

# EMPLOYMENT & PAYROLLS

DETAILED REPORT  
FEBRUARY 1947

UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS  
EMPLOYMENT STATISTICS DIVISION

## Revised Estimates of Nonagricultural Employees

With this release, the Bureau of Labor Statistics presents another of a series of periodic revisions of estimates of the number of employees in nonagricultural establishments. The chief purpose of these revisions is to adjust the levels of employment estimates to 1945 benchmark data made available by unemployment compensation agencies and the Bureau of Old Age and Survivors Insurance. The present revision also includes a new type of construction estimate which is more consistent with the estimating procedure employed in other industries. In addition, federal force account construction employment has been transferred from the construction segment to government.

Each of the industry divisions is affected by the present revision. In trade, construction, government, and finance, service and miscellaneous the estimates have been revised back to January 1939. In mining, transportation and public utilities no revisions were necessary prior to 1944. Manufacturing, which had previously been adjusted to 1944 levels, are now revised back to January 1945. In revising manufacturing, adjustments have been made in each of the 20 major industry groups comprising the industry division. However, no revisions have as yet been made in the individual manufacturing industries. Estimates for the industries, currently based on the 1939 Census of Manufactures, are now in the process of revision. As the estimates of employment in the industries comprising a major group are corrected, they will be released.

Nature and Extent of Revisions - In all but one of the industry divisions the revisions have resulted in raising the levels of employment. The magnitude of the revisions in trade, mining, and finance, service, and miscellaneous was very substantial. Only minor upward adjustments were necessary in manufacturing, government, and transportation and public utilities. Only in construction has the estimate of employment been lowered. Construction employment, which was formerly derived from the Bureau's estimates of the dollar volume of construction, is lower by approximately 3 percent in 1946. This results partly from the exclusion of Federal force account employment, as noted above, and from the shift to estimating employment on the basis of establishment reports to State unemployment compensation agencies.

How Employment Estimates are Made - Estimates of changes in the level of employment are based on reports from a sample of establishments, inasmuch as full coverage is deemed to be prohibitively costly and time-consuming. In using a sample, it is essential that a sound basis be established from which estimates may be carried forward. This basis or "benchmark" is either a complete count or an estimate with a satisfactory degree of accuracy. When a new benchmark becomes available, estimates prepared since the last benchmark are reviewed to determine if any adjustment of level is required. This is the basic principle of employment estimating used by the BLS. It yields a satisfactory compromise between a slow but highly accurate complete count, on the one hand, and a rapid but less accurate sample count on the other.

Briefly, BLS computes employment estimates as follows: first, a benchmark or level of employment is determined; second, a sample of establishments is selected; and third, changes in employment indicated by this reporting

sample are applied to the benchmark to determine what the monthly estimates of employment are between benchmark periods. For example, if the latest complete data on employment for an industry is 40,200 in September 1945 and if the industry has a reporting sample of 13 establishments, employing 23,200 workers in September and 23,800 in October, the October estimate is obtained as follows:

$$\frac{40,200 \times 23,800}{23,200} = 41,240$$

Why Revisions are Necessary - Because the existence of new firms is not readily ascertainable, they are not introduced into the BLS sample until after they have been in operation for some time. This characteristic causes a rather consistent understatement which becomes larger from year to year. It is important, therefore, that estimates not be allowed to go uncorrected for too long a period. Unfortunately, insufficient funds and the pressure of special assignments during the war period have delayed the adjustment of many of the nonmanufacturing industry divisions for several years. For this reason, the present revision corrects for the downward bias that has accumulated in the nonmanufacturing series since 1941. Revisions in some industry divisions have been carried back to 1939 in order to incorporate greater refinements in methodology and new source materials have become available. For example, improved data on the small firm component of the trade and service industries, supplied by the Bureau of Old Age and Survivors Insurance, made possible refinements in these series back to 1939.

Sources of Benchmark Data - In preparing estimates for employment prior to 1939, the Bureau of Labor Statistics used the various industrial censuses, taken by the Bureau of the Census, as a source of benchmark data. Since that time, data obtained from unemployment compensation agencies and the Bureau of Old Age and Survivors Insurance are the main bases for benchmarks. There are some notable exceptions. Benchmarks for State and local government, for example, are based on data compiled by the Bureau of the Census while data on Federal Government employment is made available by the U. S. Civil Service Commission. For railroads, the source is the Interstate Commerce Commission and for water transportation, the U. S. Maritime Commission.

Projection of Estimates - In general data showing month-to-month changes in employment reflect the fluctuations shown by establishments reporting to the BLS. However, the usual estimating method is inadequate in finance and service, where a preponderance of small establishments enter and leave the business population at a high rate. A special sampling procedure has been introduced, involving the scientific selection of a sample of cities and a representative list of blocks in these cities. Data obtained from the establishments in these blocks yield substantially better estimates of month-to-month changes in employment in the service and finance industries. For railroads, complete tabulations of reports are available.

Presentation of Estimates - Summary table 16 of the Detailed Employment Report for February 1947 presents revised estimates of employees by industry division from 1939 through 1946. A more detailed technical statement of the methodology used in adjusting each series will be available shortly.

April 15, 1947

U. S. Department of Labor  
Bureau of Labor Statistics  
Employment and Occupational Outlook Branch  
Division of Employment Statistics

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EMPLOYMENT AND PAY ROLLS

Detailed Report

February 1947

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TECHNICAL NOTE

Explanation of Nonagricultural Adjustment.....

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

| Industry Group<br>and Industry                                      | Feb.<br>1947 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
|---|--------------|--------------|--------------|--------------|
| ALL MANUFACTURING 1/  | 12,601       | 12,513       | 12,514       | 10,147       |
| DURABLE GOODS 1/  | 6,803        | 6,426        | 6,393        | 4,522        |
| NONDURABLE GOODS 1/   | 6,098        | 6,087        | 6,121        | 5,625        |
| <u>Durable Goods</u>  |              |              |              |              |
| IRON AND STEEL AND THEIR PRODUCTS 1/                                | 1,562        | 1,552        | 1,521        | 877          |
| Blast furnaces, steel works, and rolling mills                      | 483.3        | 479.7        | 467.0        | 169.9        |
| Gray-iron and semi-steel castings                                   | 67.1         | 66.2         | 84.4         | 71.6         |
| Malleable-iron castings   | 25.4         | 25.1         | 24.2         | 17.7         |
| Steel castings  | 49.8         | 50.5         | 51.5         | 26.3         |
| Cast-iron pipe and fittings   | 20.1         | 19.8         | 19.2         | 14.6         |
| Tin cans and other tinware  | 41.3         | 41.6         | 41.5         | 28.9         |
| Wire drawn from purchased rods                                      | 30.1         | 30.5         | 29.9         | 15.4         |
| Wirework  | 39.7         | 41.9         | 40.5         | 28.8         |
| Cutlery and edge tools  | 27.8         | 27.8         | 27.7         | 21.6         |
| Tools (except edge tools; machine tools, files, and saws)           | 26.7         | 26.7         | 26.8         | 21.5         |
| Hardware  | 50.9         | 50.1         | 49.6         | 38.3         |
| Plumbers' supplies  | 30.7         | 30.1         | 29.8         | 22.0         |
| Stoves, oil burners, and heating equipment not elsewhere classified | 63.4         | 62.7         | 60.8         | 44.0         |
| Steam and hot-water heating apparatus and steam fittings            | 52.5         | 52.6         | 51.0         | 34.6         |
| Stamped and enameled ware and galvanizing                           | 85.8         | 84.9         | 84.5         | 58.8         |
| Fabricated structural and ornamental metalwork                      | 58.0         | 57.5         | 57.1         | 32.2         |
| Metal doors, sash, frames, molding, and trim                        | 10.1         | 10.2         | 10.1         | 6.8          |
| Bolts, nuts, washers, and rivets                                    | 21.7         | 21.6         | 21.2         | 14.8         |
| Forgings, iron and steel  | 27.3         | 26.9         | 26.7         | 22.9         |
| Wrought pipe, welded and heavy-riveted                              | 13.8         | 13.6         | 13.2         | 7.1          |
| Screw machine products and wood screws                              | 29.5         | 29.4         | 29.3         | 25.9         |
| Steel barrels, kegs, and drums                                      | 6.0          | 6.2          | 6.1          | 2.7          |
| Firearms  | 14.4         | 14.3         | 14.0         | 10.9         |
| ELECTRICAL MACHINERY 1/   | 601          | 598          | 597          | 353          |
| Electrical equipment  | 317.9        | 315.5        | 314.8        | 168.1        |
| Radios and phonographs  | 92.8         | 92.8         | 93.5         | 64.9         |
| Communication equipment   | 92.2         | 92.4         | 92.6         | 66.4         |

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

| Industry Group<br>and Industry  | Feb.<br>1947 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
|---|--------------|--------------|--------------|--------------|
| MACHINERY, EXCEPT ELECTRICAL 1/                                       | 1,178        | 1,171        | 1,161        | 861          |
| Machinery and machine-shop products                                   | 383.5        | 381.0        | 379.6        | 295.0        |
| Engines and turbines  | 45.5         | 45.4         | 45.6         | 24.8         |
| Tractors  | 55.0         | 54.8         | 54.5         | 25.2         |
| Agricultural machinery, excluding tractors                            | 46.4         | 45.6         | 44.8         | 29.7         |
| Machine tools   | 59.0         | 59.8         | 60.6         | 58.4         |
| Machine-tool accessories  | 50.1         | 51.3         | 51.5         | 45.5         |
| Textile machinery   | 36.9         | 36.3         | 35.3         | 26.6         |
| Pumps and pumping equipment   | 59.4         | 58.8         | 58.9         | 47.5         |
| Typewriters   | 23.0         | 22.7         | 22.3         | 15.3         |
| Cash registers, adding and calculating machines                       | 38.7         | 37.6         | 37.3         | 30.1         |
| Washing machines, wringers and driers, domestic                       | 13.3         | 12.7         | 12.5         | 9.6          |
| Sewing machines, domestic and industrial                              | 11.1         | 10.9         | 10.7         | 8.4          |
| Refrigerators and refrigeration equipment                             | 67.1         | 68.2         | 65.2         | 43.9         |
| TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES 1/                       | 474          | 473          | 473          | 484          |
| Locomotives   | 26.9         | 26.6         | 27.1         | 4.2          |
| Cars, electric- and steam-railroad                                    | 53.0         | 50.6         | 50.8         | 41.6         |
| Aircraft and parts, excluding aircraft engines                        | 142.7        | 144.7        | 144.7        | 117.5        |
| Aircraft engines  | 28.9         | 29.8         | 29.0         | 21.2         |
| Shipbuilding and boatbuilding   | 141.2        | 142.1        | 142.8        | 227.6        |
| Motorcycles, bicycles, and parts                                      | 12.5         | 12.2         | 12.1         | 8.7          |
| AUTOMOBILES 1/  | 791          | 755          | 774          | 430          |
| NONFERROUS METALS AND THEIR PRODUCTS 1/                               | 433          | 428          | 426          | 294          |
| Smelting and refining, primary, of nonferrous metals                  | 41.4         | 40.2         | 40.2         | 32.7         |
| Alloying and rolling and drawing of nonferrous metals except aluminum | 63.8         | 63.0         | 62.8         | 41.7         |
| Clocks and watches  | 28.5         | 28.3         | 28.2         | 24.7         |
| Jewelry (precious metals) and jewelers' findings                      | 17.8         | 17.9         | 17.9         | 16.5         |
| Silverware and plated ware  | 15.4         | 15.2         | 15.2         | 12.7         |
| Lighting equipment  | 33.0         | 32.3         | 31.6         | 17.8         |
| Aluminum manufactures   | 50.9         | 51.2         | 51.3         | 26.1         |
| Sheet metal work, not elsewhere classified                            | 26.8         | 26.7         | 26.9         | 19.4         |

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

| Industry Group<br>and Industry                                  | Feb.<br>1947 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
|---|--------------|--------------|--------------|--------------|
| LUMBER AND TIMBER BASIC PRODUCTS 1/                             | 598          | 592          | 592          | 487          |
| Sawmills and logging camps                                      | 229.9        | 228.5        | 231.4        | 202.2        |
| Planing and plywood mills                                       | 76.7         | 76.9         | 76.5         | 65.9         |
| FURNITURE AND FINISHED LUMBER<br>PRODUCTS 1/                    | 442          | 432          | 425          | 370          |
| Mattresses and bedsprings                                       | 23.6         | 23.5         | 23.1         | 18.4         |
| Furniture   | 176.8        | 173.4        | 171.5        | 151.9        |
| Wooden boxes, other than cigar                                  | 26.6         | 26.4         | 25.9         | 24.1         |
| Caskets and other morticians' goods                             | 14.9         | 14.9         | 14.7         | 13.0         |
| Wood preserving   | 13.6         | 13.1         | 12.7         | 11.7         |
| Wood, turned and shaped   | 25.7         | 24.5         | 24.1         | 21.9         |
| STONE, CLAY, AND GLASS PRODUCTS 1/                              | 424          | 425          | 424          | 366          |
| Glass and glassware   | 101.7        | 104.1        | 103.8        | 99.3         |
| Glass products made from<br>purchased glass                     | 13.4         | 13.2         | 12.9         | 11.8         |
| Cement  | 28.9         | 28.9         | 29.1         | 22.4         |
| Brick, tile, and terra cotta                                    | 63.2         | 63.2         | 62.2         | 52.9         |
| Pottery and related products                                    | 50.4         | 49.6         | 49.4         | 42.9         |
| Gypsum  | 6.1          | 6.1          | 6.2          | 4.9          |
| Wallboard, plaster (except gypsum),<br>and mineral wool         | 11.1         | 11.1         | 11.1         | 10.0         |
| Lime  | 9.0          | 8.9          | 8.9          | 8.0          |
| Marble, granite, slate, and other<br>products                   | 17.4         | 16.9         | 17.3         | 14.8         |
| Abrasives   | 20.1         | 20.2         | 20.1         | 16.9         |
| Asbestos products   | 21.5         | 21.7         | 21.7         | 14.5         |
| <u>Nondurable Goods</u>   |              |              |              |              |
| TEXTILE-MILL PRODUCTS AND OTHER FIBER<br>MANUFACTURES 1/        | 1,247        | 1,242        | 1,242        | 1,150        |
| Cotton manufactures, except small<br>wares                      | 471.5        | 470.1        | 468.8        | 437.3        |
| Cotton small wares  | 14.4         | 14.6         | 14.5         | 13.9         |
| Silk and rayon goods  | 95.4         | 95.7         | 95.6         | 89.2         |
| Woolen and worsted manufactures,<br>except dyeing and finishing | 162.1        | 163.0        | 164.4        | 153.9        |
| Hosiery   | 120.0        | 119.0        | 118.5        | 109.8        |
| Knitted cloth   | 10.4         | 10.5         | 10.9         | 11.1         |
| Knitted outerwear and knitted gloves                            | 30.1         | 30.4         | 31.7         | 29.6         |
| Knitted underwear   | 37.2         | 36.6         | 36.0         | 34.5         |
| Dyeing and finishing textiles,<br>including woolen and worsted  | 66.4         | 66.0         | 65.0         | 62.5         |
| Carpets and rugs, wool  | 27.2         | 26.7         | 26.4         | 21.6         |
| Hats, fur-felt  | 11.9         | 12.0         | 11.9         | 10.6         |
| Jute goods, except felts  | 3.9          | 3.8          | 3.7          | 3.7          |
| Cordage and twine   | 15.0         | 15.0         | 15.4         | 14.2         |

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

| Industry Group<br>and Industry                         | Feb.<br>1947 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
|--|--------------|--------------|--------------|--------------|
| APPAREL AND OTHER FINISHED TEXTILE PRODUCTS <u>1</u> / | 1,119        | 1,090        | 1,079        | 976          |
| Men's clothing, not elsewhere classified               | 206.7        | 205.6        | 205.5        | 186.5        |
| Shirts, collars, and nightwear                         | 59.6         | 57.7         | 57.8         | 51.7         |
| Underwear and neckwear, men's                          | 12.5         | 12.5         | 12.9         | 11.6         |
| Work shirts  | 14.3         | 14.0         | 13.8         | 13.6         |
| Women's clothing, not elsewhere classified             | 221.4        | 213.7        | 211.2        | 213.7        |
| Corsets and allied garments                            | 17.0         | 17.0         | 16.9         | 15.7         |
| Millinery  | 20.3         | 19.1         | 17.8         | 20.8         |
| Handkerchiefs  | 2.6          | 2.5          | 2.5          | 2.5          |
| Curtains, draperies, and bedspreads                    | 12.0         | 12.3         | 12.8         | 12.4         |
| Housefurnishings, other than curtains, etc.            | 10.5         | 10.4         | 10.7         | 10.3         |
| Textile bags   | 14.6         | 14.5         | 14.8         | 14.5         |
| LEATHER AND LEATHER PRODUCTS <u>1</u> /                | 370          | 368          | 362          | 351          |
| Leather  | 43.7         | 43.2         | 42.9         | 44.7         |
| Boot and shoe cut stock and findings                   | 17.6         | 17.8         | 18.1         | 17.4         |
| Boots and shoes  | 201.0        | 199.6        | 194.8        | 187.0        |
| Leather gloves and mittens                             | 9.9          | 10.1         | 10.6         | 11.7         |
| Trunks and suitcases                                   | 13.9         | 14.0         | 14.7         | 13.6         |
| FOOD <u>1</u> /  | 1,061        | 1,098        | 1,139        | 1,061        |
| Slaughtering and meat packing                          | 143.9        | 154.4        | 150.7        | 151.2        |
| Butter   | 22.4         | 22.1         | 23.5         | 21.7         |
| Condensed and evaporated milk                          | 13.4         | 13.1         | 12.9         | 12.8         |
| Ice cream  | 16.4         | 16.1         | 16.4         | 15.5         |
| Flour  | 30.7         | 30.5         | 30.7         | 31.3         |
| Feeds, prepared  | 21.6         | 21.9         | 21.2         | 23.5         |
| Cereal preparations                                    | 9.8          | 10.2         | 10.8         | 11.0         |
| Baking   | 243.9        | 249.0        | 252.7        | 253.2        |
| Sugar refining, cane                                   | 13.2         | 14.6         | 14.9         | 12.3         |
| Sugar, beet  | 5.1          | 9.2          | 16.1         | 4.9          |
| Confectionery  | 56.8         | 56.9         | 58.6         | 51.4         |
| Beverages, nonalcoholic                                | 22.4         | 22.5         | 23.1         | 22.4         |
| Malt liquors   | 52.4         | 52.7         | 53.7         | 55.5         |
| Canning and preserving                                 | 81.7         | 94.6         | 115.8        | 89.6         |
| TOBACCO MANUFACTURES <u>1</u> /                        | 89           | 90           | 92           | 81           |
| Cigarettes   | 33.4         | 34.1         | 34.5         | 31.9         |
| Cigars   | 42.1         | 41.8         | 42.9         | 36.4         |
| Tobacco (chewing and smoking) and snuff                | 7.2          | 7.5          | 7.8          | 7.8          |

