | 74., 938 | 8 |
|  | 5 | 7, 171 |  |  | 5, 150 | 33, 610 |  | 82, 185 | ${ }^{9}$ |
| 195 | 280 | 2,630 |  |  | 68,455 | 19,000 | 20,647 | 363, 070 | 11 |
| 823 | 1,712 | 2, 100 |  |  | 93, 304 | 375, 025 | 109, 126 | 1,347, 509 | 12 |
| 325 | 2, 204 | 7,377 |  |  | 82, 168 | 183, 125 | 14,350 | 738, 140 | 13 |
| 2, 688. | 13, 861 | 5,312 | 72 |  | 640, 280 | 1,970, 334 | 316, 881 | 9, 213, 221 | 14 |
| 57 | 859 | 15,285 |  |  | 106, 514 | 13,376 | 69,325 | 730, 614 | 15 |
|  | 200 | 1,200 |  |  | 15, 800 | 27, 350 | 15,600 | 118, 150 | 16 |
| 1,387 | 3,372 | 2250 |  |  | 104, 150 | 245.200 |  | 1, 213 | 17 |
| 1,287 | 11,393 | 1,210 |  | 1 | 104, 1026 | 175, 283 | 16, 48600 | 1, 181,425 | 18 |
| 1,402 | 35,400 | 76,191 | 200 | 240 | 726, 483 | 1, 115, 920 | 260, 219 | 5, 574,525 | 20 |
| 6 | 5 | -8 |  |  | 9,200 | 15, 200 |  | 88,200 | 21 |
| 588 | 10,551 | 36, 129 | 514 |  | 345, 810 | 558, 970 | 129, 937 | 3, 081, 098 | $\stackrel{2}{2}$ |
|  | 4. 110 | 15, 2130 |  |  | -3, 400 | 6,000 |  | - 20,260 | 23 |
| $1,324$ | 4,841 | 15, 133 | 18 |  | 515, 364 | $\begin{array}{r} 80,542 \\ 6,125 \end{array}$ | 108, 169 | $\begin{array}{r} 3,185,168 \\ 12,600 \end{array}$ | 24 |
|  | 15 |  |  |  | 640 | 350 |  | 8,000 | 26 |
| 1,500 | 4, 130 | 675 |  |  | 65,129 | 97, 309 | 31,725 | 556, 667 | 27 |
|  | 270 | 2,600 |  |  | 22, 614 | 20, 300 |  | 128, 014 | 28 |
|  | 990 | 4, 400 |  |  | 19,903 | 15, 100 |  | 145, 000 | 28 |
|  | 2,000 | 3,525 |  |  | 90,954 | 150, 703 | 31, 600 | 773, 150 | 30 |

Table LIV.-Manafactures: Special statistics
17.-PAPER, NOT SPECIFIED-Continued.

|  | Statos and Territories. | PRODUCTS. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | The United States ..... | Tons. 149, 177 | Tons. 32, 937 | Tons. $134,204$ | Tons. 20, 014 |
| 1 | California........... | 1,284 |  | 2, 588 | 60 |
| $\stackrel{2}{3}$ | Colorado........ | 30 |  | ${ }^{2}$, 285 |  |
| 4 | Delaware ................ | ¢, 8,73 | 2,218 | 6,491 | 2,562 |
| 5 | District of Columbia ..... | 320 |  | 160 |  |
|  | Geormia . | 441 |  | 885 |  |
| 8 | Illinois .. | 2308 |  | 18,374 | 1,400 |
| 8 | Indirna. | 5, 325 | 600 | $\bigcirc{ }^{2}, 819$ | ${ }^{1} 60$ |
| 10 | Kansas. | 1 |  | 1,695 |  |
| 11 | Kentacky ...... | 3,775 |  |  |  |
| 12 | Maine -..................... | 10, 19 |  |  |  |
| 13 | Marylaud................. | 2, 977 |  | 5,527 | 270 |
| 15 | Michigan........................ | 27,638 5,521 | 24,740 | 10, 255 | Gef |
| 16 | Minnesota ......... | 885 |  |  |  |
| 17 | Nebraska.................. | 88 |  | 1,000 |  |
| 18 | New Hampshire ... | 5,480 | 450 | 1, 100 |  |
| 19 | Tow Toisey .... | 1, 1,089 | 511 | $\stackrel{2}{7,089}$ | 4,209 |
| 20 | Now York...... | 23, 077 | 2,780 | 30, 235 | 2,835 |
| 21 | Narth Carolina . . . . . . . | 360 | 25 | 22 | 5 |
| 22 | Ohio ......................... | 13, 113 | 384 | 19,953 | 3,206 |
| 23 |  | 100 |  | 130 |  |
| 25 | Tennessee ........................ | 20,234 | 1,293 | 4,799 | 3, 527 |
| 26 | Utals ....... | 60 |  |  |  |
| 27 | Vermont............. | 2,620 |  |  | ...... |
| 28 |  | 780 |  |  |  |
| 80 | Wisconsin.... |  |  | 500 |  |
|  |  | 5,780 |  | 5,525 |  |

for principal industries: 1880-Continued.
17.-PAPER, NOT SPECTFIED-Continued.

| Producrs-continued. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { 关 } \\ & \text { 灾 } \\ & \underset{E}{E} \\ & \text { E } \end{aligned}$ |  |  |  |  |  |  |
| Tons. 14, 757 | Pounds. <br> 14, 750, 268 | Pounds. 200, 000 | Pounts. $8,125,957$ | Pounits. <br> 178, 719, 831 | $\begin{aligned} & \text { Dotluars. } \\ & 55,109,014 \end{aligned}$ |  |
| 10 | 10,000 |  |  | 300,695 | 386,197 27,300 | $\frac{1}{2}$ |
| 450 | $2,838,040$ 500,000 |  | $\begin{array}{r} 1,459,148 \\ 50,000 \end{array}$ | 10, 163,137 | 4, 337,550 | 3 4 4 |
|  |  |  |  | ........... | 70,400 | 5 |
|  |  |  |  |  | 221,572 | 6 |
|  | 80,000 |  |  | 12, 168, 000 | 1, 679, 6982 | 7 |
|  | 80,000 |  | 5, 5000 | 5,570,000 | 1,112, 193075 | 8 |
|  |  |  |  |  | 3,050 | 10 |
|  |  |  |  |  | 619,422 | 11 |
| 510 | 420,000 |  |  | 1,170,000 | 2,170,321 | 12 |
| 945 | 3, 706, 010 | 255, 000 | 878, 000 | 27, 607, 706 | 15,188, 196 | 13 |
| .......... | 408, 000 | 31, 000 |  | 4,331,216 | 1, 204, 064 | 15 |
|  |  |  |  | 600,000 | 183, 900 | 16 |
|  | 1180,000 |  |  | 7,604,000 | 5,000 1.731 .170 | 17 |
| 524 | -1836, 000 |  | 905, 776 | 7,607,000 | 1,731,170 | 18 |
| 8, 929 | 595, 381 | .-.......... | 1,224, 137 | 32, 365,518 | 8,524, 279 | 20 |
|  | 15,000 |  |  | 2780,000 | $\begin{aligned} & 145,000 \end{aligned}$ | 21 |
|  | 2, 395,000 |  | 8,000 | $\begin{array}{r}27,619,719 \\ 163,000 \\ \hline\end{array}$ | 5, 108,194 | 23 |
| 1,101 | 872,837 | 10,000 | 465, 896 | 20, 240, 850 | $5,355,912$ 17,975 | 25 |
|  |  |  |  | 202,500 | 12,000 | 26 |
| 1,688 |  |  | 1, 850,000 | 6, 9222,000 | 1, 237,484 | 27 |
|  |  |  | 490, 000 | 3,400, 000 | 201, 000 | 28 |
|  | 600,000 |  |  |  |  | 30 |
|  | -0, |  |  |  |  | O |

7400

Table LIV.-Manufactures: Special stalisticz Petroleum (see Mining). 18.-SALT.

for principal industries: 1880-Contimued.
PETROLEUM (see Mintiva).
18.-SALT.

19.-SALT, GROUND.


Tadme LIV．－－Manufaotures ：Special stalistice
20．－SHIPRUILDING：A－AGGREGATE．
［See remarks on page 920．］

| States and Terri－ tories． |  | $\begin{aligned} & \text { 菏 } \\ & \text { 品 } \\ & \text { 品 } \end{aligned}$ |  |  |  |  |  | 茈 |  | pmancipal ma－ terinlis． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |
| United States．． |  |  | $\begin{aligned} & \mathrm{NrO} \\ & 8,020 \end{aligned}$ | $\underset{10,507}{\text { No. }}$ | $N o .$ | ［408， 6782 | ${ }_{2} N_{0}$ | Dollars． 20， 979,874 | 21， 345 | $\begin{gathered} \text { Dollarss. } \\ 12,713,813 \end{gathered}$ | $39, \text { Feet. } 32$ | Feet. $7,506,048$ |
| 1 | Alaba |  |  |  |  |  | ，00． | 25 | 22， 500 | 0，000 |  |
|  | Arka |  |  | 3 | 300 | 3 | 2，500． | 25 | 3，600 | 32，000 | 24，000 |
| 3 | Californi |  |  | 21 | 7，361 | 62 | 1，806，923 | 534 | 589，564 |  |  |
| 4 | Connectic | 0 | 840 | 52 | 11，473 | 94 | 334，300 | 500 | 256， 849 | 2，777，000 | 604， 080 |
| 5 | Delaware | 100 |  | 55 | 31，123 | 18 | 935，200＇］ | 1，576． | 900， 322 | 1，060， 500 | 1，880， 500 |
| 0 | Florida |  |  | 18 |  | 48 | 30，750， | 46 | 33，580｜ | 95， 100 |  |
| 7 | Grorgia |  |  |  | 339 | 2 | 3，000 | 4 | 2，250 | 95， 000 | 8，000 |
| 8 | Minois |  |  | 11 | 1，397 | 28 | 457，000 | 405 | 247， 395 |  | 1，234， 5 |
| 9 | Indiana |  |  | $6{ }^{4}$ | 26，524 | 22 | 194，250， | 312 | 211， 730 |  | 1，569，100 |
| 10 | Io |  |  | 2 | 860 | 1 | 25，000： | 75 | 37，000． |  | 160， 000 |
| 11 | Kansas |  |  |  | 178 | 1 | 1，000 | 11 | 1，900 |  | 000 |
| 12 | Kentuc |  |  | 23 | 2，130 | 11 | 88，450 | 157 | 92，171 | ， 50 | 1，352，500 |
| 13 | Louisi |  |  | 36 | 1，231 | 38 | 152， 100 | 218 | 113， 526 | 233， 100 |  |
| 14 | Mraine．． | 970 | 1， 087 | 88 | 41， 396 | 379 | 811，750 | 1，967 | 838，559 | 13，882， 112 | 808 |
| 15 | Marylan | 138 | 712 | 131 | 71498 | 186 | 1，600，535 | 1，178 | 657，780． | 4，590，700 | 3，43 |
| 16 | Massachus | 3，705 | 3， 269 | 39 | 5，605 | 276 | 1，765，450 | 1，328 | 804，571 | 2，197，760 | 2，065，860 |
| 17 | Mich | 210 |  | 60． | 15， 909 | 72 | 476， 775 | 1，537 | 745， 933 |  | 2，485，600 |
| 18 | Minnesot |  |  |  |  | 1 | 10，000 | 16. | 8，000 |  |  |
| 19 | Mississippi |  |  | 3 | ${ }^{3}$ | 3 | 2，500． | 4 4 | 2，860 | 9， 000 |  |
| 20 | Missou |  |  | 17 | 3，451 | 14 | 247， 000 | 293 | 196，005 |  | 78， 000 |
| 21 | Neloraska |  |  |  |  | 1 | 300 | 9 | 1，400 |  |  |
| 22 | Now Hamps | 44 |  |  |  | 15 | 15，330 | 26 | 12，243 | 10，000 | 39，000 |
| $23$ | Now J | 134 | 2，680 | 53 | 7，450 | 93 | 943， 670 | 930 | 548，807， | 1，827， 500 | 1，665，300 |
| 24 | New | 1，221 | 6， 469 | 635 | 76，418 | 457 | 3，944，100 | 4，661 | 2，907， 129 | 7，852， 800 | 10，461 |
| 25 | Nort |  |  |  |  | 11 | 15，400 | 38 | 19，256 | 232，000 |  |
| 20 | Ohio | 01 |  | 55 | 25， 132 | 54 | 423， 050 | 773 | 414，300 | 40，000 | 1，937， |
| 27 | Oregon |  |  |  | 2，162 | 14. | 63，300 | 85 | 77，150 |  |  |
| 28 | Pennsylvan |  |  | 802 | 204，507 | 125 | 5，797， 731 | 3，208 | 2，270， 629 | 2，099，300 | 10，960， 800 |
| 29 | Khode Isla | 68 | 840 | 17 |  | 23 | 227， 700 | 318 | 191， 662 | 185， 000 | 78 |
| 30 | Sonth Carol |  |  | 27 | 1，615 | 10 | 46，300： |  | $55,990$ | 584， |  |
| 31 | Temmessee |  |  |  |  | 1 | 500 | ， | 600 | 8，000 | 3，000 |
| 32 | Texas |  |  | 16 | 758 | 16 | 23，350 | 43 | 30， 170 | 278， 100 | 8,300 |
| 33 | Vermont |  |  | 5 | 550 | 3 | 20，700． | 12 | 4，400｜ |  | 120，400 |
| 34 | Virgiu | 8 |  | ， | 514 | 65 | 185， 8 | 146 | 75，528 | 403， 000 | 30，30 |
| 35 | Washingt |  |  | 14 | 769 | 11 | 33， | ， | 51，29 |  |  |
| 36 | West Virgin |  |  |  | 16， 727 | 19 | 55，000 | 99 | 51， 510 |  | 2，003， |
| 37 | Wis |  |  | 21 | 3，079 | 24 | 208，700 | 474 | 203，573 |  | 1，081，1 |

for principal industries: 1880-Continued.
20.-SHIPBUILDING: A-AGGREGATE.
[See remarks on page 396.]


Table LIV.-Manufactures: Special statistics
20.-SHIPBUILDING: R--NEW VESSELS.

|  | States and Territories. |  |  |  | $\begin{aligned} & \text { 㤩 } \\ & \text { 呂 } \end{aligned}$ |  |  | PRINCIPAL <br>  | Cuterials. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | The United Statos. | $\begin{aligned} & \text { No. } \end{aligned}$ | 498,878 | No. $640$ | Dollars. <br> 8, 777, 150 | 10, 029 | Dollcors. <br> $5,616,071$ | $\begin{gathered} \text { Feet. } \\ 29,653,232 \end{gathered}$ | $\begin{gathered} F_{\text {eet. }} \\ 33,072,368 \end{gathered}$ |
| 1 | Arkansas. | 3 | 300 | 3. | 2,500 | 25. | 3,600 | 32,000 | 24,000, |
| 2 | California | 21 | 7,361 | 13: | 45, 050 | 181 | 199,485 |  |  |
| 3 | Connecticat | 52 | 11, 478 | 8. | 34, 700 | 211 | 106, 400 | 2,445, 000 | 151, 080 |
| 4 | Delaware | 55 | 31, 123 | 12. | 904, 400 | 1,105 | O23, 9977 | 1,881, 500 | 1,853,500 |
| 5 | Florida | 13 | 217 | 13. | 2,150 | 9 | 7,030 | 38, 100 |  |
| 6 | Georgia. | 2 | 539 | 2. | 3,000 | 4 | 2,250 | 95,000 | 8, 000 |
| 7 | Dlinois | 11 | 1,397 | 8. | 20, 250 | 50. | 24, 960 |  | 212,500 |
| 8 | Indiana | 64 | 26, 524 | 16 | 146, 450 | 246 | 172, 186 |  | 1, 434, 100 ; |
| 0 | Iowa.... | 2 | 880 | (a) | 5,000 | 20. | 11, 000 |  | 100, 000 |
| 10 | Kınяas | 1 | 178 | 1 | 1,000 | 11 | 1,900 |  | 30,000 |
| 11 | Kentucisy | 23 | 2,130 | , | 15,300 | 28 | 16, 721 | 2,500 | 512,500 |
| 12 | Lonisiana. | 36 | 1,231 | 27 | 9,900 | $34!$ | 21, 350 | 223, 100 |  |
| 13 | Maine .. | 88 | 41,396 | 51 | 433,200 , | 1,390 | 576, 502 | $13,166,072$ | 2,327,038 |
| 14 | Maryland | 131 | 7,499 | 37 | 100, 300 | 208 | 96, 405 | 527, 200 | I, 331, 200 |
| 15 | Marsachtreetts | 39 | 5,605 | 26. | 83,200 | 217 | 116, 50, | 1,066, 760 | 317, 550 |
| 16 | Michigan | 69 | 15, 909 | 47 | 178, 600 | 920 | 431, 058 |  | 1,577, 200 |
| 17 | Missisaippi | 3 | 33 | 2 | 1, 500 | 2 | 1,360. | 2,000 |  |
| 18 | Missouri. | 17 | 3, 4.51 | 10. | 59, 900 | 168 | 103, 705 |  | 7S, 000 |
| 19 | Nobraska | 1 | 52 | 1 | 200 | 9 | 3. 400 |  | 15, 000 |
| 20 | Now wersey | 53 | 7,455 | 30. | 309, 000 | 297 | 115, 488 | 1,122,500 | 130,700 |
| 21 | New York | 635 | 76,418, | 142 | 786, 250 | 1,742 | 884,887 | 5, 803, 000 | 7, 883, 600 |
| 22 | North Caroli | 8 | ${ }^{487}$ | 0 | 4,4001 | 12 | 5, 053 | 232,000 | 13, 000 |
| 4 | Ohio... | 55 | 25,132 | 21 | 214,350.\| | 429 | $232,63$ | 40,000 | 1,779,000 |
| 4 | Oregon. | 19. | 2,162 | 12. | 47, 060 | 64. | $57,950$ |  |  |
| 25 | Pexnsylvania. | 802 | 204, 507 | 58 | $5,184,200$ | 2, 221 | $1.525,120$ | L, 010,800; | 10,071, 500 |
| 26 | Rhoie Island | 17 | 379 | 2 | 40,500 | 63. | 38,000: | 60,000 | 70,000 |
| 7 | South Carolina | 27 | 1. 615 | 9 | 13,700 | 54. | 32, 530 | 460, 6100 | 10,400 |
| 8 | Temesser | 1 | 48 | $1{ }^{\text {l }}$ | 500 | 6 | 600 | 8.010 | 3, 000 |
| 29 | Texas. | 16. | 758 | 15 | 19,020) | 24 | 15,970 | 258, 100 | 8,300 |
| 90 | Vermont - | 5 | 550 | 3 | 20,700 | 12. | 4,400 |  | 120,400 |
| 31 | Virginia | 26. | 514 | 20. | 8,500, | 44. | 20, 180 | 165,000 | 16,360; |
| 32 | Washington | 14 | 1,769 | 8 | 2t, 000 | 49. | 37, 898 |  |  |
| 33 | West Virginia ......... | 85 | 16,727 | 18. | 48,000 | 87 | 45, 350 |  | 2,063,000 |
| 34 | Wisconsin ............... | 21 | 3,079 | $1{ }^{8}$ | 8it, 3004 | 167 | 82, 160 |  | 390, 100 |

n Included in "Repairing of ressols".
for principal industries: 1880-Continued.
20.-SHIPBUIIDING: B-NEW VESSELS.


