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Bureau of Labor Statistics
Employment and Occupational Outlook Branch
Division of Employment Statistics

EMPLOYMENT AND PAY ROLLS

Detailed Report

December 1946

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2.
Table 1. - Estimated Number of Production Workers in Manufacturing Industries 1/
(In thousands)

| Industry Group and Industry | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|---|--------------|--------------|--------------|--------------|
| ALL MANUFACTURING | 12,281 | 12,218 | 12,026 | 10,519 |
| DURABLE GOODS | 6,223 | 6,210 | 6,116 | 5,097 |
| NONDURABLE GOODS | 6,058 | 6,008 | 5,910 | 5,422 |
| <u>Durable Goods</u> | | | | |
| IRON AND STEEL AND THEIR PRODUCTS | 1,462 | 1,476 | 1,442 | 1,294 |
| Blast furnaces, steel works, and rolling mills | 467.0 | 481.5 | 473.5 | 446.3 |
| Gray-iron and semi-steel castings | 84.5 | 84.2 | 81.9 | 72.3 |
| Malleable-iron castings | 24.2 | 24.8 | 24.4 | 23.0 |
| Steel castings | 51.5 | 51.2 | 48.8 | 52.4 |
| Cast-iron pipe and fittings | 19.2 | 19.4 | 19.1 | 15.1 |
| Tin cans and other tinware | 41.5 | 41.3 | 42.2 | 37.1 |
| Wire drawn from purchased rods | 29.9 | 29.9 | 29.2 | 28.9 |
| Wirework | 40.5 | 40.9 | 41.3 | 33.0 |
| Cutlery and edge tools | 27.7 | 27.3 | 25.8 | 23.1 |
| Tools (except edge tools, machine tools, files, and saws) | 26.8 | 26.4 | 26.8 | 23.2 |
| Hardware | 49.6 | 49.5 | 48.3 | 36.8 |
| Plumbers' supplies | 29.8 | 29.3 | 23.5 | 20.0 |
| Stoves, oil burners, and heating equipment not elsewhere classified | 60.7 | 62.0 | 60.3 | 51.3 |
| Steam and hot-water heating apparatus and steam fittings | 51.0 | 51.4 | 50.2 | 43.9 |
| Stamped and enameled ware and galvanizing | 84.0 | 83.7 | 82.1 | 67.4 |
| Fabricated structural and ornamental metalwork | 57.1 | 56.9 | 55.1 | 44.0 |
| Metal doors, sash, frames, molding, and trim | 10.1 | 10.1 | 10.0 | 7.5 |
| Bolts, nuts, washers, and rivets | 21.2 | 21.0 | 20.6 | 20.8 |
| Forgings, iron and steel | 26.7 | 26.7 | 26.5 | 25.1 |
| Wrought pipe, welded and heavy- riveted | 13.2 | 13.8 | 13.1 | 14.5 |
| Screw-machine products and wood screws | 29.3 | 29.3 | 29.0 | 26.1 |
| Steel barrels, kegs, and drums | 6.1 | 6.3 | 6.3 | 6.2 |
| Firearms | 14.0 | 14.2 | 14.2 | 10.3 |
| ELECTRICAL MACHINERY | 575 | 568 | 558 | 484 |
| Electrical equipment | 314.8 | 310.9 | 307.6 | 293.0 |
| Radios and phonographs | 93.3 | 91.5 | 88.5 | 62.8 |
| Communication equipment | 93.1 | 92.2 | 90.6 | 72.0 |

Table 1.-Estimated Number of Production Workers in Manufacturing Industries 1/Cont'd
(In thousands)

| Industry Group and Industry | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|---|--------------|--------------|--------------|--------------|
| MACHINERY, EXCEPT ELECTRICAL | 1,117 | 1,107 | 1,089 | 914 |
| Machinery and machine-shop products | 379.6 | 377.7 | 370.3 | 324.7 |
| Engines and turbines | 45.6 | 45.6 | 44.8 | 38.6 |
| Tractors | 54.5 | 53.7 | 53.7 | 51.5 |
| Agricultural machinery, excluding tractors | 44.8 | 43.5 | 42.3 | 40.3 |
| Machine tools | 60.0 | 59.7 | 62.0 | 53.3 |
| Machine-tool accessories 2/ | 51.5 | 51.8 | 51.2 | 45.1 |
| Textile machinery | 35.5 | 34.7 | 33.9 | 27.9 |
| Pumps and pumping equipment | 58.9 | 58.3 | 57.4 | 52.5 |
| Typewriters | 22.3 | 22.2 | 21.3 | 14.3 |
| Cash registers, adding and calculating machines | 37.3 | 36.4 | 35.4 | 27.4 |
| Washing machines, wringers and driers, domestic | 12.5 | 12.6 | 12.0 | 9.6 |
| Sewing machines, domestic and industrial | 10.7 | 10.5 | 10.3 | 7.9 |
| Refrigerators and refrigeration equipment | 65.2 | 64.1 | 63.5 | 44.7 |
| TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES | 456 | 447 | 440 | 536 |
| Locomotives | 27.1 | 27.1 | 27.4 | 23.3 |
| Cars, electric- and steam- railroad | 50.6 | 50.5 | 48.5 | 45.7 |
| Aircraft and parts, excluding aircraft engines | 144.7 | 146.3 | 143.2 | 120.7 |
| Aircraft engines | 28.9 | 29.3 | 28.6 | 21.9 |
| Shipbuilding and boatbuilding | 142.8 | 133.8 | 133.9 | 264.7 |
| Motorcycles, bicycles, and parts | 12.1 | 11.7 | 11.5 | 8.1 |
| AUTOMOBILES | 745 | 749 | 745 | 388 |
| NONFERROUS METALS AND THEIR PRODUCTS | 410 | 406 | 402 | 326 |
| Smelting and refining, primary, of nonferrous metals | 39.9 | 39.3 | 38.6 | 34.1 |
| Alloying and rolling and drawing of nonferrous metals except aluminum | 62.4 | 61.7 | 61.5 | 54.6 |
| Clocks and watches | 28.2 | 28.5 | 28.2 | 22.9 |
| Jewelry (precious metals) and jewelers' findings | 18.0 | 17.4 | 17.4 | 15.3 |
| Silverware and plated ware | 15.1 | 15.1 | 14.7 | 11.7 |
| Lighting equipment | 31.7 | 31.2 | 31.2 | 18.9 |
| Aluminum manufactures | 51.3 | 50.9 | 50.6 | 40.7 |
| Sheet-metal work, not elsewhere classified | 27.2 | 27.4 | 26.7 | 21.3 |

Table 1.-Estimated Number of Production Workers in Manufacturing Industries 1/Cont'd
(In thousands)

| Industry Group and Industry | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|---|--------------|--------------|--------------|--------------|
| LUMBER AND TIMBER BASIC PRODUCTS | 639 | 645 | 636 | 499 |
| Sawmills and logging camps | 230.7 | 235.5 | 234.2 | 197.2 |
| Planing and plywood mills | 76.5 | 76.8 | 75.6 | 62.9 |
| FURNITURE AND FINISHED LUMBER PRODUCTS | 407 | 401 | 393 | 336 |
| Mattresses and bedsprings | 23.1 | 23.8 | 22.8 | 17.1 |
| Furniture | 171.5 | 169.1 | 166.7 | 143.4 |
| Wooden boxes, other than cigar | 25.9 | 25.9 | 25.5 | 23.6 |
| Caskets and other morticians' goods | 14.6 | 13.9 | 13.1 | 12.2 |
| Wood preserving | 12.7 | 12.4 | 12.5 | 11.4 |
| Wood, turned and shaped | 24.1 | 23.2 | 22.9 | 21.3 |
| STONE, CLAY, AND GLASS PRODUCTS | 412 | 411 | 411 | 320 |
| Glass and glassware | 104.0 | 104.5 | 105.4 | 78.8 |
| Glass products made from purchased glass | 13.0 | 12.8 | 12.4 | 10.8 |
| Cement | 29.1 | 28.7 | 28.6 | 21.2 |
| Brick, tile, and terra cotta | 62.2 | 62.3 | 63.6 | 49.7 |
| Pottery and related products | 49.4 | 48.6 | 48.2 | 40.7 |
| Gypsum | 6.3 | 6.3 | 5.9 | 4.6 |
| Wallboard, plaster (except gypsum), and mineral wool | 11.1 | 11.0 | 10.8 | 9.8 |
| Lime | 8.9 | 9.0 | 9.0 | 7.9 |
| Marble, granite, slate, and other products | 17.3 | 17.2 | 17.2 | 13.8 |
| Abrasives | 20.1 | 20.0 | 19.8 | 16.3 |
| Asbestos products | 21.7 | 21.6 | 21.3 | 14.9 |
| Nondurable Goods | | | | |
| TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES | 1,252 | 1,240 | 1,224 | 1,113 |
| Cotton manufactures, except small wares | 468.8 | 465.3 | 459.5 | 423.8 |
| Cotton small wares | 14.5 | 14.3 | 14.5 | 13.4 |
| Silk and rayon goods | 95.6 | 94.8 | 93.8 | 87.1 |
| Woolen and worsted manufactures, except dyeing and finishing | 164.4 | 162.2 | 160.5 | 147.5 |
| Hosiery | 118.5 | 117.5 | 115.8 | 104.3 |
| Knitted cloth | 10.9 | 11.2 | 11.2 | 10.7 |
| Knitted outerwear and knitted gloves | 31.7 | 31.5 | 30.8 | 28.7 |
| Knitted underwear | 36.0 | 35.6 | 35.2 | 33.7 |
| Dyeing and finishing textiles, including woolen and worsted | 65.0 | 64.8 | 64.1 | 59.2 |
| Carpets and rugs, wool | 26.4 | 25.7 | 25.0 | 19.6 |
| Hats, fur-felt | 11.9 | 11.7 | 11.5 | 10.1 |
| Jute goods, except felts | 3.7 | 3.6 | 3.8 | 3.7 |
| Cordage and twine | 15.4 | 15.2 | 15.4 | 14.6 |