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

| Industry Group<br>and Industry  | Feb.<br>1947 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
|---|--------------|--------------|--------------|--------------|
| PAPER AND ALLIED PRODUCTS 1/  | 387          | 386          | 387          | 352          |
| Paper and pulp  | 172.7        | 172.0        | 171.8        | 159.8        |
| Paper goods, other  | 47.6         | 47.5         | 47.9         | 45.5         |
| Envelopes   | 11.0         | 10.9         | 11.0         | 10.0         |
| Paper bags  | 15.8         | 16.0         | 15.8         | 14.0         |
| Paper boxes   | 90.9         | 91.3         | 92.6         | 83.1         |
| PRINTING, PUBLISHING, AND ALLIED<br>INDUSTRIES 1/                           | 420          | 417          | 420          | 381          |
| Newspapers and periodicals  | 137.2        | 135.2        | 136.7        | 124.9        |
| Printing, book and job  | 166.0        | 166.2        | 166.3        | 152.7        |
| Lithographing   | 30.5         | 30.3         | 30.5         | 27.9         |
| Bookbinding   | 33.9         | 33.7         | 34.1         | 30.1         |
| CHEMICALS AND ALLIED PRODUCTS 1/  | 568          | 564          | 555          | 536          |
| Paints, varnishes, and colors   | 36.8         | 36.3         | 36.4         | 33.8         |
| Drugs, medicines, and<br>insecticides                                       | 54.2         | 54.5         | 53.8         | 50.8         |
| Perfumes and cosmetics  | 10.6         | 10.9         | 11.5         | 12.1         |
| Soap  | 15.1         | 14.5         | 14.3         | 13.9         |
| Rayon and allied products   | 59.1         | 58.9         | 58.6         | 59.7         |
| Chemicals, not elsewhere<br>classified                                      | 124.2        | 124.3        | 122.9        | 114.9        |
| Explosives and safety fuses   | 13.7         | 13.4         | 12.9         | 15.4         |
| Compressed and liquefied gases  | 5.9          | 5.8          | 5.7          | 5.2          |
| Ammunition, small-arms  | 6.6          | 6.6          | 6.6          | 8.4          |
| Fireworks   | 2.7          | 3.0          | 3.5          | 2.4          |
| Cottonseed oil  | 16.5         | 17.3         | 18.9         | 15.4         |
| Fertilizers   | 27.9         | 25.6         | 23.1         | 28.5         |
| PRODUCTS OF PETROLEUM AND COAL 1/   | 155          | 154          | 155          | 142          |
| Petroleum refining  | 98.5         | 98.3         | 99.4         | 96.4         |
| Coke and by-products  | 26.1         | 25.6         | 25.0         | 19.7         |
| Paving materials  | 1.6          | 1.6          | 1.6          | 1.5          |
| Roofing materials   | 12.3         | 12.4         | 12.5         | 10.8         |
| RUBBER PRODUCTS 1/  | 240          | 240          | 242          | 211          |
| Rubber tires and inner tubes  | 108.9        | 110.1        | 111.7        | 101.4        |
| Rubber boots and shoes  | 20.3         | 19.9         | 19.7         | 16.9         |
| Rubber goods, other   | 76.4         | 76.6         | 77.0         | 66.7         |
| MISCELLANEOUS INDUSTRIES 1/   | 442          | 438          | 448          | 384          |
| Instruments (professional and<br>scientific), and fire control<br>equipment | 20.1         | 20.1         | 20.4         | 22.3         |
| Photographic apparatus  | 25.3         | 25.3         | 25.4         | 22.5         |
| Optical instruments and<br>ophthalmic goods                                 | 21.6         | 21.8         | 21.9         | 20.7         |
| Pianos, organs, and parts   | 10.6         | 10.4         | 9.5          | 7.5          |
| Games, toys, and dolls  | 22.1         | 21.5         | 24.2         | 18.4         |
| Buttons   | 9.7          | 10.1         | 10.5         | 10.2         |
| Fire extinguishers  | 2.3          | 2.1          | 2.2          | 2.3          |

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

1/ February 1947 estimates are based on reports from 32,900 cooperating establishments covering 7,473,000 production workers. Estimates for the major industry groups have been adjusted to levels indicated by final 1945 data made available by the Bureau of Employment Security of the Federal Security Agency and supersede data shown in mimeographed releases dated prior to April 1947 and Monthly Labor Reviews dated prior to May 1947. Comparable series from January 1945 are presented in Table 15, page 31. 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.

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

| Industry Group<br>and Industry  | Employment Indexes |              |              |              | Pay-Roll Indexes |              |              |              |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
|   | Feb.<br>1947       | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Feb.<br>1947     | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| ALL MANUFACTURING 1/  | 153.8              | 152.7        | 152.8        | 123.9        | 310.7            | 307.3        | 306.2        | 214.3        |
| DURABLE GOODS 1/  | 180.1              | 178.0        | 177.0        | 125.2        | 344.5            | 339.8        | 337.3        | 204.2        |
| NONDURABLE GOODS 1/   | 133.1              | 132.9        | 133.6        | 122.8        | 277.7            | 275.5        | 275.8        | 224.1        |
| <u>Durable Goods</u>  |                    |              |              |              |                  |              |              |              |
| IRON AND STEEL AND THEIR<br>PRODUCTS 1/                                   | 157.5              | 156.5        | 153.4        | 88.4         | 287.8            | 287.9        | 276.2        | 132.6        |
| Blast furnaces, steel works,<br>and rolling mills                         | 124.4              | 123.5        | 120.2        | 43.7         | 209.3            | 208.9        | 193.9        | 47.6         |
| Gray-iron and semi-steel<br>castings                                      | 149.1              | 147.4        | 144.5        | 122.6        | 317.1            | 317.1        | 307.8        | 230.0        |
| Malleable-iron castings   | 141.1              | 139.2        | 134.1        | 98.3         | 307.5            | 302.8        | 283.8        | 187.3        |
| Steel castings  | 165.4              | 167.7        | 171.3        | 87.4         | 293.0            | 302.8        | 315.4        | 148.9        |
| Cast-iron pipe and fittings   | 121.8              | 120.0        | 116.2        | 88.5         | 282.1            | 286.7        | 259.9        | 174.1        |
| Tin cans and other tinware  | 130.1              | 131.0        | 130.5        | 91.0         | 238.7            | 242.8        | 244.5        | 149.2        |
| Wire drawn from purchased<br>rods   | 136.8              | 138.8        | 135.9        | 70.0         | 239.6            | 247.7        | 239.6        | 100.2        |
| Wirework  | 130.6              | 137.7        | 133.4        | 94.6         | 254.9            | 273.8        | 261.7        | 165.3        |
| Cutlery and edge tools  | 180.3              | 180.5        | 179.8        | 140.2        | 405.7            | 405.1        | 404.7        | 288.2        |
| Tools (except edge tools,<br>machine tools, files, and<br>saws)           | 174.6              | 174.1        | 175.0        | 140.6        | 355.6            | 361.3        | 360.8        | 262.3        |
| Hardware  | 142.9              | 140.4        | 139.0        | 107.5        | 297.5            | 289.0        | 286.2        | 195.7        |
| Plumbers' supplies  | 124.7              | 122.2        | 120.8        | 89.4         | 229.6            | 237.6        | 226.7        | 148.5        |
| Stoves, oil burners, and<br>heating equipment not<br>elsewhere classified | 137.4              | 135.9        | 131.7        | 95.4         | 273.8            | 277.1        | 264.8        | 159.4        |
| Steam and hot-water heating<br>apparatus and steam fittings               | 173.2              | 173.5        | 168.3        | 114.1        | 331.8            | 331.2        | 312.7        | 204.4        |
| Stamped and enameled ware<br>and galvanizing                              | 154.5              | 152.9        | 152.2        | 105.9        | 317.6            | 318.3        | 320.9        | 192.3        |
| Fabricated structural and<br>ornamental metalwork                         | 163.4              | 162.0        | 160.8        | 90.6         | 293.8            | 287.9        | 293.0        | 134.4        |
| Metal doors, sash, frames,<br>molding, and trim                           | 130.9              | 131.2        | 130.2        | 88.4         | 249.6            | 255.2        | 257.4        | 136.8        |
| Bolts, nuts, washers, and rivets  | 151.5              | 150.7        | 148.3        | 103.4        | 287.2            | 277.4        | 272.9        | 179.9        |
| Forgings, iron and steel  | 177.8              | 175.0        | 173.9        | 149.3        | 348.9            | 341.0        | 333.2        | 242.1        |
| Wrought pipe, welded and<br>heavy-riveted                                 | 165.2              | 161.9        | 158.0        | 85.0         | 293.6            | 292.9        | 285.8        | 135.3        |
| Screw-machine products and<br>wood screws                                 | 174.5              | 173.9        | 173.0        | 153.0        | 354.8            | 355.0        | 351.3        | 268.9        |
| Steel barrels, kegs, and drums  | 99.5               | 102.9        | 100.1        | 44.5         | 236.3            | 232.4        | 231.9        | 84.8         |
| Firearms  | 288.8              | 285.2        | 280.6        | 217.9        | 588.6            | 569.8        | 568.0        | 399.9        |
| ELECTRICAL MACHINERY 1/   | 232.0              | 230.6        | 230.6        | 136.1        | 422.5            | 424.6        | 430.2        | 214.2        |
| Electrical equipment  | 175.9              | 174.6        | 174.1        | 93.0         | 314.4            | 316.5        | 317.0        | 139.3        |
| Radios and phonographs  | 213.3              | 213.3        | 215.0        | 149.1        | 417.7            | 423.2        | 447.7        | 271.8        |
| Communication equipment   | 287.0              | 287.6        | 288.4        | 206.7        | 528.1            | 530.3        | 535.8        | 337.6        |

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

| Industry Group<br>and Industry  | Employment Indexes |              |              |              | Pay-Roll Indexes |              |              |              |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
|   | Feb.<br>1947       | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Feb.<br>1947     | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| MACHINERY, EXCEPT ELECTRICAL 1/                                       | 223.0              | 221.6        | 219.6        | 163.0        | 408.3            | 405.4        | 399.9        | 264.0        |
| Machinery and machine-shop products                                   | 189.6              | 188.3        | 187.6        | 145.8        | 349.3            | 348.8        | 346.7        | 239.4        |
| Engines and turbines  | 243.8              | 243.5        | 244.5        | 133.2        | 493.1            | 491.7        | 500.8        | 230.5        |
| Tractors  | 175.9              | 175.2        | 174.2        | 80.5         | 273.6            | 273.3        | 271.3        | 104.7        |
| Agricultural machinery,<br>excluding tractors                         | 166.8              | 164.1        | 161.0        | 106.8        | 309.5            | 296.0        | 291.1        | 165.6        |
| Machine tools   | 161.1              | 163.2        | 165.3        | 159.5        | 278.9            | 282.7        | 290.7        | 258.2        |
| Machine-tool accessories  | 199.2              | 204.0        | 204.8        | 180.7        | 332.5            | 342.7        | 351.0        | 279.4        |
| Textile machinery   | 168.4              | 165.6        | 161.4        | 121.5        | 346.6            | 337.0        | 321.7        | 222.7        |
| Pumps and pumping equipment   | 245.1              | 242.7        | 243.1        | 195.9        | 485.3            | 466.5        | 467.8        | 350.0        |
| Typewriters   | 142.0              | 139.8        | 137.2        | 94.5         | 282.6            | 276.2        | 270.1        | 174.4        |
| Cash registers, adding and calculating machines                       | 196.8              | 191.2        | 189.3        | 153.0        | 388.5            | 355.7        | 347.2        | 253.9        |
| Washing machines, wringers and driers, domestic                       | 177.7              | 169.6        | 166.8        | 128.7        | 316.8            | 326.8        | 306.2        | 200.9        |
| Sewing machines, domestic and industrial                              | 142.1              | 138.6        | 136.2        | 106.7        | 287.6            | 278.1        | 273.0        | 195.8        |
| Refrigerators and refrigeration equipment                             | 190.8              | 194.1        | 185.6        | 124.7        | 325.0            | 345.7        | 306.4        | 168.4        |
| TRANSPORTATION EQUIPMENT,<br>EXCEPT AUTOMOBILES 1/                    | 298.4              | 298.2        | 298.2        | 305.1        | 559.3            | 564.1        | 571.2        | 509.4        |
| Locomotives   | 416.3              | 410.9        | 418.8        | 64.3         | 827.2            | 797.2        | 876.0        | 123.6        |
| Cars, electric- and steam railroad                                    | 216.1              | 206.4        | 207.2        | 169.5        | 440.4            | 412.8        | 408.8        | 277.5        |
| Aircraft and parts, excluding aircraft engines                        | 359.6              | 364.8        | 364.8        | 296.2        | 673.8            | 674.8        | 683.3        | 520.7        |
| Aircraft engines  | 325.0              | 334.7        | 326.2        | 239.0        | 513.1            | 541.7        | 533.7        | 369.1        |
| Shipbuilding and boatbuilding   | 203.9              | 205.2        | 206.2        | 328.7        | 375.5            | 394.2        | 399.1        | 530.4        |
| Motorcycles, bicycles, and parts                                      | 179.4              | 175.1        | 173.6        | 125.2        | 327.6            | 318.5        | 346.7        | 201.0        |
| AUTOMOBILES 1/  | 196.5              | 187.7        | 192.3        | 106.8        | 337.3            | 321.1        | 328.9        | 147.6        |
| NONFERROUS METALS AND THEIR PRODUCTS 1/                               | 188.9              | 186.9        | 185.8        | 128.2        | 361.0            | 354.8        | 356.3        | 226.9        |
| Smelting and refining, primary, of nonferrous metals                  | 149.9              | 145.5        | 145.4        | 118.2        | 282.4            | 260.7        | 271.2        | 204.2        |
| Alloying and rolling and drawing of nonferrous metals except aluminum | 164.4              | 162.2        | 161.7        | 107.4        | 307.6            | 301.4        | 301.9        | 191.8        |
| Clocks and watches  | 140.7              | 139.3        | 139.1        | 121.6        | 306.2            | 296.0        | 306.3        | 233.6        |
| Jewelry (precious metals) and jewelers' findings                      | 123.6              | 124.3        | 123.9        | 114.0        | 233.4            | 236.8        | 250.5        | 204.8        |
| Silverware and plated ware  | 126.5              | 125.2        | 125.5        | 104.5        | 271.4            | 271.9        | 275.8        | 208.5        |
| Lighting equipment  | 161.2              | 157.9        | 154.4        | 86.9         | 298.8            | 285.7        | 272.5        | 136.1        |
| Aluminum manufactures   | 216.0              | 217.6        | 217.7        | 110.9        | 376.8            | 383.6        | 384.5        | 181.6        |
| Sheet-metal work, not elsewhere classified                            | 142.7              | 142.3        | 143.7        | 103.7        | 278.5            | 280.6        | 281.9        | 185.5        |

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

| Industry Group<br>and Industry                               | Employment Indexes |              |              |              | Pay-Roll Indexes |              |              |              |
|--|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
|  | Feb.<br>1947       | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Feb.<br>1947     | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| <b>LUMBER AND TIMBER BASIC</b>                               |                    |              |              |              |                  |              |              |              |
| PRODUCTS 1/  | 142.2              | 140.8        | 140.8        | 116.0        | 310.4            | 292.2        | 290.6        | 205.6        |
| Sawmills and logging camps                                   | 79.8               | 79.3         | 80.3         | 70.2         | 175.6            | 163.4        | 163.6        | 123.0        |
| Planing and plywood mills                                    | 105.6              | 105.9        | 105.3        | 90.8         | 218.3            | 216.2        | 215.4        | 160.9        |
| <b>FURNITURE AND FINISHED LUMBER</b>                         |                    |              |              |              |                  |              |              |              |
| PRODUCTS 1/  | 134.6              | 131.8        | 129.6        | 112.7        | 292.3            | 282.1        | 279.1        | 208.8        |
| Mattresses and bedsprings                                    | 128.8              | 128.2        | 125.9        | 100.2        | 258.0            | 259.8        | 259.0        | 173.1        |
| Furniture  | 111.1              | 108.9        | 107.8        | 95.4         | 243.0            | 234.8        | 230.7        | 176.7        |
| Wooden boxes, other than cigar                               | 104.8              | 104.2        | 102.2        | 95.2         | 238.4            | 234.8        | 236.1        | 190.1        |
| Caskets and other morticians' goods                          | 119.6              | 119.6        | 118.3        | 104.3        | 228.9            | 227.8        | 225.6        | 179.2        |
| Wood preserving  | 121.1              | 116.6        | 113.1        | 103.7        | 295.4            | 277.5        | 275.1        | 212.5        |
| Wood, turned and shaped                                      | 117.1              | 111.5        | 109.6        | 99.5         | 250.0            | 236.7        | 237.0        | 187.7        |
| <b>STONE, CLAY, AND GLASS PRODUCTS 1/</b>                    |                    |              |              |              |                  |              |              |              |
| Glass and glassware  | 144.5              | 144.9        | 144.4        | 124.7        | 278.4            | 280.0        | 281.6        | 210.0        |
| Glass products made from purchased glass                     | 145.7              | 149.1        | 148.6        | 142.3        | 270.7            | 282.6        | 283.1        | 236.5        |
| Cement   | 133.6              | 132.0        | 129.3        | 117.8        | 279.2            | 268.7        | 264.4        | 205.2        |
| Brick, tile, and terra cotta                                 | 121.2              | 121.5        | 122.2        | 94.0         | 201.1            | 197.9        | 209.3        | 141.6        |
| Pottery and related products                                 | 111.3              | 111.3        | 109.6        | 93.2         | 226.6            | 226.6        | 225.2        | 158.3        |
| Gypsum   | 152.2              | 149.9        | 149.1        | 129.6        | 278.8            | 270.0        | 274.4        | 209.5        |
| Wallboard, plaster (except gypsum), and mineral wool         | 122.8              | 123.8        | 124.8        | 99.6         | 238.9            | 243.8        | 245.1        | 172.3        |
| Lime   | 136.6              | 136.5        | 137.1        | 122.9        | 313.3            | 292.0        | 301.6        | 228.5        |
| Marble, granite, slate, and other products                   | 95.3               | 94.2         | 93.6         | 84.8         | 218.2            | 210.0        | 219.7        | 167.7        |
| Abrasives  | 94.0               | 91.3         | 93.6         | 79.8         | 158.1            | 152.9        | 158.0        | 122.0        |
| Asbestos products  | 259.9              | 261.8        | 260.0        | 218.9        | 450.2            | 482.6        | 459.9        | 319.3        |
| <b>Nondurable Goods</b>                                      | 135.4              | 136.8        | 136.4        | 91.1         | 307.7            | 305.5        | 300.0        | 181.5        |
| <b>TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES 1/</b> |                    |              |              |              |                  |              |              |              |
| Cotton manufactures, except small wares                      | 109.1              | 108.6        | 108.6        | 100.6        | 262.0            | 254.3        | 253.7        | 202.5        |
| Cotton small wares   | 119.1              | 118.7        | 118.4        | 110.4        | 309.1            | 304.4        | 301.2        | 230.0        |
| Silk and rayon goods   | 108.4              | 110.0        | 109.0        | 104.6        | 237.3            | 239.3        | 231.9        | 200.0        |
| Woolen and worsted manufactures, except dyeing and finishing | 79.6               | 79.9         | 79.8         | 74.4         | 206.9            | 201.3        | 197.9        | 158.3        |
| Hosiery  | 108.6              | 109.2        | 110.2        | 103.1        | 275.0            | 251.8        | 253.0        | 226.9        |
| Knitted cloth  | 75.5               | 74.8         | 74.5         | 69.0         | 157.9            | 156.1        | 158.2        | 125.3        |
| Knitted outerwear and knitted gloves                         | 94.9               | 95.7         | 99.6         | 101.2        | 204.2            | 198.5        | 207.1        | 202.3        |
| Knitted underwear  | 107.0              | 108.0        | 112.7        | 105.4        | 237.8            | 238.3        | 250.4        | 211.0        |
| Dyeing and finishing textiles including woolen and worsted   | 96.5               | 94.9         | 93.4         | 89.4         | 223.7            | 215.5        | 216.1        | 174.4        |
| Carpets and rugs, wool                                       | 99.3               | 98.7         | 97.2         | 93.4         | 217.2            | 215.3        | 210.4        | 177.8        |
| Hats, fur-felt   | 106.3              | 104.4        | 103.1        | 84.5         | 214.5            | 210.6        | 214.3        | 146.4        |
| Jute goods, except felts                                     | 82.0               | 82.5         | 81.7         | 73.2         | 175.3            | 180.5        | 191.0        | 153.4        |
| Cordage and twine  | 107.8              | 105.2        | 102.3        | 103.3        | 255.9            | 240.1        | 236.4        | 209.8        |
|  | 123.7              | 124.0        | 127.2        | 117.0        | 273.6            | 271.8        | 278.4        | 208.1        |