Table LIV.-Manufactures: Special statistics
20.-SHIPBUILDING: C-REPAIRING OF VESSELS.

|  |  |  |  | $\stackrel{4}{6}$ <br>  |  | principal materials. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States and Territories. |  |  |  |  |  |  |
|  | The United States. | $\begin{aligned} & \text { No. } \\ & 812 \end{aligned}$ | $\begin{aligned} & \text { Dollars. } \\ & \text { 11, } 882,059 \end{aligned}$ | 10,671 | Dollars. $6,730,136$ | $\begin{aligned} & \text { Feet. } \\ & 9,279,340 \end{aligned}$ | Feet. $13,048,370$ |
|  | Alabama | 1 | 25,000 | 25 | 22,500 | 30,000 |  |
| 2 | California | 40 | 1,754, 423 | 326 | 368, 746 |  |  |
| 3 | Connecticat | 23 | 279, 980 | 255 | 134,520 | 330, 000 |  |
| 4 | Delurfare. | 5 | 25, 800 | 465 | 272, 713 | 85, 000 | 80, 000 |
| 5 | Florida | 6 | 25,700 | 25 | 18,600 | 41,000 |  |
| 8 | Ilinois | 17 | 485, 450 | 408 | 218,635 | ...... | 1,010,000 |
| 7 | Indiana | 5 | 47,000 | 63 | 37, 950 |  | 138,000 |
| 8 | Towa. | 1 | 20,000 | 55 | 20,000 |  |  |
| 9 | Kantuck ${ }^{\text {a }}$ | 5 | 73, 000 | 127 | 75, 000 |  | 810,000 |
| 10 | Lonisiana | 9 | 139,700 | 173 | 85, 176 | ... |  |
| 11 | Maine | 100 | 346. 775 | 520 | 238, 380. | 716,040 | 519,870 |
| 12 | Marrland............. | 70 | 1,497,125 | 931 | 542,529 | 3,834, 000 | 2, 077,000 |
| 18 | Massachusetts......... | 140 | 1, 586,925 | 974 | 610,917 | 1,130,000 | 1, 048,700 |
| 14 | Michigan - | 17 | 200, 700 | 603 | 307, 943 |  | 800, 000 |
| 15 | Minnesota | 1 | 10,000 | 16 | 8, 000 |  |  |
| 16 | Mississippi | 1 | 1,000 | 2 | 1,500 |  |  |
| 17 | Missonti.. | 4 | 188,000 | 125 | 92, 300 |  | 700, 000 |
| 18 | New Hampshice...... | 7 | 11, 930 | 22 | 10, 048 | 10,000 | ${ }^{23} 3,000$ |
| 19 | New Jersey | 48 | 631, 700 | 679 | 419,992 | 705,300 | 1, 210,100 |
| 20 | Now York. | 192 | 3,126,500 | 2,750 | 1,908,892 | 1,758,000 | 2,431, 700 |
| 21 | North Carolina | 5 | 11.000 | 26 | 14, 200 |  |  |
| 22 | Ohio.. | 28 | 202, 600 | 333 | 174, 142 |  | 188, 000 |
| 23 | Oregon | 2 | 16,300 | 21 | 19,200 |  |  |
| 24 | Penusylvania. | 48 | 599; 281 | 1,044 | 733, 795 | 178,000 | 820,006 |
| 25 | Rhode Island. | 8 | 172,000 | -234 | 144,927 | 125, 000 | 77, 010 |
| 26 | South Carolina. | 7 | 32, 600 | 40 | 23,460 | 115,000 |  |
| 27 | Texas | 1 | 5,300 | 19 | 14, 200 | 20,000 |  |
| 98 | Vixginia.... | 13 | 175, 800 | 89 | 49, 448 | 202, 000 | 14,000 |
| 29 | Waskington ........... | 2 | 8,000 | 12 | 12,400 |  |  |
| 30 | West Virginia | 1 | 7,000 | 12 | 6,160 |  | 30,000 |
| 31 | Wisconsin | 6 | 145,500 | 297 | 135, 663 |  | 670, 000 |

for prineipal indurstries : 1880-Continued.
20.-SEIPBUILDING: C-REPAIRING OF VESSELS.

| Principal materialsmontinued. |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 号 |  |  |  |  |  |  |  |
| Fect. 16,505, 620 | $\begin{gathered} \text { No. } \\ 23,527 \end{gathered}$ | $\begin{gathered} \text { Fect. } \\ 45,355,100 \end{gathered}$ | Pounds. 20,016,654 | Pounds. <br> $6,355,383$ | $\left\lvert\, \begin{gathered} \text { Fards. } \\ 3,965,105 \end{gathered}\right.$ | Pounds. 586, 800 | Pounds. 388,200 | $\begin{aligned} & \text { Dosars. } \\ & 7,422,914 \end{aligned}$ | Dotiturs. 16,697,614 |  |
|  |  | 30,000 | 40, 000 | 20,000 |  |  |  | 25,000 | 60, 000 | 1 |
| 89, 000 | 6 | 2, 654, 000 | 277, 700 | 1,007,080 | 130, 000 | 40,000 | 20,000 | 303, 992 | 969, 398 | 2 |
| 258.500 | 1, 135 | 1,233, 200 | 200, 800 | 32,500 | 56, 165 | 2,000 | 3,000 | 119, 789 | 317, 451 | 3 |
| 180, 006 | 550 | 293, 000 | 1, 617,000 |  | 19, 000 |  |  | 195,825 | 520, 007 | 4 |
| 4,000 |  | 68,000 | 66,000 |  | 13,000 |  |  | 18,000 | 44,000 | 5 |
| 3,000, 000 |  | 4,240,000 | 763, 000 | * | 760,000 |  |  | 388, 810 | 745, 743 | 0 |
| 300, 000 |  | 435, 000 | 202,500 |  | 15,000 |  |  | 28,050 | 80, 575 | 7 |
| 20,000 |  | 20,000 | 24,000 |  | -2, |  |  | 2,000 | 42,000 | 8 |
| 1,100, 000 |  | 2,310,000 | 240, 000 |  |  |  |  | 64, 300 | 161,800 | 9 |
|  |  |  |  |  | 76,000 |  |  | 84,325 | 202,400 | 10 |
| 423,590 | \$, 497 | 2, 290, 100 | 1, 130, 443 | 146,354 | 371,740 | 32, 200 | 38,200 | 376,917 | 681, 378 | 11 |
| 787,000 | 1.750 | 6, 832, 000 | 2, 041, 150 | 510,374 | 380, 000 | 80,000 | 120,000 | 666, 296 | $1,423,370$ | 12 |
| 871,800 | 3, 405 | 13, 539, 300 | 1, 020,450 | 1, 024,620 | 380, 300 | 46, 100 | 82,000 | 836, 478 | 1, 703, 284 | 13 |
| 870,000 | 1,610 | 1, 761, 000 | 1, 150, 000 | I, 800 | 95,000 |  |  | 243, 347 | 631, 469 | 14 |
|  |  |  |  |  |  |  |  | 500 | 2,000 | 16 |
| 1, 530,000 |  | 2, 708,000 | 550,000 |  |  |  |  | 82, 010 | 206,700 | 17 |
| 1 8,000 | 50 | 49,000 | 6,500 |  | 10, 900 |  |  | 12,284 | 25,630 | 18 |
| 1, 010, 900 | 2, 193 | 3,331, 300 | 879, 204 | 185, 473 | 60, 000 | 5,000 |  | 384, 058 | 940, 455 | 19 |
| 3,401,900 | 6,060 | 8,829,900 | $6,255,829$ | 3,007, 718 | 762,000 | 114, 500 |  | 2,021, 964 | 4, 575,501 | 20 |
|  |  |  |  |  |  |  |  | 17, 200 | 34.569 | 21 |
| 351,000 | 270 | 497, 000 | 933, 000 | 16, 000 | 120,000 |  |  | 155, 700 | 400, 210 | ${ }^{212}$ |
|  |  |  |  |  |  |  |  | 10,100 | 29,900 | 33 |
| 505,000 | 775 | 1, 688, 000 | T, 087, 500 | 381,964 | 578,000 | 267, 000 | 125,000 | 883, 895 | $1,965,324$ | 24 |
| 112,000 | 250 | 314,000 | 498, 078 | 13,000 |  |  |  | 189, 183 | 360, 431 | 25 |
| 24, 0100 |  | 145, 000 | 57,000 |  | 13,000 |  |  | 17, 700 | 51,100 | 26 |
| 10.000 |  | 30, 000 | 16,000 |  |  |  |  | 5,400 | 22, 000 | 27 |
| 01,000 | 290 | 307,000 | 47, 500 | 8,500 |  |  |  | 40, 638 | 109, 174 | 28 |
|  |  | 18, 000 | 9,000 |  |  |  |  | 6,800 | 21,000 | 29 |
| 30,000 |  | 60,000 | 22,000 |  |  |  |  | 2,300 | 9,900 | 30 |
| 1,005, 000 | 680 | 1,752,000 | 288,000 |  | 125,000 |  |  | 123,673 | 310,405 | 31 |

Table LIV.-Manafactures: Special statistics 20.-SHIPBUIIDING: D-BOATS.

|  | States and Territories. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | The United States..... | $\begin{aligned} & \text { No. } \\ & 8,026 \end{aligned}$ | $\begin{aligned} & \text { No. } \\ & 736 \end{aligned}$ | Dollars. 320, 685 | 633 | $\begin{gathered} \text { Doilars: } \\ 367,006 \end{gathered}$ |
| 1 | California. | 200 | 9 | 7,450 | 27 | 21,333 |
| 3 | Conneeticut | 280 | ${ }_{1}^{4}$ | 19,700 | 3 | 13,929 |
|  | Florids .... | 45 | 29 | 2,900 | 12 | 7,950 |
| 5 | Illinois .... | 85 | 3 | 1,300 | 7 | 3,800 |
| 6 | Indiana......... |  | 2 |  | $\stackrel{3}{3}$ | 1,600 |
| ${ }_{8}^{7}$ | Kertuaky ........................... | ${ }_{50}^{25}$ | $\frac{1}{2}$ | 2, 5150 | $1{ }^{2}$ |  |
| 9 | Maine ...... | 970 | 228 | 31,775 | 57 | 23,677 |
| 10 | Maryland.......... | 133 | 59 | 0, 110 | 39 | 18,855 |
| 11 | Mnasachusetts. | 3,765 | 110 | 95, 325 | 137 | 77,004 |
| 12 | Michigan ......... | 210 | 8 | 7,475 | ${ }_{4}^{14}$ | $\begin{array}{r}6,932 \\ \hline, 195\end{array}$ |
| 14 | New Hempshire........... | ${ }_{134} 13$ | ${ }_{15}^{8}$ | -3,400 | 24 | ${ }_{13,327}^{2,105}$ |
| 15 | New Yorli........ | 1,221 | 123 | 81, 300 | 169 | 113, 350 |
| 16 | Ohio | 91 | 5 | 6,100 |  | 7,605 |
| 17 | Penusslmaia | 318 | 19 | 14,250 | 33 | 20,714 |
| 18 | Rhode Pslatac . |  | 12 | 15,200 | ${ }^{21}$ | 11,735 |
| 19 | Virgria | 48 | ${ }_{3}^{32}$ | 1, 660 | ${ }_{1}^{13}$ | 5,698 1,000 |
| 20 | Washington ...................... | 80 | 1 | 1,000 | 1 | 1,000 |
| 21 | Wisconsin | 77 | 5 | 1,900 | 10 | 5,750 |

for principal industries: 1880-Continued.
20.-SHIPBUILDING: D-BOATS.


Table LIV．－Mfanwfactures：Spocial statistics
20．－SEIPBUILDING：E－OCEAN，COAST，AND RIVER VESSELS．

|  |  | $\begin{aligned} & \dot{4}, ~ \\ & \stackrel{y}{\mathrm{~g}} \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 䔍 } \\ & \text { E. } \end{aligned}$ | \％ <br>  |  | PRINCIPAL MATE－ hiats． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | States apd Territo－ ries． |  |  |  |  |  |  |  | $\begin{aligned} & \text { 总 } \\ & \text { 㭸 } \end{aligned}$ |  |
|  | The United States． | $\underset{7,240}{N o}$ | $\stackrel{N}{\text { No．}}$ | 150， 325 | $\begin{gathered} N_{0} \\ 1,6551 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Dotzars. } \\ & 16,806,599 \end{aligned}$ | 14， 284 | Dollars, | $\begin{gathered} \text { Fect. } \\ 38,501,2721 \end{gathered}$ | $\underset{16,434,348}{\text { Feet }}$ |
| $\frac{1}{2}$ | Alabama | 200 |  | 7361 | ${ }_{6}{ }^{3}$ | $\begin{array}{r} 25,000 \\ 1,806,923 \end{array}$ | 534 | 23， 500 | 30，000 |  |
| 3 | Connecticu | 280 | 52 | 11，473 | 94 | 1，334，300 |  | 2551,849 | 2，773， | 604， 080 |
| 4 | Delaware． | 100 | 55 | 31， 123 | 18 | ${ }^{935,200}$ | 1，5769 | 900， 3 32， | 1，960， 950 | 1，880， 200 |
| 5 | Florida | 45 | 13 |  | 48 |  |  |  |  |  |
| ${ }_{7}^{6}$ | Georgia． | 80 | 28 | $\begin{aligned} & 589 \\ & 864 \end{aligned}$ | ${ }^{2}$ | $\begin{array}{r} 3,000 \\ 147,900 \end{array}$ | 204． | 102， 2,280 | － 185,0009 | $\begin{array}{r}8,000 \\ \ldots . .0 \\ \hline 10\end{array}$ |
| 8 | Maine | 970 | 8 | 41，3ve | 399 | 811， 750 | 1，967 | 833，559 | ［13，882，112］ | 3， 664,208 |
|  | Maryland．－ | 133 | 71 | $3,2+9$ | 159 | 1，587，535： | 1， $1.103{ }^{\text {a }}$ | ${ }^{694}$ | ［ 4 2，197， 760 |  |
| 10 | Massachusetts．． | 3，765 | 39 | 5， 005 |  | 1，765， 450 |  |  |  |  |
| 11 | Mississippi |  | 3 | ${ }^{33}$ | 15 |  | ${ }^{4} 0^{4}$ | 12， 2 2，${ }^{2}$ | 30，000 |  |
| 13 | New Jersey－．．．．． | 134 | 43 | 6，445 | ${ }_{14}$ | 821， 170 | 787 | 464， 76.2 | 1，776， 800 | 1，491， 600 |
| 14 | New York．．．．．．．． | 1，061 | 159 | 22， 574 | 275 | 2，601， 8500 | 2， $8^{2312}$ | 2，041， 18.8 | 7，145，200 | 2，748，505 |
| 15 | North Carolina |  | 8 | 487 | 11 | 15， 400 | 38 | 19，256 | 232，000 |  |
| 16 | Oregon |  | 19 |  | 14 | 63，300． |  | 77， 150 |  |  |
| 17 | Pennsylvanja | ${ }^{3} 8$ | 33 | 20，963 | 55 | 5，324， 231 | 2，5888 | 1，890， 63.3 | 2，091， 300 | $2,180,500$ <br> 178,300 <br> 1800 |
| 13 | Rhodo Islaut ． | 68 | ${ }_{27}^{17}$ |  | 保 | －4， 400 | ${ }_{94}$ | 5，500 | 544， 800 | 10， 400 |
| 190 | Tөxas．．．．．．． |  | 16 | ${ }^{1} 758$ | 18. | 23， 350 | 43 | 30， 170 | 278， 100 | 8，300 |
| 21 | Virginia | 48 | 23 |  | 63 | 184， 660 | 132 | 71， 120 | 418，000 | 30，300 |
| 22 | Washington ．．．．．．．． | 80 | 14 | 1，269 | 11 |  |  | ， 20 |  |  |

for principat industries: 1880-Continued.
20.-SHIPBUILDING: E-OCEAN, COAST, AND RIVER VESSELS.


TABLE LIV.-Nemuftwoturea: Special statiatio
20.-SHIPBUILDING: F-NORTHERN LAKES.