Table 1.-Estimated Number of Production Workers in Manufacturing Industries 1/Cont'd
(In thousands)

| Industry Group and Industry | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|--|--------------|--------------|--------------|--------------|
| APPAREL AND OTHER FINISHED TEXTILE PRODUCTS | 1,099 | 1,083 | 1,085 | 938 |
| Men's clothing, not elsewhere classified | 205.5 | 204.3 | 199.6 | 177.4 |
| Shirts, collars, and nightwear | 57.8 | 56.8 | 54.8 | 50.7 |
| Underwear and neckwear, men's | 12.9 | 12.8 | 12.8 | 11.5 |
| Work shirts | 13.8 | 13.5 | 13.4 | 13.0 |
| Women's clothing, not elsewhere classified | 211.2 | 208.9 | 216.9 | 203.9 |
| Corsets and allied garments | 16.9 | 16.6 | 16.3 | 14.9 |
| Millinery | 17.8 | 16.5 | 19.0 | 18.2 |
| Handkerchiefs | 2.5 | 2.4 | 2.4 | 2.4 |
| Curtains, draperies, and bedspreads | 12.8 | 14.5 | 15.0 | 11.5 |
| House furnishings, other than curtains, etc. | 10.5 | 10.4 | 11.2 | 9.1 |
| Textile bags | 14.8 | 14.4 | 14.1 | 14.7 |
| LEATHER AND LEATHER PRODUCTS | 360 | 354 | 352 | 330 |
| Leather | 42.9 | 41.1 | 41.6 | 42.4 |
| Boot and shoe cut stock and findings | 18.1 | 18.2 | 17.8 | 16.8 |
| Boots and shoes | 194.8 | 192.2 | 190.4 | 177.8 |
| Leather gloves and mittens | 10.6 | 10.9 | 11.0 | 11.4 |
| Trunks and suitcases | 14.5 | 14.5 | 14.7 | 12.2 |
| FOOD | 1,121 | 1,123 | 1,074 | 1,078 |
| Slaughtering and meat packing | 150.7 | 138.9 | 84.4 | 147.7 |
| Butter | 23.5 | 24.4 | 24.9 | 21.7 |
| Condensed and evaporated milk | 12.9 | 13.1 | 13.7 | 12.9 |
| Ice cream | 16.4 | 16.8 | 17.6 | 15.2 |
| Flour | 30.7 | 30.9 | 30.6 | 30.9 |
| Feeds, prepared | 21.2 | 21.8 | 21.7 | 23.3 |
| Cereal preparations | 10.8 | 11.0 | 10.8 | 10.0 |
| Baking | 252.7 | 249.0 | 241.3 | 253.2 |
| Sugar refining, cane | 14.7 | 12.5 | 11.5 | 12.9 |
| Sugar, beet | 16.1 | 22.0 | 19.5 | 18.0 |
| Confectionery | 58.6 | 57.1 | 55.8 | 55.2 |
| Beverages, nonalcoholic | 23.1 | 23.2 | 23.0 | 23.5 |
| Malt liquors | 53.7 | 53.3 | 53.0 | 53.4 |
| Canning and preserving | 115.3 | 131.9 | 173.3 | 107.4 |
| TOBACCO MANUFACTURES | 92 | 91 | 89 | 82 |
| Cigarettes | 34.5 | 34.5 | 33.9 | 33.0 |
| Cigars | 42.9 | 42.3 | 41.4 | 35.0 |
| Tobacco (chewing and smoking) and snuff | 7.8 | 8.0 | 7.8 | 8.5 |

Table 1.-Estimated Number of Production Workers in Manufacturing Industries 1/Cont'd
(In thousands)

| Industry Group and Industry | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|---|--------------|--------------|--------------|--------------|
| PAPER AND ALLIED PRODUCTS | 383 | 379 | 372 | 335 |
| Paper and pulp | 170.9 | 169.7 | 167.7 | 153.1 |
| Paper goods, other | 48.1 | 48.2 | 47.2 | 44.2 |
| Envelopes | 11.0 | 10.9 | 10.5 | 9.8 |
| Paper bags | 15.8 | 15.4 | 15.1 | 13.4 |
| Paper boxes | 92.7 | 91.7 | 89.6 | 81.6 |
| PRINTING, PUBLISHING, AND ALLIED INDUSTRIES | 403 | 399 | 394 | 355 |
| Newspapers and periodicals | 136.7 | 135.0 | 133.9 | 121.9 |
| Printing, book and job | 166.3 | 165.0 | 163.2 | 146.0 |
| Lithographing | 30.5 | 30.3 | 29.9 | 26.9 |
| Bookbinding | 34.1 | 33.6 | 33.0 | 28.7 |
| CHEMICALS AND ALLIED PRODUCTS | 504 | 501 | 491 | 488 |
| Paints, varnishes, and colors | 36.4 | 35.9 | 36.0 | 32.3 |
| Drugs, medicines, and insecticides | 53.8 | 53.5 | 53.1 | 48.7 |
| Perfumes and cosmetics | 11.6 | 12.4 | 12.6 | 12.2 |
| Soap | 14.3 | 13.8 | 13.7 | 13.6 |
| Rayon and allied products | 58.6 | 58.9 | 57.8 | 57.7 |
| Chemicals, not elsewhere classified | 122.9 | 120.5 | 118.1 | 112.8 |
| Explosives and safety fuses | 12.9 | 12.7 | 12.9 | 21.5 |
| Compressed and liquefied gases | 5.7 | 5.8 | 5.3 | 5.5 |
| Ammunition, small-arms | 6.6 | 6.8 | 6.9 | 9.9 |
| Fireworks | 3.5 | 3.5 | 3.4 | 2.3 |
| Cottonseed oil | 19.0 | 20.5 | 17.5 | 19.4 |
| Fertilizers | 23.1 | 22.1 | 22.0 | 22.6 |
| PRODUCTS OF PETROLEUM AND COAL | 150 | 151 | 151 | 140 |
| Petroleum refining | 99.4 | 99.1 | 99.2 | 95.1 |
| Coke and by-products | 25.2 | 25.9 | 25.8 | 23.1 |
| Paving materials | 1.7 | 1.8 | 2.0 | 1.6 |
| Roofing materials | 12.5 | 12.7 | 12.6 | 10.1 |
| RUBBER PRODUCTS | 248 | 245 | 240 | 203 |
| Rubber tires and inner tubes | 112.1 | 112.0 | 110.4 | 96.2 |
| Rubber boots and shoes | 19.7 | 19.2 | 18.4 | 15.9 |
| Rubber goods, other | 77.0 | 76.2 | 74.8 | 64.4 |
| MISCELLANEOUS INDUSTRIES | 446 | 442 | 438 | 360 |
| Instruments (professional and scientific), and fire control equipment | 20.4 | 19.4 | 20.6 | 22.4 |
| Photographic apparatus | 25.4 | 25.4 | 25.3 | 22.4 |
| Optical instruments and ophthalmic goods | 21.9 | 21.6 | 21.5 | 19.9 |
| Pianos, organs, and parts | 9.6 | 9.9 | 9.7 | 6.1 |
| Games, toys, and dolls | 24.1 | 25.2 | 24.3 | 17.5 |
| Buttons | 10.5 | 10.2 | 10.6 | 9.4 |
| Fire extinguishers | 2.2 | 2.1 | 2.1 | 2.4 |

Table 1.-Estimated Number of Production Workers in Manufacturing Industries 1/Cont'd

1/ December 1946 estimates are based on reports from 32,800 cooperating establishments covering 7,335,000 production workers. Estimates for the major industry groups have been adjusted to levels indicated by final 1944 data made available by the Bureau of Employment Security of the Federal Security Agency. Estimates for individual industries have been adjusted to levels indicated by the 1939 Census of Manufactures but not to Federal Security Agency data. For this reason, together with the fact that this Bureau has not prepared estimates for certain industries, the sum of the individual industry estimates will not agree with the totals shown for the major industry groups.

2/ Revisions have been made as follows in the data for earlier months:

Machine-tool accessories - October 1945 through September 1946 to 44.7, 46.9, 45.1, 45.7, 45.5, 45.9, 46.1, 45.9, 47.4, 47.5, 49.1, and 50.6 respectively.

Table 2. - Indexes of Production-Worker Employment and Pay Rolls
in Manufacturing Industries 1/
(1939 Average - 100)