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

| Industry Group<br>and Industry                 | Employment Indexes |              |              |              | Pay-Roll Indexes |              |              |              |
|--|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
|  | Feb.<br>1947       | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Feb.<br>1947     | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| APPAREL AND OTHER FINISHED                     |                    |              |              |              |                  |              |              |              |
| TEXTILE PRODUCTS 1/                            | 141.7              | 138.1        | 136.6        | 123.7        | 315.5            | 302.4        | 292.7        | 236.1        |
| Men's clothing, not elsewhere<br>classified    | 94.5               | 94.0         | 94.0         | 85.3         | 210.4            | 209.0        | 210.7        | 158.1        |
| Shirts, collars, and nightwear                 | 84.6               | 81.9         | 82.0         | 73.4         | 198.8            | 195.1        | 198.1        | 147.7        |
| Underwear and neckwear, men's                  | 77.6               | 77.5         | 79.6         | 71.6         | 195.0            | 193.7        | 200.8        | 158.7        |
| Work shirts                                    | 106.3              | 104.2        | 102.2        | 100.9        | 254.3            | 246.7        | 254.1        | 197.7        |
| Women's clothing, not elsewhere<br>classified  | 81.5               | 78.7         | 77.7         | 78.7         | 183.0            | 171.9        | 159.1        | 153.3        |
| Corsets and allied garments                    | 90.7               | 90.4         | 90.0         | 83.4         | 192.6            | 186.0        | 185.9        | 156.1        |
| Millinery                                      | 83.6               | 78.4         | 73.3         | 85.7         | 165.8            | 140.0        | 116.7        | 152.6        |
| Handkerchiefs                                  | 53.2               | 51.5         | 51.5         | 51.2         | 123.8            | 113.3        | 124.7        | 105.1        |
| Curtains, draperies, and<br>bedspreads         | 70.8               | 73.0         | 75.9         | 73.3         | 149.7            | 154.6        | 164.9        | 142.8        |
| Housefurnishings, other than<br>curtains, etc. | 96.8               | 98.3         | 100.9        | 96.5         | 192.8            | 197.1        | 207.4        | 174.7        |
| Textile bags                                   | 121.6              | 120.9        | 123.5        | 120.7        | 241.7            | 245.9        | 242.7        | 207.3        |
| LEATHER AND LEATHER PRODUCTS 1/                | 106.5              | 106.0        | 104.4        | 101.1        | 222.9            | 220.6        | 218.3        | 195.9        |
| Leather  | 92.4               | 91.5         | 90.7         | 94.5         | 185.5            | 179.3        | 174.5        | 165.3        |
| Boot and shoe out stock and<br>findings        | 93.6               | 91.6         | 95.8         | 92.6         | 175.6            | 178.4        | 178.4        | 165.0        |
| Boots and shoes                                | 92.2               | 91.5         | 89.3         | 85.8         | 198.6            | 197.5        | 194.7        | 174.1        |
| Leather gloves and mittens                     | 98.9               | 101.0        | 106.0        | 117.1        | 183.5            | 191.9        | 201.9        | 211.8        |
| Trunks and suitcases                           | 166.7              | 168.5        | 176.7        | 163.0        | 327.6            | 321.0        | 353.1        | 280.6        |
| FOOD 1/  | 124.2              | 128.4        | 133.3        | 124.1        | 243.0            | 256.4        | 263.3        | 214.7        |
| Slaughtering and meat packing                  | 123.5              | 128.1        | 125.0        | 125.5        | 237.8            | 268.0        | 236.9        | 199.4        |
| Butter   | 124.7              | 123.1        | 130.6        | 120.7        | 237.3            | 233.7        | 246.6        | 200.9        |
| Condensed and evaporated milk                  | 137.9              | 134.6        | 132.5        | 132.3        | 278.2            | 269.8        | 256.2        | 225.8        |
| Ice cream                                      | 104.4              | 102.3        | 104.4        | 98.5         | 182.8            | 181.6        | 185.5        | 152.3        |
| Flour  | 124.0              | 123.2        | 123.9        | 126.5        | 262.2            | 268.2        | 267.8        | 241.6        |
| Feeds, prepared                                | 140.4              | 142.1        | 137.6        | 152.6        | 278.2            | 284.5        | 266.9        | 272.7        |
| Cereal preparations                            | 131.9              | 137.0        | 145.0        | 147.3        | 253.9            | 260.5        | 271.9        | 248.6        |
| Baking   | 105.7              | 107.9        | 109.6        | 109.7        | 194.5            | 201.1        | 209.0        | 181.2        |
| Sugar refining, cane 2/                        | 93.0               | 103.2        | 105.2        | 86.8         | 161.2            | 167.3        | 200.2        | 121.4        |
| Sugar, beet                                    | 49.1               | 88.0         | 154.8        | 46.7         | 96.9             | 158.6        | 341.8        | 74.0         |
| Confectionery                                  | 114.1              | 114.3        | 117.9        | 103.4        | 230.1            | 226.3        | 240.5        | 183.2        |
| Beverages, nonalcoholic                        | 105.2              | 105.8        | 108.5        | 105.5        | 163.0            | 164.8        | 169.1        | 144.9        |
| Malt liquors                                   | 145.2              | 145.9        | 148.8        | 153.9        | 233.6            | 235.7        | 251.5        | 237.8        |
| Canning and preserving                         | 60.8               | 70.3         | 86.2         | 66.6         | 137.9            | 158.2        | 201.1        | 136.6        |
| TOBACCO MANUFACTURES 1/                        | 95.4               | 96.1         | 98.3         | 87.3         | 201.0            | 209.4        | 222.0        | 165.2        |
| Cigarettes                                     | 121.9              | 124.2        | 125.9        | 116.1        | 233.6            | 241.5        | 254.7        | 194.3        |
| Cigars   | 82.8               | 82.1         | 84.3         | 71.5         | 186.2            | 195.2        | 206.7        | 148.9        |
| Tobacco (chewing and smoking)<br>and snuff     | 78.4               | 82.1         | 85.4         | 84.6         | 144.0            | 155.8        | 166.8        | 133.4        |

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

| Industry Group<br>and Industry  | Employment Indexes |              |              |              | Pay-Roll Indexes |              |              |              |
|---|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
|   | Feb.<br>1947       | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Feb.<br>1947     | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| PAPER AND ALLIED PRODUCTS 1/  |                    |              |              |              |                  |              |              |              |
| Paper and pulp  | 145.9              | 145.6        | 145.7        | 132.5        | 287.4            | 284.3        | 284.5        | 228.4        |
| Paper goods, other  | 125.6              | 125.2        | 125.0        | 116.3        | 250.5            | 245.6        | 244.9        | 203.6        |
| Envelopes   | 126.5              | 126.2        | 127.4        | 120.8        | 247.0            | 246.4        | 249.0        | 204.6        |
| Paper bags  | 126.4              | 125.9        | 126.7        | 115.1        | 237.3            | 234.9        | 235.4        | 185.4        |
| Paper boxes   | 142.6              | 144.7        | 142.4        | 126.2        | 283.9            | 292.2        | 283.5        | 221.3        |
|   | 131.4              | 132.0        | 133.9        | 120.1        | 256.8            | 257.9        | 262.1        | 204.0        |
| PRINTING, PUBLISHING, AND ALLIED INDUSTRIES 1/                        |                    |              |              |              |                  |              |              |              |
| Newspapers and periodicals  | 128.1              | 127.2        | 127.9        | 116.2        | 221.7            | 219.6        | 223.9        | 177.4        |
| Printing, book and job  | 115.6              | 114.0        | 115.2        | 105.3        | 191.0            | 185.2        | 189.7        | 148.9        |
| Lithographing   | 131.4              | 131.5        | 131.6        | 120.9        | 234.2            | 235.2        | 239.4        | 193.9        |
| Bookbinding   | 117.4              | 116.4        | 117.3        | 107.3        | 199.7            | 201.8        | 203.4        | 161.8        |
|   | 131.6              | 130.9        | 132.3        | 116.6        | 275.8            | 278.0        | 283.6        | 221.0        |
| CHEMICALS AND ALLIED PRODUCTS 1/                                      |                    |              |              |              |                  |              |              |              |
| Faints, varnishes, and colors   | 197.0              | 195.6        | 192.5        | 185.8        | 372.5            | 362.9        | 357.0        | 310.7        |
| Drugs, medicines, and insecticides                                    | 130.6              | 129.0        | 129.2        | 120.1        | 222.0            | 216.4        | 214.7        | 185.2        |
| Perfumes and cosmetics  | 197.8              | 198.7        | 196.4        | 185.5        | 364.8            | 354.9        | 351.3        | 297.2        |
| Soap  | 102.5              | 104.7        | 110.8        | 116.8        | 184.5            | 186.6        | 203.2        | 184.9        |
| Rayon and allied products   | 111.2              | 107.1        | 105.5        | 102.2        | 208.3            | 199.2        | 195.7        | 167.2        |
| Chemicals, not elsewhere classified                                   | 122.3              | 122.0        | 121.3        | 123.6        | 236.0            | 219.7        | 216.3        | 197.3        |
| Explosives and safety fuses   | 178.6              | 178.6        | 176.7        | 165.1        | 323.5            | 321.0        | 313.4        | 272.5        |
| Compressed and liquefied gases  | 188.3              | 184.9        | 177.4        | 211.7        | 307.9            | 320.3        | 299.2        | 324.7        |
| Ammunition, small-arms  | 149.4              | 146.2        | 144.0        | 131.3        | 250.9            | 240.6        | 243.2        | 209.6        |
| Fireworks   | 155.4              | 155.9        | 155.8        | 197.5        | 334.1            | 332.3        | 326.7        | 384.0        |
| Cottonseed oil  | 231.0              | 258.9        | 298.7        | 203.3        | 623.7            | 661.1        | 788.6        | 496.4        |
| Fertilizers   | 108.3              | 114.1        | 124.4        | 101.4        | 280.7            | 295.0        | 326.8        | 215.3        |
|   | 148.8              | 136.6        | 122.8        | 151.7        | 360.6            | 327.6        | 304.9        | 335.9        |
| PRODUCTS OF PETROLEUM AND COAL 1/                                     |                    |              |              |              |                  |              |              |              |
| Petroleum refining  | 146.0              | 145.3        | 146.1        | 134.2        | 256.8            | 253.9        | 250.9        | 227.1        |
| Coke and by-products  | 135.2              | 135.0        | 136.4        | 132.3        | 228.8            | 227.5        | 230.2        | 217.4        |
| Paving materials  | 120.2              | 117.9        | 115.3        | 90.7         | 229.0            | 221.0        | 196.7        | 162.1        |
| Roofing materials   | 66.3               | 67.1         | 67.6         | 60.3         | 110.6            | 114.6        | 129.6        | 115.4        |
|   | 152.9              | 154.4        | 155.8        | 134.4        | 314.0            | 313.5        | 309.8        | 241.0        |
| RUBBER PRODUCTS 1/  |                    |              |              |              |                  |              |              |              |
| Rubber tires and inner tubes  | 198.2              | 198.8        | 200.1        | 174.5        | 386.6            | 386.3        | 392.2        | 287.7        |
| Rubber boots and shoes  | 201.2              | 203.5        | 206.3        | 187.3        | 357.7            | 361.2        | 368.9        | 271.9        |
| Rubber goods, other   | 136.8              | 133.9        | 132.7        | 113.9        | 280.6            | 276.0        | 272.6        | 211.5        |
|   | 147.6              | 148.0        | 148.7        | 128.8        | 305.2            | 303.4        | 308.6        | 233.8        |
| MISCELLANEOUS INDUSTRIES 1/   |                    |              |              |              |                  |              |              |              |
| Instruments (professional and scientific), and fire control equipment | 130.8              | 179.2        | 163.2        | 156.8        | 359.8            | 356.6        | 363.3        | 280.6        |
| Photographic apparatus  | 181.8              | 182.0        | 184.3        | 201.3        | 326.4            | 329.5        | 334.6        | 321.7        |
| Optical instruments, and ophthalmic goods                             | 146.4              | 146.5        | 146.8        | 130.1        | 249.5            | 254.1        | 253.1        | 204.5        |
| Pianos, organs, and parts   | 186.2              | 187.9        | 188.5        | 178.0        | 334.3            | 344.8        | 346.3        | 309.8        |
| Games, toys, and dolls  | 139.8              | 137.1        | 124.7        | 98.5         | 299.6            | 284.8        | 242.2        | 159.8        |
| Buttons   | 118.4              | 115.1        | 129.9        | 98.6         | 249.5            | 239.2        | 285.6        | 190.2        |
| Fire extinguishers  | 88.7               | 91.7         | 95.5         | 92.7         | 200.1            | 203.0        | 215.7        | 185.5        |
|   | 227.3              | 214.7        | 219.6        | 227.2        | 409.7            | 425.9        | 438.8        | 466.9        |

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

- 1/ These indexes are based on reports from 32,900 cooperating establishments covering 7,473,000 full- and part-time production workers who worked or received pay during any part of one pay period ending nearest the 15th of February 1947. Indexes for the major industry groups have been adjusted to levels indicated by final 1945 data made available by the Bureau of Employment Security of the Federal Security Agency and supersede data shown in mimeographed releases dated prior to April 1947 and Monthly Labor Reviews dated prior to May 1947. Comparable series from January 1945 are presented in Table 15, page 31.
- 2/ Revisions have been made as follows in the indexes for earlier months:

Sugar refining, cane - November 1946 pay roll to 150.4.

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

| Industry Group<br>and Industry        | Feb. 1947 | Jan. 1947 | Dec. 1946 | Feb. 1946 |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Mining <sup>2/</sup>                  |           |           |           |           |
| Anthracite                            | 68.7      | 69.1      | 68.7      | 67.2      |
| Bituminous coal                       | 335       | 336       | 326       | 341       |
| Metal                                 | 77.3      | 76.9      | 76.0      | 59.5      |
| Iron                                  | 26.4      | 26.6      | 26.6      | 17.9      |
| Copper                                | 24.2      | 23.9      | 23.3      | 17.9      |
| Lead and zinc                         | 16.6      | 16.5      | 16.1      | 14.7      |
| Gold and silver                       | 7.9       | 7.7       | 7.6       | 7.1       |
| Miscellaneous                         | 2.2       | 2.2       | 2.4       | 1.9       |
| Telephone                             | 594       | 588       | 586       | 488       |
| Telegraph <sup>3/</sup>               | 38.3      | 39.4      | 40.4      | 46.9      |
| Electric light and power              | 252       | 250       | 252       | 231       |
| Street railways and busses            | 254       | 253       | 252       | 243       |
| Hotels (year-round)                   | 300       | 378       | 384       | 383       |
| Power laundries                       | 4/        | 4/        | 4/        | 4/        |
| Cleaning and dyeing                   | 4/        | 4/        | 4/        | 4/        |
| Class I steam railroads <sup>5/</sup> | 1,325     | 1,334     | 1,353     | 1,367     |

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

5/ Source: Interstate Commerce Commission.

Table 4. - Percentage Changes in Employment and Pay Rolls  
in Selected Nonmanufacturing Industries, February 1947

| Industry Group<br>and Industry                                 | Employment                             |              | Pay Roll                               |              |
|--|--|--------------|--|--------------|
|  | Percentage change from<br>Jan.<br>1947 | Feb.<br>1946 | Percentage change from<br>Jan.<br>1947 | Feb.<br>1946 |
| Wholesale trade:   |  |              |  |              |
| Food products  | - .3                                   | + 6.1        | + 0.5                                  | +15.6        |
| Groceries and food specialties                                 | - .6                                   | + .4         | + .3                                   | +11.2        |
| Dry goods and apparel  | - .5                                   | + .2         | - 1.5                                  | + 7.3        |
| Machinery, equipment and supplies                              | 0                                      | + 5.2        | + 4.1                                  | +15.4        |
| Farm products  | + .7                                   | + 8.7        | - .2                                   | +17.1        |
| Petroleum and petroleum products<br>(incl. bulk tank stations) | -11.4                                  | +41.8        | - 9.4                                  | +48.1        |
| Automotive   | + .3                                   | +10.3        | + 2.7                                  | +17.6        |
| Security brokerage*  | - .6                                   | +12.1        | - .1                                   | +16.5        |
| Insurance  | - 1.8                                  | - 4.3        | - .7                                   | -14.3        |
|  | + 1.5                                  | +10.9        | - 1.6                                  | +11.9        |

\* Formerly entitled "Brokerage".