20.—SHIPBUILDING: G-WESTERN RIVERS.

|  | The United Statos . - | 157 | 899 | 242,034 | 150. | 1,227,500 | $1,090^{1} 1$ | $1,183,072$ | 181,500 | 16,008, 600 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Arkanse |  | 3 | 300. | 3 | 2, 500; | 25 | 3. 60001 | 32,000 | 24, 000 |
| 2 | Illinois |  | S | 1,259 | $7!$ | 102,000 | 118 | (6). 720 |  | 766,600 |
| 3 | Indiana. | 52 | 64. | 26,504 | 23 | 194, 250 | 312 i | 211,780 |  | 1, 560, 100; |
| 4 | Iowa |  | 2 | 860 | 1 | 25,000 | 75 | 37,0001 |  | 160, 000 |
| 5 | Kausas |  | 1 | 178 | 1 | I, 000 , | 11 | 1,900, |  | 30, 000 |
| 6 | Kentucky | 25 | 23 | 9, 130 | 11. | 88, 450 | 157 | 92, 171! | 2, 500 | 1,352, $50 \mathrm{t}^{\text {a }}$ |
| 7 | Lovisiana |  | S | 36 | 7 | 4,200 | 15 | 10, 900 | 90, 000 |  |
| 8 | Minnesota |  |  |  | 1 | 10, 000, | 10 | 8,000 |  |  |
| 9 | Missonri |  | 17 | 3,451 | 14 | 247,900 | 293 | 190, 1003 |  | 078, 1000 |
| 10 | Nebraska |  | 1. | 5 | 1 | 300 | 9 | 1,400' |  | 153, 000 |
| 11 | Ohio |  | 36 | 17,064 | 1.4 | 155, 000 | 205 | 153, $420^{\prime}$ | 40,000 | ], $34 \mathrm{c}_{0}$, 109 |
| 12 | Pennsylvani | 80 | 647 | 172, 834 | (10) | 320, 400 | 520. | 310, 360 |  | 7, $2 \mathrm{Eg}, 160$ |
| 13 | Tennessee |  | 1. | 10, 48 | 1 | $500$ | 6 | ${ }^{600}$ | 8,000 | $\begin{array}{r} 3,000 \\ 0 \end{array}$ |
| 14 | West Virginia |  | 85 | 16,727 | 10 | 5\%, 000 | 99 | $51,510$ |  | $2,093 . \text {, } 1$ |
| 15 | Wistonsia |  | 3 | 300 | 2 | 21,000 | 74! | 38,750 | ... | 80, 000 |

20.-SHIPBUILDING: H-CANAL-BOATS.

|  | The Dnited States.. |  | ${ }^{643}$ | $\underline{00,707}$ | 150 | $\underline{1,080,450}$ | 1,713 | $773,280$ | $\xrightarrow{011,000}$ | 0,111, 800 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Illinois |  | 1. |  | 9 | 2.700 | S |  |  | 10, $000 \%$ |
| 2 | Marylama |  | $6)^{\text {a }}$ | 4,970 | 7 | 10,000, | 75 | 33, 950 | 3, 000 | 1, ${ }^{2} 55,000$ |
| 3 | New Jersey |  | 10. | 1, 010 | 19. | 121,900 | 1.431 | 79, 414 | 51, 000 | 248,700 |
| 4 | New York'. |  | 411 | 49, 88\%: | 123 | 749, 7501 | I, 211 | 54, 000, | 504, 600 | 0, 309 |
| 5 | Onio |  | 1 | 11 | 14 | 22, 000 | 68 | 29, 035 |  | 6, 000 |
| 6 | Pennsylvania |  | 129 | 10,711 | 19 | 143, 100 | 182 | 74, 8.16 | 8,000 | 1,185, cit |
| 7 | Vurmont..... |  | 5 | - 550 | 3 | 20, 700 : | 12: | 4, >01) |  | 120,400 |
| 8 | Virginia . . . . . . . . . . . . |  | 3 | 180 | ${ }^{3}$ | 1,300 | 14 | 4, 400 | 75, 0000 |  |

20.-SHIPBUILDING: I-IRON VESSELS.

for principal industries: 1880-Continaed.
20.-SHIPBUILDING: F-NORTHERN LAKES.

20.-SHIPBUILDING: G-WESTERN RIVERS.

| 20,619,000 | 41, 684,100 | 15, 141, 519 | 170, 950 | 102, 150 | 322, 310 |  | 2, 856, 745 | 4, 450, 587 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 125,000). | 171,000 | 176,000 | 3,100 | 700 | 900 |  | 21,700 | 28,000 | 1 |
| 1,850, 500. | 2,867, 500 | 622,400 | 6,400 | 1,350 | 2,430 |  | 133, 190 | 232,960 | 2 |
| 4, $878,300$. | 7,046, 400 | 3, 173, 600 | 47, 900 | 28, 800 | 36, 300 |  | 590, 840 ; | 810,655 | 3 |
| 306, 000. | 460, 000 | 139,000 | 4,000 | 1,600 | 1,250 |  | 63, 000 | 112,000 | 4 |
| 60, 000. | 90,000 | 72,000 | 2,000 | 400 | 380 |  | 23,000; | 26,000 |  |
| 1, 4,51, 000. | 3, 201,000 | 569, 609 | 3,700 | 2, 250 | 2,350 |  | 126, 5004 | 249,015 |  |
| 33,000. | 183,000 | 260, 000 | 8,700 | 1,400 | 2,250 |  | 40, 500 | 64, 100 |  |
| $2,165,5001$. | $3,386,500$ | 2,421, 20 | 8,000 | 4,600 | 4,150 |  | 313, 302 | 565, 187 |  |
| 23,000. | 38, 000 ! | 18,000 | 400 | 200' | 300 |  | 7, 000 | 9,000 | 10 |
| 3,408,000. | 5,182, 000 | 3,419,600 | 51,100 | 17,150 | 00,7001 |  | 484, 200 | 701, 700: |  |
| 4, $908,700$. | 15, 352, 700 | 3,692,660 | 36, 650 | 3S, 400 . | 203,700 |  | 922, 113 | 1, 355, 340, |  |
| 18,000. | 99,000 | 28, 000 | 300 | 2001 | 300 |  | 4, 100: | 5,000 |  |
| 1,223,600. | 3, 303, 000 | 389, 300 | 3,200 | 3, 900 | 0,400 |  | 162, 300, | 201, 1300 |  |
| 200, 0000 | 280, 000 | 100,000 | 1,500 | 1, 200 | 900 |  | 7,360 | 45, 000 | 15 |

20.--SHIPBUILDING: H-CANAL-BOATS.

| 10, 115, 400 | 8,360 | 21, 437, 200 | 5, 508, 071 | 9,350 | $115{ }^{1} 655$ | 1,225,374 | 2, 329,345 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24,000 | 18. | 34,000 | 1,500 | 200 |  | 2, 600 | 8,300 |
| 922, 000 | 18 | 2, 180,000 | 655, 000 | 200. | 12, 580 | 69, 500 | 114, 500, |
| 305, 900 | 455 | 630,600 | 135, 565 | 8,000 | 950 | 65,930 | 169, 800 |
| 6, 413,110 | 5, 152 | 15, 115, 400 | 4, 051, $074^{\prime}$ |  | 81, 085 | 000, 184 | 1, 695, 135 |
| 20, U00: | 16 | 26,000. | 4,400. |  | 180 | 15, 360 | 53,860 |
| 1, 006, 000 | 2,605 | 3, 180, 006 | 584, 532 | 950 | 15, 840 | 159, 000 | 260,950 |
| 03,800 | 102 | 184, 200 | 52, 000 |  | 1,420 | 9, 200 | 17, 801 |
|  |  | 75,000 | 24,000. |  | 600. | 3,600 | 9,000 |

20.-SHIPBUILDING: I-IRON VESSELS.

| 609, 100 | 6, 663, 100 | 54, 326, 737 | 501, 332 | 47,000 | 51, 450 | 31,400 | 2, 851, 073 | 6, 394,838 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 317,000 | 2,425,000 1 | 11, 981, 186 | 118,945 | 17,800 | 15,700 | 8,000 | 692, 435 | 1, 708, 345 |
| 1,000 | 6,000 | 488, 000 |  |  | 250 |  | 28,000 | 177, 500 |
|  |  | 196,000 |  |  |  |  | 35,000, | 80,000. |
| 40,000 | 325,000 | 4,502, 000 | 16,000 | 2, 400 | 1,500 |  | 187,000. | 387, 500 |
| 41,500 | 163, 500 | 1, 585, 000 | 4,000 | 2,500 | 1,500 |  | 153,000 | 241, 000 |
|  |  |  |  | 800 |  |  | 39,200 | 104, 875 |
| 17,100 | 76, 000' | 1, 875, 000 | 5,000 | 1,100 | 1,900 |  | 55, 000 | 116, 000 |
| 330, 000 | 3,623, 000 | 33, 499,551 | 341,387 | 22, 400 | 29,800 | 23,400 | $1,661,438$ | 3,584,618: |

Table LIV.-Mxmufactures: Special statistics
21.-SILK AND SILK GOODS.

a Silk material is "twios included" when, for instance, it appears first as "raw silk" in the retarns of a throwster, and secondly as "thrown silk" or "fringe silk", being again reported as raw material in the retnrn of a weaver or fringe malier. The number of pounds of raw silk accounted for in the returns is $2,690,482$, which agrees very fairly with the import of the fiscal rear, $2,562,236$, the atock on hand being somowhat lighter at the close than at the beginning of the yeas.
$b$ Silk products twice included are deducted from the gross production, leaving a resnlt which it will In noticed exactly agrees with the value of finished goods as given by the returns. The reasons for this dednetion aru sinilar to those which aphy to the values of raw waterials. While the total production, as represented by reports amounting to $\$ 11,033,04 \overline{0}$, covers only a real valuo of product amomin-
for principal industries: 1880-Continued.
21.-SILK AND SILK GOODS.


| matteria | s-cont'd. | Producrs. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
| Dollars: | Dollars. <br> $18,569,106$ | Pounds. <br> 1521, 528 | Yavds. $10,856,284$ | Fards. $30,129,951$ | $\begin{aligned} & \text { Pound. } \\ & 710,149 . \end{aligned}$ | Dollarg. | Dollars. $4 \mathrm{I}, 038,045$ | Dollars. $34,519,723$ |  |
| 14, 695 | 66,460 | 9,500 |  |  | 4,650 | 28,470 | 159, 175 | 130,705 | ${ }^{2}$ |
|  | 3,016, 016 | 394, 981 | 2, 253, 070 | 8, 541, 235 | 12, 6923 | 442, 025 | $\begin{array}{r}5,881,000 \\ 24.1 \\ \hline\end{array}$ | 5, 438,075 244,150 | $\frac{2}{3}$ |
|  | 150 |  |  | 3,-709 |  |  | 540 |  | 4 |
| 25, 000 | 36,395 | 4, 225 |  |  |  | 50,485 | 81, 585 | 31, 100 | 5 |
|  | 15,760 |  |  |  |  |  |  |  | 6 |
| 121, 000 | 1,869, 515 | 273,816 | 99,120 | 573,320 | $\begin{array}{r}39,789 \\ \hline 65\end{array}$ | 273, 167 | $3,764,260$ 2 2,500 | . $3,491,003$ | 7 |
| 2,750 | 8, 838 | 1, 300 |  |  | ${ }_{6}^{63}$ | 6, 300 | 2,500 15,000 | 2,500 8,700 | ${ }_{9}^{8}$ |
| 2, 502,400 | 7,176, 136 | 25, 580 | 6,975, 655 | 8,704, 100 | 50, 400 | 4, 271, 185 | 17, 122, 230 | 12,851,045 | 10 |
| 533,600 | 4,798, 204 | 88,765 | 1,427,439 | 10,302,696 | 403,330 | 802, 115 | 10, 170, 140 | 9,308,025 | 11 |
| 404,000 | 19,495 $1,426,985$ | 23, 110 | 101,000 | 1,915,000 | 2,187 | 038, 675 | 53,110 $3,492,840$ | 2,853, 105 | 13 |
|  | 7,500 |  | 10, | 1, | 1,900 |  | 10, 100 | -10,000 | 1.4 |
|  | 1,210 | 251 |  |  |  |  | 2,100 | 2,100 | 15 |

ing to $\$ 34,519,723$, it should be noted that the products of partial mannfactare go for the most part to be finished in connties and often in states other than those where ther origmate. Hence in many cases the gross production of a county or state more nearly represents jits iodustry than would the rame of its finished goods. For instance, the gross production of Passare county, New Jersoy, $\$ 14,164,405$, is mash nearcr the total value of its industry than $\$ 10,003,005$, the value of its completed goods, hecause the greater part of the thrown and fringe silk producod ha Patorson, New Jersey, is not wade into goods there, bat goes elsowhere, chiefly to Now Fork city; and the same is irug, to a groat uxtent, of the added value from spooling, winding, dyeing, and refinishing; those procesges being largely applied in New Jersey to goods velonging in other states.

## 75 O

Table LIV.-Manufactures: Special statistics
22.-SLAUGHTERING AND MEAT-PACKING.
[NoTx.-The statistics of retail slaughtering establishments are not included in this statement.]

a The average is based upon the omission in computation of
55,199 beeves in Illinois, bought dressed, the arerage weight of which was 500 pounds.
3,733 beeves in New Fork, bought dressed, the average weight of which was 600 pounds.
And
131,059 calves in New York, the average weight of which was 139 pornds.
3,120 calves in Pennsylvania, the average weight of which was 200 pounds.
for principal industries: 1880-Continued.
22.-SLAUGHTERING AND MEAT-PACKING.
[Nore.-The statistics of retail slaughtering establishmonts are not incinded in this statement.]


Table LIV.-Manufactures : Special statistics
22.--SLAUGHTERING AND MEATT-PACKING-Continued.

|  | States. | Materials-continued. |  |  | products. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | The United States... | Dollars. $256,738,905$ | Dollars. $10,399,997$ | Dollats. 267, 738, 902 | Pounds. $75 Q_{1} 142,875$ | Pounds. <br> 101, 371, 199 |
|  | Arkansas | 59, 200 | 1,975 | 61, 175 | 1,560,000 |  |
| 2 | California | 5, 922,948 | 226, 675 | 6, 149, 223 | 54, 530,967 | 120,000 |
| 3 | Culorado.. | 889, 215 | 36,850 | 922,005 | 10, 371, 750 | 50,000 |
|  | Connecticat | 4, 021, 700 | 167,451 | 4, 189, 151 | 7, 623, 907 |  |
| 5 | Delaware. | 164, 368 | 15,000 | 179, 308 |  |  |
| 6 | Georgia. | 260, 791 | 2,280 | 269, 077 | 1, 881, 000 |  |
| 7 | Illinuis | 79, 670,478 | 4, 970,240 | 84, 6-43, 718 | 144, 379, 073 | 91, 227,699 |
| 8 | Indiana. | 13, 058,071 | 567, 856 | 13,645, 927 | 35, 150, 000 |  |
| 9 | Town | 9,169,587 | 827, 258 | 9, 996, 815 | 2, 649, 123 |  |
| 10 | Kansas | 3, 885, 261 | 435, 541 | 4,320,802 | 3, 368, 430 | 1,500,000 |
| 11 | Kentreby | $3,588,522$ | 105,537 | 3,644, 069 | 1,553,400 |  |
| 19 | Lonisiana. | 1, 3600000 | 15,000 | 1, 375,000 | 19,000,000 |  |
| 13 | Maine | 993, 240 | 15,365 | 1, 008, 005 | 5,230, 000 |  |
| 14 | Mrayland. | 3, 104,587 | 59,215 | 3, 168, 802 |  |  |
| 15 | Massachusetts | 20,325; 635 | 331, 675 | 20,657, 330 | 90, 025, 843 |  |
| 10 | Miehigan | 1,560, 684 | 112,705 | 1,712, 479 | 2, 528,620 |  |
| 17 | Minnesota | 673, 601 | 42,552 | 716, 353 | 3,374, 587 |  |
| 18 | Missouri. | 11,870, 017 | 482, 390 | 12,352,907 | 12,939,493 | 1,713,500 |
| 19 | Nebraska. | 1, 062, 043 | 35,796 | 1,097, 839 | 3,717,267 |  |
| 20 | New Jersey | 19,203, 053 | 145,783 | 19,049,435 | 48,766, 546 | 70,000 |
| 21 | New Tork. | 39,479,547 | 670,303 | 40,140,850 | 287, 119, 576 | 600, 000 |
| 22 | Ohio.. | 16, 480,392 | 693,054 | 17, 173, 446 | 18,579, 810 |  |
| $2{ }_{24}^{23}$ | Oregon ......- | 194,002 | 11,425 | 205, 517 | 3,206, 607 |  |
| 24 | Pennsylvania | 8,570, 372 | 284, 400 | 8,854,778 | 30, 367, 307 | 100,000 |
| 25 | Rhode Island. | 3,306,589 | 143, 297 | 3,449, 810 | 19,460,000 |  |
| 26 | Tennesseo. | 980,792 | 29, 900 | 1. 019,699 | 5,819,500 |  |
| 27 | Texas | 215, 320 | 64, 900 | 280, 220 | 1,036,600 | 5, 990, 060 |
| 28 | Virginia..... | 9£2, 600 | 25, 300 | 967,900 | 550,060 |  |
| 37 | West Virginia Wisconsin.... | 957,500 | 16,340 | 273, 840 | 313,45 |  |
| 30 | Wisconsin... | 5, 405, 081 | 443,402 | 5, 838,483 | 4, 039,080 |  |

for principal industries: 1880-Continued.
22.-SLAUGHTERING AND MEAT-PACKING-Continued.