| Industry Group and Industry | Employment Indexes | | | | Pay-Roll Indexes | | | |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| ALL MANUFACTURING | 149.9 | 149.1 | 146.8 | 128.4 | 300.1 | 291.8 | 286.4 | 226.2 |
| DURABLE GOODS | 172.3 | 172.0 | 169.4 | 141.2 | 328.3 | 321.6 | 318.5 | 240.0 |
| NONDURABLE GOODS | 132.2 | 131.2 | 129.0 | 118.4 | 272.4 | 262.6 | 255.1 | 212.7 |
| Durable Goods | | | | | | | | |
| IRON AND STEEL AND THEIR PRODUCTS | 147.4 | 148.9 | 145.5 | 130.5 | 265.5 | 270.0 | 263.2 | 220.5 |
| Blast furnaces, steel works, and rolling mills | 120.2 | 124.0 | 121.9 | 114.9 | 193.9 | 208.7 | 203.2 | 181.2 |
| Gray-iron and semi-steel castings | 144.6 | 144.1 | 140.2 | 123.7 | 307.0 | 298.7 | 294.0 | 240.5 |
| Malleable-iron castings | 134.3 | 137.5 | 135.5 | 127.3 | 286.1 | 294.4 | 292.5 | 253.3 |
| Steel castings | 171.3 | 170.3 | 162.0 | 174.2 | 315.4 | 315.5 | 291.0 | 296.8 |
| Cast-iron pipe and fittings | 116.2 | 117.6 | 115.7 | 91.2 | 259.9 | 262.4 | 253.5 | 176.4 |
| Tin cans and other tinware | 130.5 | 129.9 | 132.9 | 116.8 | 244.5 | 232.6 | 248.8 | 202.3 |
| Wire drawn from purchased rods | 135.9 | 136.3 | 132.7 | 131.7 | 239.6 | 240.7 | 231.3 | 199.7 |
| Wirework | 133.4 | 134.6 | 135.9 | 108.7 | 261.7 | 261.7 | 265.1 | 200.0 |
| Cutlery and edge tools | 179.8 | 177.3 | 167.4 | 149.7 | 404.7 | 389.9 | 368.9 | 301.7 |
| Tools (except edge tools, machine tools, files, and saws) | 175.0 | 172.4 | 174.9 | 151.5 | 360.8 | 348.8 | 355.8 | 272.5 |
| Hardware | 139.0 | 139.0 | 135.5 | 103.3 | 286.2 | 281.5 | 278.3 | 195.5 |
| Plumbers' supplies | 121.0 | 118.9 | 95.4 | 81.1 | 225.1 | 215.4 | 173.2 | 136.6 |
| Stoves, oil burners, and heating equipment not elsewhere classified | 131.6 | 134.4 | 130.8 | 111.2 | 263.3 | 265.0 | 258.9 | 197.7 |
| Steam and hot-water heating apparatus and steam fittings | 168.1 | 169.7 | 165.7 | 145.0 | 310.2 | 328.4 | 325.5 | 253.9 |
| Stamped and enameled ware and galvanizing | 151.3 | 150.7 | 147.7 | 121.3 | 316.8 | 303.2 | 300.7 | 222.4 |
| Fabricated structural and ornamental metalwork | 160.8 | 160.3 | 155.2 | 123.8 | 293.0 | 275.3 | 273.9 | 196.0 |
| Metal doors, sash, frames, molding, and trim | 130.2 | 131.0 | 129.2 | 96.8 | 257.4 | 250.2 | 247.9 | 165.2 |
| Bolts, nuts, washers, and rivets | 148.3 | 147.1 | 143.8 | 145.2 | 272.9 | 270.3 | 253.9 | 266.4 |
| Forgings, iron and steel <u>2/</u> | 173.9 | 173.9 | 172.1 | 163.5 | 333.2 | 323.6 | 318.6 | 285.6 |
| Wrought pipe, welded and heavy riveted | 157.7 | 164.9 | 156.3 | 173.3 | 285.2 | 294.7 | 261.9 | 280.1 |
| Screw-machine products and wood screws | 173.0 | 173.2 | 171.6 | 154.0 | 351.3 | 349.6 | 349.0 | 284.4 |
| Steel barrels, kegs, and drums | 100.1 | 103.8 | 104.0 | 101.9 | 231.9 | 237.2 | 223.0 | 183.1 |
| Firearms | 279.7 | 283.2 | 284.3 | 206.8 | 569.3 | 571.2 | 553.2 | 380.6 |
| ELECTRICAL MACHINERY | 222.0 | 219.2 | 215.2 | 186.9 | 414.3 | 400.6 | 393.1 | 308.5 |
| Electrical equipment | 174.1 | 172.0 | 170.1 | 162.1 | 317.0 | 308.3 | 303.7 | 261.6 |
| Radios and phonographs | 214.4 | 210.2 | 203.4 | 144.4 | 448.9 | 427.3 | 408.5 | 258.1 |
| Communication equipment | 289.7 | 287.0 | 282.0 | 224.1 | 537.6 | 521.3 | 521.5 | 369.5 |

Table 2. - Indexes of Production-Worker Employment and Pay Rolls
in Manufacturing Industries 1/ - Continued

| Industry Group and Industry | Employment Indexes | | | | Pay-Roll Indexes | | | |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| MACHINERY, EXCEPT ELECTRICAL | 211.3 | 209.5 | 206.0 | 172.9 | 394.8 | 375.5 | 373.5 | 288.7 |
| Machinery and machine-shop products | 187.6 | 186.7 | 183.0 | 160.5 | 346.7 | 336.8 | 333.5 | 265.4 |
| Engines and turbines | 244.5 | 244.5 | 240.1 | 207.2 | 500.8 | 492.4 | 481.7 | 364.1 |
| Tractors | 174.2 | 171.6 | 171.8 | 164.6 | 271.3 | 269.9 | 269.0 | 235.3 |
| Agricultural machinery, excluding tractors | 161.0 | 156.3 | 152.1 | 145.0 | 291.1 | 280.7 | 277.2 | 249.4 |
| Machine tools | 163.8 | 162.9 | 169.2 | 145.6 | 287.8 | 282.7 | 291.9 | 244.5 |
| Machine-tool accessories 2/ | 204.6 | 205.9 | 203.6 | 179.1 | 349.9 | 343.4 | 343.3 | 279.2 |
| Textile machinery | 161.8 | 158.5 | 154.7 | 127.5 | 315.8 | 301.1 | 298.3 | 241.2 |
| Pumps and pumping equipment | 243.1 | 240.6 | 237.0 | 216.8 | 467.8 | 451.1 | 452.8 | 406.3 |
| Typewriters | 137.2 | 137.2 | 131.6 | 88.1 | 270.1 | 279.0 | 261.6 | 163.9 |
| Cash registers, adding and calculating machines | 189.3 | 185.2 | 179.9 | 139.3 | 347.2 | 352.0 | 336.0 | 239.2 |
| Washing machines, wringers and driers, domestic | 167.2 | 169.0 | 160.3 | 128.3 | 303.5 | 292.5 | 301.2 | 207.1 |
| Sewing machines, domestic and industrial | 136.2 | 133.6 | 130.8 | 100.3 | 273.0 | 260.5 | 255.0 | 180.6 |
| Refrigerators and refrigeration equipment | 185.5 | 182.2 | 180.6 | 127.1 | 305.4 | 300.9 | 311.4 | 198.2 |
| TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES | 287.2 | 281.6 | 277.2 | 338.0 | 550.0 | 511.5 | 522.4 | 577.2 |
| Locomotives | 418.8 | 419.4 | 423.6 | 360.3 | 876.0 | 836.8 | 695.6 | 772.9 |
| Cars, electric- and steam-railroad | 206.2 | 206.0 | 197.6 | 186.2 | 411.2 | 409.4 | 386.2 | 314.8 |
| Aircraft and parts, excluding aircraft engines | 364.8 | 368.8 | 360.9 | 304.1 | 683.3 | 680.4 | 681.3 | 520.4 |
| Aircraft engines | 325.4 | 329.0 | 321.8 | 246.2 | 527.2 | 477.6 | 530.2 | 346.3 |
| Shipbuilding and boatbuilding | 206.2 | 193.2 | 193.3 | 382.3 | 397.6 | 336.8 | 353.7 | 641.2 |
| Motorcycles, bicycles, and parts | 173.6 | 168.1 | 165.0 | 116.2 | 346.7 | 318.4 | 317.5 | 195.9 |
| AUTOMOBILES | 185.1 | 186.1 | 185.2 | 96.4 | 324.5 | 315.8 | 312.3 | 135.5 |
| NONFERROUS METALS AND THEIR PRODUCTS | 178.9 | 177.2 | 175.4 | 142.2 | 344.1 | 332.5 | 326.3 | 250.4 |
| Smelting and refining, primary, of nonferrous metals | 144.4 | 142.1 | 139.9 | 123.5 | 269.2 | 256.8 | 250.6 | 213.3 |
| Alloying and rolling and drawing of nonferrous metals except aluminum | 160.8 | 158.8 | 158.4 | 140.6 | 305.3 | 291.4 | 286.6 | 247.0 |
| Clocks and watches | 139.1 | 140.5 | 138.8 | 112.9 | 306.3 | 309.6 | 301.6 | 211.6 |
| Jewelry (precious metals) and jewelers' findings | 124.5 | 120.4 | 120.8 | 106.0 | 248.0 | 228.8 | 235.5 | 195.6 |
| Silverware and plated ware | 124.7 | 124.3 | 121.6 | 96.8 | 273.2 | 258.9 | 257.5 | 192.3 |
| Lighting equipment | 154.8 | 152.5 | 152.3 | 92.4 | 272.7 | 271.2 | 264.6 | 139.0 |
| Aluminum manufactures | 217.7 | 216.3 | 214.9 | 172.6 | 384.5 | 373.7 | 362.0 | 266.7 |
| Sheet-metal work, not elsewhere classified | 145.1 | 146.2 | 142.2 | 116.2 | 286.4 | 281.8 | 280.8 | 215.0 |

Table 2. - Indexes of Production-Worker Employment and Pay Rolls
in Manufacturing Industries 1/ - Continued