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

| Industry Group<br>and Industry | Employment Indexes |              |              |              | Pay-Roll Indexes |              |              |              |
|--------------------------------|--------------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|
|                                | Feb.<br>1947       | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Feb.<br>1947     | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| <b>Mining:</b>                 |                    |              |              |              |                  |              |              |              |
| Anthracite                     | 82.9               | 83.4         | 83.0         | 81.1         | 184.7            | 202.0        | 212.3        | 178.3        |
| Bituminous coal                | 90.4               | 90.8         | 88.1         | 92.0         | 248.7            | 265.4        | 258.3        | 222.8        |
| Metal:                         |                    |              |              |              |                  |              |              |              |
| Iron                           | 87.6               | 87.2         | 86.2         | 67.5         | 162.0            | 156.8        | 159.3        | 92.8         |
| Copper                         | 131.5              | 131.4        | 132.4        | 89.3         | 240.3            | 229.4        | 239.7        | 71.0         |
| Lead and zinc                  | 101.5              | 100.4        | 97.8         | 74.9         | 198.0            | 193.6        | 192.2        | 121.3        |
| Gold and silver                | 106.9              | 106.4        | 103.4        | 94.5         | 226.2            | 221.7        | 220.1        | 182.2        |
| Miscellaneous                  | 31.7               | 31.3         | 30.7         | 28.6         | 51.0             | 48.3         | 49.8         | 38.5         |
| Quarrying and nonmetallic      | 51.4               | 54.3         | 59.6         | 49.0         | 84.5             | 84.7         | 93.3         | 75.8         |
| Crude petroleum production 2/  | 97.1               | 96.9         | 99.7         | 84.3         | 205.6            | 204.8        | 221.9        | 157.2        |
| Public utilities:              | 91.8               | 92.1         | 92.6         | 91.0         | 153.8            | 153.8        | 147.1        | 142.0        |
| Telephone                      | 186.9              | 185.2        | 184.6        | 153.7        | 269.4            | 267.5        | 264.5        | 230.7        |
| Telegraph                      | 101.8              | 104.6        | 107.4        | 124.7        | 185.4            | 189.1        | 190.5        | 176.9        |
| Electric light and power       | 103.2              | 102.5        | 103.0        | 94.7         | 163.7            | 159.5        | 161.6        | 138.3        |
| Street railways and busses     | 130.9              | 130.6        | 130.1        | 125.7        | 219.3            | 216.6        | 213.6        | 187.2        |
| Wholesale trade                | 111.9              | 112.2        | 114.4        | 105.5        | 190.7            | 189.7        | 197.2        | 165.0        |
| Retail trade:                  | 109.6              | 110.3        | 126.5        | 104.3        | 187.0            | 187.7        | 212.2        | 157.1        |
| Food                           | 111.2              | 108.5        | 111.9        | 106.8        | 197.1            | 189.4        | 194.6        | 161.7        |
| General merchandise            | 119.5              | 125.9        | 171.0        | 114.6        | 199.0            | 213.4        | 277.2        | 165.5        |
| Apparel                        | 108.2              | 110.3        | 135.5        | 104.8        | 184.3            | 188.3        | 230.2        | 162.5        |
| Furniture and housefurnishings | 84.3               | 84.3         | 90.4         | 72.9         | 143.8            | 144.1        | 165.7        | 112.5        |
| Automotive                     | 98.2               | 98.3         | 100.2        | 86.9         | 172.7            | 170.4        | 178.8        | 140.5        |
| Lumber and building materials  | 113.9              | 113.4        | 116.1        | 103.3        | 196.8            | 193.4        | 200.5        | 161.5        |
| Hotels (year-round) 3/         | 117.7              | 117.3        | 119.1        | 118.7        | 216.6            | 215.1        | 218.8        | 199.8        |
| Power laundries                | 109.5              | 111.0        | 110.9        | 109.0        | 196.1            | 201.8        | 201.0        | 177.0        |
| Cleaning and dyeing            | 117.0              | 118.2        | 120.9        | 121.5        | 204.7            | 213.8        | 219.5        | 199.1        |
| Class I steam railroads 4/     | 134.1              | 135.1        | 136.9        | 138.4        | 5/               | 5/           | 5/           | 5/           |

1/ These figures are based on reports from cooperating establishments covering full-and part-time employees who worked or received pay during any part of one pay period ending nearest the 15th of February 1947, as follows:

Mining: 2,700 establishments - 354,000 production workers.

Public utilities: 7,000 establishments - 832,000 employees.

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

Retail trade: 36,200 establishments - 929,000 employees.

Hotels (year-round): 1,200 establishments - 133,000 employees.

Power laundries and cleaning and dyeing: 1,500 establishments - 69,000 production workers.

2/ Does not include well drilling or rig building.

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

4/ Source: Interstate Commerce Commission.

5/ Not available.

Table 6. - Estimated Number of Employees <sup>1/</sup> in Nonagricultural Establishments,  
by Industry Division

(In thousands)

| Industry Division  | Feb.<br>1947 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 | Averages<br>1946 |
|--|--------------|--------------|--------------|--------------|------------------|
| Total  | 41,850       | 41,795       | 42,928       | 38,148       | 40,712           |
| Manufacturing  | 15,481       | 15,372       | 15,348       | 12,751       | 14,365           |
| Mining   | 881          | 883          | 874          | 864          | 836              |
| Contract construction  | 1,492        | 1,515        | 1,644        | 1,101        | 1,493            |
| Transportation and public utilities  | 4,012        | 4,015        | 4,071        | 3,943        | 4,023            |
| Trade  | 8,507        | 8,555        | 9,234        | 8,090        | 8,448            |
| Finance, service and miscellaneous   | 6,107        | 6,071        | 6,119        | 5,776        | 5,954            |
| Federal, State and local government<br>including Federal force-account<br>construction | 5,370        | 5,384        | 5,638        | 5,623        | 5,595            |

<sup>1/</sup> Estimates include all full- and part-time wage and salary workers in nonagricultural 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. These estimates have been adjusted to levels indicated by final 1945 data made available by the Bureau of Employment Security of the Federal Security Agency and supersede data shown in mimeographed releases dated prior to April 1947 and Monthly Labor Reviews dated prior to May 1947. Data from January 1939 forward were affected by this revision. The complete series from 1939 to date is shown in Table 16, page 45.

Table 7. - Estimated Number of Employees <sup>1/</sup> in Manufacturing Industries by Major Industry Group

| Industry Group  | All Employees (In thousands) |              |              |              |
|---|------------------------------|--------------|--------------|--------------|
|   | Feb.<br>1947                 | Jan.<br>1947 | Dec.<br>1946 | Feb.<br>1946 |
| All manufacturing                                     | 15,481                       | 15,372       | 15,348       | 12,751       |
| Durable goods   | 7,865                        | 7,777        | 7,731        | 5,731        |
| Nondurable goods                                      | 7,616                        | 7,595        | 7,617        | 7,020        |
| Iron and steel and their products                     | 1,833                        | 1,823        | 1,787        | 1,136        |
| Electrical machinery                                  | 780                          | 773          | 771          | 481          |
| Machinery, except electrical                          | 1,507                        | 1,501        | 1,489        | 1,161        |
| Transportation equipment, except<br>automobiles       | 601                          | 602          | 600          | 632          |
| Automobiles   | 969                          | 924          | 943          | 551          |
| Nonferrous metals and their products                  | 499                          | 494          | 493          | 354          |
| Lumber and timber basic products                      | 660                          | 654          | 652          | 540          |
| Furniture and finished lumber products                | 526                          | 514          | 504          | 444          |
| Stone, clay, and glass products                       | 490                          | 492          | 492          | 432          |
| Textile-mill products and other<br>fiber manufactures | 1,360                        | 1,354        | 1,353        | 1,252        |
| Apparel and other finished textile<br>products        | 1,274                        | 1,243        | 1,229        | 1,107        |
| Leather and leather products                          | 411                          | 410          | 403          | 388          |
| Food  | 1,485                        | 1,512        | 1,548        | 1,462        |
| Tobacco manufactures                                  | 102                          | 104          | 105          | 94           |
| Paper and allied products                             | 466                          | 465          | 455          | 426          |
| Printing, publishing, and allied<br>industries        | 687                          | 683          | 683          | 629          |
| Chemicals and allied products                         | 747                          | 741          | 732          | 694          |
| Products of petroleum and coal                        | 221                          | 222          | 221          | 204          |
| Rubber products                                       | 295                          | 294          | 296          | 259          |
| Miscellaneous industries                              | 563                          | 567          | 577          | 505          |

<sup>1/</sup> 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 1945 data made available by the Bureau of Employment Security of the Federal Security Agency and supersede data shown in mimeographed releases dated prior to April 1947 and Monthly Labor Reviews dated prior to May 1947.

<sup>2/</sup> 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/ |              |              |
|-------------------------|------------------------|--------------|--------------|------------------|--------------|--------------|
|                         | Jan.<br>1947           | Dec.<br>1946 | Jan.<br>1946 | Jan.<br>1947     | Dec.<br>1946 | Jan.<br>1946 |
| New England             | 2,917                  | 3,009        | 2,769        | 1,573            | 1,578        | 1,379        |
| Maine 2/                | 227                    | 235          | 226          | 113              | 114          | 110          |
| New Hampshire 2/        | 143                    | 147          | 136          | 82.4             | 83.0         | 76.1         |
| Vermont 2/              | 88.9                   | 91.0         | 84.4         | 43.3             | 43.1         | 38.8         |
| Massachusetts 3/        | 1,479                  | 1,534        | 1,460        | 762              | 767          | 685          |
| Rhode Island 3/         | 267                    | 273          | 251          | 150              | 150          | 132          |
| Connecticut 3/          | 712                    | 729          | 612          | 422              | 421          | 337          |
| Middle Atlantic         | 8,806                  | 9,118        | 8,478        | 4,087            | 4,080        | 3,716        |
| New York 3/             | 4,449                  | 4,559        | 4,243        | 1,901            | 1,899        | 1,753        |
| New Jersey 3/ *         | 1,354                  | 1,389        | 1,283        | 770              | 768          | 675          |
| Pennsylvania 3/         | 3,003                  | 3,170        | 2,952        | 1,416            | 1,413        | 1,288        |
| East North Central      | 8,483                  | 8,699        | 7,748        | 4,355            | 4,340        | 3,723        |
| Ohio 4/                 | 2,306                  | 2,368        | 2,122        | 1,211            | 1,201        | 1,072        |
| Indiana 3/              | 963                    | 991          | 884          | 544              | 541          | 445          |
| Illinois 3/             | 2,794                  | 2,852        | 2,631        | 1,190            | 1,182        | 1,069        |
| Michigan 3/             | 1,648                  | 1,696        | 1,381        | 1,014            | 1,019        | 774          |
| Wisconsin 3/            | 772                    | 792          | 730          | 396              | 397          | 363          |
| West North Central      | 2,757                  | 2,859        | 2,645        | 828              | 833          | 759          |
| Minnesota 3/            | 647                    | 669          | 617          | 198              | 200          | 185          |
| Iowa 5/                 | 458                    | 468          | 436          | 144              | 143          | 129          |
| Missouri 6/             | 902                    | 941          | 863          | 345              | 348          | 308          |
| North Dakota 5/         | 79.8                   | 85.5         | 74.5         | 6.7              | 7.1          | 5.8          |
| South Dakota 5/         | 88.5                   | 92.7         | 82.0         | 11.1             | 11.2         | 10.2         |
| Nebraska 5/             | 243                    | 252          | 242          | 44.1             | 44.5         | 43.3         |
| Kansas 3/               | 339                    | 351          | 330          | 78.9             | 79.6         | 77.8         |
| South Atlantic          | 4,374                  | 4,523        | 4,225        | 1,554            | 1,558        | 1,430        |
| Delaware 3/             | 91.2                   | 93.7         | 85.4         | 45.3             | 45.2         | 42.2         |
| Maryland 3/             | 600                    | 630          | 571          | 238              | 241          | 215          |
| District of Columbia 7/ | 448                    | 462          | 445          | 16.9             | 17.3         | 15.8         |
| Virginia 3/             | 639                    | 663          | 627          | 211              | 213          | 192          |
| West Virginia 4/        | 417                    | 423          | 405          | 133              | 132          | 125          |
| North Carolina 3/       | 733                    | 754          | 694          | 373              | 371          | 346          |
| South Carolina 8/       | 357                    | 368          | 352          | 189              | 188          | 172          |
| Georgia 8/              | 610                    | 634          | 586          | 257              | 260          | 239          |
| Florida 3/              | 479                    | 496          | 460          | 90.6             | 90.4         | 83.0         |
| East South Central      | 1,720                  | 1,764        | 1,625        | 698              | 691          | 621          |
| Kentucky 4/             | 423                    | 437          | 425          | 128              | 128          | 116          |
| Tennessee 8/            | 548                    | 560          | 503          | 252              | 248          | 226          |
| Alabama 8/              | 507                    | 516          | 470          | 225              | 223          | 196          |
| Mississippi 8/          | 242                    | 251          | 227          | 92.7             | 91.5         | 82.6         |
| West South Central      | 2,324                  | 2,423        | 2,292        | 580              | 589          | 548          |
| Arkansas 3/             | 227                    | 239          | 225          | 67.4             | 70.0         | 61.9         |
| Louisiana 3/            | 439                    | 455          | 436          | 133              | 134          | 128          |
| Oklahoma 6/             | 339                    | 352          | 335          | 54.7             | 55.4         | 56.4         |
| Texas 3/                | 1,319                  | 1,377        | 1,296        | 325              | 330          | 302          |

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

| Region and State | All industry divisions |              |              | Manufacturing 1/ |              |              |
|------------------|------------------------|--------------|--------------|------------------|--------------|--------------|
|                  | Jan.<br>1947           | Dec.<br>1946 | Jan.<br>1946 | Jan.<br>1947     | Dec.<br>1946 | Jan.<br>1946 |
| Mountain         |                        |              |              |                  |              |              |
| Montana 3/       | 910                    | 949          | 882          | 144              | 152          | 123          |
| Idaho 9/         | 114                    | 118          | 109          | 16.3             | 17.6         | 12.8         |
| Wyoming 9/       | 95.7                   | 102          | 95.3         | 18.0             | 20.1         | 15.9         |
| Colorado 9/      | 58.7                   | 61.0         | 68.9         | 5.9              | 6.7          | 5.2          |
| New Mexico 9/    | 275                    | 285          | 255          | 55.7             | 56.2         | 47.6         |
| Arizona 10/      | 83.1                   | 85.2         | 82.8         | 10.3             | 10.2         | 8.4          |
| Utah 3/ *        | 107                    | 109          | 99.7         | 12.1             | 12.6         | 10.5         |
| Nevada 3/ *      | 136                    | 146          | 131          | 22.1             | 24.9         | 19.8         |
|                  | 40.0                   | 42.3         | 40.6         | 3.5              | 3.4          | 2.8          |
| Pacific          |                        |              |              |                  |              |              |
| Washington 3/    | 3,183                  | 3,314        | 2,985        | 974              | 986          | 898          |
| Gregon 10/       | 510                    | 531          | 514          | 160              | 162          | 168          |
| California 3/    | 302                    | 314          | 293          | 11.6             | 118          | 108          |
|                  | 2,371                  | 2,469        | 2,178        | 698              | 706          | 622          |

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.

Florida - Florida Industrial Commission, Tallahassee.

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, February 1947  
(In thousands)

| Branch                                    | Employment 1/       |                    |                  | Pay rolls 2/        |                    |                     |
|---|---------------------|--------------------|------------------|---------------------|--------------------|---------------------|
|   | February<br>1947 3/ | January<br>1947 4/ | February<br>1946 | February<br>1947 3/ | January<br>1947 3/ | February<br>1946 3/ |
| Total.....                                | 2,304.0             | 2,326.0            | 2,926.1          | \$514,535           | \$518,194          | \$502,043           |
| Executive 5/.....                         | 2,261.8             | 2,284.1            | 2,882.6          | 505,171             | 508,671            | 493,818             |
| Washington, D. C. ....                    |                     |                    |                  |                     |                    |                     |
| metropolitan area 6/.....                 | 220.2               | 221.3              | 233.0            | 57,207              | 57,543             | 48,339              |
| War agencies 7/.....                      | 75.3                | 75.7               | 91.0             | 19,761              | 19,846             | 16,697              |
| Other agencies.....                       | 144.9               | 145.6              | 142.0            | 37,446              | 37,697             | 31,642              |
| Other areas.....                          | 2,041.6             | 2,062.8            | 2,649.6          | 447,964             | 451,128            | 445,479             |
| War agencies 7/.....                      | 1,076.0             | 1,101.0            | 1,772.3          | 228,692             | 232,685            | 277,509             |
| Continental United States.....            | 782.5               | 795.6              | 1,286.0          | 189,266             | 191,948            | 241,313             |
| Outside continental United States 8/..... | 293.5               | 305.4              | 486.3            | 39,426              | 40,737             | 36,196              |
| Other agencies.....                       | 965.6               | 961.8              | 877.3            | 219,272             | 218,443            | 167,970             |
| Continental United States.....            | 937.5               | 934.2              | 854.8            | 212,632             | 211,597            | 163,278             |
| Outside continental United States 8/..... | 28.1                | 27.6               | 22.5             | 6,640               | 6,846              | 4,692               |
| Legislative.....                          | 7.1                 | 6.8                | 6.5              | 2,308               | 2,345              | 1,768               |
| Judicial.....                             | 3.1                 | 3.1                | 3.0              | 1,091               | 1,191              | 940                 |
| Government corporations 9/.....           | 32.0                | 32.0               | 34.0             | 5,965               | 5,987              | 5,517               |

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

2/ Pay rolls for January and February 1947 cover the entire calendar month; pay rolls for February 1946 cover all pay periods ending within the month, or four weeks for most employees.

3/ Subject to revision.

4/ Revised.

5/ 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. Substitute rural mail carriers are excluded from the employment.

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

7/ Covers War and Navy Departments, Maritime Commission, National Advisory Committee for Aeronautics, The Panama Canal, and the war emergency and reconversion agencies.

8/ Includes Alaska and the Panama Canal Zone.