| Prodects-continued. |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\underset{H}{\underset{H}{\mathrm{H}}}$ |  |  |  |
| Pounds. 90, 763,460 | Pounds. $106,602,210$ | Pounds. 506, 077, 053 | $\begin{gathered} \text { Pounds. } \\ 850,045,987 \end{gathered}$ | Pounds. $1,122,742,810$ | Pounds. $501,471,698$ | Dollars. <br> 10, 릉, 091 | Dollars. <br> 303, 562, 413 |  |
|  | 66, 000 | 64,000 | 70,000 | 56,000 | 32,000 | 24,000 | 85, 680 |  |
| $7,222,610$ | 18,719, 399 | 13, 290, 250 | 9, 634, 136 | 9,970,414 | 4, 388, 650 | 1,050, 475 | 7, 953, 914 |  |
| 140,800 | 1, 822.840 | 1, 517,808 | 150,500 | 116, 500 | 344, 650 | 73,076 | 1,082,000 |  |
| 100, 000 | 952, 211 | 6, 387, 109 | 6, 000,029 | 20, 505, 794 | 9,386, 300 | 146,816 | 4, 669,540 |  |
|  |  | 820, 000 | 810,000 | 106,124 | 354, 710 |  | 198,000 |  |
| 130,000 | 198,575 | 1, 200, 000 | 718,000 | 250, 000 | 128,900 | 20, 146 | 300,093 |  |
| 44, 588,011 | 2, 265, 592 | 80, 861, 497 | 305,732, 979 | 474, 019, 462 | 100, 006, 883 | 4, 448, 272 | 97, 891, 517 |  |
| 410, 000 | 174, 000 | 10, 610, $4777^{\prime}$ | 65, 507, 850 | 55, 239, 896 | 21, 605, 686 | 460, 144 | 15, 209, 204 |  |
| $\begin{array}{r} 214,100 \\ 2,05,720 \end{array}$ | 227,585 241,400 | $10,639,668$ $2,728,784$ | $80,783,733$ $12,816,863$ | $\begin{aligned} & 47,718,586 \\ & 38 \end{aligned}$ $38,288,268$ | 32, 016, 432 | 148,938 88,265 | $\begin{array}{r} 11,285,035 \\ 5,618,714 \end{array}$ |  |
| 300, 000 | 639, 800 | 2, 603, 854 | 25, 530, 124 | 22, 850, 399 | 8, 073, 220 | 133, 043 | 4,538,888 | 11 |
|  | 1,100, 000 | 3,300, 000 |  |  |  |  | 1,500, 000 | 12 |
| 204, 000 | 20,000 | 551, 000 | $\text { 1, } 504,000$ | $\begin{array}{r} 728,000 \\ 23,058,900 \end{array}$ | $\begin{aligned} & 1,015,000 \\ & 9069 \end{aligned}$ |  | $\begin{aligned} & 1,004,687 \\ & 3,37765 \end{aligned}$ | 13 |
| 5,837,010 | 16, 671,475 | 20, $1,307,800$ | 16, 394, 600 | $23,058,900$ $64,910,381$ | $\begin{array}{r} 9,069,270 \\ 30,659,086 \end{array}$ | 28,838 $1,841,316$ | $\begin{array}{r} 3,377,605 \\ 20,951,782 \end{array}$ | 14 |
| 469, 700 | 97, 250 | - $2,806,500$ | 10, 911,061 | 5,967, 238 | 3,786,489 | $30,275$ | $2,065,684$ | 17 |
| 542, 013 | 4.71, 750 | 1, 862, 219 | 2, 842, 500 | 1,762, 400 | 975,700 | 54, 685 |  | 17 |
| 754,740 46, 000 | $491,200$ |  | $70,333,604$ $7,263,443$ | $86,633,027$ $4,818,974$ | $\begin{array}{r}32, \\ 2,31,978 \\ \hline 1875\end{array}$ | 316,618 42,923 | $\begin{array}{r} 14,6 \div 8,680 \\ 1,3 \overline{50} 9397 \end{array}$ | 8 |
| 655, 000 | 13, 082,000 | 183, 121, 449 | 7, 014,013 | 37, 358,500 | 28, 176, 387 | 693,024 | 20, 710,040 | 20 |
| 5, 328,000 | 89, 844, 255 | 104, 604, 132 | 50,582, 822 | 55, 851, 799 | 25,098, 979 | 5,040,014 | 43, 006, 138 | 21 |
| 3, $\operatorname{se9}, 134$ | 657, 510 | 30, 565, 095 | 102, 610,012 | 74, 507, 202 | 48,085,283 | 502, 369 | 19, 231, 207 | 22 |
| 710,750 | 578, 000 | 158, 750 | 10, 192, 000 | 561, 250 | 68,600 | 20,940 | 204, 712 | 23 |
| 15, 5i4, 068 | 5,580,000 | 2,008, 250 | 10,481, 120 | 30, 526, 70.5 | 15, 571, 443 | 707, 228 | 9, 908, 545 | 24 |
| 100, 000 | 625,000 | 7,018, 264 | 6,511, 260 | 6, 531, 250 | 5, 554, 800 | 339, 716 | 3,876,740 | 25 |
| 180, 010 | 681, 375 | 3, 542, 144 | 3, 545, 553 | 747, 500 | 1,479, 275 | 150, 277 | 1,376, 476 | 26 |
| 72, 000 | 13,000 | 5,700 | 1,000 | 14,000 | 6,450 | 158, 0100 | 1,480,400 | 27 |
| 175, 000 | 32, 000 | 1, 382, 000 | 6,610, 100 $1,253,120$ | 2,700, 0000 | 1,700, 513,275 | 11, 4,000 | 1, 054, 500 | $\underline{8}$ |
| 1, 121, 8 20 | 261,500, | 6, 574, 480 | 12, 867,558 | 49,447, 881 | 15,352, 072 | 363, 733 | 6,533, 926 | 30 |

Table LIV.-Manufactures: Special statistics
23.-WOOLEN GOODS.

| States and Territories. |  |  | $\begin{aligned} & \text { 䔍 } \\ & \text { 令 } \\ & \hline \end{aligned}$ | AVER HAN <br> -sizos 9r onoqe coter |  | SER OF YED. <br>  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Tho Unicd States ....... | $\begin{gathered} \mathrm{No} \\ 1,990 \end{gathered}$ | Dollars. 90, 095, 564 | 46,978 | 20,372 | 10, 154 | 80,504 | Dollare. <br> $25,836,392$ |
| 1 | Alabama. | 14 | 28,900 | 13 | 5 |  | 18 | 3,037 |
| 2 | Arkansas. | 25 | 85, 550 | 62 | 21 | 7 | 90 | 13, 226 |
| 3 | California. | 9 | 1,676,500 | 708 | 108 | 19 | 885 | 334, 318 |
| 4 | Connecticut ...................... | 78 | 7, 907, 402 | 4,319 | 1,949 | 685 | C, 055 | 2, 3442,133 |
| 5 | Delarfare ......................... | 5 | 302, 50 | 171 | 59 | 31 | 261 | 108,504 |
| 6 | Georgia. | 32 | 180,783 | 72 | 45 | 25 | 142 | 25,070 |
| 7 | Illinois | 53 | 1, 227,553 | 527 | 365 | 150 | 1,042 | 296, 225 |
| 8 | Indiana. | 81 | 2, 273,705 | 846 | 587 | 308 | 1, 741 | 462, 881 |
| 9 | Iowa.- | $3 \cdot \frac{1}{2}$ | 503, 500 | 307 | 132 | 60 | 499 | 117,792 |
| 10 | Eansas | 5 | 111.925 | 66 | 40 | 18 | 124 | $2 \overline{3} 8.5$ |
| 11 | Kentucky | 08 | 800,700 | 253 | 253 | 217 | 823 | $\begin{array}{r} 166,189 \end{array}$ |
| 12 | Maine | 193 | 3, 876, 083 | 1,716 | 1,109 | 270 | 3,095 | 1, 044,006 |
| 13 | Maryland..... | 114 | 24, 2800,763 | 13, 146 | 8, 100 |  | - 313 | 7, 457,4115 |
| 15 | Michigan.. | \%9 | 2, 558, 800 | - 203 | 114 | 30 | 347 | 76,240 |
| 16 | Minnesota | 13 | 190, 600 | 106 | 73 | 50 | 229 | 46, 108 |
| 7 | Mississippi | 8 | 331500 | 111 | 61 | 46 | 918 | 53, 100 |
| 18 | Missouri. | 98 | 726, 150 | 412 | 144 | 133 | 689 | 109, 877 |
| 19 | New Hampshire | 58 | 4, 510, 211 | 2,288 | 1,361 | 378 | 4, 027 | 1, 181, 738 |
| 20 | Now Jersey..... | 27 | 2,530,155 | 1,827 | 997 | 539 | 3, 363 | 990,384 |
| 1. | New York | 159 | 8,266, 873 | 3,311 | 2, 128 | 691 | 6, 139 | 1, 774,143 |
| 2 | North Carolina .............. | 49 | 203, 100 | 120 | 50 | 15 | 185 | 23, 195 |
| 33 | Ohio. | 192 | 1, 311, 340 | 722 | 413 | 180 | 1, 334 | 256, 214 |
| 24 | Oregon | 10 | 1066, 8013 | 166 | 33 | 17 | 216 | 80, 088 |
| 25 | Penusylvania ................. | 324 | 18,780,604 | 8,391 | 6,809 | 2, 489 | 17,689 | 5, 254, 328 |
| 26 | Rhode Island | 50 | 8, 448,700 | 4,312 | 2, 048 | 1,101 | 8,121 | 2,480, 907 |
| 27 | South Carolina. | 11. | 7, 900 | 13 |  |  | 13 | $\mathrm{cic}^{173}$ |
| 28 | Tennessee. | 105 | 418, 064 | 249 | 11. | 42 | 402 |  |
| 30 | Texas .... | 11 | 97,560 382,000 | +28 | 8 79 | 48 | 36 277 | 25,700 68,108 |
| 31 | Vermont. | 44 | 2,320,161 | 1, 171 | 783 | 130 | 2,084 | 544, 138 |
| 32 | Virginia. | 48 | 456,750 | ${ }^{1} 151$ | 95 | 19 | 665 | 71,720 |
| 33 | Washington ................. | 1 | 40, 000 | 18 | 8 | 3 | 99 | 4,000 |
| 34 | West Virginia ................. | 55 | 293, 170 | 226 | 96 | 31 | 353 | 44, 161 |
| 35 | Wisconsin................... | 48 | 1,340,954 | 426 | 378 | 43 | 847 | 214, 993 |

for principal industries: 1880-Continued.
23.-WOOLEN GOODS.


Table LIV.-Manufactures: Special statistios 23.-WOOLEN GOODS-Continued.

| States and Territories. |  | Enitring Anv smwina Machines. |  | SPINDLES. |  | gaterlals. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | The United States. |  |  | No. 379 | $\begin{gathered} \text { No. } \\ 348, \end{gathered}$ | Number. $1,720,820$ | No. 35, 926 | Pounds. $20,482,667$ | Pounads. <br> 177, 042, 288 |
|  | Alabama... |  |  | - 160 |  |  | 135,306 |
|  | Arkausas. |  |  | 1,360 |  |  | 364, 100 |
|  | Colifomia.. | 138 | 16. | 18,740 |  | 20,000 | 3. 554,550 |
|  | Connectieut. | S | 11 | 153, 004 |  | 2, 006, 609 | 14, 370,716 |
| F | Delamare. |  |  | 4,306 |  | , 203,206 | 433,677 |
| 678910 | Georgia. |  |  | 2,224 |  |  | 366, 274 |
|  | Minois | 2 |  | 20, 392 |  |  | 3, 003, 740 |
|  | Indiana. | 2 | 1. | 36, 856 |  | 10, 000 | 4, 350, 450 |
|  | Iowa.... | 12 |  | 11, 025 |  |  | 1, 407,510 |
|  | Kansas.. |  |  | 2,636 |  |  | 364, 0009 |
| 11 | Kentucky | 3 | 2 | 14, 110 |  |  | 1, 688, 695 |
| 12 | Mrine.. | 1 | 22 | 68, 192 |  | 1,040,498 | 7, 907, 818 |
| 14 | Massachusati. | ) | 110 | 6,580 461,776 | 11,696 | 7,391, 993 | 48, 748,041 |
| 15 | Michigan . | 15 |  | 10,688 |  | ,30, | 869, 0.5 |
| $\begin{aligned} & 16 \\ & 17 \\ & 18 \\ & 18 \\ & 20 \end{aligned}$ | Minnesota*. | 1 | 7 | 3, 852 |  | 20,000 | 537, 580 |
|  | Mississippi |  | ? | 3,734 |  |  | 494,682 |
|  | Missouri.. | 10 | 3 | 12,622 |  |  | 1,811,635 |
|  | Now Hampshire | 24 | 49 | 126, 671 |  | 888,875 | 10,980, 301 |
|  | New Jersey. | ¢ | 14: | 31, 719 |  | 260, 761 | 5,394, 377 |
| $\begin{aligned} & 21 \\ & 22 \\ & 23 \\ & 24 \\ & 25 \end{aligned}$ | New Yoric. | 2 | 36 | 141, 020 | 1,968 | 1, 003, 324 | 11, 068,809 |
|  | North Carolina | 1 | 3 | 2,374 |  | 80,000 | 496, 345 |
|  | Ohio... | 5 | 7 | 23,950 |  | 165, 000 | $2,380,494$. |
|  | Oregon -.... | 9 | $\stackrel{\square}{8}$ | 4, 248 |  |  | 2885, 250 |
|  | Penasylvazia | 45 | 54 | 205, 625 | 7, 142; | 5, 005, 272 | 28, 558, 097 |
| 26 97 | Rhode Island | 2 | 4 | 100, 524 | 15, 120 | 2, 198, 726 | 17, 151, 957 |
| 28 | Soath Carolias. |  |  |  |  |  | 48, 950 |
| 29 | Texas .... |  |  | 6, 8600 |  |  | 178,000 |
| 30 | Utah.. |  | 2 | 5,422 |  |  | 566, 900 |
| 31 | Vermont. |  | 1 | 46, 264 |  | 181,404 | 3,441,787 |
| 32 | Virginia |  |  | 8,486 |  | 5,000 | 857, 812 |
| 33 | Wrshimgton |  |  | 400 |  |  | 160, 000 |
| 34 | West Virginia | 10 |  | 8,081 |  |  | 602, 390 |
| 35 | Wisconsin. |  | 4 | 16,089 |  |  | 2,066,188 |

for principal industries ：1880－Continued．
23．－WOOLEN GOODS－Continued．

| MATERIALS－continued． |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\frac{\dot{8}}{\stackrel{\text { B }}{8}}$ |  | － |  | 嵒 | $\begin{aligned} & \text { Hair of otber ani- } \\ & \text { mavis consumed. } \end{aligned}$ | $\xrightarrow[\text { ® }]{\substack{\text { ® }}}$ |  |
| Pounds． 109，724， 213 | Dollars． $67,380,250$ | Pounds． 1， 234,064 | Dollars． 332,419 | Pounds． 84,080 | Doilars． | Pounds． | $\begin{array}{r} \text { Dollurs } \\ 25,254 \end{array}$ | Pounds． $3,940,923$ | Dollars． 212，762 |  |
| 112， 866 | 46，246 |  |  |  |  |  |  |  |  | 1 |
| 174，000 | 70，050 |  |  |  |  |  |  |  |  | 2 |
| $1,384,750$ | 748，750 | 5，000 | 2，000 |  |  | 20， 000 | 600 |  |  | 3 |
| 8，501，546 | 6，383，081 | 30，017 | 13， 654 |  |  |  |  | 22，700 | 2， 770 | 4 |
| 488， 278 | 291，138 | 20，084 | 11， 829 |  |  |  |  |  |  | 5 |
| 310，074 | 129，990 |  |  |  |  |  |  |  |  | 6 |
| 1．888， 989 | 1，143， 210 |  |  |  |  |  |  |  |  | 7 |
| 2，904，856 | 1， 381,545 |  |  |  |  |  |  |  |  | 8 |
| 801，360 | 384， 829 |  |  |  |  |  |  |  |  | 9 |
| 188， 000 | 89，720 |  |  |  |  |  |  |  |  | 10 |
| 1，230，075 | 562，662 |  |  |  |  |  |  |  |  | 11. |
| 5，026，144 | 3，113， 028 | 3，500 | 1，600 | 17， 304 | 5， 101 | 5，1．61 | 338 | 371，749 | 33， 484 | 12 |
| 28， 034,630 | 18， 270,652 |  |  |  |  |  |  | 278 901 | － 280 | 13 |
| 23， 554,931 | 18， 968,327 307，703 | 678，706 | 148， 251 | 29，279 | 14，260 | 966 | 81 | 273， 140 | 18，610 | 14 |
| 350， 000. | 131，695 |  |  |  |  |  |  |  |  | 16 |
| ，313，881 | 137， 612 |  |  |  |  |  |  |  |  | 17 |
| 1，327， 100 | 589， 080 |  |  |  |  |  |  |  |  | 18 |
| 5，638， 583 | 3，690， 522 | 1， 500 | 11300 | 32， 297 | 29， 220 |  |  |  |  | 19 |
| 3，262，450 | 2，008，063 | 24，749 | 11， 775 |  |  |  |  | 110，000 | 3，700 | 20 |
| $7,035,683$ | 4，634， 876 | 140，695 | 59，308 | 4，700 | 1，410 | 40，300 | 2，748 | 836， 065 | 43， 23.37 |  |
| 466，424 | 216，G；0 |  |  |  |  |  |  | $\cdots$ | …․ | 㫛 |
| 1，680， 473 | 845， 992 |  |  |  |  |  |  | 75，000 | 11， 250 | 93 |
| 22， 472,200 | 11， 197,785 |  |  |  |  |  |  |  |  | 24 |
| 22，011，974 | 11，099，912 | 163， 476 | 30， 217 |  |  | 487， 290 | 21， 152 | 2，241． 526 | 90， 501 | 25 |
| 9，520，553， | 6，886， 833 | 160， 337 | 52，039 | 500 | 750 | 556 | 67. |  |  | 20 |
| 46， 950 | 19， 120 |  |  |  |  |  |  |  |  | 27 |
| 805， 836 | 330，761 |  |  |  |  |  |  |  |  | 93 |
| 70， 000 | 37， 500 |  |  |  |  |  |  |  |  | 29 |
| 313,000 | 120，715 |  |  |  |  |  |  |  |  | 30 |
| 1，719， 580 | 1，170，989 | 5,500 | 1，203 |  |  | 2，008 | 298 |  |  | 31 |
| 649， 175 | 326，602， |  |  |  |  |  |  | 500 | 100 | 32 |
| 100， 000 | 40，000 |  |  |  |  |  |  |  |  | 33 |
| － 500,403 | 213，019 |  |  |  |  |  |  |  |  | 34 |
| 1，323， 812 | 771，643 | 500 | 150 |  |  |  |  |  |  | 33 |