| Industry Group and Industry | Employment Indexes | | | | Pay-Roll Indexes | | | |
|--|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| LUMBER AND TIMBER BASIC PRODUCTS | 151.9 | 153.5 | 151.2 | 118.6 | 312.4 | 306.9 | 314.5 | 199.4 |
| Sawmills and logging camps | 80.1 | 81.8 | 81.3 | 68.5 | 162.8 | 163.5 | 169.6 | 114.1 |
| Planing and plywood mills | 105.3 | 105.7 | 104.1 | 86.6 | 215.4 | 204.7 | 208.1 | 144.8 |
| FURNITURE AND FINISHED LUMBER PRODUCTS | 123.9 | 122.1 | 119.8 | 102.6 | 266.9 | 256.8 | 252.7 | 188.1 |
| Mattresses and bedsprings | 125.9 | 129.8 | 124.3 | 93.4 | 259.0 | 258.6 | 251.8 | 161.7 |
| Furniture | 107.8 | 106.2 | 104.7 | 90.1 | 230.7 | 223.0 | 220.3 | 164.3 |
| Wooden boxes, other than cigar | 102.2 | 102.0 | 100.6 | 93.2 | 234.6 | 223.8 | 225.7 | 188.8 |
| Caskets and other morticians' goods | 117.1 | 112.0 | 105.6 | 97.8 | 225.8 | 206.7 | 193.0 | 164.7 |
| Wood preserving | 112.6 | 110.7 | 111.4 | 101.4 | 278.1 | 267.8 | 265.8 | 211.0 |
| Wood, turned and shaped | 109.6 | 105.6 | 104.2 | 96.6 | 237.0 | 222.4 | 219.1 | 178.2 |
| STONE, CLAY, AND GLASS PRODUCTS | 140.5 | 140.0 | 139.9 | 109.1 | 274.0 | 267.4 | 264.0 | 181.7 |
| Glass and glassware | 149.0 | 149.7 | 150.9 | 112.9 | 284.6 | 278.5 | 274.2 | 182.1 |
| Glass products made from purchased glass | 129.6 | 127.8 | 123.7 | 108.0 | 264.2 | 253.2 | 239.6 | 180.8 |
| Cement | 122.2 | 120.6 | 120.2 | 89.0 | 209.3 | 206.7 | 205.4 | 136.1 |
| Brick, tile, and terra cotta | 109.6 | 109.7 | 112.1 | 87.5 | 225.2 | 222.3 | 228.0 | 147.5 |
| Pottery and related products | 149.1 | 146.8 | 145.5 | 123.0 | 274.4 | 262.5 | 262.0 | 195.3 |
| Gypsum | 127.3 | 126.7 | 119.6 | 95.8 | 244.3 | 240.7 | 232.1 | 158.4 |
| Wallboard, plaster (except gypsum), and mineral wool | 137.1 | 135.6 | 133.0 | 121.1 | 301.6 | 289.7 | 281.7 | 228.3 |
| Lime | 93.6 | 95.2 | 94.7 | 83.7 | 219.7 | 221.4 | 218.3 | 171.8 |
| Marble, granite, slate, and other products | 93.6 | 93.2 | 92.8 | 74.5 | 158.0 | 151.5 | 155.8 | 113.6 |
| Abrasives | 260.0 | 259.0 | 256.2 | 211.2 | 459.9 | 440.8 | 407.8 | 337.8 |
| Asbestos products | 136.4 | 136.0 | 134.1 | 93.6 | 300.0 | 293.4 | 287.5 | 181.3 |
| Nondurable Goods | | | | | | | | |
| TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES | 109.4 | 108.4 | 107.0 | 97.3 | 255.7 | 247.9 | 242.9 | 188.0 |
| Cotton manufactures, except small wares | 118.4 | 117.5 | 116.0 | 107.0 | 301.2 | 293.5 | 285.4 | 216.2 |
| Cotton small wares | 109.0 | 107.5 | 108.8 | 100.3 | 231.9 | 220.6 | 228.7 | 191.5 |
| Silk and rayon goods | 79.8 | 79.1 | 78.3 | 72.7 | 197.9 | 191.4 | 189.3 | 148.8 |
| Woolen and worsted manufactures, except dyeing and finishing | 110.2 | 108.7 | 107.5 | 98.8 | 253.0 | 242.7 | 243.7 | 200.0 |
| Hosiery | 74.5 | 73.9 | 72.8 | 65.6 | 158.2 | 154.5 | 150.4 | 113.1 |
| Knitted cloth | 99.6 | 102.9 | 102.3 | 97.8 | 207.1 | 217.4 | 217.1 | 186.7 |
| Knitted outerwear and knitted gloves | 112.7 | 112.0 | 109.6 | 101.9 | 250.4 | 252.2 | 243.9 | 197.7 |
| Knitted underwear | 93.4 | 92.4 | 91.3 | 87.6 | 216.1 | 207.9 | 203.9 | 166.1 |
| Dyeing and finishing textiles including woolen and worsted | 97.2 | 96.9 | 95.9 | 88.6 | 210.4 | 201.6 | 195.2 | 163.9 |
| Carpets and rugs, wool | 103.1 | 100.3 | 97.9 | 76.6 | 214.3 | 204.0 | 196.2 | 132.5 |
| Hats, fur-felt | 81.9 | 80.6 | 79.1 | 69.7 | 192.0 | 185.2 | 182.0 | 147.4 |
| Jute goods, except felts | 102.3 | 101.2 | 106.4 | 103.7 | 236.4 | 228.6 | 239.4 | 206.2 |
| Cordage and twine | 127.2 | 125.8 | 127.2 | 120.5 | 278.4 | 268.0 | 268.5 | 228.4 |

Table 2. - Indexes of Production-Worker Employment and Pay Rolls
in Manufacturing Industries 1/ - Continued

| Industry Group and Industry | Employment Indexes | | | | Pay-Roll Indexes | | | |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| APPAREL AND OTHER FINISHED TEXTILE PRODUCTS | 139.2 | 137.2 | 137.4 | 118.9 | 298.3 | 288.5 | 288.9 | 215.0 |
| Men's clothing, not elsewhere classified | 94.0 | 93.4 | 91.3 | 81.1 | 210.7 | 206.7 | 189.4 | 140.7 |
| Shirts, collars, and nightwear | 82.0 | 80.6 | 77.8 | 72.0 | 198.1 | 188.3 | 172.7 | 133.5 |
| Underwear and neckwear, men's | 79.8 | 79.0 | 79.0 | 71.2 | 203.3 | 205.8 | 197.4 | 154.4 |
| Work shirts | 102.2 | 100.7 | 99.5 | 96.5 | 254.1 | 242.6 | 221.3 | 172.7 |
| Women's clothing, not elsewhere classified | 77.7 | 76.9 | 79.9 | 75.1 | 159.1 | 154.2 | 170.5 | 140.9 |
| Corsets and allied garments | 90.0 | 88.3 | 86.8 | 79.4 | 185.9 | 182.1 | 177.1 | 140.4 |
| Millinery | 73.3 | 67.8 | 78.4 | 74.8 | 116.7 | 100.4 | 138.7 | 118.6 |
| Handkerchiefs | 51.5 | 50.6 | 48.6 | 49.1 | 124.7 | 118.8 | 108.8 | 92.4 |
| Curtains, draperies, and bedspreads | 75.9 | 86.0 | 88.8 | 68.1 | 164.9 | 190.5 | 196.2 | 137.1 |
| House furnishings, other than curtains, etc. | 98.6 | 98.0 | 105.1 | 85.5 | 207.1 | 207.0 | 200.2 | 150.1 |
| Textile bags 2/ | 123.5 | 120.1 | 117.3 | 122.3 | 242.7 | 226.9 | 219.7 | 206.4 |
| LEATHER AND LEATHER PRODUCTS | 103.6 | 102.1 | 101.5 | 95.2 | 216.8 | 200.1 | 198.1 | 179.2 |
| Leather | 90.7 | 87.0 | 83.1 | 89.7 | 174.5 | 160.8 | 158.7 | 161.6 |
| Boot and shoe cut stock and findings | 95.8 | 96.5 | 94.6 | 89.0 | 178.4 | 170.9 | 170.0 | 154.6 |
| Boots and shoes | 89.3 | 88.2 | 87.3 | 81.6 | 194.7 | 177.6 | 175.4 | 157.1 |
| Leather gloves and mittens | 106.0 | 108.6 | 109.8 | 113.9 | 201.9 | 211.9 | 219.6 | 202.1 |
| Trunks and suitcases | 175.9 | 174.6 | 176.6 | 146.4 | 348.4 | 341.6 | 346.1 | 263.7 |
| FOOD | 131.2 | 131.4 | 125.7 | 126.2 | 259.2 | 248.1 | 228.6 | 220.4 |
| Slaughtering and meat packing | 125.0 | 115.3 | 70.0 | 122.6 | 236.9 | 215.7 | 110.5 | 214.9 |
| Butter | 130.6 | 136.1 | 138.5 | 121.1 | 246.6 | 243.4 | 256.1 | 197.6 |
| Condensed and evaporated milk | 132.5 | 135.4 | 140.7 | 132.8 | 256.2 | 253.7 | 264.9 | 215.9 |
| Ice cream | 104.4 | 107.2 | 111.9 | 96.7 | 185.5 | 183.2 | 194.9 | 148.8 |
| Flour | 123.9 | 124.8 | 123.5 | 124.9 | 267.8 | 256.1 | 256.4 | 221.3 |
| Feeds, prepared | 137.6 | 141.5 | 140.7 | 151.3 | 266.9 | 273.5 | 268.2 | 261.6 |
| Cereal preparations | 145.0 | 147.0 | 145.1 | 133.8 | 271.9 | 271.6 | 274.7 | 230.3 |
| Baking | 109.6 | 107.9 | 104.6 | 109.8 | 209.0 | 199.0 | 190.8 | 181.2 |
| Sugar refining, cane | 103.5 | 88.4 | 81.4 | 91.4 | 194.4 | 142.8 | 125.5 | 140.1 |
| Sugar, beet | 154.8 | 211.1 | 187.0 | 173.3 | 341.8 | 426.2 | 310.1 | 279.7 |
| Confectionery | 117.9 | 114.9 | 112.1 | 110.9 | 240.5 | 226.9 | 212.1 | 201.6 |
| Beverages, nonalcoholic | 108.5 | 109.2 | 108.3 | 110.7 | 169.1 | 163.7 | 161.6 | 150.4 |
| Malt liquors | 148.7 | 147.6 | 146.7 | 148.0 | 251.2 | 236.9 | 235.4 | 227.1 |
| Canning and preserving | 85.7 | 98.1 | 128.9 | 79.8 | 199.9 | 212.9 | 324.7 | 167.3 |
| TOBACCO MANUFACTURES | 98.3 | 97.3 | 95.8 | 87.8 | 222.0 | 212.7 | 207.4 | 164.1 |
| Cigarettes | 125.9 | 125.7 | 123.7 | 120.4 | 254.7 | 247.1 | 238.9 | 184.8 |
| Cigars | 84.3 | 83.0 | 81.4 | 63.8 | 206.7 | 194.3 | 191.7 | 148.8 |
| Tobacco (chewing and smoking) and snuff | 85.4 | 87.0 | 85.6 | 92.5 | 166.8 | 166.7 | 160.0 | 155.8 |