9/ 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        | February<br>1947<br>(Preliminary) | January<br>1947<br>(Preliminary) | December<br>1946<br>(Revised) | February<br>1946 | February<br>1942 |
|-----------------------------------|-----------------------------------|----------------------------------|-------------------------------|------------------|------------------|
| Personnel, total <u>1/</u>        | 1,906                             | 1,987                            | 2,204                         | 5,956            | 2,465            |
| Army .....                        | 1,254                             | 1,319                            | 1,511                         | 3,469            | 1,890            |
| Navy <u>2/</u> .....              | 652                               | 668                              | 693                           | 2,487            | 575              |
| Men .....                         | 1,881                             | 1,961                            | 2,176                         | 5,815            | 2,457            |
| Women .....                       | 25                                | 26                               | 28                            | 141              | 8                |
| Pay, total .....                  | \$655,353                         | \$594,873                        | \$686,271                     | \$1,182,809      | \$178,173        |
| Army .....                        | 430,618                           | 423,994                          | 417,730                       | 749,482          | 119,207          |
| Navy <u>2/</u> .....              | 224,735                           | 270,879                          | 268,541                       | 433,327          | 58,966           |
| Pay rolls <u>3/</u> .....         | 301,220                           | 319,499                          | 326,541                       | 716,094          | 178,173          |
| Mustering-out pay <u>4/</u> ..... | 18,311                            | 27,736                           | 43,712                        | 355,572          | -                |
| Family allowances <u>5/</u> ..... | 28,424                            | 29,298                           | 32,195                        | 111,143          | -                |
| Leave payments <u>6/</u> .....    | 307,398                           | 318,340                          | 284,023                       | -                | -                |
| Cash .....                        | 21,638                            | 22,958                           | 16,468                        | -                | -                |
| Bonds .....                       | 285,760                           | 295,382                          | 267,555                       | -                | -                |

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 January 1947 in the amount of \$5,127,175.

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 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, February 1947 1/

| Shipbuilding Region       | Employment (in thousands) |                 |                  |
|---------------------------|---------------------------|-----------------|------------------|
|                           | February<br>1947          | January<br>1947 | February<br>1946 |
| All regions .....         | 327.5                     | 242.4           | 470.9            |
| U. S. navy yards 2/ ..... | 87.2                      | 89.5            | 210.0            |
| Private shipyards .....   | 240.3                     | 152.9           | 260.9            |
| North Atlantic .....      | 105.6                     | 107.5           | 217.4            |
| South Atlantic .....      | 30.5                      | 30.3            | 54.9             |
| Gulf .....                | 29.0                      | 28.0            | 38.0             |
| Pacific .....             | 66.0                      | 67.3            | 148.2            |
| Great Lakes .....         | 6.3                       | 6.3             | 6.9              |
| Inland .....              | 2.8                       | 3.0             | 5.4              |

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,  
February 1946, January 1947, February 1947

| Type of project                      | Employment (In thousands) |                    |                     | Pay rolls (In thousands) |                    |                     |
|--------------------------------------|---------------------------|--------------------|---------------------|--------------------------|--------------------|---------------------|
|                                      | February<br>1947 1/       | January<br>1947 2/ | February<br>1946 2/ | February<br>1947 1/      | January<br>1947 2/ | February<br>1946 2/ |
| New construction, total 3/           | 1,538.8                   | 1,627.6            | 1,363.5             | 4/                       | 4/                 | 4/                  |
| At the construction site             | 1,341.1                   | 1,417.9            | 1,184.6             | 4/                       | 4/                 | 4/                  |
| Federal projects 5/                  | 6/ 137.9                  | 6/ 164.2           | 6/ 82.9             | 7/\$27,787               | 7/\$34,150         | 7/\$14,826          |
| Airports                             | .5                        | 1.0                | 2.1                 | 106                      | 172                | 414                 |
| Buildings                            | 66.3                      | 86.4               | 43.4                | 13,726                   | 18,682             | 7,436               |
| Residential                          | 54.2                      | 70.9               | 8.0                 | 11,633                   | 15,989             | 1,309               |
| Nonresidential 6/                    | 6/ 12.1                   | 6/ 15.5            | 6/ 35.4             | 7/ 2,093                 | 7/ 2,693           | 7/ 6,127            |
| Electrification                      | 6.6                       | 6.9                | 2.4                 | 934                      | 960                | 353                 |
| Reclamation                          | 11.8                      | 11.9               | 6.3                 | 2,900                    | 2,676              | 1,329               |
| River, harbor, and flood control     | 21.5                      | 23.7               | 16.4                | 4,431                    | 5,033              | 3,121               |
| Streets and highways                 | 25.9                      | 28.6               | 8.4                 | 4,657                    | 5,537              | 1,502               |
| Water and sewer systems              | 1.0                       | 1.0                | 1.5                 | 184                      | 177                | 269                 |
| Miscellaneous                        | 4.3                       | 4.7                | 2.4                 | 849                      | 913                | 402                 |
| Non-Federal projects                 | 1,203.2                   | 1,253.7            | 1,101.7             | 4/                       | 4/                 | 4/                  |
| Buildings                            | 903.7                     | 936.4              | 858.8               | 219,600                  | 244,400            | 188,936             |
| Residential                          | 413.7                     | 435.7              | 349.6               | 4/                       | 4/                 | 4/                  |
| Nonresidential                       | 490.0                     | 500.7              | 509.2               | 4/                       | 4/                 | 4/                  |
| Farm dwellings and service buildings | 68.5                      | 75.7               | 60.0                | 4/                       | 4/                 | 4/                  |
| Public utilities                     | 139.2                     | 137.7              | 100.5               | 4/                       | 4/                 | 4/                  |
| Streets and highways                 | 36.0                      | 39.0               | 27.0                | 4/                       | 4/                 | 4/                  |
| State                                | 13.0                      | 15.1               | 8.2                 | 4/                       | 4/                 | 4/                  |
| County and municipal                 | 23.0                      | 23.9               | 18.8                | 4/                       | 4/                 | 4/                  |
| Miscellaneous                        | 55.8                      | 64.9               | 55.4                | 4/                       | 4/                 | 4/                  |
| Other 9/                             | 197.7                     | 209.7              | 178.9               | 4/                       | 4/                 | 4/                  |
| Maintenance of State roads 10/       | 98.0                      | 102.2              | 92.0                | 4/                       | 4/                 | 4/                  |

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: February 1946, 16,419, \$3,164,980; January 1947, 21,492, \$4,145,685; February 1947, 20,773, \$4,147,449. These employees are also included under the Federal executive service (table 9); 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: February 1946, 4,500; January 1947, 1,200; February 1947, 1,200.

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 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 Construction Division

Table 13  
Estimated Number of Production Workers and Indexes of Production-Worker  
Employment and Pay Rolls in Manufacturing Industries, 1945 and 1946 1/

| Industry Group<br>and Industry   | Estimated Pro-<br>duction Workers<br>(thousands) |        | Indexes (1939 = 100) |       |       |       |
|--|--|--------|----------------------|-------|-------|-------|
|  | 1946   | 1945   | 1946                 | 1945  | 1946  | 1945  |
| ALL MANUFACTURING  | 11,630   | 12,437 | 142.0                | 151.8 | 266.4 | 293.4 |
| DURABLE GOODS  | 5,805  | 6,951  | 160.8                | 192.5 | 289.3 | 374.7 |
| NONDURABLE GOODS   | 5,825  | 5,485  | 127.2                | 119.7 | 244.1 | 214.0 |
| Durable Goods  |  |        |                      |       |       |       |
| IRON AND STEEL AND THEIR PRODUCTS                                      | 1,394  | 1,565  | 140.6                | 157.8 | 242.8 | 285.4 |
| Blast furnaces, steel works,<br>and rolling mills                      | 440.7  | 458.0  | 113.5                | 117.9 | 180.7 | 206.0 |
| Gray-iron and semi-steel<br>castings                                   | 79.2   | 71.4   | 135.6                | 122.1 | 270.7 | 243.2 |
| Malleable-iron castings  | 23.1   | 23.7   | 127.9                | 131.4 | 259.3 | 264.0 |
| Steel castings   | 47.7   | 62.5   | 158.5                | 207.6 | 274.4 | 369.9 |
| Cast-iron pipe and fittings  | 17.4   | 15.1   | 105.2                | 91.6  | 215.9 | 181.1 |
| Tin cans and other tinware   | 39.7   | 39.7   | 125.1                | 125.0 | 225.1 | 213.8 |
| Wire drawn from purchased rods   | 27.6   | 30.3   | 125.4                | 138.0 | 204.0 | 223.6 |
| Wirework   | 36.6   | 31.7   | 120.3                | 104.3 | 229.0 | 203.4 |
| Cutlery and edge tools   | 24.9   | 22.9   | 161.8                | 148.7 | 344.7 | 301.8 |
| Tools (except edge tools, machine<br>tools, files, and saws)           | 24.8   | 25.1   | 162.3                | 164.3 | 315.0 | 306.7 |
| Hardware   | 44.6   | 41.6   | 125.0                | 116.6 | 244.3 | 234.6 |
| Plumbers' supplies   | 25.4   | 21.1   | 103.0                | 85.6  | 178.5 | 152.9 |
| Stoves, oil burners, and heating<br>equipment not elsewhere classified | 54.0   | 56.2   | 117.1                | 121.9 | 217.7 | 226.0 |
| Steam and hot-water heating<br>apparatus and steam fittings            | 45.6   | 48.5   | 150.6                | 160.2 | 275.6 | 297.1 |
| Stamped and enameled ware and<br>galvanizing                           | 74.7   | 77.1   | 134.5                | 138.9 | 260.5 | 274.5 |
| Fabricated structural and<br>ornamental metalwork                      | 50.5   | 56.8   | 142.1                | 159.8 | 240.7 | 287.7 |
| Metal doors, sash, frames,<br>molding, and trim                        | 8.6  | 8.9    | 111.7                | 114.9 | 202.0 | 212.0 |
| Bolts, nuts, washers, and rivets                                       | 19.2   | 22.2   | 133.9                | 154.9 | 227.6 | 297.8 |
| Forgings, iron and steel   | 25.8   | 30.6   | 167.8                | 199.2 | 292.8 | 375.8 |
| Wrought pipe, welded and<br>heavy riveted                              | 12.2   | 19.9   | 146.0                | 238.3 | 247.6 | 473.5 |
| Screw-machine products and<br>wood screws                              | 27.5   | 35.5   | 162.8                | 209.8 | 312.4 | 405.1 |
| Steel barrels, kegs, and drums   | 5.6  | 7.5    | 91.6                 | 123.0 | 191.6 | 239.3 |
| Firearms   | 13.0   | 21.7   | 260.2                | 433.8 | 501.5 | 927.7 |
| ELECTRICAL MACHINERY   | 509  | 638    | 196.6                | 246.4 | 342.4 | 437.6 |
| Electrical equipment   | 269.3  | 369.6  | 149.0                | 204.5 | 253.2 | 364.0 |
| Radios and phonographs   | 78.2   | 94.0   | 179.8                | 216.0 | 345.2 | 408.8 |
| Communication equipment  | 82.5   | 89.9   | 256.8                | 280.0 | 449.3 | 465.6 |

Table 13 - Estimated Number of Production Workers and Indexes of Employment and Pay Rolls in Manufacturing Industries for 1945 and 1946 1/

| Industry Group<br>and Industry  | Estimated Pro-<br>duction Workers<br>(thousands) |       | Indexes (1939 = 100) |        |           |        |
|---|--|-------|----------------------|--------|-----------|--------|
|   |  |       | Employment           |        | Pay Rolls |        |
|   | 1946   | 1945  | 1946                 | 1945   | 1946      | 1945   |
| MACHINERY, EXCEPT ELECTRICAL  | 1,044  | 1,108 | 197.6                | 209.9  | 341.7     | 378.8  |
| Machinery and machine-shop products                                   | 348.2  | 398.0 | 172.1                | 196.7  | 299.4     | 350.0  |
| Engines and turbines  | 39.2   | 56.6  | 210.3                | 303.3  | 399.2     | 589.7  |
| Tractors  | 47.9   | 53.5  | 153.2                | 171.2  | 227.4     | 262.1  |
| Agricultural machinery, excluding tractors                            | 38.7   | 40.8  | 139.1                | 146.6  | 237.2     | 283.0  |
| Machine tools   | 59.7   | 66.7  | 163.1                | 182.0  | 272.2     | 320.0  |
| Machine-tool accessories  | 48.2   | 56.7  | 191.5                | 225.2  | 310.2     | 374.1  |
| Textile machinery   | 31.4   | 26.0  | 143.1                | 118.5  | 268.8     | 222.7  |
| Pumps and pumping equipment   | 54.3   | 63.0  | 224.2                | 260.1  | 413.9     | 525.1  |
| Typewriters   | 18.6   | 12.9  | 115.0                | 79.8   | 221.3     | 156.8  |
| Cash registers, adding and calculating machines                       | 33.0   | 27.8  | 167.9                | 141.1  | 303.9     | 260.9  |
| Washing machines, wringers and driers, domestic                       | 10.9   | 10.7  | 145.4                | 143.3  | 245.4     | 251.2  |
| Sewing machines, domestic and industrial                              | 9.5  | 9.6   | 121.0                | 122.1  | 228.6     | 249.8  |
| Refrigerators and refrigeration equipment                             | 55.8   | 45.2  | 158.6                | 128.5  | 254.9     | 221.0  |
| TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES                          |  |       |                      |        |           |        |
| Locomotives   | 480  | 1,439 | 302.7                | 938.4  | 549.1     | 1909.5 |
| Cars, electric- and steam-railroad                                    | 22.8   | 31.4  | 355.0                | 484.8  | 715.2     | 1046.0 |
| Aircraft and parts, excluding aircraft engines                        | 45.9   | 53.1  | 187.1                | 216.5  | 345.1     | 414.1  |
| Aircraft engines  | 129.9  | 421.3 | 327.5                | 1062.0 | 601.6     | 2040.8 |
| Shipbuilding and boatbuilding   | 26.0   | 136.5 | 292.2                | 1535.4 | 460.8     | 2578.6 |
| Motorcycles, bicycles, and parts                                      | 180.5  | 605.8 | 260.7                | 961.5  | 462.1     | 2016.8 |
| AUTOMOBILES   | 10.2   | 8.6   | 146.0                | 123.5  | 257.5     | 226.4  |
|   | 661  | 605   | 164.3                | 150.4  | 262.7     | 253.8  |
| NONFERROUS METALS AND THEIR PRODUCTS                                  | 377  | 387   | 164.5                | 168.9  | 299.8     | 313.7  |
| Smelting and refining, primary, of nonferrous metals                  | 34.1   | 37.7  | 125.4                | 136.3  | 219.5     | 250.8  |
| Alloying and rolling and drawing of nonferrous metals except aluminum | 55.9   | 63.4  | 144.0                | 163.2  | 258.4     | 302.5  |
| Clocks and watches  | 26.5   | 23.7  | 130.8                | 116.8  | 267.3     | 238.0  |
| Jewelry (precious metals) and jewelers' findings                      | 17.1   | 13.6  | 118.1                | 94.1   | 220.8     | 165.9  |
| Silverware and plated ware  | 13.9   | 10.7  | 114.4                | 88.5   | 231.2     | 162.8  |
| Lighting equipment  | 26.5   | 23.2  | 129.2                | 113.5  | 219.4     | 196.9  |
| Aluminum manufactures   | 45.7   | 57.0  | 194.2                | 242.2  | 325.6     | 420.0  |
| Sheet-metal work, not elsewhere classified                            | 24.6   | 28.0  | 131.2                | 149.2  | 246.5     | 281.1  |

Table 13  
Estimated Number of Production Workers and Indexes of Production-Worker  
Employment and Pay Rolls in Manufacturing Industries, 1945 and 1946 1/

| Industry Group<br>and Industry                               | Estimated Pro-<br>duction Workers<br>(thousands) |       | Indexes (1939 = 100) |       |          |       |
|--|--|-------|----------------------|-------|----------|-------|
|  |  |       | Employment           |       | Pay Roll |       |
|  | 1946   | 1945  | 1946                 | 1945  | 1946     | 1945  |
| LUMBER AND TIMBER BASIC PRODUCTS                             | 549  | 488   | 130.6                | 116.2 | 253.9    | 209.5 |
| Sawmills and logging camps                                   | 222.8  | 210.3 | 77.4                 | 73.0  | 150.5    | 132.8 |
| Planing and plywood mills                                    | 70.9   | 66.3  | 97.7                 | 91.2  | 183.4    | 156.5 |
| FURNITURE AND FINISHED LUMBER PRODUCTS                       | 393  | 344   | 119.9                | 104.9 | 237.9    | 193.0 |
| Mattresses and bedsprings                                    | 20.5   | 16.7  | 112.0                | 91.1  | 208.4    | 160.1 |
| Furniture  | 160.6  | 144.0 | 100.9                | 90.4  | 199.5    | 165.8 |
| Wooden boxes, other than cigar                               | 24.9   | 25.4  | 98.4                 | 100.2 | 208.5    | 198.4 |
| Caskets and other morticians' goods                          | 13.3   | 11.9  | 106.8                | 95.7  | 189.9    | 163.9 |
| Wood preserving  | 12.1   | 10.2  | 107.7                | 90.7  | 241.7    | 197.4 |
| Wood, turned and shaped                                      | 22.7   | 20.9  | 103.2                | 95.2  | 207.1    | 173.1 |
| STONE, CLAY AND GLASS PRODUCTS                               | 397  | 325   | 135.2                | 110.6 | 243.5    | 188.0 |
| Glass and glassware  | 101.3  | 85.5  | 145.1                | 122.4 | 250.6    | 195.2 |
| Glass products made from purchased glass                     | 11.9   | 10.7  | 118.9                | 106.4 | 220.1    | 183.8 |
| Cement   | 26.6   | 17.9  | 111.5                | 75.2  | 183.4    | 122.4 |
| Brick, tile, and terra cotta                                 | 59.1   | 42.7  | 104.1                | 75.3  | 197.5    | 126.6 |
| Pottery and related products                                 | 45.7   | 38.7  | 138.0                | 116.9 | 236.1    | 184.4 |
| Gypsum   | 5.5  | 4.1   | 110.8                | 83.8  | 203.4    | 144.5 |
| Wallboard, plaster (except gypsum), and mineral wool         | 10.3   | 9.4   | 127.1                | 115.4 | 255.2    | 216.7 |
| Lime   | 8.7  | 7.6   | 91.6                 | 80.5  | 200.7    | 161.8 |
| Marble, granite, slate, and other products                   | 16.3   | 13.3  | 88.0                 | 71.6  | 142.3    | 111.2 |
| Abrasives  | 18.6   | 19.6  | 240.7                | 252.9 | 390.5    | 429.7 |
| Asbestos products  | 18.5   | 18.4  | 116.7                | 115.8 | 243.5    | 236.9 |
| <b>Nondurable Goods</b>                                      |  |       |                      |       |          |       |
| TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES           | 1,187  | 1,072 | 103.8                | 93.7  | 222.3    | 173.6 |
| Cotton manufactures, except small wares                      | 449.1  | 414.7 | 113.4                | 104.7 | 259.3    | 204.6 |
| Cotton small wares   | 14.1   | 13.2  | 106.2                | 99.0  | 213.0    | 186.3 |
| Silk and rayon goods   | 91.7   | 86.3  | 76.5                 | 72.0  | 173.2    | 139.4 |
| Woolen and worsted manufactures, except dyeing and finishing | 158.1  | 141.4 | 105.9                | 94.7  | 235.6    | 184.5 |
| Hosiery  | 113.3  | 98.3  | 71.3                 | 61.8  | 137.0    | 101.0 |
| Knitted cloth  | 11.1   | 10.1  | 101.4                | 92.7  | 208.7    | 169.3 |
| Knitted outerwear and knitted gloves                         | 30.6   | 27.6  | 108.8                | 98.1  | 229.7    | 184.9 |
| Knitted underwear  | 34.9   | 33.5  | 90.6                 | 86.9  | 190.7    | 162.8 |
| Dyeing and finishing textiles, including woolen and worsted  | 63.4   | 57.1  | 94.8                 | 85.3  | 185.5    | 147.0 |
| Carpets and rugs, wool                                       | 23.7   | 19.2  | 92.6                 | 75.0  | 171.9    | 128.9 |
| Hats, fur-felt   | 10.9   | 9.3   | 75.0                 | 63.8  | 165.6    | 124.8 |
| Jute goods, except felts                                     | 3.8  | 3.3   | 105.1                | 92.8  | 223.9    | 183.1 |
| Cordage and twine  | 14.9   | 14.5  | 122.9                | 119.5 | 244.8    | 227.2 |