Table LIV．－Manufuctures：Special statistics 23．－WOOLEN GOODS－Continued．

|  | States and Territories． | Matremals－continued． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\stackrel{\text { ® }}{\underset{\sim}{*}}$ |  | $\stackrel{\text { E }}{\text { E }}$ |  | － |
|  | The United States | Pounds． <br> 24，744， 964 | Dollars． <br> $3,295,569$ | Pounds． 46，583， 383 | Dollars． <br> 7，014，100 | Pounds． 17，550， 212 | Dollars． <br> 4，374，985 |
|  | Alabama |  |  |  |  | 10， 000 | 2,000 |
| 2 | Arkansas | 8， 400 | 8180 | 300 | 42.45 | 22，200 |  |
| 3 | California． | 218，526 | 31，22， | 94， 150 | 12，310 | 9，500， | \％${ }^{2} 95905$ |
| 4 | Connecticut | 1，516，515， | 209，199］ | $6,385,103$ | 1，013， 777 | 1． 4823,932 | 403,995 5,000 |
| 5 | Delaware | 30， 100 | 3，620 | 346，778 | 77， 315 | 25， 000 | 5,000 |
| 6 | Georgia． | 27， 918 | 2， 2781 |  |  | 106， $500{ }^{\circ}$ | 24， 950 |
| 7 | minois． | 30， 341 | 4，851 | 83， 007 | 24，097 | 75,100 | \％5， 763 |
| 8 | Indiana． | 204， 629 | 37，121， | 345， 656 | 76， 421 | 537.147 |  |
| 9 | Iowa－．． | 100 | ${ }_{1}{ }^{85}$ | ${ }_{2} 863$ | 154 | 18， 1397 | 4，844 3,225 |
| 10 | Kansas | 10，000 | 1，100 | 2，000 | 300 | 13，200： | 3，225 |
| 11 | Kentucky | 2S8， 268 | 32， 820 | 117，151． | 32， 430 | 379， 181 | 124，906 |
| 12 | Maine－．．． | 569，331 | 8． 4.447 | 1，153， 144 | 290， 709 | 905．134 | 240,564 |
| 13 | Maryland | 6,000 | 700 | 255， 200 | 46， 200 | 11， 889 | 2,418 |
| 14 | Massachusetts． | 4， 770,000 | 505，7314 | 11，197， 285 | 1，975，5466 | 3，144， 605 | 809， 095 |
| 15 | Michigan ．．．．．． | 2， 100 | 369 | 37， 103 | 13，766 | 3， 1177 | 747 |
| 16 | Minnesota |  |  | 18，000 | 5，400 | 6，365 | 2， 006 |
| 17 | Mississippi | 72， 148 | 7， 811 |  |  | 1111， 127 | 82， 8180 |
| 18 | Missouri．． | 48， 100 | ${ }_{97}{ }^{1818}$ | 3， 105,890 | 339，360 | 831,410 | 222，478 |
| 19 | New Hampshire． | －883， 104 | 51， 904 | $2,375,850$ | 361， 968 | 655， 396 | 148， 400 |
| 20 | Now Jersey．． |  |  |  |  |  |  |
| $\begin{aligned} & 21 \\ & 22 \end{aligned}$ | Now Yorls North Carolina | 1，439，289 | 176，649 | $1,556,76 \pi$ 12,444 | 25， 1,878 | 111， 464 | 25， 639 |
| 23 | Ohio．．．．．．．．．．． | 108，000 | 15， 100 | 184， 063 | 37， 588 | 162， $8^{20}{ }^{4}$ | 44， 651 |
| 24 | Oregon ．．．． | 5，000 | 1，000： | 1，000 | 400 | 1，000 | 1．575，747 |
| 25 | Pemssylvania．．．．．．．．．． | 11，691，450 | 1，846， 150 | 1．4， 326,242 | 1，538， 070 | 6，522， 579 | 1，575，747 |
| 26 | Rhede Isinnd | 1，809， 078 | 228， 268 | 1，950，782 | 437， 679 | 1，135， 061 | 310，385 |
| $\stackrel{27}{28}$ | South Caroli Tennessob． | 44， 000 | 4，440 | 55， 433 | 18， 315 | 136，416 | 37，082 |
| 29 | Toxas．．．． |  |  |  |  |  |  |
| 30 | Utah． | 2，300 | 496 | 1，000 | 140 | 29，397 | 7，368 |
| 31 | Vermont | 310， 261 | 28，958 | 2，280， 150 | 416，394 | 330,209 | 97， 055 |
| 3. | Virginia | 57，000 | 8，784 | 60， 500 | 14， 230 | 47，170 | 10， $\mathrm{y} \mathrm{\%}^{2}$ |
| 33 | Washington |  |  |  |  | 1． 000 | 400 |
| 34 | West Virginia | －1， 215 |  | 30， 235 | 8，981 | 20， $7 \times 1$ | 12， 870 |
| 35 | Wisconsin． | －1， 215 | 3，542 | 30， 233 | 3， 381 | 20， $7 \times 4$ | 12， 81 |

for principal industries: 1880-Continued.
23.-WOOLEN GOODS-Continued.


Table LIV.-MFanfactures: Special staitistics

## 23.-WOOLEN GOODS-Continued.


for principal industries: 1880-Continued.
23.-WOOLEN GOODS-Continued.

| PRODUCTS-continued. |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | 9 \# ¢ 8 8 8 |  |
| Number. $1,114,827$ | $\begin{array}{r} \text { Number } \\ 58,485 \end{array}$ | rards. $73,440,525$ | Fards. 7, 095,924 | Tards. 616, 157 | Tards. 22, 393 | Fards. I, 359, 296 | Tards. 120, 904 | Number. $1,330,066$ |  |
|  |  |  |  |  |  |  |  |  |  |
| ${ }_{1} 1300$ |  | 558, 719 | 52,792 |  |  |  |  |  | $\frac{1}{3}$ |
|  |  | 9, 013,900 | 1, 580, 08.7 |  |  |  |  | 1,300,300 | 4 |
|  |  |  |  |  |  |  |  |  |  |
|  |  | 681,013 |  |  |  |  |  |  | 7 |
|  |  | 166,505 |  |  |  |  |  |  | 8 |
|  |  | 18, 1800 |  |  |  |  |  |  | 8 |
|  |  | 4.225 |  |  |  |  |  |  |  |
| 39,715 | 17,323 | 2, 828,379 | 260,259 | 70, 633 |  | 225, 000 |  |  | 12 |
| 496;000 | 29, 214 | 20, 1589,486 | 2,002, 181 | 432, 000 |  | 705,199 | 60, 8000 |  | 13 |
|  |  | 324, 560 |  |  |  |  |  |  | 15 |
|  | 3,808 | 2,132 |  |  |  |  |  |  | 15 |
|  |  | 647, 036 |  |  |  |  |  |  | 17 |
|  | 2,000 1,030 | $\begin{array}{r} 39,2341 \\ 3,156,680 \end{array}$ |  |  |  |  |  |  | 18 |
| $97,000$ | 1,030 | $3,156,686$ $3,414,478$ | $\begin{aligned} & 363,062 \\ & 319,608 \end{aligned}$ | 61, 833 |  | $\begin{array}{r} 314,126 \\ 14,000 \end{array}$ | 2,000 |  | 19 |
| 305,500 |  | 4, 520,721 | 163, 743 | 51,691 |  |  | 12, 101. |  | 21 |
|  |  | 85, 500 |  |  |  | 50,000 | 55, 000 |  | 23 |
|  |  | 134, 239 |  |  | 22,393 | 612 |  |  | 24 |
| 100,600 |  | 11, 860, 332 | 1, 468, 219 |  |  | 45,000 |  | 29,766 | 25 |
|  |  | 10,905, 523 | 545,579 |  |  |  |  |  | 26 |
|  |  | 8,440 |  |  |  |  |  |  | 28 |
|  |  | 86, 000 |  |  |  |  |  |  | 29 |
|  |  | 20,095 | 300 |  |  |  |  |  | 30 |
|  | 5,110 | 1, 510, 401. | 337, 004 <br> I, 430 |  |  | 5, 3500 |  |  | 31 |
|  |  |  |  |  |  |  |  |  | 33 |
|  |  | 40, 068 |  |  |  |  |  |  | 34 |
| 100 | ......... | 677, 257 | 200 |  |  |  |  |  | 35 |

Table LIV．－Manufactures：Special statistics
23．－WOOLEN GOODS－Continued．

|  | States and Territories． | Productercontinagat． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 宽 | 安 | $\begin{aligned} & \dot{0} \\ & \text { 荡 } \\ & \text { B } \\ & : 4 \end{aligned}$ | $\begin{aligned} & \dot{\vdots} \\ & \text { 商 } \\ & \text { 品 } \\ & \hline \end{aligned}$ |  |  |
|  | The United States． | $\begin{gathered} Y w r d s \\ 70,923,106 \end{gathered}$ | Fards． 29， 538,950 | Tatds． $2,570,374$ | Tards． 4，781， 007 | Fords． $3,838,297$ | Fards． <br> 16，629，116 |
| 1 | Alabama ． |  | 40， 000 |  |  |  |  |
| 2 | Arkansas．． | 21， 500 | 113，500 |  | 50， 000 |  |  |
| 3 4 | Connecticut | 1，45， 207,577 | 850， 000 | 157， 007 | 200， 000 | 602，571 | 2，409， 007 |
| 5 | Delaware．．． |  |  | 8，121 |  |  |  |
| 6 | Georgia． |  | 454， 588 | 8，210 | 195，000 |  |  |
| 7 | Ilinois | 1，342， 050 | 163， 857 |  | 12，000 |  | 5，249 |
| 8 | Indiana． | 2，081，031 | 2，092， 548 | 106， 000 | 3，429 | 1，000 | 34， 817 |
| 9 | Iowa．．．．． | 081， 108 | 75， 184 | 1， 000 |  | 1，200 | 13， 600 |
| 10 | Kansas | 224，000 | 46，400 |  |  |  | 5，000 |
| 11 | Kentucky ．．．．．．．．．．．．．．．． | 11，000 | 2，456， 481 |  | 15，200 |  |  |
| 12 | Maine ．．．．．．．．．．．．．．．．．．．．．．． | 3，139， 730 |  | 4，500 |  | 1，681， 508 | 25， 062 |
| 13 | Maryland．．．．．．．．．．．．．．．． | 30， 749,898 |  | 659， 407 | 1，587 |  | 449840 |
| 15. | Michigan．．．．．． | 160， 051 | 1，200 |  |  |  | 4， 35 |
| 10 | Minnesota． | 04，321 | 12， 400 |  |  |  | 1，500 |
| 17 | Mississippi |  | 63， 606 |  | 11，874 |  | ${ }_{2}{ }^{2} 500$ |
| 18 | Missonri－．．．．．． | 138，208 | 352， 283 |  | 64，980 | 400 | 1，400 |
| 19 | New Hampshire | 8，564， 625 |  |  |  | 375， 207 | 32， 000 |
| 20 | Now Jersey．．．．． | 1，178， 910 | 120，000 |  |  | 275， 084 | 710 |
| 21. | New York－．－． | 7，250， 837 |  | 80， 000 |  | 76， 387 | 6，600 |
| 22 | North Carolina | 1，500！ | 12， 000 | 208，000 | 8，000 | 10， 000 |  |
| 23 | Ohio ．．．．．．．．．．．．．．．．．．．．．．． | 462， 170 | 625， 673 |  | 700 |  | 40， 637 |
| 24 | Oregon | 7， $\begin{array}{r}162,684 \\ 453,800\end{array}$ | －10， 143,606 | 1，243，847 | 3，491， 353 | 4， 013 | 28，976 |
| 26 | Rhode Islund ．． | 1，678，506 | 2，013，320 |  | 530，000 |  | 200， 000 |
| 27 | South Carolina．． |  |  |  |  |  |  |
| 28 | Temnessee．．． | 18,450 | （44， 085 |  | 34，493 |  | 23， 300 |
| 29 | Texas ．．．． |  |  |  |  |  |  |
| 30 | Utah | 203， 128 | 56， 998 | 3，817 | 71， 009 | 21，790 |  |
| 31 | Vermont． | 1， 005,209 |  |  |  | 305， 000 | 1，335， 300 |
| 32 | Virginia．．．．．．．．．．．． | 18， 979 | 81，050 | 93，856 | 17，350， |  | 4，100 |
| 33 | Washingtom．．． <br> West Virginia． |  |  |  |  |  | 3,719 |
| 5 | Wisconsin．．．． | 617，200 | 17， 050. |  | 1， 2001 | 99， 526 | 1，000 |

for principal industries: 1880-Continued.
23.-WOOLEN GOODS-Continued.


Table LIV.-Manufaciures: Special statistics
23.-WOOLEN GOODS-Continued.

|  | States and Territories. | Provects-continued. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \dot{8} \\ & \frac{8}{0} \\ & \stackrel{y}{0} \\ & 0 \end{aligned}$ |  |  |  | 皆 | 品 |
|  | The United States.. | $\begin{aligned} & T \\ & 2,919,050 \end{aligned}$ | Fards. <br> 1, 082, 236 | Fards. 482,331 | $\begin{gathered} \text { Jards. } \\ 11,275,884 \end{gathered}$ | Furds. <br> 3, 351, 701 | Yurts. 455, 000 |
| 1 | Alabama. |  |  |  |  |  |  |
| $\stackrel{2}{3}$ | Arkansas............. |  |  |  |  |  |  |
| 3 4 | California - . . . Co. |  |  |  |  |  |  |
| 5 | Delaware.-............... |  |  |  |  |  |  |
| 6 | Georgia.. |  |  |  |  |  |  |
| 7 | Illinois ....... . . |  |  |  |  |  |  |
| 8 | Indiana.............. |  |  |  |  |  |  |
| 19 | Iowa....-................... |  |  |  |  |  |  |
| 10 | Kansas .......-........... | ......-. | ........ |  |  |  |  |
| 11 | Tentucky - |  |  |  |  |  |  |
| 12 | Maine --............ |  |  |  |  |  |  |
| 14 | Marsachusetts .-............ | 2,919,050 | 315, 284 | 11,081 | $10,92,808$ | - 3 , 3 - 1,701 |  |
| 15 | Michigan .................. |  |  |  |  |  |  |
| 16 | Minnesota ............ |  |  |  |  |  |  |
| 17 | Mississippi ........... |  |  |  |  |  |  |
| 19 | New Hampshire........... |  |  |  |  |  |  |
| 20 | New Jersey............. |  |  |  |  |  |  |
| 21 | Now York |  |  |  | 700 |  |  |
| 22 | Nordh Carolina |  |  |  |  |  |  |
| 23 | Ohio ............ |  |  |  |  |  |  |
| 24 | Oregon ......... |  |  |  |  |  |  |
| 25 | Pennsylvania. |  | C26, 500 |  | 342, 280 |  | 255, 000 |
| 26 | Ruode Islaud. |  | 140,452 | 480, 700 |  |  |  |
| $\stackrel{27}{28}$ | South Carolina. Tonnessee ..... |  |  |  |  |  |  |
| 29 | rexas ......... |  |  |  |  |  |  |
| 30 | Ttah .............. |  |  |  |  |  |  |
| 31 | Vermont... |  |  |  |  |  |  |
| 32 | Virginia |  |  |  |  |  |  |
| 33 | Washington -. |  |  |  |  |  |  |
| 34 | We.st Virginia........... |  |  |  |  |  |  |
| 3 | Wisconsin ................. |  |  |  |  |  |  |

a See, also, Worsted yools, Table LIV (25), page 1206.
Mixed, woolon and worsted.
for prinipal industries: 1880-Continned.
23.-WOOLEN GOODS-Continuod.

c Sco also Cirpets, orher than rag, Tuble IIV ( 4 ), page 1108.
7600

Table LIV.-Monufactures: Special statistios
24.-WOOL BATS.

for principal industries : 1880-Continuea.
24.-WOOL HATS.


Table LIV.-Manufactures: Special statislics 25.-WORSTED GOODS.

for principal industries: 1880—Continued.
25.-WORSTED GOODS.

a Including 5,600 pounds silk yarn, vaine $\$ 23,500 ; 20,000$ pounds shoddy yarn, value $\$ 10,000$.

Tabla LIV.-Manufachures: Speoial statistios
25.-WORSTED GOODS-Continued.

© See, also, Woolen goods, Table LIV (23), page 1200.
for principal industries：1830－Continued．
－25．－WORSTED GOODS－Continued．

| Provucrismentinued． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 䍖 |  | 安 |  |
| Fards． 530， 741 | Pieces． 250， 000 | Fards． 214，000 | Fards． $2,230,221$ | Yards． 362， 168 | Number． 574， $2 \overline{7} 7$ |
| 365， 524 | 250，000 |  | 962， 520 | 336，000 |  |
| 135， 324 |  |  | 1，263，318 |  |  |
| 26，883 |  | 214，000 | 4，383 | 1.108 | 574， 257 |

Provucts－continued．

|  |  |  | $\begin{aligned} & \text { 淢 } \\ & \text { E } \\ & \text { 3 } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pounds． $9,650,000$ | Pounds． <br> 1，540，493 | Yards． 910， 553 | Fards． 16， 107 | Yards． $200,000$ | Pounds． <br> 4，238，295 | Dollars． 965， 512 |
| 360,000 |  |  |  |  | 300，000 |  |
| $3,057,959$ 363,135 | 534， 177 |  |  |  | $1,388,863$ 503,079 | 63， 867 |
| 303， 30.009 | 233，210 |  |  |  | 9，000 |  |
| 251， 571 | ． | 445，350 |  | ． | 416，066 |  |
| $4,577,848$ | 654， 106 |  | 16，107 | 200,000 | 899， 767 | 8，750 |
| 1，009，449 | 59，000 | 465，197 |  |  | 721，520 | 892， 895 |

Table LTV.-Manufachures: Special slatistias 26.-COKE.

| States. |  |  | Capital. | numbir or mande mmploybd. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { تi } \\ & \text { ت } \\ & \text { EH } \end{aligned}$ |  | $\begin{gathered} \text { Males above } 10 \\ \text { years. } \end{gathered}$ |  |  |  |
|  | The United Statos.. |  | $\begin{gathered} \text { No. } \\ 149 \end{gathered}$ | Dollars. <br> 5,545,058 | 3,142 | 3,068 | 3 | 71 | Doilars. 1, 198, 654 |
|  | Alabama. |  | 135,500 | 64 | 04 |  |  | 38,500 |
| 2 | Colorado. | 1 | 150,000 | 55 | 75 |  |  | 13,500 |
| 3 | Georgia. | 1 | 80,000 | 107 | 107 |  |  | 13,887 |
| 4 | Illinois. | 4 | 205, 000 | 18 | 16 |  | 2 | 9,31? |
| 5 | Indiana. | 2 | 8, 000 | 4 | 4 |  |  | 300 |
| A | Onio .... | 15 | 144, 012 | 153 | 150 |  | 3 | 51, 977 |
| 5 | Pennsylvania........... | 104 | 4, 262,525 | 2, 4,44 | 2,379 | 3 | 62 | 983, 431 |
| 8 | Tennessee .............. | 4 | 200,021 | 114 | 214 |  |  | 38, 820 |
| 10 | Virginia $(\alpha)$ - ${ }_{\text {West }}$ | $\stackrel{3}{13}$ | 30,000 330,000 |  |  |  |  |  |
|  | Westirgma | 12 | 330,000 | 163 | 159 |  | 4 | 48, 942 |

a Not in operation during census year.
27.-GLASS: A-AGGREGATE, ALL CLASSES.

a Not in operation during census jear.
b Building.
27.-GLASS: B-GLASSWARE.

a Not in operation during census yoar.
for principal hadustries: 1880-Continued.
26.-COKE.