Table 2. - Indexes of Production-Worker Employment and Pay Rolls
in Manufacturing Industries 1/ - Continued

| Industry Group and Industry | Employment Indexes | | | | Pay-Roll Indexes | | | |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| PAPER AND ALLIED PRODUCTS | 144.3 | 142.9 | 140.2 | 126.3 | 281.7 | 273.9 | 265.8 | 219.0 |
| Paper and pulp | 124.3 | 123.5 | 122.0 | 111.4 | 244.8 | 240.2 | 234.9 | 196.6 |
| Paper goods, other | 127.7 | 127.9 | 125.5 | 117.6 | 249.7 | 240.7 | 233.5 | 198.1 |
| Envelopes | 126.7 | 125.0 | 121.3 | 112.3 | 235.4 | 229.3 | 212.9 | 178.8 |
| Paper bags 2/ | 142.4 | 139.1 | 136.4 | 121.2 | 283.5 | 263.6 | 264.8 | 218.3 |
| Paper boxes | 134.0 | 132.6 | 129.5 | 118.0 | 261.4 | 253.6 | 245.0 | 203.1 |
| PRINTING, PUBLISHING, AND ALLIED INDUSTRIES | 122.8 | 121.6 | 120.1 | 103.1 | 214.9 | 205.5 | 200.3 | 163.2 |
| Newspapers and periodicals | 115.2 | 113.7 | 112.8 | 102.7 | 189.7 | 182.0 | 178.9 | 141.9 |
| Printing, book and job | 131.6 | 130.6 | 129.2 | 115.5 | 239.4 | 227.9 | 220.8 | 184.7 |
| Lithographing | 117.3 | 116.5 | 115.1 | 103.4 | 203.4 | 196.1 | 191.4 | 161.6 |
| Bookbinding | 132.3 | 130.5 | 128.0 | 111.2 | 283.6 | 269.1 | 262.1 | 212.1 |
| CHEMICALS AND ALLIED PRODUCTS | 174.9 | 173.7 | 170.5 | 169.2 | 322.1 | 311.8 | 303.5 | 283.4 |
| Paints, varnishes, and colors | 129.2 | 127.7 | 127.9 | 114.8 | 214.7 | 208.2 | 204.8 | 178.1 |
| Drugs, medicines, and insecticides | 193.4 | 195.4 | 193.8 | 177.8 | 351.3 | 341.9 | 331.9 | 276.2 |
| Perfumes and cosmetics | 111.8 | 120.0 | 121.8 | 118.1 | 202.4 | 215.5 | 212.7 | 183.0 |
| Soap | 105.5 | 101.3 | 100.8 | 100.1 | 195.7 | 170.8 | 169.0 | 168.9 |
| Rayon and allied products | 121.3 | 121.9 | 119.8 | 119.6 | 216.3 | 215.2 | 209.8 | 193.8 |
| Chemicals, not elsewhere classified | 176.7 | 173.3 | 169.8 | 162.2 | 313.4 | 301.3 | 294.0 | 267.0 |
| Explosives and safety fuses | 178.0 | 174.6 | 178.2 | 296.6 | 299.2 | 282.7 | 292.4 | 469.7 |
| Compressed and liquefied gases | 144.0 | 146.0 | 133.6 | 140.0 | 243.2 | 242.5 | 220.0 | 225.6 |
| Ammunition, small-arms | 155.8 | 159.8 | 160.9 | 233.2 | 326.7 | 332.3 | 326.2 | 436.5 |
| Fireworks | 268.7 | 305.9 | 290.2 | 198.8 | 788.6 | 824.6 | 778.4 | 496.2 |
| Cottonseed oil | 124.8 | 134.7 | 115.3 | 128.0 | 328.7 | 341.3 | 277.7 | 279.6 |
| Fertilizers | 122.8 | 117.7 | 117.1 | 120.4 | 304.9 | 276.6 | 280.4 | 257.9 |
| PRODUCTS OF PETROLEUM AND COAL | 142.1 | 142.6 | 142.8 | 132.3 | 246.6 | 245.7 | 245.8 | 222.2 |
| Petroleum refining | 136.4 | 136.0 | 136.2 | 130.6 | 233.2 | 226.9 | 228.2 | 212.6 |
| Coke and by-products | 116.0 | 119.3 | 113.9 | 106.5 | 197.4 | 217.9 | 215.8 | 190.0 |
| Paving materials | 69.5 | 72.4 | 82.3 | 64.5 | 132.9 | 135.2 | 150.5 | 128.1 |
| Roofing materials | 156.8 | 157.2 | 157.1 | 125.7 | 309.8 | 313.8 | 303.5 | 228.9 |
| RUBBER PRODUCTS | 204.7 | 202.9 | 198.7 | 168.2 | 402.3 | 385.1 | 368.5 | 275.5 |
| Rubber tires and inner tubes | 207.2 | 207.0 | 204.0 | 177.8 | 371.5 | 360.3 | 346.1 | 256.7 |
| Rubber boots and shoes | 132.7 | 129.6 | 123.9 | 107.1 | 272.6 | 253.7 | 214.8 | 194.5 |
| Rubber goods, other | 148.7 | 147.1 | 144.5 | 124.4 | 308.6 | 292.4 | 288.5 | 225.1 |
| MISCELLANEOUS INDUSTRIES | 182.1 | 180.8 | 178.9 | 147.3 | 361.2 | 351.8 | 348.4 | 266.7 |
| Instruments (professional and scientific), and fire control equipment | 184.3 | 175.9 | 186.4 | 202.8 | 334.6 | 310.7 | 331.5 | 332.1 |
| Photographic apparatus | 146.8 | 146.8 | 146.8 | 129.9 | 253.1 | 253.4 | 246.6 | 204.3 |
| Optical instruments and ophthalmic goods | 188.5 | 185.7 | 185.4 | 171.1 | 346.3 | 337.1 | 332.8 | 290.6 |
| Pianos, organs, and parts | 125.6 | 130.4 | 127.0 | 80.2 | 252.4 | 273.0 | 250.5 | 138.3 |
| Games, toys, and dolls | 128.9 | 135.2 | 130.4 | 94.0 | 271.6 | 289.7 | 275.4 | 172.6 |
| Buttons | 95.5 | 93.0 | 96.4 | 85.7 | 215.7 | 211.3 | 211.0 | 173.2 |
| Fire extinguishers | 219.6 | 213.3 | 208.2 | 238.9 | 438.8 | 431.9 | 415.8 | 491.5 |

Table 2. - Indexes of Production-Worker Employment and
Pay Rolls in Manufacturing Industries 1/-Continued

- 1/ These indexes are based on reports from 32,800 cooperating establishments covering 7,335,000 full- and part-time production workers who worked or received pay during any part of one pay period ending nearest the 15th of December 1946. Indexes for the major industry groups have been adjusted to levels indicated by final 1944 data made available by the Bureau of Employment Security of the Federal Security Agency.
- 2/ Revisions have been made as follows in the indexes for earlier months:
- Forgings, iron and steel - September 1946 pay roll to 306.1.
- Machine-tool accessories - October 1945 through September 1946 employment to 177.5, 174.4, 179.1, 181.8, 180.7, 182.3, 183.1, 182.6, 188.5, 188.7, 195.3, and 201.0 respectively. August through November 1945 pay roll to 356.1, 274.2, 267.3, and 263.4; February through June 1946 to 279.4, 291.1, 288.4, 291.6, and 304.3.
- Textile bags - September 1946 pay roll to 207.2.
- Paper bags - September 1946 pay roll to 252.6.

Table 3. - Estimated Number of Employees in
Selected Nonmanufacturing Industries 1/ (In thousands)

| Industry Group and Industry | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|--------------------------------|-----------|-----------|-----------|-----------|
| Mining 2/ | | | | |
| Anthracite | 69.1 | 68.7 | 68.9 | 65.4 |
| Bituminous coal | 326 | 334 | 334 | 333 |
| Metal | 76.2 | 75.2 | 74.1 | 66.3 |
| Iron | 26.5 | 27.4 | 27.8 | 23.7 |
| Copper | 23.5 | 22.5 | 21.8 | 19.7 |
| Lead and zinc | 16.1 | 15.5 | 15.0 | 14.2 |
| Gold and silver | 7.7 | 7.4 | 7.2 | 6.5 |
| Miscellaneous | 2.4 | 2.4 | 2.3 | 2.2 |
| Telephone | 586 | 583 | 577 | 454 |
| Telegraph 3/ | 4/ | 40.9 | 41.5 | 47.6 |
| Electric light and power | 252 | 250 | 249 | 222 |
| Street railways and busses | 252 | 253 | 252 | 238 |
| Hotels (year-round) | 384 | 388 | 389 | 379 |
| Power laundries | 5/ | 5/ | 5/ | 5/ |
| Cleaning and dyeing | 5/ | 5/ | 5/ | 5/ |
| Class I steam railroads 6/ | 1,353 | 1,382 | 1,376 | 1,397 |
| Water transportation 7/ | 4/ | 4/ | 104 | 166 |

1/ See footnote 1/, table 5, page 15.

2/ Data are for production workers only.

3/ Excludes messengers, and approximately 6,000 employees of general and divisional headquarters and of cable companies.

4/ Not available.

5/ The change in definition from "wage earner" to "production worker" in the power laundries and cleaning and dyeing industries results in the omission of driver-salesmen. This causes a significant difference in the data. New series are being prepared.

6/ Source: Interstate Commerce Commission.

7/ Based on estimates prepared by the U. S. Maritime Commission covering employment on active deep-sea American-flag steam and motor merchant vessels of 1,000 gross tons and over. Excludes employment on vessels under bareboat charter to, or owned by the Army or Navy. Beginning with October 1946, data relate to the end of the preceding month.