Table 13. - Estimated Number of Production Workers and Indexes of Employment and Pay Rolls in Manufacturing Industries for 1945 and 1946 1/

| Industry Group<br>and Industry              | Estimated Pro-<br>duction Workers<br>(thousands) |       | Indexes (1939 = 100) |       |           |       |
|---|--|-------|----------------------|-------|-----------|-------|
|   |  |       | Employment           |       | Pay Rolls |       |
|   | 1946   | 1945  | 1946                 | 1945  | 1946      | 1945  |
| <b>APPAREL AND OTHER FINISHED</b>           |  |       |                      |       |           |       |
| TEXTILE PRODUCTS                            | 1,016  | 914   | 128.7                | 115.8 | 262.2     | 209.0 |
| Men's clothing, not elsewhere classified    | 194.2  | 190.3 | 88.8                 | 87.1  | 179.2     | 153.7 |
| Shirts, collars, and nightwear              | 53.8   | 49.0  | 76.3                 | 69.5  | 162.5     | 127.2 |
| Underwear and neckwear, men's               | 12.0   | 11.6  | 74.4                 | 72.1  | 175.0     | 147.6 |
| Work shirts                                 | 13.4   | 13.9  | 99.7                 | 103.2 | 213.5     | 197.4 |
| Women's clothing, not elsewhere classified  | 211.9  | 201.8 | 78.0                 | 74.3  | 161.5     | 136.3 |
| Corsets and allied garments                 | 16.0   | 14.2  | 84.9                 | 75.9  | 165.6     | 133.6 |
| Millinery                                   | 18.7   | 18.2  | 76.8                 | 75.1  | 131.6     | 122.2 |
| Handkerchiefs                               | 2.3  | 2.5   | 48.5                 | 52.2  | 103.8     | 97.4  |
| Curtains, draperies, and bedspreads         | 13.4   | 10.6  | 79.1                 | 62.8  | 166.4     | 126.4 |
| Housefurnishings, other than curtains, etc. | 10.6   | 10.3  | 100.0                | 96.9  | 196.6     | 177.0 |
| Textile bags                                | 13.8   | 14.6  | 114.7                | 121.7 | 205.4     | 207.5 |
| <b>LEATHER AND LEATHER PRODUCTS</b>         |  |       |                      |       |           |       |
| Leather                                     | 356  | 318   | 102.6                | 91.6  | 201.9     | 168.6 |
| Boot and shoe cut-stock and findings        | 42.8   | 39.4  | 90.5                 | 83.5  | 162.5     | 148.8 |
| Boots and shoes                             | 17.9   | 16.2  | 94.8                 | 85.7  | 170.9     | 146.4 |
| Leather gloves and mittens                  | 191.4  | 171.1 | 87.8                 | 78.5  | 179.7     | 148.1 |
| Trunks and suitcases                        | 11.3   | 11.5  | 112.7                | 115.3 | 214.1     | 202.7 |
| Food  | 14.2   | 12.3  | 169.6                | 147.3 | 316.5     | 248.0 |
| Slaughtering and meat packing               | 1,094  | 1,080 | 128.0                | 126.4 | 229.0     | 209.4 |
| Butter                                      | 132.0  | 133.6 | 109.6                | 110.8 | 183.5     | 181.7 |
| Condensed and evaporated milk               | 24.2   | 23.3  | 134.9                | 129.6 | 239.4     | 209.1 |
| Ice cream                                   | 14.0   | 14.5  | 143.9                | 149.8 | 265.6     | 253.4 |
| Flour                                       | 17.8   | 15.6  | 113.4                | 99.4  | 185.7     | 147.2 |
| Feeds, prepared                             | 29.7   | 29.9  | 119.8                | 120.9 | 229.0     | 210.9 |
| Cereal preparations                         | 21.9   | 22.2  | 142.2                | 144.0 | 259.9     | 250.8 |
| Baking                                      | 10.4   | 9.2   | 140.1                | 123.9 | 248.1     | 224.8 |
| Sugar refining, cane                        | 244.8  | 253.8 | 106.1                | 110.0 | 184.3     | 173.5 |
| Sugar, beet                                 | 13.2   | 13.8  | 93.4                 | 97.7  | 150.3     | 155.3 |
| Confectionery                               | 9.0  | 8.6   | 86.6                 | 82.6  | 157.7     | 126.9 |
| Beverages, nonalcoholic                     | 51.9   | 54.4  | 104.4                | 109.4 | 195.6     | 187.6 |
| Malt liquors                                | 23.8   | 25.5  | 111.8                | 119.8 | 163.9     | 161.9 |
| Canning and preserving                      | 52.6   | 52.1  | 145.9                | 144.4 | 224.5     | 217.1 |
| TOBACCO MANUFACTURES                        | 135.1  | 132.6 | 100.5                | 98.6  | 234.4     | 195.5 |
| Cigarettes                                  | 86   | 82    | 92.0                 | 87.4  | 187.1     | 164.7 |
| Cigars                                      | 33.3   | 34.5  | 121.6                | 125.7 | 219.5     | 203.5 |
| Tobacco (chewing and smoking) and snuff     | 39.1   | 33.3  | 76.7                 | 65.5  | 170.5     | 136.6 |
|   | 7.6  | 8.5   | 82.8                 | 92.8  | 143.5     | 154.1 |

Table 13. - Estimated Number of Production Workers and Indexes of Employment and Pay Rolls in Manufacturing Industries for 1945 and 1946 1/

| Industry Group<br>and Industry  | Estimated Pro-<br>duction Workers<br>(thousands) |       | Indexes (1939 = 100) |        |           |        |
|---|--|-------|----------------------|--------|-----------|--------|
|   |  |       | Employment           |        | Pay Rolls |        |
|   | 1946   | 1945  | 1946                 | 1945   | 1946      | 1945   |
| PAPER AND ALLIED PRODUCTS   | 367  | 321   | 138.1                | 120.8  | 250.5     | 204.3  |
| Paper and pulp  | 165.6  | 145.5 | 120.5                | 105.8  | 220.3     | 183.3  |
| Paper goods, other  | 46.4   | 43.4  | 123.2                | 115.4  | 219.8     | 189.9  |
| Envelopes   | 10.4   | 9.4   | 119.1                | 108.7  | 205.9     | 171.6  |
| Paper bags  | 14.5   | 12.7  | 130.4                | 114.3  | 240.8     | 201.3  |
| Paper boxes   | 86.7   | 77.5  | 125.3                | 112.1  | 227.8     | 184.7  |
| PRINTING, PUBLISHING, AND ALLIED INDUSTRIES                           | 396  | 336   | 120.7                | 102.4  | 194.8     | 148.2  |
| Newspapers and periodicals  | 130.0  | 111.8 | 109.6                | 94.2   | 165.5     | 126.1  |
| Printing, book and job  | 157.6  | 134.9 | 124.7                | 106.8  | 209.0     | 162.0  |
| Lithographing   | 28.9   | 24.7  | 111.2                | 94.9   | 178.4     | 140.5  |
| Bookbinding   | 31.5   | 27.5  | 122.4                | 106.8  | 244.3     | 187.1  |
| CHEMICALS AND ALLIED PRODUCTS   | 534  | 632   | 185.3                | 219.3  | 323.6     | 383.1  |
| Paints, varnishes, and colors   | 55.3   | 29.8  | 125.3                | 106.0  | 198.5     | 169.8  |
| Drugs, medicines, and insecticides                                    | 51.8   | 49.1  | 188.9                | 179.2  | 312.9     | 274.3  |
| Perfumes and cosmetics  | 12.2   | 12.3  | 118.1                | 110.0  | 192.7     | 173.0  |
| Soap  | 14.0   | 13.3  | 103.0                | 97.9   | 172.0     | 165.7  |
| Rayon and allied products   | 56.5   | 54.5  | 121.1                | 112.9  | 204.0     | 184.0  |
| Chemicals, not elsewhere classified                                   | 117.5  | 113.2 | 168.8                | 162.8  | 286.8     | 284.8  |
| Explosives and safety fuses   | 13.6   | 72.2  | 187.0                | 996.1  | 295.0     | 1509.7 |
| Compressed and liquefied gases  | 5.6  | 5.8   | 142.0                | 146.6  | 233.5     | 254.8  |
| Ammunition, small-arms  | 7.5  | 44.3  | 174.8                | 1040.1 | 336.9     | 2049.0 |
| Fireworks   | 3.0  | 15.3  | 256.0                | 1319.1 | 651.0     | 3637.8 |
| Cottonseed oil  | 13.9   | 15.8  | 91.6                 | 104.3  | 210.4     | 222.1  |
| Fertilizers   | 24.0   | 22.6  | 128.0                | 120.6  | 300.0     | 276.4  |
| PRODUCTS OF PETROLEUM AND COAL  | 152  | 157   | 143.4                | 129.7  | 243.7     | 227.6  |
| Petroleum refining  | 98.4   | 92.0  | 135.2                | 126.3  | 224.1     | 216.8  |
| Coke and by-products  | 24.5   | 22.1  | 112.9                | 101.7  | 200.1     | 183.8  |
| Paving materials  | 1.9  | 1.6   | 78.0                 | 67.5   | 150.7     | 131.7  |
| Roofing materials   | 11.8   | 9.6   | 146.1                | 118.8  | 275.4     | 215.9  |
| RUBBER PRODUCTS   | 223  | 196   | 184.1                | 161.9  | 335.2     | 289.4  |
| Rubber tires and inner tubes  | 105.2  | 90.5  | 194.3                | 167.1  | 317.8     | 279.8  |
| Rubber boots and shoes  | 17.9   | 16.5  | 120.7                | 111.2  | 233.2     | 207.0  |
| Rubber goods, other   | 70.5   | 66.6  | 136.2                | 128.6  | 262.6     | 234.8  |
| MISCELLANEOUS INDUSTRIES  | 416  | 398   | 170.1                | 162.7  | 318.9     | 308.6  |
| Instruments (professional and scientific), and fire control equipment | 21.4   | 45.9  | 193.4                | 414.9  | 331.3     | 770.8  |
| Photographic apparatus  | 24.3   | 25.4  | 140.8                | 147.0  | 230.6     | 243.2  |
| Optical instruments and ophthalmic goods                              | 21.2   | 21.6  | 182.2                | 185.8  | 317.0     | 314.5  |
| Pianos, organs, and parts   | 8.8  | 6.9   | 115.3                | 90.4   | 213.6     | 166.0  |
| Games, toys, and dolls  | 21.5   | 15.3  | 115.2                | 82.2   | 235.4     | 158.8  |
| Buttons   | 10.2   | 9.3   | 93.4                 | 84.4   | 199.3     | 170.5  |
| Fire extinguishers  | 2.1  | 3.8   | 213.0                | 379.4  | 428.4     | 817.6  |

Table 13

23.

Estimated Number of Production Workers and Indexes of Production-Worker-Employment and Pay Rolls in Manufacturing Industries, 1945 and 1946 1/

- 1/ Estimates and indexes for the major industry groups have been adjusted to levels indicated by the final 1945 data made available by the Bureau of Employment Security of the Federal Security Agency and supersede data shown in mimeographed releases dated prior to April 1947 and Monthly Labor Reviews dated prior to May 1947. Estimates and indexes for individual industries have been adjusted to levels indicated by the 1939 Census of Manufactures, but not to Federal Security Agency data. However, these are now in the process of being adjusted to more current levels. As the industries comprising a single group are revised, they will be released. Issuance of revisions will not be held pending completion of adjustments for all groups.

Source: Division of Employment Statistics (4-47)

Table 14  
Estimated Number of Employees and Indexes  
of Employment and Pay Rolls in Selected Nonmanufacturing Industries,  
1945 and 1946

| Industry Group<br>and Industry   | Number of<br>Employees<br>(thousands) |       | Indexes of         |       |           |       |
|----------------------------------|---------------------------------------|-------|--------------------|-------|-----------|-------|
|                                  | 1946                                  | 1945  | Employment         |       | Pay Rolls |       |
|                                  |                                       |       | 1946               | 1945  | 1946      | 1945  |
|                                  |                                       |       | 1939 average = 100 |       |           |       |
| Mining: 1/                       |                                       |       |                    |       |           |       |
| Anthracite                       | 67.6                                  | 60.1  | 81.6               | 72.6  | 181.1     | 137.9 |
| Bituminous coal                  | 307                                   | 322   | 82.7               | 86.9  | 202.8     | 195.9 |
| Metal:                           | 67.2                                  | 66.6  | 76.1               | 75.5  | 127.3     | 123.3 |
| Iron                             | 23.8                                  | 23.9  | 118.1              | 118.8 | 196.3     | 201.2 |
| Copper                           | 19.4                                  | 20.5  | 81.2               | 86.2  | 142.2     | 142.2 |
| Lead and zinc                    | 14.5                                  | 14.0  | 93.5               | 90.3  | 181.4     | 170.6 |
| Gold and silver                  | 7.2                                   | 5.6   | 29.0               | 22.6  | 41.5      | 29.2  |
| Miscellaneous                    | 2.3                                   | 2.6   | 58.5               | 65.1  | 92.9      | 106.1 |
| Quarrying and nonmetallic        | 2/                                    | 2/    | 96.2               | 80.2  | 200.8     | 152.9 |
| Crude petroleum<br>production 3/ | 2/                                    | 2/    | 92.9               | 84.0  | 147.0     | 135.2 |
| Public utilities:                |                                       |       |                    |       |           |       |
| Telephone                        | 543                                   | 419   | 170.9              | 131.8 | 253.4     | 177.4 |
| Telegraph                        | 42.9                                  | 45.4  | 114.0              | 120.5 | 180.0     | 176.7 |
| Electric light and power         | 243                                   | 205   | 99.4               | 84.2  | 148.2     | 120.1 |
| Street railways and busses       | 248                                   | 230   | 128.2              | 118.7 | 200.4     | 177.8 |
| Wholesale trade                  | 2/                                    | 2/    | 108.4              | 97.0  | 176.0     | 145.5 |
| Retail trade:                    |                                       |       |                    |       |           |       |
| Food                             | 2/                                    | 2/    | 105.6              | 104.1 | 172.0     | 145.5 |
| General merchandise              | 2/                                    | 2/    | 127.3              | 116.5 | 195.1     | 154.0 |
| Apparel                          | 2/                                    | 2/    | 115.0              | 108.6 | 187.4     | 156.0 |
| Furniture and housefurnishings   | 2/                                    | 2/    | 73.8               | 64.0  | 129.6     | 93.3  |
| Automotive                       | 2/                                    | 2/    | 92.5               | 71.8  | 155.5     | 110.7 |
| Lumber and building materials    | 2/                                    | 2/    | 109.7              | 93.5  | 179.0     | 139.8 |
| Hotels (year-round) 4/           | 385                                   | 359   | 119.3              | 111.3 | 207.0     | 174.8 |
| Power laundries                  | 2/                                    | 2/    | 110.6              | 106.4 | 187.5     | 165.4 |
| Cleaning and dyeing              | 2/                                    | 2/    | 125.7              | 119.1 | 220.4     | 191.9 |
| Class I steam railroads 5/       | 1,359                                 | 1,421 | 137.6              | 143.8 | 2/        | 2/    |

1/ Data are for production workers only.

2/ Not available.

3/ Does not include well drilling or rig building.

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

5/ Source: Interstate Commerce Commission.