27.-GLASS: A-AGGREGATE, ALL CLASSES.

| NUMEER OF HANDS EAfPLOYED. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { 要 } \\ & \text { 8 } \end{aligned}$ | Males above 10 jears. | $\begin{gathered} \text { Femalesabove } \\ 15 \text { years. } \end{gathered}$ |  |  |  |  |  |
| 24,177 | 17,778 | 741 | 5,658 | Dollars. $9,144,100$ | Dollars. 8, 028, 621 | Dollars. <br> 21, 154, 571 |  |
| 113 | 80 130 | 2 | 33 28 | 45,904 65,000 | 48,070 70,000 | 140,000 100,000 | 2 |
| 732 | 632 |  | 100 | 342,027 | 297, 842 | 901,343 | 4 |
| 802 | 695 | 53 | 111 | 284, 207 | 433,733 | 790,781 | 5 |
| 35 | 24 | 2 | 9 | 2,000 | 3,248 | 3,500 | 6 |
| 523 | 364 | 11 | 147 | 150, 322 | 134, 104 | 388, 405 | 7 |
| 613 | 524 |  | 88 | 234, 254 | 239,682 | 587, 000 | 8 |
| 946 | 828 | 58 | 60 | 383, 342 | 329, 864 | 854, 345 | 9 |
| 54 | 50 |  | 4 | 30,000 | 35, 113 | 90,000 | 10 |
| 969 | 709 | 36 | 220 | 381,098 | 351, 771 | 018, 827 | 12 |
| 3 102 | - 80 | 8 | 14 | 25,600 | 34,000 | 70, 000 | 13 |
| 3,578 | 2, 762 | 46 | 770 | 1,300,038 | 1,088,346 | 2, 810, 170 | 14 |
| 3,078 | 2,116 | 50 | 912 | 1, 046, 812 | 1944,691 | 2, 420,796 | 15 |
| 1,688 | 1,170 | 81 | 437 | 644,520 | 459,333 | 1,549,320 | 16 |
| 9,784 | 6,999 | 294 | 2,491 | 3, 897, 306 | 3, 350,660 | 8, 720,584 | 17 |
| 946 | 615 | 100 | 231 | 311, 650 | 208, 064 | 748, 500 | 18 |

27.-GLASS: B-GLASSWARE.


Table LIV.-Manufaotures: Special statistics 27.-GLASS: C-GREEN GLASS.

a This does not inclade value of cast plate in process of manufacture, nor of rough plate broken up and 27.-GLASS: E-WNDON GLASS.

|  | States. |  | 罭 | FURNACES. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\begin{aligned} & \text { E } \\ & \stackrel{E}{6} \end{aligned}$ |  | $\begin{aligned} & \text { 号 } \\ & \text { है } \end{aligned}$ |  | + |
|  | The United Statea....... | No. 58 | Dollars. $4,953,155$ | No. 88 | No. | No. | ${ }^{\text {No. }} 88$ | ${ }_{\text {NOM }}{ }_{767}$ |
|  | Illinois | 4 | 235, 000 | 6 |  |  |  |  |
| 2 | Indiana.. | 1 | 175, 000 | 3 |  |  | 3 | 30 |
| 3 | Towи (a) ----...-................ | 1 | 23, 000 | 1 |  |  | $\frac{1}{5}$ | 8 |
| 4 | Maryland..... | 4 | 305,000 | 5 |  |  | 5 | 42 |
| 5 | Massachusetts. | 2 | 75, 000 | 4 |  |  | 4 |  |
| 6 | Michigan. | 1 | 65, 000 | 1 |  |  | 1 | 8 |
| 7 | Missouri. | 1 | 40, 600 | 2 |  |  | 2 | 14 |
| 8 | New Jersey .......... ............. | 9 | 723,255 | 15 |  |  | 15 | 116 |
| 9 |  | 9 | 515, 010 | 11 |  |  | 11 | ${ }^{96}$ |
| 10 |  | 6 | 455,009 | 6 |  |  | 6 | 56 |
| 11 | Pennsylvanis................... | 20 | 2, 279,800 | 34 |  |  | 34 | 307 |

for principal industries：1880－Continued．
2\％．－GLASS：C－GREEN GLASS．

| numer of hands emploted． |  |  |  |  |  | cid <br>  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { تin } \\ & \text { तi } \end{aligned}$ |  | $\begin{gathered} \text { Femalesaboro } \\ 15 \text { years. } \end{gathered}$ |  |  |  |  |  |
| 6，691 | 4，948 | 136 | 1，607 | Dollors． <br> $2,259,894$ | Dollars． $2,448,254$ | Dollars． $5,670,433$ |  |
| 113 | 80 |  | 33 |  |  | 140，000 |  |
| 507 | 410 |  | 97 | 196， 324 | 196， 368 | 528， 000 | 2 |
| 180 | 107 |  | 73 | 20， 357 | 30， 000 | 64， 984 | 3 |
| 278 | 220 |  | 52 | 44，022 | 70， 888 | 160， 563 | 4 |
| 305 | 242 |  | 63 | 80， 800 | 66， 405 | 170，000 | 5 |
| ．．．． |  |  |  |  |  |  | 6 |
| 350 | 297 |  | 123 | 107789 | 168，205 | 392.790 | 7 |
| 102 | S0 | 8 | 14 | 125，600 | 34， 000 | 70，000 | 8 |
| 1，979 | I， 615 | 21 | 343 | 783， 74.4 | 698， 543 | 1，681，015 | 10 |
| 821 | 550 | 20 | 251 | 259， 660 | 293， 297 | 722， 392 | 11 |
| 190 | 120 |  | 70 | 45， 000 | 43， 553 | 115，000 | 12 |
| 1，866 | 1，291 | 87 | 488 | 590， 704 | 708， 925 | 1，616，759 | 13 |

27．－GLASS：D－PLATE GLASS．

| number of fands em． pioted． |  |  |  |  |  | PRODUCTS． |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 至 | Males above 16jears． |  | E |  |  |  | $\stackrel{\square}{\text { ® }}$ |  |  |  |
|  |  | $\underset{\sim}{\hat{c}} \underset{\sim}{c}$ | ${ }^{\text {a }}$ |  |  | 4 | 苋 | \％in |  |  |
|  |  | 事愛 | 兩 |  |  | \％ | \％ | \％ |  |  |
|  |  | Ex | 易号 |  |  | ． | ت⿹\zh26灬 |  |  |  |
|  |  |  |  |  |  |  |  | \％ |  |  |
| 956 | 822 | 91 | 43 | Dollors． <br> 292， 253 | Dollars． 438，457 | （fquarre ject． | Square feet． <br> $1,043,000$ | Square feet． | Dollars． |  |
| 513 | 419 | 53 |  |  |  |  |  |  |  |  |
| 35 | 32 | 1 | $\stackrel{1}{2}$ | 160,850 1,008 | 208,733 3,750 | 970,000 20,684 | 642， 000 | 130,000 20,684 | 490,400 3,512 | $\frac{1}{2}$ |
| 58 | 57 | 1 |  | 10，393 | 24,049 | 209，543 |  | 209，543 | 45， 843 | 3 |
| 359 | 314 | 36 |  | 120， 000 | 112， 925 | 500， 000 | 400,000 | 17，000 | 322， 550 | 4 |

27．－GLASS：E－WINDOW GLASS．

| yumber of hands emmloxed． |  |  |  |  |  | PRODUCTS． | $\stackrel{\square}{\sigma}$ <br>  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { 픙 } \\ & \text { B } \end{aligned}$ | Malesabove 16 ycars． |  |  |  |  |  |  |  |
| 3，890 | 3，755 | 1 | 134 | Dollars． $2,139,536$ | Dollars． $1,849,530$ | Number． $1,864,734$ | Hollars． $5,047,313$ |  |
| 225 | 229 |  | 3 | 145,703 103,000 | 101,474 105,400 | 115,271 91,759 | $\begin{aligned} & 373,343 \\ & 220,397 \end{aligned}$ | $\frac{1}{2}$ |
| 292 99 98 | 222 | 1 |  | $131,4 \%$ 44,947 | 147,277 39,245 | 141,000 41,866 | $\begin{aligned} & 332,000 \\ & 104,002 \end{aligned}$ | 4 |
| 54 43 48 | 50 48 |  | 4 | 30,000 32,000 | 35,113 27,706 | 30,000 24,000 | 90,000 68,900 | 7 |
| 699 | 622 |  | 77 | 286， 234 | 289， 803 | 296，685 | 723， 155 |  |
| 410 | 409 |  | 1 | 195， 576 | 244，568 | 216， 748 | 540， 903 | 9 |
| 273 | 269 |  | 4 | 146， 861 | 106， 510 | 127， 122 | 358， 000 | 10 |
| 1，691 | 1，646 |  | 45 | 1， $043,70$. | 772， 834 | 780， 283 | 2，222， 513 | 11 |

## POWER USED IN MANUFACTURES.

# Deplaminent of the Interior, <br> Census Office, Washington, D. O., January 2, 1883. 

## Hon. C. W. SEATon, Superintendent of Census.

SIr: In compliance with your instructions, T have the honor to submit tables giving in condensed form the statistics of steam- and waterpower used in manufactures, as returned at the census of 1880 . These statistics have been compiled under the direction of Professor W. P. Trowbridge, special agent in charge of the statistics of power and machinery used in manufactures, from the returns made upon the schedules used in collecting statistics of manufactures, and include the power used in all industries embraced in the manufacturing statistics, with the following exceptions: Coke, Dyeing and finishing textiles, Glass, Liquors, distilled; Liquors,malt; Mixed textiles; Shipbuilding. The classification by industries is the same as that adopted by the division of manufactures.
These tables show : (1) The number of establishments which used either steam- or water-power, or both, during the whole or a part of the census year from June 1, 1879, to May 31, 1880. The number of establishments here reported is generally less than reported as engaged in manufacture for any district or industry, the difference being due to such establishments as do not use either steam- or water-power, or to such as were not in operation during any part of the census year. Thus, in the state of Massachusetts there are reported 350 flouring- and grist-mills, but only 344 of these are returned as using either steam- or water-power, the remaining 6 being driven by wind; (2) the number of water-wheels used; (3) the total power of these wheels; (4) the number of steam-boilers, not including such boilers as are used for generating steam exclusively for heating purposes; (5) the total number of steam-engines used; (6) the total power of these steam-engines; (7) the total power of all the steam-engines and water-wheels reported as used in manufacture during the census year.
In Table LV are presented the statistics of power used in manufactures, first, by totals for states and territories, and second, by totals for some of the leading industries. In many cases the same steam-engine or waterwheel was reported as being used in two or more industries. Where no satisfactory division of porver could be made, it was included in each industry and a dedaction made from the total of all industries for such duplication, as is shown in the table.
Table LVI gives the statistics by state totals of the following selected industries, viz: Carpets, cotton gools, felt goods, flouring- and grist-mill products, hosiery and knit goods, iron and steel, lumber (sawed), paper, salt, silk and silk goods, woolen goods, wool hats, worsted goods, the statistics for all other industries being grouped.

The following table shows the total amount of power available in some of the more important industries and the percentage of increase, the total number of hands employed in these industries, as reported in the statistics of manufactures, and the amount of power available per hand employed, according to the census of 1870 and that of 1880:

| Industries. | 1870. |  |  | 1880. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
|  | H. $P$. |  | H. P. | H. $P$. |  | H. P. |  |
| Cotton goods....................... | 146,040 | 135, 519 | 1.08 | 275, 504 | 185,472 | 1.49 | 88. 65 |
| Flouring-and grist-mill products . | 576, 686 | 58, 448 | 9.87 | 771, 201 | 58,407 | 13. 20 | 33.73 |
| Iron and steel | 170,675 | 77,555 | 2.20 | 397, 247 | 140, 978 | 2. 82 | 132.75 |
| Lumber, sawed...................... | 641,665 | 149,997 | 4.28 | 821, 928 | 147, 056 | 5.56 | 28. 99 |
| Paper. | 53, 918 | 17,910 | 2.97 | 123, 912 | 21,422 | 5.07 | 133.84 |
| Silk and silk goods | 1, 911 | 6,699 | 0.29 | 8, 810 | 31, 337 | 0.28 | 361.18 |
| Woolen goods .............-.......... | 85,101 | 77, 870 | 1.09 | 106, 507 | 86, 504 | 1.23 | 25.15 |
| Worsted goods..........-........... | 8,016 | 12,920 | 0.62 | 10,437 | 18, 303 | 0.87 | 105.05 |

The total amount of power used in manufactures, as returned at the census of 1870 and that of 1880 , is given in the following table, which also shows the percentage of inerease in each state and territory. This, however, must be regarded as an approximate comparison only:

| States and Torritories. | 1870. | 1580. |  | States and Territories. | 1870. | 1830. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| The United States. | $\begin{gathered} \text { H. } P \\ 2,346,142 \end{gathered}$ | $\underset{3,410,837}{P}$ | 45.38 | Montana (a) Nebrasla | $\begin{gathered} \text { IT. } P_{\dot{1}} \\ 3, \mathbf{0 1 7} \\ 3,311 \end{gathered}$ | $\begin{gathered} H . P(1, \\ 1,438 \\ 8,494 \end{gathered}$ | 150. 44 |
| Alabama | 18,751 | 27,576530 | 47.06 | Nebraska. <br> Nevada ( $\alpha$ )........... |  |  |  |
| Arizona | 90 |  | 488.89 | New Hampshire... | 77, 078 | 87,750 | 13.85 |
| Arkansas | 7,646 | 15,733 | 105.77 | New Jersey-........ | 58,139 | 59, 858 | 71.76 |
| Califormia. | 25,3702,225 | $\begin{array}{r} 32,921 \\ 5,802 \end{array}$ | 29.76 |  |  |  |  |
| Colorado. |  |  | 160.76 | New Mexico ........ | $\begin{array}{r} 911 \\ 334,363 \end{array}$ | 1,359 | 49. 18 |
| Connecticut | 80,374324 | 118,232$2,22.1$ | 47.10 | New Yorik .......... |  | 454,14345,088 |  |
| Dakota.. |  |  | 580.1280.80 |  | $\begin{array}{r}334,363 \\ 33,152 \\ \hline\end{array}$ |  | 36. 30 |
| Delavare. | 8,533 | 15, 428 |  | Ohio................. | $\begin{array}{r} 02,103 \\ 174,323 \\ 8,277 \end{array}$ | $\begin{array}{r} 261,143 \\ 13,589 \end{array}$ | 49.80 64.18 |
| District of Columbia | 1, 8 8,700 | $\begin{aligned} & 3,143 \\ & 7,147 \end{aligned}$ | 66.3893.16 | Oregon ................ |  |  | 64.18 |
| Florida |  |  |  |  |  |  |  |
| Georgia | 38,243 | 51, 169 | 33.80 | Pennsylvania...... | $\begin{aligned} & 363,918 \\ & 49,027 \end{aligned}$ | 512,408 | 40.80 |
| Idaho. | 606 | 1,682 | 177.56 | Rbode Island....... |  | 63,575 | 51.27 |
| Illinois | 86,044100,369 | 144,288131,770 | 67.6931.29 | Sonth Carolina........ | $\begin{aligned} & 4, \\ & \frac{42}{14} 9232 \\ & 37,981 \end{aligned}$ | $25,868$ | 73.2436.78 |
| Indiaza. |  |  |  |  |  |  |  |
| Iowa. | 39,547 | 54, 221 | 37.11 | Texas ................... | 13, 044 | $\begin{gathered} 51,958 \\ 30,534 \end{gathered}$ | $\begin{array}{r} 36.78 \\ 134.08 \end{array}$ |
| Kansas ... | 8,14939,56825,06679,57332,4223 | $\begin{array}{r} 21,079 \\ 541,929 \\ 11,346 \\ 100,476 \\ 51,259 \end{array}$ | 158.6738.82 | Utah ................ | - $\begin{array}{r}2,500 \\ 51392\end{array}$ | 4,689 | 87.50 |
| Kentucky .... |  |  |  |  |  |  |  |
| Lousiana (a) ... |  |  | 26.27 | Vermont.............. |  | 63, 314 | 23. 37 |
| Maryland. |  |  | 58.10 | Virginia | 49, 612 | 57,174 | 15. 5.4 |
| Massachusetts. | $\begin{array}{r} 184,356 \\ 10,851 \\ 20,139 \\ 12,472 \\ 55,062 \end{array}$ | $\begin{array}{r} 309,759 \\ 16,747 \\ 53,880 \\ 18,450 \\ 80,749 \end{array}$ | $\begin{array}{r} 68.09 \\ 55.64 \\ 167.54 \\ 47.93 \\ 46.65 \end{array}$ | West Virginia...... <br> Wiscensin <br> Wyoming. | 27, 331 | 37,910 | 38.71 |
| Michigan.. |  |  |  |  |  |  |  |
| Minnesota |  |  |  |  | 64,223344 | $106,085$ |  |
| Mississipp |  |  |  |  |  |  | $\begin{array}{r} 66.18 \\ 110.48 \end{array}$ |
| Missouri. |  |  |  |  |  |  |  |

In making this comparison, it must be noted that the classification adopted in the census of 1870 and that used in 1880 are not exactly alike. Thus it would appear that there was a falling off in the amount of power used in manufactare in the state of Louisiana from 25,066 horse-power in 1870 to 11,345 horse-power in 1880. This is due to the fact that in the census of 1870 tho sugar made on the plantations direct from the raw cane was included as a product of manufacture, while in 1850 it is included with the products of agricultare. Thus, in order to make a comparison, we must deduct 18,296 horse-power used on the sugar plantations from the total 25,066 horse-power, and we would then have for the industries in the census of 1880 an increase of from 6,770 horse-power in 1870 to 11,346 in 1880.

In the state of Nevada it wonld appear that there was a falling off from 8,545 horse-power in 1870 to 716 horse-power in 1880 . In the census of 1870 we find that the following industries are included in statisties of manufactures: "Quartz milled," 7,174 horse-power, and "Lead, pig", 215 horse-power. These industries are included in the statistics, not of manufacture, but of mining, in the census of 1880; therefore, in order to make a comparison, we must deduct 7,389 horse-power from the total for 1870 . This would still leave the amount of power reported in 1870 slightly in excess of that reported in 1880 , owing probably to the Fery rapid development of mining in 1870 and the consequent demand for sawed lumber and other products of manufacture.