Table 4. - Percentage Changes in Employment and Pay Rolls
in Selected Nonmanufacturing Industries, December 1946

| Industry Group and Industry | Employment | | Pay Roll | |
|--|--|--------------|--|--------------|
| | Percentage change from Nov. 1946 | Dec. 1945 | Percentage change from Nov. 1946 | Dec. 1945 |
| Wholesale trade: | / 1.5 | / 9.9 | / 4.0 | / 23.9 |
| Food products | / .4 | / 3.4 | / 1.4 | / 15.5 |
| Groceries and food specialties | / 1.5 | / 6.1 | / 2.2 | / 22.7 |
| Dry goods and apparel | / .3 | / 10.7 | - 2.0 | / 25.8 |
| Machinery, equipment and supplies | / .6 | / 10.9 | / 2.3 | / 24.8 |
| Farm products | / 29.1 | / 31.8 | / 26.1 | / 42.5 |
| Petroleum and petroleum products (incl. bulk tank stations) | / 1.0 | / 12.5 | / 7.1 | / 21.7 |
| Automotive | / 1.9 | / 24.5 | / 4.0 | / 37.5 |
| Brokerage | - .6 | / 9.0 | / 3.3 | / .5 |
| Insurance | / .5 | / 14.4 | / 1.5 | / 24.2 |

Table 5. - Indexes of Employment and Pay Rolls in
Selected Nonmanufacturing Industries 1/
(1939 Average = 100)

| Industry Group and Industry | Employment Indexes | | | | Pay-Roll Indexes | | | |
|--------------------------------------|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| Mining: | | | | | | | | |
| Anthracite | 83.5 | 82.9 | 83.2 | 79.0 | 212.3 | 182.3 | 199.9 | 167.1 |
| Bituminous coal | 88.1 | 90.0 | 90.1 | 89.8 | 258.3 | 233.1 | 237.1 | 222.0 |
| Metal: | 86.4 | 85.2 | 83.9 | 75.2 | 159.3 | 146.9 | 148.0 | 117.6 |
| Iron | 132.4 | 136.1 | 138.7 | 117.6 | 239.7 | 238.6 | 252.4 | 178.2 |
| Copper | 98.4 | 94.6 | 91.2 | 82.5 | 192.7 | 170.0 | 167.1 | 135.4 |
| Lead and zinc | 103.4 | 99.4 | 96.3 | 91.5 | 220.1 | 192.1 | 188.5 | 173.5 |
| Gold and silver | 31.0 | 29.7 | 28.9 | 26.2 | 49.7 | 44.2 | 43.0 | 34.4 |
| Miscellaneous | 59.6 | 60.9 | 59.2 | 55.0 | 93.3 | 99.9 | 99.9 | 82.8 |
| Quarrying and nonmetallic | 99.5 | 101.2 | 101.7 | 83.8 | 221.3 | 222.4 | 227.6 | 155.0 |
| Crude petroleum production <u>2/</u> | 92.6 | 93.0 | 93.4 | 88.4 | 151.9 | 155.3 | 150.1 | 135.9 |
| Public utilities: | | | | | | | | |
| Telephones | 184.6 | 183.4 | 181.6 | 143.0 | 264.5 | 273.0 | 269.2 | 203.5 |
| Telegraph | <u>3/</u> | 108.7 | 110.3 | 126.4 | <u>3/</u> | 194.2 | 201.7 | 178.8 |
| Electric light and power | 103.0 | 102.5 | 102.0 | 90.7 | 161.6 | 157.6 | 155.3 | 129.8 |
| Street railways and busses | 130.1 | 130.6 | 130.3 | 122.7 | 213.6 | 210.9 | 212.6 | 184.0 |
| Wholesale trade | 114.4 | 112.7 | 110.7 | 104.1 | 197.2 | 189.7 | 184.5 | 159.2 |
| Retail trade: | 126.5 | 117.2 | 112.2 | 116.0 | 211.1 | 191.5 | 182.5 | 167.6 |
| Food | 111.8 | 108.6 | 103.7 | 108.0 | 194.6 | 185.6 | 174.6 | 159.5 |
| General merchandise | 171.1 | 144.8 | 132.4 | 152.5 | 272.4 | 225.0 | 204.8 | 209.2 |
| Apparel | 135.7 | 124.3 | 120.1 | 129.1 | 230.6 | 207.9 | 201.5 | 194.0 |
| Furniture and house furnishings | 90.4 | 85.5 | 83.1 | 75.1 | 165.7 | 148.6 | 139.8 | 114.3 |
| Automotives | 100.2 | 98.4 | 96.6 | 84.5 | 178.8 | 169.3 | 166.0 | 134.8 |
| Lumber and building materials | 116.1 | 115.2 | 113.6 | 102.0 | 200.5 | 191.9 | 190.9 | 156.7 |
| Hotels (year-round) <u>4/</u> | 119.1 | 120.2 | 120.6 | 117.6 | 218.8 | 218.5 | 214.5 | 196.1 |
| Power laundries | 110.9 | 109.9 | 110.1 | 107.8 | 201.0 | 191.5 | 189.8 | 174.3 |
| Cleaning and dyeing | 120.9 | 123.0 | 126.1 | 119.9 | 219.5 | 217.0 | 225.7 | 196.9 |
| Class I steam railroads <u>5/</u> | 137.0 | 139.9 | 139.3 | 141.4 | <u>3/</u> | <u>3/</u> | <u>3/</u> | <u>3/</u> |
| Water transportation <u>6/</u> | <u>3/</u> | <u>3/</u> | 199.2 | 315.7 | <u>3/</u> | <u>3/</u> | 422.6 | 583.1 |

1/ These figures are based on reports from cooperating establishments covering both full- and part-time employees who worked or received pay during any part of one pay period ending nearest the 15th of December 1946, as follows:

Mining: 2,800 establishments - 384,000 production workers.

Public utilities: 2,800 establishments - 780,000 employees.

Wholesale trade: 11,100 establishments - 311,000 employees.

Retail trade: 36,700 establishments - 1,194,000 employees.

Hotels (year-round): 1,300 establishments - 134,000 employees.

Power laundries and cleaning and dyeing: 1,500 establishments - 71,000 production workers.

2/ Does not include well drilling or rig building. September 1946 pay roll revised to 149.5.

3/ Not available.

4/ Cash payments only; additional value of board, room, and tips, not included.

5/ Source: Interstate Commerce Commission.

6/ Based on estimates prepared by the U. S. Maritime Commission covering employment on active deep-sea American-flag steam and motor merchant vessels of 1,000 gross tons and over.

Excludes employment on vessels under bareboat charter to, or owned by the Army or Navy.

Beginning with October 1946, data relate to the end of the preceding month.

Table 6. - Estimated Number of Employees in Nonagricultural Establishments,
by Industry Division

(In thousands)

| Industry Division | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
|--|--------------|--------------|--------------|--------------|
| Total <u>1/</u> | 40,795 | 40,381 | 40,178 | 37,463 |
| Manufacturing <u>2/</u> | 15,048 | 14,967 | 14,763 | 13,059 |
| Mining | 819 | 828 | 827 | 802 |
| Contract construction and Federal force-account construction | 1,642 | 1,808 | 2,040 | 1,042 |
| Transportation and public utilities | 3,977 | 4,005 | 3,987 | 3,896 |
| Trade | 8,610 | 8,259 | 8,040 | 7,959 |
| Finance, service and miscellaneous | 5,260 | 5,244 | 5,208 | 4,936 |
| Federal, State and local government excluding Federal force-account construction | 5,439 | 5,270 | 5,313 | 5,769 |

- 1/ Estimates include all full- and part-time wage and salary workers in non-agricultural establishments who worked or received pay during the pay period ending nearest the 15th of the month. Proprietors, self-employed persons, domestic servants, and personnel of the armed forces are excluded.
- 2/ Estimates for manufacturing have been adjusted to levels indicated by final 1944 data made available by the Bureau of Employment Security of the Federal Security Agency and are comparable with the estimates shown in tables 1 and 7.

Table 7. - Estimated Number of Employees ^{1/} in Manufacturing Industries by Major Industry Group

| Industry Group | All Employees ^{2/} (In thousands) | | | |
|--|--|--------------|--------------|--------------|
| | Dec. 1946 | Nov. 1946 | Oct. 1946 | Dec. 1945 |
| All manufacturing | 15,048 | 14,967 | 14,763 | 13,059 |
| Durable goods | 7,532 | 7,512 | 7,415 | 6,310 |
| Nondurable goods | 7,516 | 7,455 | 7,348 | 6,749 |
| Iron and steel and their products | 1,717 | 1,731 | 1,693 | 1,532 |
| Electrical machinery | 743 | 735 | 724 | 654 |
| Machinery, except electrical | 1,435 | 1,424 | 1,403 | 1,199 |
| Transportation equipment, except automobiles | 583 | 570 | 566 | 706 |
| Automobiles | 914 | 920 | 919 | 489 |
| Nonferrous metals and their products | 476 | 470 | 465 | 393 |
| Lumber and timber basic products | 704 | 710 | 701 | 552 |
| Furniture and finished lumber products | 481 | 476 | 467 | 404 |
| Stone, clay, and glass products | 479 | 476 | 477 | 381 |
| Textile-mill products and other fiber manufactures | 1,362 | 1,351 | 1,332 | 1,214 |
| Apparel and other finished textile products | 1,249 | 1,232 | 1,234 | 1,066 |
| Leather and leather products | 401 | 394 | 392 | 367 |
| Food | 1,521 | 1,520 | 1,467 | 1,456 |
| Tobacco manufactures | 106 | 104 | 102 | 94 |
| Paper and allied products | 461 | 456 | 449 | 407 |
| Printing, publishing, and allied industries | 660 | 653 | 646 | 588 |
| Chemicals and allied products | 665 | 662 | 650 | 634 |
| Products of petroleum and coal | 214 | 216 | 216 | 197 |
| Rubber products | 303 | 300 | 295 | 250 |
| Miscellaneous industries | 574 | 567 | 565 | 476 |

^{1/} Estimates include all full- and part-time wage and salary workers in manufacturing industries who worked or received pay during the pay period ending nearest the 15th of the month. Proprietors, self-employed persons, domestic servants, and personnel of the armed forces are excluded. These estimates have been adjusted to levels indicated by final 1944 data made available by the Bureau of Employment Security of the Federal Security Agency.

^{2/} Includes production and non-production workers.