Table 15. - Revised Estimates of Manufacturing Production  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 -  
 December 1946 1/

| Year<br>and<br>month | ALL MANUFACTURING DIVISIONS                     |                                     |                                    | DURABLE GOODS DIVISION                          |                                     |                                    |
|----------------------|---|-------------------------------------|------------------------------------|---|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers | Indexes<br>(1939 average = 100)     |                                    |
|                      |   | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |   | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| (thousands)          |   |                                     | (thousands)                        |   |                                     |                                    |
| 1945                 | 12,437  | 151.8                               | 293.4                              | 6,951   | 192.5                               | 374.7                              |
| 1946                 | 11,630  | 142.0                               | 266.4                              | 5,805   | 160.8                               | 289.3                              |
| <u>1945</u>          |   |                                     |                                    |   |                                     |                                    |
| Jan..                | 13,783  | 168.2                               | 347.0                              | 8,194   | 226.9                               | 476.9                              |
| Feb..                | 13,819  | 168.7                               | 347.5                              | 8,219   | 227.6                               | 476.7                              |
| Mar..                | 13,739  | 167.7                               | 345.7                              | 8,150   | 225.7                               | 472.1                              |
| Apr..                | 13,537  | 165.2                               | 338.5                              | 8,001   | 221.6                               | 460.6                              |
| May..                | 13,310  | 162.5                               | 324.9                              | 7,816   | 216.4                               | 438.1                              |
| June.                | 13,105  | 160.0                               | 321.8                              | 7,582   | 210.0                               | 426.4                              |
| July..               | 12,743  | 155.6                               | 306.6                              | 7,279   | 201.6                               | 400.4                              |
| Aug..                | 12,431  | 151.7                               | 273.6                              | 6,983   | 193.4                               | 346.0                              |
| Sept.                | 10,718  | 130.8                               | 228.7                              | 5,362   | 148.5                               | 252.5                              |
| Oot..                | 10,639  | 129.9                               | 227.7                              | 5,281   | 146.2                               | 250.5                              |
| Nov..                | 10,692  | 130.5                               | 227.7                              | 5,310   | 147.1                               | 248.4                              |
| Dec..                | 10,725  | 130.9                               | 231.4                              | 5,239   | 145.1                               | 247.4                              |
| <u>1946</u>          |   |                                     |                                    |   |                                     |                                    |
| Jan..                | 10,864  | 132.6                               | 234.1                              | 5,342   | 147.9                               | 249.9                              |
| Feb..                | 10,147  | 123.9                               | 214.3                              | 4,522   | 125.2                               | 204.2                              |
| Mar..                | 10,819  | 132.1                               | 238.3                              | 5,118   | 141.7                               | 244.8                              |
| Apr..                | 11,347  | 138.5                               | 254.8                              | 5,629   | 155.9                               | 275.7                              |
| May..                | 11,433  | 139.6                               | 253.5                              | 5,740   | 159.0                               | 275.1                              |
| June.                | 11,623  | 141.9                               | 262.8                              | 5,865   | 162.4                               | 289.1                              |
| July..               | 11,767  | 143.6                               | 267.1                              | 5,984   | 165.7                               | 296.3                              |
| Aug..                | 12,101  | 147.7                               | 284.4                              | 6,160   | 170.6                               | 316.1                              |
| Sept.                | 12,244  | 149.5                               | 290.3                              | 6,249   | 173.1                               | 323.3                              |
| Oct..                | 12,253  | 149.6                               | 292.8                              | 6,281   | 173.9                               | 328.1                              |
| Nov..                | 12,449  | 152.0                               | 298.2                              | 6,379   | 176.7                               | 331.1                              |
| Dec..                | 12,514  | 152.8                               | 306.2                              | 6,393   | 177.0                               | 337.3                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
Workers and Indexes of Employment and Pay Rolls, by  
Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | NONDURABLE GOODS DIVISION                       |                                     |                                    | IRON AND STEEL AND THEIR PRODUCTS               |                                     |                                    |
|----------------------|---|-------------------------------------|------------------------------------|---|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers | Indexes<br>(1939 average = 100)     |                                    |
|                      |   | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |   | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| (thousands)          |   |                                     |                                    |   |                                     | (thousands)                        |
| 1945                 | 5,485   | 119.7                               | 214.0                              | 1,565   | 157.8                               | 285.4                              |
| 1946                 | 5,825   | 127.2                               | 244.1                              | 1,394   | 140.6                               | 242.8                              |
| <u>1945</u>          |   |                                     |                                    |   |                                     |                                    |
| Jan..                | 5,589   | 122.0                               | 220.0                              | 1,739.  | 175.4                               | 331.7                              |
| Feb..                | 5,600   | 122.2                               | 221.1                              | 1,761.  | 177.6                               | 335.8                              |
| Mar..                | 5,589   | 122.0                               | 222.2                              | 1,762   | 177.7                               | 339.2                              |
| Apr..                | 5,536   | 120.8                               | 219.1                              | 1,745.  | 176.0                               | 336.3                              |
| May..                | 5,494   | 119.9                               | 214.1                              | 1,730   | 174.5                               | 327.6                              |
| June.                | 5,523   | 120.6                               | 219.6                              | 1,685   | 169.9                               | 318.8                              |
| July.                | 5,464   | 119.3                               | 214.9                              | 1,616   | 163.0                               | 301.1                              |
| Aug..                | 5,448   | 118.9                               | 202.8                              | 1,547   | 156.0                               | 264.0                              |
| Sept.                | 5,356   | 116.9                               | 205.5                              | 1,278   | 128.9                               | 212.5                              |
| Oct..                | 5,358   | 117.0                               | 205.4                              | 1,279   | 129.0                               | 213.4                              |
| Nov..                | 5,382   | 117.5                               | 207.4                              | 1,296   | 130.7                               | 216.8                              |
| Dec..                | 5,486   | 119.8                               | 215.7                              | 1,337   | 134.9                               | 227.5                              |
| <u>1946</u>          |   |                                     |                                    |   |                                     |                                    |
| Jan..                | 5,522   | 120.5                               | 218.7                              | 1,358   | 136.9                               | 223.7                              |
| Feb..                | 5,625   | 122.8                               | 224.1                              | 877   | 88.4                                | 132.6                              |
| Mar..                | 5,701   | 124.4                               | 232.1                              | 1,313   | 132.4                               | 225.1                              |
| Apr..                | 5,718   | 124.8                               | 234.4                              | 1,395   | 140.7                               | 242.1                              |
| May..                | 5,693   | 124.3                               | 232.3                              | 1,380   | 139.1                               | 232.3                              |
| June.                | 5,758   | 125.7                               | 237.0                              | 1,403   | 141.5                               | 240.3                              |
| July.                | 5,783   | 126.2                               | 238.5                              | 1,445   | 145.7                               | 247.5                              |
| Aug..                | 5,941   | 129.7                               | 253.4                              | 1,490   | 150.2                               | 265.9                              |
| Sept.                | 5,995   | 130.9                               | 258.1                              | 1,514   | 152.7                               | 273.6                              |
| Oct..                | 5,972   | 130.4                               | 258.3                              | 1,500   | 151.2                               | 273.7                              |
| Nov..                | 6,070   | 132.5                               | 266.0                              | 1,535   | 154.9                               | 280.8                              |
| Dec..                | 6,121   | 133.6                               | 275.8                              | 1,521   | 153.4                               | 276.2                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production.  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | ELECTRICAL MACHINERY   |                                     |                                    | MACHINERY, EXCEPT ELECTRICAL                                   |                                     |                                   |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|-----------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                   |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production<br>worker<br>pay rolls |
| 1945                 | 638  | 246.4                               | 437.6                              | 1,109  | 209.9                               | 378.8                             |
| 1946                 | 509  | 196.6                               | 342.4                              | 1,044  | 197.6                               | 341.7                             |
| 1945                 |  |                                     |                                    |  |                                     |                                   |
| Jan...               | 733  | 282.8                               | 530.3                              | 1,221  | 231.1                               | 442.9                             |
| Feb...               | 736  | 284.1                               | 534.0                              | 1,232  | 233.1                               | 448.8                             |
| Mar...               | 738  | 284.7                               | 537.2                              | 1,226  | 232.1                               | 446.0                             |
| Apr...               | 731  | 281.9                               | 529.0                              | 1,210  | 228.9                               | 435.8                             |
| May...               | 723  | 278.9                               | 514.0                              | 1,194  | 225.9                               | 415.8                             |
| June...              | 713  | 275.2                               | 505.8                              | 1,180  | 223.4                               | 420.4                             |
| July...              | 683  | 263.7                               | 478.0                              | 1,148  | 217.2                               | 399.2                             |
| Aug...               | 663  | 255.8                               | 413.8                              | 1,116  | 211.3                               | 351.7                             |
| Sept...              | 460  | 177.6                               | 278.0                              | 944  | 178.6                               | 294.4                             |
| Oct...               | 483  | 186.5                               | 299.3                              | 940  | 177.8                               | 294.3                             |
| Nov...               | 496  | 191.5                               | 312.6                              | 941  | 178.2                               | 293.1                             |
| Dec...               | 502  | 193.6                               | 319.5                              | 959  | 181.5                               | 303.5                             |
| 1946                 |  |                                     |                                    |  |                                     |                                   |
| Jan...               | 493  | 190.4                               | 313.5                              | 991  | 187.5                               | 308.5                             |
| Feb...               | 353  | 136.1                               | 214.2                              | 861  | 163.0                               | 264.0                             |
| Mar...               | 380  | 146.6                               | 252.3                              | 910  | 172.3                               | 287.3                             |
| Apr...               | 461  | 177.9                               | 296.6                              | 983  | 186.1                               | 312.9                             |
| May...               | 503  | 194.2                               | 323.0                              | 1,025  | 194.1                               | 322.5                             |
| June...              | 521  | 201.2                               | 347.9                              | 1,049  | 198.6                               | 342.0                             |
| July...              | 526  | 203.2                               | 351.0                              | 1,066  | 201.8                               | 346.2                             |
| Aug...               | 545  | 210.5                               | 378.9                              | 1,092  | 206.6                               | 362.2                             |
| Sept...              | 563  | 217.3                               | 397.2                              | 1,112  | 210.3                               | 376.2                             |
| Oct...               | 579  | 223.4                               | 408.1                              | 1,131  | 214.0                               | 388.0                             |
| Nov...               | 590  | 227.6                               | 416.0                              | 1,150  | 217.7                               | 390.1                             |
| Dec...               | 597  | 230.6                               | 430.2                              | 1,161  | 219.6                               | 399.9                             |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | TRANSPORTATION EQUIPMENT, EXCEPT<br>AUTOMOBILES                |                                     |                                    | AUTOMOBILES  |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 1,489  | 938.4                               | 1909.5                             | 605  | 150.4                               | 253.8                              |
|                      | 480  | 302.7                               | 549.1                              | 661  | 164.3                               | 262.7                              |
| <u>1945</u>          |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 2,185  | 1376.6                              | 2993.6                             | 716  | 177.9                               | 335.4                              |
| Feb..                | 2,157  | 1359.2                              | 2912.7                             | 719  | 178.7                               | 337.5                              |
| Mar..                | 2,094  | 1319.5                              | 2812.8                             | 711  | 176.8                               | 330.8                              |
| Apr..                | 2,007  | 1264.3                              | 2671.9                             | 706  | 175.4                               | 324.4                              |
| May..                | 1,879  | 1184.1                              | 2460.6                             | 683  | 169.8                               | 300.2                              |
| June.                | 1,735  | 1093.3                              | 2295.4                             | 662  | 164.6                               | 290.8                              |
| July.                | 1,637  | 1031.3                              | 2145.9                             | 624  | 155.0                               | 262.7                              |
| Aug..                | 1,522  | 958.9                               | 1805.8                             | 577  | 143.3                               | 190.2                              |
| Sept.                | 816  | 514.0                               | 873.9                              | 441  | 109.6                               | 156.6                              |
| Oct..                | 691  | 435.3                               | 738.8                              | 477  | 118.5                               | 177.9                              |
| Nov..                | 594  | 374.2                               | 604.4                              | 544  | 135.2                               | 199.1                              |
| Dec..                | 556  | 350.1                               | 598.0                              | 402  | 99.9                                | 140.4                              |
| <u>1946</u>          |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 538  | 338.7                               | 579.3                              | 431  | 107.2                               | 159.1                              |
| Feb..                | 484  | 305.1                               | 509.4                              | 430  | 106.8                               | 147.6                              |
| Mar..                | 476  | 299.9                               | 525.5                              | 464  | 115.3                               | 173.0                              |
| Apr..                | 504  | 317.6                               | 578.7                              | 646  | 160.5                               | 250.7                              |
| May..                | 491  | 309.2                               | 558.3                              | 675  | 167.8                               | 241.4                              |
| June.                | 479  | 301.6                               | 557.5                              | 693  | 172.3                               | 259.9                              |
| July.                | 476  | 299.9                               | 558.7                              | 725  | 180.2                               | 292.8                              |
| Aug..                | 468  | 294.7                               | 553.1                              | 755  | 187.8                               | 319.0                              |
| Sept.                | 455  | 286.8                               | 524.1                              | 788  | 196.0                               | 330.3                              |
| Oct..                | 457  | 287.8                               | 542.3                              | 774  | 192.3                               | 324.3                              |
| Nov..                | 464  | 292.4                               | 531.1                              | 778  | 193.3                               | 325.7                              |
| Dec..                | 473  | 298.2                               | 571.2                              | 774  | 192.3                               | 328.9                              |

Source: Division of Employment Statistics (4-4)

Table 15. - Revised Estimates of Manufacturing Production  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | NONFERROUS METALS AND THEIR PRODUCTS                           |                                     |                                    | LUMBER AND TIMBER BASIC PRODUCTS                               |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 387  | 168.9                               | 313.7                              | 488  | 116.2                               | 209.5                              |
| 1946                 | 377  | 164.5                               | 299.8                              | 549  | 130.6                               | 253.9                              |
| <u>1945</u>          |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 417  | 182.0                               | 354.2                              | 508  | 120.9                               | 217.8                              |
| Feb..                | 426  | 185.8                               | 362.1                              | 509  | 121.0                               | 222.0                              |
| Mar..                | 432  | 188.7                               | 369.9                              | 506  | 120.5                               | 221.5                              |
| Apr..                | 432  | 188.6                               | 367.7                              | 496  | 118.0                               | 222.1                              |
| May..                | 432  | 188.3                               | 356.6                              | 501  | 119.3                               | 222.8                              |
| June..               | 422  | 184.1                               | 348.8                              | 502  | 119.5                               | 230.1                              |
| July..               | 399  | 173.9                               | 324.9                              | 498  | 118.5                               | 211.8                              |
| Aug..                | 392  | 171.1                               | 302.8                              | 496  | 118.1                               | 207.6                              |
| Sept.                | 312  | 136.0                               | 230.4                              | 477  | 113.5                               | 202.3                              |
| Oct..                | 316  | 137.8                               | 233.1                              | 447  | 106.4                               | 186.8                              |
| Nov..                | 330  | 144.0                               | 251.1                              | 454  | 107.9                               | 182.7                              |
| Dec..                | 336  | 146.7                               | 257.3                              | 467  | 111.1                               | 186.9                              |
| <u>1946</u>          |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 343  | 149.6                               | 262.5                              | 482  | 114.5                               | 194.4                              |
| Feb..                | 294  | 128.2                               | 226.9                              | 487  | 116.0                               | 205.6                              |
| Mar..                | 324  | 141.4                               | 252.1                              | 499  | 118.6                               | 219.1                              |
| Apr..                | 352  | 153.4                               | 276.2                              | 521  | 123.8                               | 231.7                              |
| May..                | 360  | 157.0                               | 281.4                              | 537  | 127.8                               | 244.2                              |
| June..               | 378  | 161.9                               | 298.6                              | 553  | 131.6                               | 261.9                              |
| July..               | 392  | 171.2                               | 303.9                              | 561  | 133.5                               | 252.1                              |
| Aug..                | 406  | 177.3                               | 324.2                              | 584  | 139.0                               | 285.6                              |
| Sept.                | 411  | 179.5                               | 331.8                              | 533  | 138.6                               | 285.2                              |
| Oct..                | 417  | 182.0                               | 338.8                              | 590  | 140.4                               | 292.0                              |
| Nov..                | 422  | 184.0                               | 345.3                              | 599  | 142.4                               | 284.7                              |
| Dec..                | 426  | 185.8                               | 356.3                              | 592  | 140.8                               | 290.6                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | FURNITURE AND FINISHED LUMBER<br>PRODUCTS                      |                                     |                                    | STONE, CLAY, AND GLASS PRODUCTS                                |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 344  | 104.9                               | 193.0                              | 325  | 110.6                               | 188.0                              |
| 1946                 | 393  | 119.9                               | 237.9                              | 397  | 135.2                               | 243.5                              |
| <u>1945</u>          |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 351  | 106.9                               | 200.7                              | 324  | 110.4                               | 186.8                              |
| Feb..                | 355  | 108.3                               | 205.3                              | 324  | 110.5                               | 188.3                              |
| Mar..                | 355  | 108.2                               | 205.1                              | 326  | 111.1                               | 192.7                              |
| Apr..                | 351  | 106.9                               | 202.9                              | 323  | 109.9                               | 193.7                              |
| May..                | 351  | 107.0                               | 200.3                              | 323  | 109.9                               | 189.2                              |
| June.                | 354  | 107.8                               | 203.4                              | 329  | 112.2                               | 194.2                              |
| July.                | 348  | 106.2                               | 196.5                              | 326  | 111.1                               | 190.8                              |
| Aug..                | 344  | 104.7                               | 179.1                              | 326  | 111.1                               | 184.6                              |
| Sept.                | 316  | 96.2                                | 170.7                              | 318  | 108.4                               | 180.3                              |
| Oct..                | 320  | 97.5                                | 175.8                              | 328  | 111.7                               | 188.0                              |
| Nov..                | 334  | 101.8                               | 180.4                              | 321  | 109.3                               | 180.5                              |
| Dec..                | 351  | 106.9                               | 196.0                              | 329  | 112.0                               | 186.6                              |
| <u>1946</u>          |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 362  | 110.5                               | 201.1                              | 344  | 117.3                               | 190.4                              |
| Feb..                | 370  | 112.7                               | 208.9                              | 366  | 124.7                               | 210.0                              |
| Mar..                | 376  | 114.6                               | 217.9                              | 376  | 128.3                               | 223.1                              |
| Apr..                | 382  | 116.3                               | 223.9                              | 385  | 131.1                               | 230.3                              |
| May..                | 381  | 116.2                               | 221.6                              | 388  | 132.3                               | 230.2                              |
| June.                | 391  | 119.1                               | 233.3                              | 398  | 135.6                               | 241.4                              |
| July.                | 392  | 119.6                               | 231.9                              | 401  | 136.6                               | 242.2                              |
| Aug..                | 405  | 123.4                               | 250.0                              | 415  | 141.6                               | 260.1                              |
| Sept.                | 405  | 123.5                               | 254.4                              | 418  | 142.5                               | 267.0                              |
| Oct..                | 411  | 125.2                               | 264.2                              | 422  | 143.8                               | 271.3                              |
| Nov..                | 419  | 127.7                               | 268.5                              | 422  | 143.9                               | 274.8                              |
| Dec..                | 425  | 129.6                               | 279.1                              | 424  | 144.4                               | 281.6                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
Workers and Indexes of Employment and Pay Rolls, by  
Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | TEXTILE-MILL PRODUCTS AND OTHER<br>FIBER MANUFACTURES          |                                     |                                    | APPAREL AND OTHER FINISHED<br>TEXTILE PRODUCTS                 |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 1,072  | 93.7                                | 173.6                              | 914  | 115.8                               | 209.0                              |
|                      | 1,187  | 103.8                               | 222.3                              | 1,016  | 128.7                               | 262.2                              |
| 1945                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 1,109  | 97.0                                | 178.0                              | 934  | 118.3                               | 217.7                              |
| Feb..                | 1,101  | 96.3                                | 177.3                              | 940  | 119.1                               | 227.3                              |
| Mar..                | 1,093  | 95.6                                | 177.3                              | 944  | 119.5                               | 232.8                              |
| Apr..                | 1,072  | 93.8                                | 172.6                              | 930  | 117.8                               | 219.2                              |
| May..                | 1,062  | 92.9                                | 167.9                              | 915  | 115.9                               | 203.9                              |
| June..               | 1,068  | 93.4                                | 176.8                              | 912  | 115.5                               | 207.0                              |
| July..               | 1,047  | 91.6                                | 172.1                              | 865  | 109.6                               | 190.5                              |
| Aug..                | 1,045  | 91.4                                | 161.5                              | 888  | 112.4                               | 178.8                              |
| Sept..               | 1,046  | 91.4                                | 168.9                              | 896  | 113.5                               | 205.0                              |
| Oct..                | 1,051  | 91.9                                | 170.4                              | 912  | 115.6                               | 210.0                              |
| Nov..                | 1,057  | 92.4                                | 173.9                              | 914  | 115.8                               | 204.6                              |
| Dec..                | 1,107  | 96.8                                | 187.0                              | 923  | 116.9                               | 211.4                              |
| 1946                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 1,121  | 98.0                                | 189.6                              | 939  | 119.0                               | 224.2                              |
| Feb..                | 1,150  | 100.6                               | 202.5                              | 976  | 123.7                               | 236.1                              |
| Mar..                | 1,169  | 102.2                               | 211.4                              | 998  | 126.4                               | 259.1                              |
| Apr..                | 1,176  | 102.8                               | 214.4                              | 1,000  | 126.7                               | 259.0                              |
| May..                | 1,178  | 103.0                               | 213.5                              | 995  | 126.0                               | 254.2                              |
| June..               | 1,191  | 104.1                               | 217.2                              | 1,013  | 128.3                               | 258.6                              |
| July..               | 1,175  | 102.8                               | 213.3                              | 983  | 124.5                               | 240.3                              |
| Aug..                | 1,189  | 104.0                               | 229.4                              | 1,030  | 130.5                               | 272.5                              |
| Sept..               | 1,204  | 105.2                               | 235.5                              | 1,049  | 132.9                               | 283.0                              |
| Oct..                | 1,215  | 106.2                               | 241.1                              | 1,065  | 134.9                               | 283.6                              |
| Nov..                | 1,230  | 107.6                               | 246.0                              | 1,063  | 134.6                               | 283.2                              |
| Dec..                | 1,242  | 108.6                               | 253.7                              | 1,079  | 136.6                               | 292.7                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | LEATHER AND LEATHER PRODUCTS                                   |                                     |                                    | FOOD  |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|---|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production-<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |   | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 318  | 91.6                                | 168.6                              | 1,080   | 126.4                               | 209.4                              |
|                      | 356  | 102.6                               | 201.9                              | 1,094   | 128.0                               | 229.0                              |
| <u>1945</u>          |  |                                     |                                    |   |                                     |                                    |
| Jan..                | 319  | 91.9                                | 166.9                              | 1,050   | 122.9                               | 203.0                              |
| Feb..                | 319  | 91.9                                | 169.1                              | 1,038   | 121.5                               | 197.0                              |
| Mar..                | 318  | 91.8                                | 172.9                              | 1,024   | 119.9                               | 196.0                              |
| Apr..                | 315  | 90.8                                | 170.2                              | 1,025   | 119.9                               | 197.0                              |
| May..                | 314  | 90.5                                | 164.6                              | 1,021   | 119.5                               | 196.4                              |
| June..               | 319  | 92.0                                | 174.4                              | 1,046   | 122.4                               | 205.9                              |
| July..               | 315  | 90.9                                | 169.3                              | 1,110   | 129.9                               | 216.7                              |
| Aug..                | 316  | 91.0                                | 161.1                              | 1,121   | 131.2                               | 209.1                              |
| Sept.                | 307  | 88.6                                | 161.3                              | 1,201   | 140.5                               | 230.1                              |
| Oct..                | 316  | 90.9                                | 166.2                              | 1,133   | 132.6                               | 219.2                              |
| Nov..                | 323  | 93.1                                | 166.5                              | 1,101   | 128.9                               | 218.2                              |
| Dec..                | 333  | 95.9                                | 180.5                              | 1,095   | 128.1                               | 223.8                              |
| <u>1946</u>          |  |                                     |                                    |   |                                     |                                    |
| Jan..                | 340  | 98.1                                | 196.5                              | 1,067   | 124.9                               | 218.3                              |
| Feb..                | 351  | 101.1                               | 195.9                              | 1,061   | 124.1                               | 214.7                              |
| Mar..                | 358  | 103.1                               | 203.6                              | 1,050   | 122.8                               | 209.7                              |
| Apr..                | 358  | 103.3                               | 205.3                              | 1,039   | 121.6                               | 208.5                              |
| May..                | 359  | 103.4                               | 204.6                              | 1,024   | 119.9                               | 205.1                              |
| June..               | 360  | 103.8                               | 204.9                              | 1,033   | 120.9                               | 208.2                              |
| July..               | 357  | 103.0                               | 198.7                              | 1,119   | 131.0                               | 235.1                              |
| Aug..                | 356  | 102.7                               | 199.5                              | 1,184   | 138.6                               | 254.3                              |
| Sept.                | 358  | 103.1                               | 204.7                              | 1,175   | 137.5                               | 246.5                              |
| Oct..                | 355  | 102.2                               | 199.5                              | 1,091   | 127.7                               | 232.2                              |
| Nov..                | 357  | 102.9                               | 201.6                              | 1,141   | 133.5                               | 252.0                              |
| Dec..                | 362  | 104.4                               | 218.3                              | 1,139   | 133.3                               | 263.3                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
Workers and Indexes of Employment and Pay Rolls, by  
Major Industry Groups, January 1945 - December 1946 1/