This table shows a decrease for Montana in the total amount of power reported as used in manufactures. If we deduct 780 horse-power for "Quartz milled" from the total for 1870 , we would then have an increase from 837 horse-power in 1870 to 1,498 horse-power in 1880 .

In the census of 1870 we find that the industry, "Quartz milled," is reported in California with 2,739 horse-power. This ought also strictly to be deducted before making a comparison. With these exceptions, the classification of industries in the census of 1870 and that used in 1880 are so nearly alike that a comparison can safely be made.

The following table shows the relative amount of steam- and of Whter-power used in some of the more important industries, as returned at the census of 1870 and that of 1880:

|  | 1870. |  | 1880. |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Water-power: | Steam-power. | Water-power. | Stoam-power. |
|  | Percent. | Fer cent. | Percent. | Per cent. |
| Whoring and grist.min products |  |  |  |  |
| Iron tmi steel | 9. 72 | 90. 28 | 60. 4.10 | 95. 81 |
| Inmber, sawed. | 50.93 | 49.07 | 33.91 | 6 6. 09 |
| Paper......... | 78.25 | 21. 75 | 70.70 | 29.30 |
| Silk and sill goods. | 41.29 | 58.71 | 17.73 | 82. 27 |
| Wooles gouds. | 6. 17 | 37.83 | 50.33 | 49. 67 |
| Worsted goode ..... | 57.81 | 43.19 | 38.34 | 61.60 |

The proportional amounts of steam- and of water-power used in manufactures in the different states and territories according to the census of 1870 and that of 1880 are shown in the following table:

|  | 1870. |  | 1880. |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Water-power. | Steam-power. | Water-power. | Steam-power. |
| The United States. | $\begin{gathered} P_{\text {er }} \text { ecnt. } \\ 43.18 \end{gathered}$ | Por cent. 61.32 | $\begin{gathered} P_{\text {er }} \text { cent. } \\ 35.93 \end{gathered}$ | Per cent. <br> 64.07 |
| Alabama. | 58.72 | 41.98 | 42.78 | 57.22 |
| Arisona | 11.11 | 88.89 | 30.19 | C9, 81 |
| Arcinsas | 20. 21 | 79.79 | 12. 86 | 87.14 |
| Calitmoria | 27.11 | 72. 89 | 14.73 | 80.27 |
| Colorado.... | 35.60 | 64.40 | 31.87 | 68.13 |
| Commecticut. | 67.68 | 32.32 | 51.77 | 48.23 |
| Dakota.... | 23.46 | 76.54 | 36.11 | 63.80 |
| Delarrare. | 49.46 | 50.51 | 31.02 | 68.08 |
| District of Columbir | 58.23 | 41.77 | 28.00 | 72.00 |
| morida.... | 14. 27 | ع. 73 | 13.14 | 86.86 |
| Georgia | 71.69 | 28.81 | 58.76 | 41.24 |
| Idaro. | 48.68 | 01.33 | 67.54 | 32.46 |
| Illincis. | 15.05 | 84.95 | 12.69 | 87.91 |
| Indiana. | 23.43 | 76. 57 | 16.55 | 83.45 |
| Iowa-... | 30.63 | 63.97 | 37.56 | 03. 44 |
| Kamasas... | 21.95 | 78.05 | 36.11 | 63.89 |
| Kentucky | 19.31 | 80.69 | 16.41 | 83.59 |
| Louisiana | 0.57 | 09.43 | 0.70 | 39.21 |
| Maime... | 88.11 | 11.89 | 79.34 | 20.60 |
| Maryland | 50.94 | 43.06 | 35.20 | 6.80 |
| Massachasetts | 57. 42 | 42.58 | 44.67 | 55.83 |
| Michigan.. | 83.97 | 67.03 | 90.88 | 79. 13 |
| Minnesota | 64.82 | 35.18 | 53.25 | 45. 75 |
| Mlsuissipy | 13.67 | 80.33 | 18. 69 | 81.31 |
| Missouri. | 12.07 | 87.93 | 10.11 | 89.80 |
| Montara | 49.17 | 50.83 | 63.68 | 30. 32 |
| Nelmaska | 43. 67 | 50.33 | 64.69 | 35. 31 |
| Ferada.. | 29.70 | 70.30 | 15.08 | 8.92 |
| Ner Mampshire | 88. 60 | 11.40 | 7 S .81 | 21.19 |
| Now derscs | 44.43 | 55.57 | 27.10 | 72.90 |
| New Moxico | 72.34 | 27.66 | 68.55 | 81. 42 |
| New York. | 62.28 | 37.72 | 48.90 | 51.70 |
| North Carolina | 79.08 | 20.94 | 68.63 | 33. 52 |
| Ohio... | 25. 67 | 7 7. 33 | 14.80 | 85.20 |
| Oregon.... | 70.15 | 29.85 | 68.11 | 31.89 |
| Pennsylvania | 39.01 | 60.99 | 21.52 | 78. 48 |
| Thode Islant. | 43.97 | 56.03 | 34. 98 | 65.02 |
| South Carolina | 69.62 | 30.38 | 53.63 | 46.37 |
| Tennessee. | 51. 28 | 43.62 | 35.73 | 6. 27 |
| Texas | 14.03 | 85.97 | 8.21 | 91.79 |
| Utah.... | 80.76 | 13. 24 | 75. 39 | 24.61 |
| Virchuil | 8.05 | 16.93 | 65.53 | 3 3. 47 |
| Washington | 51.82 | 49.93 | 26.96 | 73.04 |
| West Virginia. | 37.30 | 62.70 | 24.91 | 75.00 |
| Wisconsin. | 52.50 | 47.50 | 42.73 | 57. 25 |
| Wyoming ..... | 9.85 | 90.12 | 5.03 | 94.07 |

In conelusion, I desire to acknowledge my obligations to many of the officers and clerts of the Census Office for their valuable assistance in the complation of these statistics. I wish especially to acknowledge my indebtedness to Mr. F. R. Williams, chief of the division of manufactures, and to my assistant, Mr. G. W. Clapp.

I am, sir, very respectfully, your obedient servant, herman hollerith, special Agent,

Table LV.-Power used in manufactures in the Orited States: 1880.
BY SHATES AND TERRTIORIES.

| States and Territories. | No. of establ ments. | Water-power. |  | STIEAM-POWMR. |  |  | Totalsteamandwaterhorse-power. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of wheels. | Horse. power. | No. of boilors. | No. of engines. | Horsopower. |  |
| The United States.. | 85, 923 | 55,404 | 1,225,379 | 72,304 | 56,483 | 2,185, 458 | 34,410,837 |
| Alabama Arizona. | 1, 257 | ${ }_{8} 81$ | 11, 797 | 615 | 551 | 15,779 370 | 27,576 |
| Arkansas | 729 | 149 | 2, 024 | $55 \%$ | 545 | 13, 709 | 15, 733 |
| California | 1,000 | 205 | 4,850 | 990 | 79 | 28,071 | 32, 021 |
| Colorado. | 181 | 52 | 1,849 | 108 | 152 | 3, 953 | 5.802 |
| Connecticut | 2,028 | 1,784 | 61,205 | 1,670 | 1,124 | 67, 027 | 118,232 |
| Dakota | 79 | 38 | 803 | 1,56 | - 55 | 1, 421 | 2, 224 |
| Delaware | 317 | 232 | 4,785 | 305 | 254 | 10, 043 | 15,428 |
| District of Columb | 115 | 15 | 880 | 127 | 118 | 2,263 | 3,143 |
| Elorida | 244 | 70 | 039 | 291 | 193 | 6,208 | 7,147 |
| Georgia | 2,074 | 1,917 | 30,067 | 918 | 799 | 21, 102 | 51,109 |
|  | 67 | 48 | 1,136 | 23 | 22 | 546 | 1,682 |
| nlinois. | 3, 722 | 751 | 17,445 | 4, 143 | 3,445 | 126,843 | 144,288 |
| Indian | 4,066 | 1,143 | 21,810 | 3,889 | 3, 634 | 109, 560 | 131,770 |
| Iowa. | 1, 546 | 1,093 | 20,363 | 1,203 | 1,068 | 33, 358 | 54, 221 |
| Kansas | 578 | 299 | 7,611 | 420 | 303 | 13,468 | 21, 079 |
| Kentucky | 1,767 | 653 | 3,012 | 1,636 | 1,494 | 45, 917 | 54, 929 |
| Iouisiana | 402 | 13 | 90 | 491 | 430 | 11, 256 | 11, 346 |
| Maine | 1,918 | 2,887 | 79,717 | 74.7 | 511 | 20, 759 | 100,476 |
| Maryland | I, 538 | 1,004 | 18,043 | 1,202 | 914 | 23, 210 | 51, 259 |
| Massachuse | 5,173 | 3,040 | 138, 362 | 5,105 | 3,090 | 171,397 | 309,759 |
| Michigan | 3,581 | 1,746 | 34, 395 | 4,109 | 3,085 | 180, 352 | 164, 747 |
| Mianesota | 964 | ${ }^{1} 650$ | 28,689 | 760 | 569 | 25, 191 | 53,880 |
| Mississipn | 893 | 301 | 3,449 | 676 | 635 | 15, 001 | 18,450 |
| Missouri. | 2, 428 | 537 | 8,162 | 2,448 | 2,128 | 72, 587 | 80,749 |
| Mrontana. | 63 | 89 | 954 | 31 | 31 | 544 | 1,498 |
| Nebrasl | 262 | 245 | 5,405 | 128 | 126 | 2, 399 | 8,494 |
| Nevada | 20 | 6 | 108 | 27 | 23 | 608 | 716 |
| New Hampshire | 1, 653 | 2,122 | 69,155 | 593 | 450 | 18,595 | 87,750 |
| Nowr Jersey. | 2,226 | 1,213 | 27,006 | 2,253 | 1,619 | 72,792 | 99, 858 |
| New Mexico | 78 | 69 | 932 | 19 | 19 | 427 | 1,359 |
| Now York | 11,776 | 9,752 | 219,348 | 8,101 | 0,672 | 234, 795 | 454, 143 |
| North Carulina | 2, 323 | 2, 370 | 30, 063 | - 699 | 0.610 | 15, 025 | 45, 088 |
| Ohio | 0,684 | 2,080 | 38,641 | 7,081 | 6,215 | 222, 502 | 261,143 |
| Oregor | 443 | 373 | 9,255 | 190 | 170 | 4, 334 | 13,589 |
| Pennsylvania | 10,381 | 7,075 | 110,276 | 12,095 | 7,913 | 402, 132 | 512,408 |
| Phode Island | 608 | 380 | 22, 240 | 1,164 | 476 | 41, 335 | 63, 575 |
| South Carol | 1,2099 | 1,657 | 13, 873 | 592 | 509 | 11, 995 | 25,808 |
| Tennessee | 2,108 | 1,038 | 18,564 | 1,074 | 967 | 33, 388 | 51, 852 |
| Trexas | 1,334 | 174 | 2,508 | 1,229 | 1,107 | 28,026 | 30, 534 |
| Utah | 243 | 214 | 2,535 | 55 | 55 | 1,154 | 4, 689 |
| Fermont. | 1,582 | 2, 133 | 52, 226 | 378 | 272 | 11,088 | 63,314 |
| Firginia | 2,768 | 2, 390 | 37, 404 | 982 | 809 | 19, 710 | 57, 174 |
| Washington | 70 | 46 | 1,185 | 90 | 61 | 3,210 | 4,395 |
| West Virgiu | 1,190 | 670 | 9,454 | 334 | 816 | 28, 456 | 37,910 |
| Wisconsin |  | 2, 022 | 45, 350 | 1,879 | 1,398 | 60,729 | 100,085 |
| Wyomi | 10 | 2 |  | 18 | 13 | 717 | 755 |

BY INDUSTRIES.

| Carpets | 59 | 10 | 2,151 | 244 | 81 | 8,340 | 10,491 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cotton goods | 356 | 1, 205 | 148,754 | 2,584 | 780 | 126,750 | 275,504 |
|  | 26 | 1, 18 | 1,141 | 52 | 29 | 1,490 | 2,031 |
| Flouring and grist-mill products.. | 24, 238 | 20,020 | 463, 987 | 9,448 | 8,445 | 301, 214 | 771, 201 |
| Husiery and knit goods ............. | 226 | 118 | 5,492 | 224 | 163 | 6,669 | 11,501 |
| Iron and steel | 781 | 360 | 16,506 | 7, 257 | 3,205 | 350,741 | 397, 247 |
| Lamber, shwed | 25, 680 | 14, 639 | 278,686 | 20,418 | 17,268 | 543,242 | 821, 828 |
| Paper. | 602 | 1,853 | 87, 011 | 1,018 | 673 | 86, 301 | 123. 912 |
| Salt (a) | 202 | - 7 | 108 | 267 | 412 | 8,368 | 8,476 |
| Silk and sink grods | 197 | 54 | 1,502 | 219 | 150 | 7,248 | 8,810 |
| Woolen goods | 1,984. | 1,505 | 53,610 | 1,676 | 986 | [?, 897 | 106,507 |
| Truol hats. | 43 | 7 | 672 | 102 | 47 | 3,320 | 3,992 |
| Worsted goods | 76 | 53 | 6,302 | 203 | 100 | 10, 135 | 16,437 |
| All other industrie | 30,743 | 6, 8t0 | 161,288 | 23, 63.4 | 25,070 | 726,958 | 888,246 |
| Gioss total | 85,923 | 55,783 | 1,203,870 | 73,316 | 57,421 | 2, 213,073 | 3, 448,943 |
| Dednot drplicate |  | -379 | 8, 491 | 1, 012 | + 988 | 27,615 | 80, 105 |
| Total | 85,823 | 55, 104 | 1, 235, 279 | 72,304 | 06,403 | 2, 18\% 458 | $3,110,837$ |

a The manufacture of alt in Michizan is conducted largely in connection with the manufactaxe of Inmber. In many such cases the steam used in the salt works is sappliad from the borars of the asw. mills, which are therefore not incluled with the standitics of sait worko.

Table LVI.-Pover used in manufactures in the United States in certain industries: 1880 .

## CARPETS.

| States and Territories. | No. of estabmonts. | WATER-POWER. |  | STEAM-POWER. |  |  | Total steamand water horsipower. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of wheols. | Horsepower. | No. of bollers. | No. of engines. | Horsepower. |  |
| The United States. | 59 | 16 | 2, 151 | 244 | 81 | 8,240 | 10,491 |
| Connecticut | 2 |  |  | 28 | 8 | 960 | 960 |
| Massachusetts | 7 |  | 705 | 81 | 10 | 1,420 | 2,125 |
| New Jersey ... | 1 | 2 | 260 |  |  |  | 200 |
| New York. | 0 | 10 | 1,180 | 44 | 15 | 3,408 | 4, 504 |
| Pennsylyania.. | 39 |  |  | 90 | 47 | 2,548 | 2,548 |

COTTON GOODS.


## FELT GOODS.



## Pable LVI.-Power used in manufactures in certain industries-Continued.

FLOURING-AND GRIST-MILL PRODUGTS.


HOSIERY AND IKNIT GOODS.

| The United States. | 296 | 118 | 5,432 | 224 | 103 | . 6,063 | 11,561 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Connecticnt | 34 | 13 | 479 | 22 | 12 | 795 | 1, 274 |
| Illinois | 6 | I | 50 | 3 | : | 30 | 80 |
| Indiama | 2 |  |  | 3 | 2 | 13 | 13 |
| Massachnsetts | 22 | 7 | 380 | 25 | 18 | 681 | 1.001 |
| Mrehigna. | 6 | 1 | 30 | 3 | 3 | 83 | 113 |

## Table LVI.-Power used in manufactures in certain inäustries-Continued.

HOSIERY AND KNIT GOODS-Continued.

| States and Territories. | No. of estabments. mant | WATER-POWER. |  | GTEAM-POWER. |  |  | Total steam and water horsepower. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of wheols. | Forsepower. | No. of boilers. | No. of engines. | Horse power. |  |
| Missonri... | 2 | 1 | 3 |  |  | 2 | 4 |
| New Hampshire | 23 | 24 | 949 | 2 |  | 50 | 999 |
| New dersey. | 5 67 | 61 | \% 3.9 | 111 | $\begin{array}{r}5 \\ 37 \\ \hline\end{array}$ | $\begin{array}{r}494 \\ 1.839 \\ \hline\end{array}$ | 506 5,211 |
| Ohio. | 2 |  |  | 2 | 2 | ${ }^{1} 27$ | 27 |
| Pennsylvania. | 70 | 1 | 10 | 90 | 72 | 1,830 | 1,870 |
| Vermont...... | ${ }_{6}$ | 8 | 208 | $\stackrel{2}{7}$ | $\frac{1}{6}$ | 220 | 428 |

IRON AND STEEL.


LUMBER, SAWED.

| The United States. | 25,680 | 14,639 | 278,086 | 20,418 | 17,268 | 543, 242 | 821,938 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama. | 354 | 157 | 2,354 | 277 | 249 | 6,880 | 9,234 |
| Arizona | 13 | 2 | 26 | 12 | 11 | 230 |  |
| Arkensas.. | 32. | 27 | 445 | 317 | 310 | 8,586 | 9, 1301 |
| Calitornia. | 251. | 90 | 2,223 | 285 | 211 | 8,763 | 10, 2,93 |
| Colorado. | 96 | 13 | 279 | 94 | 92 | 2,214 | 2,493 |
| Connecticat | 300 | 328 | 5,880 | 41 | 38 | I, 105 | 6,985 |
| Dakota | 38 | 2 | 85 | 37 | 37 | 1998 | ${ }^{9} 894$ |
| Delamare | 80 | 46 | 689 | 78 | 60 | 1, 458 | ${ }^{2}, 247$ |
| District of Colun |  |  |  | 2 235 | 3 | $\begin{array}{r}1 \\ 5 \\ 5 \\ 200 \\ \hline\end{array}$ | $\begin{array}{r}\text { 5, } 200 \\ \hline\end{array}$ |

Table LVI.-Pover used in mamufatures in oertain madistries-Consinued.