Table 8. - Estimated Number of Employees in Nonagricultural Establishments, by State
(In thousands)

| Region and State | All industry divisions | | | Manufacturing 1/ | | |
|---------------------------|------------------------|--------------|--------------|------------------|--------------|--------------|
| | Nov. 1946 | Oct. 1946 | Nov. 1945 | Nov. 1946 | Oct. 1946 | Nov. 1945 |
| New England | 2,962 | 2,952 | 2,705 | 1,561 | 1,545 | 1,349 |
| Maine 2/ | 231 | 235 | 22.2 | 113 | 115 | 97.0 |
| New Hampshire 2/ | 144 | 144 | 128 | 81.3 | 78.9 | 68.5 |
| Vermont 2/ | 88.6 | 89.5 | 81.4 | 41.8 | 42.1 | 37.0 |
| Massachusetts 3/ | 1,507 | 1,498 | 1,444 | 762 | 754 | 668 |
| Rhode Island 3/ | 273 | 271 | 239 | 148 | 146 | 119 |
| Connecticut 3/ | 718 | 714 | 601 | 415 | 409 | 339 |
| Middle Atlantic | 9,016 | 8,922 | 8,418 | 4,032 | 3,971 | 3,626 |
| New York 3/ | 4,501 | 4,477 | 4,200 | 1,898 | 1,889 | 1,730 |
| New Jersey 3/ | 1,369 | 1,372 | 1,286 | 724 | 722 | 660 |
| Pennsylvania 3/ | 3,146 | 3,073 | 2,932 | 1,410 | 1,360 | 1,236 |
| East North Central | 8,700 | 8,691 | 7,751 | 4,342 | 4,292 | 3,672 |
| Ohio 4/ | 2,373 | 2,364 | 2,091 | 1,211 | 1,198 | 1,021 |
| Indiana 3/ | 980 | 982 | 901 | 534 | 535 | 444 |
| Illinois 3/ | 2,849 | 2,835 | 2,591 | 1,174 | 1,151 | 1,028 |
| Michigan 3/ | 1,706 | 1,716 | 1,444 | 1,027 | 1,019 | 821 |
| Wisconsin 3/ | 792 | 794 | 724 | 396 | 389 | 358 |
| West North Central | 2,841 | 2,827 | 2,628 | 828 | 787 | 747 |
| Minnesota 3/ | 668 | 672 | 601 | 200 | 196 | 179 |
| Iowa 5/ | 461 | 456 | 431 | 140 | 128 | 122 |
| Missouri 6/ | 939 | 931 | 866 | 347 | 335 | 310 |
| North Dakota 5/ | 83.5 | 83.8 | 74.4 | 6.9 | 6.3 | 6.2 |
| South Dakota 5/ | 90.6 | 89.9 | 81.4 | 10.2 | 8.1 | 10.1 |
| Nebraska 5/ | 251 | 249 | 244 | 44.0 | 39.6 | 44.4 |
| Kansas 3/ | 348 | 345 | 330 | 79.5 | 74.1 | 75.4 |
| South Atlantic | 4,472 | 4,460 | 4,215 | 1,556 | 1,532 | 1,405 |
| Delaware 3/* | 92.4 | 93.0 | 84.2 | 45.0 | 45.1 | 40.4 |
| Maryland 3/ | 620 | 627 | 577 | 241 | 239 | 212 |
| District of Columbia 7/ | 461 | 456 | 447 | 17.0 | 16.7 | 14.7 |
| Virginia 3/ | 654 | 656 | 626 | 213 | 211 | 187 |
| West Virginia 4/ | 422 | 423 | 395 | 133 | 132 | 120 |
| North Carolina 3/ | 746 | 747 | 690 | 365 | 362 | 339 |
| South Carolina 8/ | 364 | 364 | 359 | 187 | 183 | 168 |
| Georgia 8/ | 637 | 636 | 595 | 266 | 264 | 243 |
| Florida 8/ | 476 | 458 | 442 | 89.4 | 79.6 | 80.6 |
| East South Central | 1,758 | 1,747 | 1,615 | 689 | 668 | 618 |
| Kentucky 4/ | 430 | 426 | 411 | 127 | 121 | 113 |
| Tennessee 8/ | 560 | 560 | 504 | 249 | 245 | 229 |
| Alabama 8/ | 515 | 512 | 471 | 222 | 215 | 194 |
| Mississippi 8/ | 253 | 249 | 229 | 90.5 | 87.3 | 82.0 |
| West South Central | 2,413 | 2,422 | 2,329 | 587 | 567 | 576 |
| Arkansas 3/ | 239 | 242 | 233 | 70.1 | 69.6 | 71.6 |
| Louisiana 3/ | 450 | 447 | 449 | 132 | 129 | 133 |
| Oklahoma 6/ | 350 | 350 | 336 | 55.6 | 52.6 | 59.6 |
| Texas 3/ | 1,374 | 1,383 | 1,311 | 329 | 316 | 312 |

Table 8. - Estimated Number of Employees in Nonagricultural Establishments, by State Cont'd
(In thousands)

| Region and State | All industry divisions | | | Manufacturing ^{1/} | | |
|--------------------------|------------------------|--------------|--------------|-----------------------------|--------------|--------------|
| | Nov. 1946 | Oct. 1946 | Nov. 1945 | Nov. 1946 | Oct. 1946 | Nov. 1945 |
| Mountain | | | | | | |
| Montana ^{3/} | 950 | 961 | 892 | 159 | 156 | 137 |
| Idaho ^{2/*} | 118 | 120 | 109 | 17.7 | 17.7 | 14.0 |
| Wyoming ^{2/} | 103 | 104 | 95.4 | 21.7 | 21.7 | 17.2 |
| Colorado ^{2/} | 62.8 | 63.2 | 66.4 | 7.0 | 6.7 | 6.4 |
| New Mexico ^{2/} | 282 | 286 | 261 | 58.7 | 56.9 | 52.9 |
| Arizona ^{10/} | 86.0 | 88.1 | 83.1 | 10.2 | 10.3 | 8.5 |
| Utah ^{3/} | 107 | 105 | 99.2 | 12.7 | 12.0 | 12.4 |
| Nevada ^{3/} | 149 | 151 | 136 | 27.8 | 27.7 | 22.6 |
| | 42.6 | 43.6 | 42.3 | 3.3 | 3.1 | 2.8 |
| Pacific | | | | | | |
| Washington ^{2/} | 3,309 | 3,348 | 2,980 | 980 | 1,008 | 889 |
| Oregon ^{10/} | 536 | 543 | 519 | 162 | 168 | 167 |
| California ^{3/} | 313 | 321 | 287 | 119 | 123 | 101 |
| | 2,460 | 2,484 | 2,174 | 699 | 717 | 621 |

- ^{1/} Estimates for manufacturing have been revised to conform with the new series prepared by cooperating state or Regional office. Because this series has been adjusted to recent data made available under the Federal Social Security program, it is not comparable with data previously shown nor with current estimates for "All Industry Divisions". Comparable series for manufacturing estimates, January 1943 to date, available upon request to Regional Director, U. S. Dept. of Labor or cooperating state agency.
- ^{2/} Address: Regional Director, U. S. Dept. of Labor, Boston 8, Massachusetts.
- ^{3/} Data secured in cooperation with:
- Massachusetts - Dept. of Labor and Industries, State House, Boston 33.
 - Rhode Island - Dept. of Labor, Division of Census and Statistics, Providence 2.
 - Connecticut - Employment Security Division, Hartford 15.
 - New Jersey - Dept. of Labor, Trenton 8.
 - New York - Division of Research, Statistics and Publications, New York State Dept. of Labor, Albany 1.
 - Pennsylvania - Federal Reserve Bank of Philadelphia, 925 Chestnut Street, Philadelphia 1.
 - Indiana - Employment Security Division, Indianapolis 12.
 - Illinois - Dept. of Labor, Division of Statistics and Research, Chicago 6.
 - Michigan - Dept. of Labor and Industry, Lansing 13.
 - Wisconsin - Industrial Commission of Wisconsin, Madison 3.
 - Minnesota - Division of Employment and Security, St. Paul 1.
 - Kansas - Kansas State Labor Department, Topeka.
 - Delaware - Federal Reserve Bank of Philadelphia, 925 Chestnut Street, Philadelphia 1, Pa.
 - Maryland - Dept. of Labor and Industry, Baltimore 2.
 - Virginia - Division of Research and Statistics, State Dept. of Labor and Industry, Richmond 21.
 - North Carolina - North Carolina Dept. of Labor, Raleigh.
 - Arkansas - Dept. of Labor, Little Rock.
 - Louisiana - Bureau of Business Research, College of Commerce, Louisiana State University, Baton Rouge 3.
 - Texas - Bureau of Business Research, University of Texas, Austin 12.
 - Montana - Unemployment Compensation Commission of Montana, Helena.
 - Utah - Dept. of Employment Security, Salt Lake City 13.
 - Nevada - Employment Security Department, Carson City.
 - Washington - Office of Unemployment Compensation and Placement, P.O. Box 367, Olympia.
 - California - Division of Labor Statistics and Research, San Francisco 2.
- ^{4/} Address: Regional Director, U.S. Dept. of Labor, Cleveland 14, Ohio
- ^{5/} Address: Regional Director, U.S. Dept. of Labor, Chicago 6, Illinois.
- ^{6/} Address: Regional Director, U.S. Dept. of Labor, Dallas 1, Texas.
- ^{7/} Address: U. S. Dept. of Labor, Washington 25, D. C.
- ^{8/} Address: Regional Director, U. S. Dept. of Labor, Atlanta 3, Georgia.
- ^{9/} Address: Regional Director, U. S. Dept. of Labor, Denver 2, Colorado.
- ^{10/} Address: Regional Director, U. S. Dept. of Labor, San Francisco 3, California.

* Estimates for manufacturing are revised because of adjustment to more recent benchmark data made available under the Federal Security Agency program.

Table 9.—Employment and Pay Rolls for Regular Federal Services
and for Government Corporations, December 1946

(In thousands)

| Branch | Employment 1/ | | | Pay rolls 2/ | | |
|--|---------------------|---------------------|------------------|---------------------|---------------------|---------------------|
| | December 1946 3/ | November 1945 3/ | December 1945 | December 1946 3/ | November 1946 3/ | December 1945 3/ |
| Total | 2,561.4 | 2,100.5 | 3,431.7 | \$ 566,920 | \$627,765 | \$703,503 |
| Executive 4/ | 2,519.0 | 2,357.8 | 3,388.0 | 557,560 | 617,845 | 695,089 |
| Washington, D. C., metro- politan area 5/ | 226.4 | 224.7 | 233.7 | 60,355 | 76,969 | 73,960 |
| War agencies 6/ | 78.4 | 79.0 | 94.0 | 21,321 | 23,401 | 28,348 |
| Other agencies | 148.0 | 145.7 | 139.7 | 39,034 | 53,568 | 45,612 |
| Other areas | 2,292.6 | 2,133.1 | 3,154.3 | 497,205 | 540,876 | 621,129 |
| War agencies 6/ | 1,097.8 | 1,150.3 | 2,068.3 | 237,560 | 260,496 | 383,062 |
| Continental United States | 828.4 | 870.0 | 1,382.4 | 207,867 | 229,568 | 341,598 |
| Outside continental United States 7/ | 269.4 | 280.3 | 685.9 | 29,693 | 30,928 | 41,464 |
| Other agencies | 1,194.8 | 982.8 | 1,086.0 | 259,645 | 280,380 | 238,067 |
| Continental United States | 1,165.7 | 954.5 | 1,062.4 | 253,296 | 271,806 | 233,188 |
| Outside continental United States 7/ | 29.1 | 21.3 | 23.6 | 6,349 | 8,574 | 4,879 |
| Legislative | 6.8 | 6.9 | 6.4 | 2,169 | 2,364 | 1,822 |
| Judicial | 3.1 | 3.1 | 3.0 | 1,248 | 1,488 | 1,135 |
| Government corporations 8/ | 32.5 | 32.7 | 31.3 | 5,943 | 6,068 | 5,457 |

Prepared in the Division of Construction and Public Employment.