## LUMBER, SAWED--Continned.

| States and Territories. | No. of estan-lishments. | WAdTRE-POWER. |  | GIEAMFOWER |  |  | Total steamand water horsepoffer. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of wheeis. | Horsopower. | No. of boiliges. | $\begin{gathered} \text { No.0f } \\ \text { grgines. } \end{gathered}$ | Horse power. |  |
| Georgia. | 655 | 308 | A,345 | $6{ }^{6}$ | 455 | 10,955 | 15,300 |
| Idaho.. | 48 | d1 | 748 | 19 | 19 | 400 | 1,288 |
| mimois | 640 | 18 | 190 | 724 | 073 | 17, 801 | 18, 081 |
| Iudfana. | 2,018 | 171 | 2,658 | 2, 019 | 1, 965 | 51, 638 | 51,520 |
| lowa... | 828 | 46 | 885 | 412 | 320 | 10, 605 | 14,498 |
| Kansas | 145 | $\int_{1} 1$ | 463 | 120 | 126 | 3, 25.2 | 3,815 |
| Eentueky | 6 t 8 | 164 | 1,148 | 600 | 600 | 16, 200 | 17,557 |
| Louisiana. | 174 | 6 | 52 | $\bullet 212$ | 187 | 5, $\mathrm{H}_{4} \mathrm{O}$ | 5,128 |
| Maine | 818 | 1, 609 | 35, 127 | 306 | 135 | 7,484 | 42, 611 |
| Marfland. | 369 | 216 | 2,336 | 50 | 203 | 5.078 | 7,464 |
| Massachusetts. | 606 | 707 | 14,366 | 159 | 115 | 4, 978 | 18,930 |
| Michigan. | 1,649 | 418 | 9, 14.9 | 2,584 | 1, 534 | 81, 97 | 90,446 |
| Minnesota | 234 | 94 | 5,104 | E\% | 196 | 10, 103 | 15, 318 |
| Hississippi | 29.5 | 54 | 068 | 04 | 23 | 7, \%d | 8,260 |
| Missoari. | 881 | 03 | ],109 | 8\% | 853 | 22,143 | 23, 282 |
| Kontana. | 36 | 13 | 430 | S0 | 20 | 490 | 850 |
| Nebraslia | 33 | 7 | 754 | 16 | 35 | 821 | 975 |
| Norada. | 9 |  |  | 14 | 11 | 409 | 469 |
| Netr Hampsilire | 680 | 920 | 75, 634 | 1ii! | 12 | 5,596 | 25, 110 |
| Now Jersey- | 284 | 249 | 8, 903 | 0 | 83 | 2,465 | 6,368 |
| Ner MEexico | 26 | 18 | 934 | 1.4 | 14 | 319 | 533 |
| Ders Tork | 2, 882 | 3, 250 | 62, 5nt | 1,131 | 1,007 | 21, 218 | 93,782 |
| North Carolim | 774 | 461 | 0,828 | 451 | 35 | 117, 069 | 16,885 |
| hio | 2,347 | 818 | 4, 22 | 2,244 | 2,216 | 57,419 | 62, 291 |
| Oregon | 227 | 187 | 3, 959 | 119 | 99 | 2, 876 | 6,804 |
| Pennsgifania | 2, 895 | 1,85\% | 30,794 | 2,086 | 1,630 | 48,982 | 79,646 |
| Rhodec Islazad | 49 | 50 | 615 | 9 | 10 | 890 | ], 145 |
| South Carolina | 420 | 216 | 2, 483 | 360 | 25 | C, 18 ]. | 9,116 |
| Ternessea | 759 | 319 | 4, 105 | 518 | 4015 | 13,764 | 17, 809 |
| Texas. | 317 | 28 | 386 | 551 | 313 | 9,836 | 10,222 |
| Etat. | 107 | 89 | 1,303 | 33 | 83 | 703 | 2,006 |
| Permont | 688 | 871 | 97,709 | 98 | 87 | 8,821 | 25, 630 |
| Vircinia | 907 | 463 | E, 877 | 563 | 517 | 11,214 | 18,091 |
| Tashingrt on | 37 | 27 | 504 | 82 | 44 | 2,007 | 3,771 |
| Wesi Virginia | 469 | 136 | 1,921 | 894 | 874 | 9, 560 | 11,481 |
| Tisconsin | 704 | 42 | 13, 376 | 919 | 550 | 30,613 | 43,989 |
| Wroming. | 7 | 1 | 8 | 7 | 7 | 282 | 240 |

PAPER.


Table LVI.-Power used in mamufactures in certain industries-Continued.
PAPER-Continued.

| States and Territories. | No. of estab-lishments. | WATER-POWER. |  | Steam-power. |  |  | Total steamand water horseроwer. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of wheels. | Horsepower. | No. of boilers. | No. of engines. | Forsepower. |  |
| North Caxolina | 4 | 11 | 698 | 1 | 1 | 15 | 713 |
| Ohio... | 60 | 99 | 4,298 | 181 | 111 |  | 11,096 |
| Oregon .-..... | 1 | 6 108 | 2, 760 |  |  |  | 9, 434 |
| Pennsglvania. | 78 1 | 108 | 2, 766 | $\stackrel{202}{2}$ | 134 1 | 6,668 | 9, ${ }^{4} 345$ |
| Utah | 1 | 1 | 35 | 1 | 1 | 50 | 85 |
| Vermont. | 13 | 53 | 4,613 | 5 | 4 | 82 | 4,695 |
| Firginia | 3 | 4 | 195 | 4. | $\stackrel{2}{8}$ | 100 | 295 |
| West Virginia | ${ }^{3}$ | 1 | 10 | 15 | 8 | 255 45 | - 2655 |
| Wisconsin. | 13 | 68 | 2,551 | 1 | 1 | 45 | 2,596 |

## SALT.

| The United States ............ | 202 | 7 | 108 | 207 | 412 | 8,368 | 8,476 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Colifornia | 6 | 4 | 17 | 3 | 3 | 32 | 49 |
| Kansas ..........-.................... | 1 |  |  | 1 | 1 | 10 | 10 |
| Kentacky | 2 |  |  | 3 | 3 | 22 | 22 |
| Louisiana. | 1 |  | -. | 1 | 1 | 30 | 30 |
| Maine. | 1 |  |  | 1 | 1 | 25 | 25 |
| Michigan ( $\alpha$ ) ........................... | 81 |  |  | 56 | 202 | 5,000 | 5,000 |
|  | 2 |  |  | 2 | 2 | 18 ' | 18 |
| New Yoris | 52 | 1. | 75 | 70 | 60 | 1,313 | 1,388 |
| Ohio...... | 23 |  |  | 52 | 53 | 812 | 812 |
|  | 16 |  |  | 21 | 21 | 269 | 269 |
|  | 2 | 2 | 16 |  |  |  | 16 |
| Vircinia............................... | 1. |  |  | 2 |  | 40 | 40 |
| West Virginia ..-- =- - .-............... | 14 |  |  | 55 | 57 | 797 | 797 |

a The manufacture of salt in Mrichigan is conducted largely in connection with the mannfacture of lumber. In wany such cases the steam tused in the salt works is supplied from the boilers of the saffmills, which are therefore not included with the statistics of salt works.

SILK AND SILK GOODS.

| She United States. | 107 | 54 | 1,502 | 219 | 156 | 7,248 | 8,810 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cahfornia. | 2 |  |  | 3 | 2 | 52 | 52 |
| Conmectiont | 27 | 17 | 810 | 35 | 21 | 1, 108 | 1,478 |
| Illinois. | 2 |  |  | 1 | 1 | 17 | 17 |
| Maino. | 1. | 1 | 314 |  |  |  | 30 |
| Massmchasetts. | 17 | 11 | 802 | 24 | 16 | 357 | 719 |
| New Hampshire | 1 | 1 | 10 |  |  |  | 10 |
| New Jersey | 78 | 18 | 619 | 92 | 06 | 3,628 | 4, 947 |
| Now York. | 44 | 5 | 293 | 36 | 31 | 1,352 | 1,575 |
| Pennsylvauiz | 93 |  | ...- | 27. | 18 | 606 | 666 |
| Ehode Island. | 1 |  |  | 1 | 1 | 8 | 8 |
| Formont. | 1 | 1 | 8 |  | --***--* |  | 8 |

WOOLEN GOODS.


Table LVI.-Power used in manufactures in certain industries-Continued.
WOOLEN GOODS-Continued.

| States and Territories. | No. of estabments. | WAIER-POWER. |  | STmampower. |  |  | Total steamand water horsepower. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of Wheels. | Horsopower. | No. of boilers. | No. of ongines. | Horse power. |  |
| Georgia. | 32 | 33 | 356 | 2 | - 2 | 3.1 | 387 |
| Illinois | 53 | 8 | 131 | 54 | 43 | 1,407 | 1,598 |
| Indiama. | 81 | 27 | 577 | 69 | 50 | 2,171 | 2, 748 |
| Iowat | 34 | 22 | 550 | 18 | 10 | 377 | 927 |
| Eansas | 5 | 3 | 153 | 3 | 2 | 65 | 218 |
| Rentucky | 95 | 35 | 564 | 69 | 63 | 1,527 | 2, 091 |
| Maine ... | 93 | 80 | 3, 100 | 12 | 8 | 404 | 3,810 |
| Maryland | 1.4 | 16 | 822 | 5 | 3 | 120 | 442 |
| Massachusetts. | 107 | 262 | 16,845 | 349 | 150 | 11, 880 | 28,725 |
| Míchigan.. | 30 | 26 | 460 | 13 | 10 | 295 | 755 |
| Mimnesota. | 13 | 7 | 302 | 5 | 5 | 61 | 363 |
| Mississippi | 8 | 2 | 60 | 6 | 5 | 154 | 220 |
| Missouri... | 97 | 18 | $2: 5$ | 64 | $6!$ | 1,680 | 1, 905 |
| New Hampshire | 58 | 89 | 4,179 | 27 | 17 | 767 | 4,946 |
| New Jersey | 27 | 24 | 1,114 | 53 | 25 | 2,541 | 3, 655 |
| New York. | 159 | 172 | 4,017 | 84 | 42 | 2,795 | 7,712 |
| North Carolina | 49 | 30 | 510 | 9 | 8 | 20.5 | 721 |
| Obio.. | 129 | 48 | 851 | 01 | 84 | 2,043 | 2, 894 |
| Oregon | 10 | 10 | 3 E 4 |  |  |  | 384 |
| Pembsylvania......... | 324 | 155 | 2,740 | 422 | 204 | 12,437 | 15,186 |
| Rhode Tsland. | 50 | 69 | 3,291 | 114 | 45 | 4,702 | 7, 993 |
| South Carolina | 11 | 10 | 104 | 1 | 1 | ${ }^{6}$ | 1110 |
| Tennessee. | 100 | 38 | 640 | 18 | 18 | 470 | 1, 110 |
| Texas ... | 1 |  |  | I | 1 | 45 | 45 |
| Utah ...... | 11 | 11 | 315 | . |  |  | 315 |
| Vermont. | 44 | 49 | 2,636 | 21 | 8 | 1,008 | 3,644 |
| Virginia. .- | 48 | 43 | 667 | 1 | 1 | 50 | 717 |
| Washington | 1 | 1 | 35 |  |  |  | $\begin{array}{r}35 \\ \hline 107\end{array}$ |
| West Virginia | 55 | 43 | 576 | 21 | 19 | 591 | 1, 167 |
| Wisconsin.... | 48 | $4 \pm$ | 842 | 11 | 9 | 261 | 1,103 |

## WOOL MATS.

| The United States ............ | 43 | 7 | 672 | 102 | 47 | 3,320 | 3,992 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Connecticat | 3 |  |  | 9 | 4 | 350 | 350 |
| Maine | 1 |  |  | 2 | 1 | 100 | 100 |
| Massachnsetts | 6 |  |  | 13 | 5 | 490 | 450 |
| Nerv Tork. | 10 | 3 | 600 | 39 | 14 | 1,660 | 2,200 |
| Pennsylvania........................... | 23 | , | 72 | 30 | 23 | 720 | 752 |

WORSTED GOODS.


Tabxe LVI.-Power used in mamefactures in certain industries-Continued.
ALL OTHER INDUSTREIES.

| States and Territories. | No. of estab-lishments. | Water-powelr. |  | STEAM-POWER. |  |  | Total steam and water horsepower. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of wheels. | Horsepowor. | No. of boilers. | No. of enginss. | Horse. power. |  |
| Tho Trited Stater | 30,743 | 6,860 | 161,288 | 20,624 | 25,070 | 720,958 | 888, 246 |
| Alabama | 58 | 17 | 302 | 48 | 48 | 1, 053 | 1, 354 |
| Arlansas | 35 | 1 | 20 | 484 | 435 | 11, 128 |  |
| California | 576 | 36 | ${ }_{0}^{657}$ | $\begin{array}{r}484 \\ 50 \\ \hline\end{array}$ | 435 49 | 11,786 | 12,069 |
| Colorado. | 49 | 1 | 18,488 | 1,167 | 839 | 36, 369 | 55,057 |
| Connectiont | 1,194 | 678 | 18,488 | 1,167 |  | 30, 00 | 3, |
| Dakota | 11 | 1 | 20 | 9 | , | $\underline{249}$ | +189 |
| Delaware | 124 | 39 | 603 | 150 | 133 | 4,242 |  |
| District of Columbia | 108 | 1 | 97 | 120 | 114 | 1, 308 | ${ }^{1} 1006$ |
| Florida | 14 | 3 | 17 | 183 | 175 | 3.546 | 3,835 |
| Georgia. | 198 | 41 | 350 | 163 | 110 | 3, | 3, |
| Tinuo. | 3 | 1 | 10 | ${ }^{3}$ | ${ }^{2}$ | 26 | 36 |
| Tllinois | 1, 966 | 124 | 4,253 | 2, 180 | 1,708 | ${ }_{21} 1^{1} 780$ |  |
| Indiana | 936 | 65 | 2, 464 | 1,044 | 453 | 20, 834 | 81760 |
| Yowa. | 467 | 22 | 526 | 1485 | 458 98 | 1,733 | 1,883 |
| Fansas | 105 | 6 | 159 |  |  |  |  |
| Kentactry | 327 | 7 | 180 | 386 | 372 | 9,390 | 3,510 |
| Tonisinnay | 146 | 2 | 7 | 223 | 199 | 5, 110 | 23,099 |
| Maine | 673 | 499 | 13, 599 |  | 544 | 15,357 | 16, 291 |
| Mraryand. | 540 | 36 865 | 29, 178 | 2,600 | 2,223 | 70, 504 | 92,681 |
| Massachusett | 3,656 | 865 | 22, 17 | 2,00 |  |  |  |
| Tichican | 1,062 | 132 | 3,816 | 1,004 | 811 | 24, 363 | 28,239 |
| Michigan | 280 | 14 | 289 | 258 | 230 | 6, 299 |  |
| Minnesota | 58 | 4 | 32 | 64 | 56 |  |  |
| Mishissippi | 562 |  | 5 | 746 | 615 | 19, ${ }_{124}$ | 1,1630 |
| Montana. | 12 | 3 | 22 | 11 |  |  |  |
|  | 53 | 1 | 20 | 59 | 55 | 721 | - ${ }^{51}$ |
| Nobraska | 8 |  |  | ${ }^{9} 8$ | 88 | 5. 938 | 17,350 |
| Fow Lrampshire | ${ }_{1}{ }^{644}$ | 175 | 11, 3,015 | 1, 470 | 1, 102 | 42,440 | 46,364 |
| Now fersey | 1,253 | 137 |  | 1, 4 | 1, 1 | 30 | 30 |
| New mexico |  |  |  |  |  |  |  |
| Now Fork | 6, 543 | 1, 878 | 43, 345 | 5,480 | 4,768 | 142,496 2,101 | 18,64 |
| North Carolina | 148 | 153 | 2,903 | 2,818 | 2,565 | 73, 634 | - 70,534 |
| Ohio. | 2,640 | 155 30 80 | 2,821 | ${ }^{2} 81$ | 2, 64 | 1,084 | 1, 1,95 |
| Oregrom | 3, 574 | 575 | 9,043 | 4,200 | . 3,468 | 63, 691 | 1 102, 709 |
| Ponmsylrania | 3, 574 |  |  |  |  |  | - 11,131 |
| Thode Tsland |  | 27 | 780 | 178 | - 213 | 3, 3.708 | 3,967 |
| Sonth Carolina | 95 | 21 | $5 \cdot 9$ | 209 | 181 | 5,65 | 5 5, 604 |
| Trennessee | 113 | 6 | 23 | 122 | - 116 | 2,695 | 1 - 48 |
| Texas | ${ }_{36}$ | 21 | 180 | 18 | 8 | 311 |  |
| Utah |  |  |  |  | - 155 |  | 4 17,345 |
| Vermont. | . 5983 | 565 | 12,441 2,480 | - 210 | 5332 | 6,867 | 7 9,347 |
| Viruinia. | 308 | 121 |  | 12 | 2 15 | 219 | $9{ }^{4} 4$ |
| Washingron | 161 | 5 | 26 | , 191 | 1.169 | 4, 348 | 8 ${ }^{4,313}$ |
| West Virginia | 67 | 100 | 3,403 | 1 695 | 5611 | 15,378 |  |
| Wisconsin. - |  |  |  |  | 1 1 | 30 | 0 \% |
| W yoming |  |  |  |  |  |  |  |


[^0]:    mented; glores and mittens; ink; fron and steel; iron work, architectaral and ormamental; leather, curied; leather, dressed skins; leather, tanned; inmber, sawed; mantels, slate, marble, and marheized; masical instruments and noaterials (not specified); oil, peat's-foot; paiuts; paper (not spection); porfumery mad cosmeties; shirts; spectacies and eyeglasses; stationory goods, stereotyping and
    

[^1]:    a This table includes the products of boot and shoo factories only. In adlition, there were returned in the census 16,013 custom and ropair shops. The aggregate of all production of boots and fhoen appears in Table LI.
    $b$ lucluding morocto, calf, and otider skins used in the manufacture of uppors.

[^2]:    3 Includes 3,392 tons of spiegelaisen.
    c Includes 7,000 tons of spiegeleisen.
    d Includes 2,483 tons of spiegoleisen.

[^3]:    a A crucible steel porks in Connecticut manipulates opon-hearth steel.
    4 Tho only open-hearth steel vorks in New $J$ ersey is so interwoven with a crucible steel works that it is not possibho to separate all the details.

    - This establishmont was not in operation in the census yoar.