1/ Employment is as of the first of the month.

2/ Beginning December 1946, pay rolls cover the entire calendar month. Previously, pay rolls were for all pay periods ending within the month, or for four weeks for months starting July 1945, except for December 1945; June and November 1946 when pay rolls included pay for six weeks for most employees.

3/ Subject to revision.

4/ Includes data for United States navy yards and force-account construction which are also included under construction and shipbuilding and repair projects (tables 11 and 12). Beginning July 1945, data include clerks at third-class post offices, who previously were working on a contract basis. Data exclude substitute rural mail carriers.

5/ Includes areas in Maryland and Virginia which are within the metropolitan area, as defined by the Bureau of the Census.

6/ Covers War and Navy Departments, Maritime Commission, National Advisory Committee for Aeronautics, The Panama Canal, Price Decentral Board, Philippine War Damage Commission, and the emergency war and reconversion agencies.

7/ Includes Alaska and the Panama Canal Zone.

8/ Covers the Panama Railroad Company, the Federal Reserve banks, and banks of the Farm Credit Administration. Data for other Government corporations are included under the executive branch.

Note: Revisions which are made from time to time for months prior to those shown in this table are available in the Monthly Labor Review under "Trend of Employment, Earnings, and Hours; Public Employment." Mimeographed tables showing Federal employment monthly from 1939 to date and Federal pay rolls monthly from 1943 to date are available upon request.

Table 10.--Personnel and Pay of the Military Branch of
the Federal Government in Selected Months

(In thousands)

| Branch, sex, or type of pay | December 1946 (preliminary) | November 1946 (preliminary) | October 1946 (preliminary) | December 1945 | December 1941 |
|--------------------------------|-----------------------------------|-----------------------------------|----------------------------------|------------------|------------------|
| Personnel, total <u>1/</u> | 2,204 | 2,441 | 2,477 | 3,576 | 2,073 |
| Army | 1,511 | 1,717 | 1,738 | 5,334 | 1,644 |
| Navy <u>2/</u> | 693 | 724 | 739 | 3,242 | 429 |
| Men | 2,176 | 2,412 | 2,444 | 3,371 | 2,065 |
| Women | 28 | 29 | 33 | 205 | 8 |
| Pay, total | \$ 680,885 | \$744,112 | \$ 612,065 | \$1,637,851 | \$159,238 |
| Army | 412,344 | 459,610 | 374,162 | 1,050,276 | 101,994 |
| Navy <u>2/</u> | 268,541 | 284,502 | 237,903 | 587,575 | 57,244 |
| Pay rolls <u>3/</u> | 320,955 | 360,125 | 390,650 | 1,004,648 | 159,238 |
| Mustering-out pay <u>4/</u> | 43,712 | 47,506 | 56,665 | 446,913 | - |
| Family allowances <u>5/</u> | 32,195 | 35,312 | 35,653 | 186,290 | - |
| Leave payments <u>6/</u> | 284,023 | 301,169 | 129,097 | - | - |
| Cash | 16,468 | 19,610 | 10,037 | - | - |
| Bonds | 267,555 | 281,559 | 119,010 | - | - |

Prepared in the Division of Construction and Public Employment.

- 1/ Personnel is as of the first of the calendar month and includes those on terminal leave, the missing, and those in the hands of the enemy.
- 2/ Data for the Navy cover the Navy, Marine Corps, and Coast Guard.
- 3/ Pay rolls are computed from personnel records. The personnel used in the computations is the count as of the last day of the month for the Army and the average for the month for the Navy. Pay rolls for the Navy (proper) include quarterly clothing allowances in October. In October 1946 these allowances amounted to \$4,616,000.
- 4/ Although payments may extend over a period of three months, data for the Navy (proper) include the total amount in the month of discharge.
- 5/ Represents Government's contribution. The men's share is included in the pay roll.
- 6/ Leave payments were authorized by Public Law 704 of the 79th Congress to former enlisted personnel for accrued and unused leave and to present officers and enlisted personnel for leave accrued in excess of 60 days. Payment of present enlisted personnel while on terminal leave is included in the pay roll. Value of the bonds represents the face value; interest will be paid in addition to the face value at the time the bonds are cashed.

Table 11.--Total Employment in United States Navy Yards
and Private Shipyards Within Continental United States
by Shipbuilding Region, December 1946 ^{1/}

| Shipbuilding region | Employment (in thousands) | | |
|--------------------------------------|--------------------------------|------------------|------------------|
| | December 1946 ^{1/} | November 1946 | December 1945 |
| All regions | 250.0 | 242.9 | 528.1 |
| U. S. navy yards ^{2/} | 91.0 | 91.4 | 225.6 |
| Private shipyards | 159.0 | 151.5 | 302.5 |
| North Atlantic | 111.2 | 109.4 | 243.6 |
| South Atlantic | 30.3 | 30.5 | 58.3 |
| Gulf | 27.4 | 25.1 | 46.3 |
| Pacific | 71.7 | 69.3 | 167.8 |
| Great Lakes | 5.9 | 5.8 | 7.1 |
| Inland | 3.0 | 2.8 | 5.0 |

^{1/} Preliminary.

^{2/} Includes all navy yards constructing or repairing ships, including the Curtis Bay, Maryland, Coast Guard yard.

Table 12.—Estimated Employment and Pay Rolls on Construction in Continental United States, December 1945, and November and December 1946

| Type of project | Employment (in thousands) | | | Pay rolls (in thousands) | | |
|--------------------------------------|---------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| | December 1946 <u>1/</u> | November 1946 <u>2/</u> | December 1945 <u>2/</u> | December 1946 <u>1/</u> | November 1946 <u>2/</u> | December 1945 <u>2/</u> |
| New construction, total <u>3/</u> | 1,875.2 | 2,057.1 | 1,215.4 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| At the construction site | 1,640.7 | 1,803.3 | 1,058.0 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Federal projects <u>5/</u> | <u>6/</u> 211.3 | <u>6/</u> 240.1 | <u>6/</u> 26.0 | <u>7/</u> 45,513 | <u>7/</u> 50,137 | <u>7/</u> 17,126 |
| Airports | 1.4 | 1.5 | 4.2 | 290 | 332 | 763 |
| Buildings | 115.0 | 131.3 | 51.8 | 26,027 | 27,830 | 8,947 |
| Residential | 97.9 | 109.9 | 3.7 | 22,864 | 24,109 | 814 |
| Nonresidential <u>8/</u> | <u>6/</u> 17.1 | <u>6/</u> 21.4 | <u>6/</u> 48.1 | <u>7/</u> 3,163 | <u>7/</u> 3,721 | <u>7/</u> 8,133 |
| Electrification | 6.8 | 7.0 | .8 | 978 | 1,035 | 154 |
| Reclamation | 11.5 | 10.9 | 6.4 | 2,584 | 2,724 | 1,239 |
| River, harbor, and flood control | 26.2 | 29.7 | 18.1 | 5,901 | 6,793 | 3,623 |
| Streets and highways | 41.6 | 49.5 | 7.8 | 7,971 | 9,488 | 1,186 |
| Water and sewer systems | 1.4 | 1.4 | 2.5 | 267 | 282 | 424 |
| Miscellaneous | 7.4 | 8.8 | 4.4 | 1,495 | 1,653 | 790 |
| Non-Federal projects | 1,429.4 | 1,563.2 | 962.0 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Buildings | 1,026.8 | 1,108.2 | 706.1 | 261,834 | 282,591 | 159,580 |
| Residential | 480.6 | 532.3 | 294.3 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Nonresidential | 546.2 | 575.9 | 411.8 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Farm dwellings and service buildings | 99.7 | 131.0 | 53.0 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Public utilities | 160.5 | 158.1 | 126.6 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Streets and highways | 74.3 | 89.2 | 27.1 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| State | 23.0 | 27.3 | 9.1 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| County and municipal | 51.3 | 61.9 | 18.0 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Miscellaneous | 68.1 | 76.7 | 49.2 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Other <u>9/</u> | 234.5 | 253.8 | 157.4 | <u>4/</u> | <u>4/</u> | <u>4/</u> |
| Maintenance of State road <u>10/</u> | 90.0 | 106.0 | 91.4 | <u>4/</u> | <u>4/</u> | <u>4/</u> |

1/ Preliminary.

2/ Revised.

3/ Data for all construction workers (contract and force account) engaged on new construction, additions, alterations, and on repair work of the type usually covered by building permits. (Force-account employees are workers hired directly by the owner and utilized as a separate work force to perform construction work of the type usually chargeable to capital account.) The construction figure included in the Bureau's nonagricultural employment series covers only employees of construction contractors and on Federal force account and excludes force-account workers of State and local governments, public utilities, and private firms.

4/ Data not available.

5/ Includes the following force-account employees, hired directly by the Federal Government, and their pay rolls: December 1945, 16,699, \$3,032,253; November 1946, 21,574, \$4,177,439; December 1946, 20,373, \$3,938,610. These employees are also included under the Federal executive service (Table); all other workers were employed by contractors and subcontractors.

6/ Includes employment on construction of plants to produce atomic bombs, which, for security reasons, was not previously included in these estimates but was shown in the classification "other", as follows: December 1945, 6,600; November 1946, 1,100; December 1946, 1,000.

7/ Excludes pay-roll data for construction of plants to produce atomic bombs.

8/ Employees and pay rolls for Defense Plant Corporation projects are included, but those for projects financed from RFC loans are excluded. The latter are considered non-Federal project projects.

9/ Includes central office force of construction contractors, shop employees of special trades contractors, such as bench sheet-metal workers, etc.

10/ Data for other types of maintenance not available.

Prepared in the Division of Construction and Public Employment