| Year<br>and<br>month | TOBACCO MANUFACTURES   |                                     |                                    | PAPER AND ALLIED PRODUCTS                                      |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 82   | 87.4                                | 164.7                              | 321  | 120.8                               | 204.3                              |
| 1946                 | 86   | 92.0                                | 187.1                              | 367  | 138.1                               | 250.5                              |
| 1945                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 82   | 88.2                                | 167.0                              | 319  | 120.3                               | 201.4                              |
| Feb..                | 82   | 88.2                                | 165.6                              | 321  | 121.0                               | 202.6                              |
| Mar..                | 82   | 87.8                                | 166.0                              | 320  | 120.5                               | 203.3                              |
| Apr..                | 81   | 86.8                                | 160.8                              | 315  | 118.7                               | 201.6                              |
| May..                | 80   | 85.6                                | 157.2                              | 314  | 118.2                               | 196.6                              |
| June..               | 80   | 86.1                                | 164.5                              | 319  | 120.1                               | 204.7                              |
| July..               | 78   | 83.4                                | 151.0                              | 314  | 118.2                               | 201.2                              |
| Aug..                | 79   | 84.3                                | 149.3                              | 315  | 118.7                               | 191.9                              |
| Sept.                | 83   | 89.5                                | 176.0                              | 316  | 118.9                               | 203.2                              |
| Oct..                | 86   | 92.2                                | 181.7                              | 325  | 122.3                               | 209.4                              |
| Nov..                | 83   | 89.2                                | 172.2                              | 330  | 124.4                               | 213.6                              |
| Dec..                | 82   | 87.8                                | 164.1                              | 339  | 127.8                               | 221.6                              |
| 1946                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 81   | 87.0                                | 166.7                              | 345  | 130.1                               | 224.3                              |
| Feb..                | 81   | 87.3                                | 165.2                              | 352  | 132.5                               | 228.0                              |
| Mar..                | 82   | 87.9                                | 171.3                              | 357  | 134.4                               | 235.4                              |
| Apr..                | 85   | 90.8                                | 174.6                              | 361  | 136.0                               | 238.6                              |
| May..                | 85   | 91.2                                | 181.1                              | 363  | 136.8                               | 240.0                              |
| June..               | 86   | 92.1                                | 184.1                              | 363  | 138.8                               | 247.0                              |
| July..               | 85   | 90.7                                | 178.3                              | 365  | 137.4                               | 246.4                              |
| Aug..                | 86   | 91.7                                | 186.2                              | 369  | 139.2                               | 256.5                              |
| Sept.                | 87   | 93.5                                | 196.0                              | 372  | 140.0                               | 259.8                              |
| Oct..                | 89   | 95.8                                | 207.4                              | 376  | 141.7                               | 268.5                              |
| Nov..                | 91   | 97.6                                | 212.7                              | 383  | 144.3                               | 276.6                              |
| Dec..                | 92   | 98.3                                | 222.0                              | 387  | 145.7                               | 284.5                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
 Workers and Indexes of Employment and Pay Rolls, by  
 Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | PRINTING, PUBLISHING, AND<br>ALLIED INDUSTRIES                 |                                     |                                    | CHEMICALS AND<br>ALLIED PRODUCTS                               |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 336  | 102.4                               | 148.2                              | 632  | 219.3                               | 383.1                              |
|                      | 396  | 120.7                               | 194.8                              | 534  | 185.3                               | 323.6                              |
| 1945                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 325  | 99.2                                | 140.5                              | 688  | 236.9                               | 421.4                              |
| Feb..                | 326  | 99.4                                | 139.5                              | 703  | 245.8                               | 429.5                              |
| Mar..                | 327  | 99.6                                | 141.5                              | 706  | 245.1                               | 436.0                              |
| Apr..                | 325  | 99.2                                | 140.9                              | 704  | 244.1                               | 434.7                              |
| May..                | 327  | 99.9                                | 142.2                              | 695  | 241.3                               | 433.9                              |
| June..               | 329  | 100.4                               | 143.7                              | 686  | 238.1                               | 427.2                              |
| July..               | 328  | 100.1                               | 142.5                              | 661  | 229.2                               | 408.4                              |
| Aug..                | 333  | 101.6                               | 144.7                              | 616  | 213.8                               | 366.5                              |
| Sept..               | 335  | 102.2                               | 152.8                              | 537  | 186.3                               | 316.3                              |
| Oct..                | 348  | 106.0                               | 155.9                              | 527  | 182.7                               | 308.9                              |
| Nov..                | 359  | 109.6                               | 164.0                              | 529  | 183.6                               | 306.0                              |
| Dec..                | 367  | 111.9                               | 169.6                              | 531  | 184.1                               | 308.3                              |
| 1946                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 372  | 113.3                               | 172.2                              | 533  | 184.8                               | 310.7                              |
| Feb..                | 381  | 116.2                               | 177.4                              | 536  | 185.8                               | 310.7                              |
| Mar..                | 386  | 117.7                               | 183.8                              | 540  | 187.3                               | 317.0                              |
| Apr..                | 389  | 118.5                               | 185.6                              | 539  | 187.1                               | 318.8                              |
| May..                | 389  | 118.7                               | 186.4                              | 527  | 182.8                               | 311.1                              |
| June..               | 393  | 119.9                               | 191.3                              | 522  | 181.3                               | 313.0                              |
| July..               | 397  | 121.1                               | 193.3                              | 516  | 178.9                               | 315.5                              |
| Aug..                | 399  | 121.6                               | 198.1                              | 520  | 180.5                               | 320.0                              |
| Sept..               | 401  | 122.3                               | 203.1                              | 530  | 184.0                               | 329.1                              |
| Oct..                | 410  | 125.0                               | 208.4                              | 539  | 187.2                               | 335.3                              |
| Nov..                | 415  | 126.6                               | 214.0                              | 550  | 190.9                               | 345.0                              |
| Dec..                | 420  | 127.9                               | 223.9                              | 555  | 192.5                               | 357.0                              |

Source: Division of Employment Statistics (4-47)

Table 15. - Revised Estimates of Manufacturing Production  
Workers and Indexes of Employment and Pay Rolls, by  
Major Industry Group, January 1945 - December 1946 1/

| Year<br>and<br>month | PRODUCTS OF PETROLEUM AND COAL                                 |                                     |                                    | RUBBER PRODUCTS  |                                     |                                    |
|----------------------|--|-------------------------------------|------------------------------------|--|-------------------------------------|------------------------------------|
|                      | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100)     |                                    |
|                      |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |  | Production-<br>worker<br>employment | Production-<br>worker<br>pay rolls |
| 1945                 | 137  | 129.7                               | 227.6                              | 196  | 161.9                               | 289.4                              |
| 1946                 | 152  | 143.4                               | 243.7                              | 223  | 184.1                               | 333.2                              |
| 1945                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 134  | 126.8                               | 222.9                              | 209  | 172.4                               | 337.9                              |
| Feb..                | 135  | 127.4                               | 225.5                              | 209  | 172.9                               | 338.8                              |
| Mar..                | 136  | 128.1                               | 227.2                              | 209  | 172.6                               | 314.5                              |
| Apr..                | 136  | 128.3                               | 233.7                              | 204  | 168.9                               | 314.6                              |
| May..                | 137  | 129.2                               | 232.1                              | 200  | 165.8                               | 298.3                              |
| June..               | 138  | 130.3                               | 235.8                              | 198  | 163.5                               | 302.5                              |
| July..               | 139  | 131.4                               | 240.8                              | 193  | 159.4                               | 296.6                              |
| Aug..                | 139  | 131.3                               | 235.8                              | 189  | 156.5                               | 263.2                              |
| Sept..               | 134  | 126.4                               | 217.5                              | 163  | 134.9                               | 228.6                              |
| Oct..                | 134  | 126.7                               | 203.1                              | 184  | 152.4                               | 251.1                              |
| Nov..                | 143  | 134.7                               | 228.6                              | 191  | 158.0                               | 254.5                              |
| Dec..                | 144  | 135.7                               | 226.0                              | 201  | 165.9                               | 271.7                              |
| 1946                 |  |                                     |                                    |  |                                     |                                    |
| Jan..                | 146  | 137.5                               | 226.7                              | 206  | 170.2                               | 286.0                              |
| Feb..                | 142  | 134.2                               | 227.1                              | 211  | 174.5                               | 287.7                              |
| Mar..                | 149  | 140.4                               | 237.2                              | 216  | 178.7                               | 298.2                              |
| Apr..                | 150  | 141.9                               | 238.9                              | 217  | 179.1                               | 319.7                              |
| May..                | 149  | 140.6                               | 234.4                              | 217  | 179.7                               | 322.1                              |
| June..               | 153  | 144.5                               | 242.5                              | 221  | 182.9                               | 331.4                              |
| July..               | 155  | 146.7                               | 251.0                              | 214  | 177.0                               | 321.4                              |
| Aug..                | 156  | 147.4                               | 253.1                              | 223  | 184.0                               | 336.9                              |
| Sept..               | 157  | 147.8                               | 257.5                              | 229  | 189.1                               | 363.9                              |
| Oct..                | 155  | 146.8                               | 252.7                              | 236  | 194.8                               | 361.3                              |
| Nov..                | 155  | 146.6                               | 252.6                              | 240  | 198.8                               | 377.4                              |
| Dec..                | 155  | 146.1                               | 253.6                              | 242  | 200.5                               | 392.9                              |

Source: Division of Employment Statistics (4/47)

Table 15. - Revised Estimates of Manufacturing Production  
Workers and Indexes of Employment and Pay Rolls, by  
Major Industry Group, January 1945 - December 1946 1/

| MISCELLANEOUS INDUSTRIES |  |                                 |                                       |                      |  |                                 |                                       |
|--------------------------|--|---------------------------------|---------------------------------------|----------------------|--|---------------------------------|---------------------------------------|
| Year<br>and<br>month     | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100) |                                       | Year<br>and<br>month | Estimated<br>number of<br>production<br>workers<br>(thousands) | Indexes<br>(1939 average = 100) |                                       |
|                          |  | Production<br>worker            | Production<br>employment<br>pay rolls |                      |  | Production<br>worker            | Production<br>employment<br>pay rolls |
| 1945                     | 398  | 162.7                           | 308.6                                 | 1946                 | 416  | 170.1                           | 318.9                                 |
| 1945                     |  |                                 |                                       | 1946                 |  |                                 |                                       |
| Jan..                    | 420  | 171.5                           | 341.6                                 | Jan..                | 372  | 151.9                           | 273.6                                 |
| Feb..                    | 426  | 174.1                           | 346.5                                 | Feb..                | 384  | 156.8                           | 280.6                                 |
| Mar..                    | 430  | 175.8                           | 351.0                                 | Mar..                | 396  | 161.9                           | 295.7                                 |
| Apr..                    | 429  | 175.3                           | 349.2                                 | Apr..                | 404  | 165.1                           | 304.2                                 |
| May..                    | 429  | 175.4                           | 341.5                                 | May..                | 407  | 166.3                           | 303.1                                 |
| June..                   | 428  | 174.9                           | 343.4                                 | June..               | 418  | 170.8                           | 318.4                                 |
| July..                   | 414  | 169.3                           | 321.3                                 | July..               | 417  | 170.5                           | 314.2                                 |
| Aug..                    | 407  | 166.4                           | 298.2                                 | Aug..                | 429  | 175.1                           | 329.3                                 |
| Sept..                   | 338  | 138.0                           | 241.8                                 | Sept..               | 433  | 176.9                           | 339.3                                 |
| Oct..                    | 342  | 139.8                           | 245.7                                 | Oct..                | 441  | 180.2                           | 350.7                                 |
| Nov..                    | 352  | 143.7                           | 253.6                                 | Nov..                | 445  | 182.0                           | 354.0                                 |
| Dec..                    | 364  | 148.7                           | 269.3                                 | Dec..                | 448  | 183.2                           | 363.3                                 |

1/ Estimates and indexes for the major industry groups have been adjusted to levels indicated by the final 1945 data made available by the Bureau of Employment Security of the Federal Security Agency and supersede data shown in mimeographed releases dated prior to April 1947, and Monthly Labor Reviews dated prior to May 1947. The present adjustment affects data from 1945 to the present only. Hours and earnings data are not affected by this adjustment.

Source: Division of Employment Statistics (4-47)

Table 16

43.

Revised Estimates of Employees 1/ in Nonagricultural Establishments, by Industry  
Division, January 1939-December 1946.  
(in thousands)

| Month and Year | Total  | Manufacturing | Mining | Construction | Transportation and Public Utilities | Trade | Finance, Services, and Miscellaneous | Government |
|----------------|--------|---------------|--------|--------------|-------------------------------------|-------|--------------------------------------|------------|
| 1939 Average   | 30,287 | 10,078        | 845    | 1,150        | 2,912                               | 6,705 | 4,610                                | 3,987      |
| 1940 Average   | 32,031 | 10,780        | 916    | 1,294        | 3,013                               | 7,055 | 4,781                                | 4,192      |
| 1941 Average   | 36,164 | 12,974        | 947    | 1,790        | 3,248                               | 7,567 | 5,016                                | 4,622      |
| <u>1939</u>    |        |               |        |              |                                     |       |                                      |            |
| January        | 28,945 | 9,535         | 879    | 927          | 2,787                               | 6,432 | 4,472                                | 3,913      |
| February       | 29,026 | 9,671         | 875    | 910          | 2,792                               | 6,417 | 4,409                                | 3,886      |
| March          | 29,436 | 9,787         | 875    | 1,035        | 2,813                               | 6,493 | 4,518                                | 3,915      |
| April          | 29,418 | 9,787         | 590    | 1,132        | 2,847                               | 6,572 | 4,564                                | 3,926      |
| May            | 29,768 | 9,732         | 701    | 1,234        | 2,872                               | 6,618 | 4,649                                | 3,962      |
| June           | 30,132 | 9,775         | 842    | 1,272        | 2,934                               | 6,664 | 4,688                                | 3,957      |
| July           | 30,108 | 9,817         | 836    | 1,285        | 2,941                               | 6,602 | 4,690                                | 3,937      |
| August         | 30,512 | 10,117        | 853    | 1,312        | 2,947                               | 6,608 | 4,702                                | 3,973      |
| September      | 31,254 | 10,489        | 883    | 1,285        | 2,994                               | 6,788 | 4,724                                | 4,091      |
| October        | 31,629 | 10,780        | 931    | 1,234        | 3,017                               | 6,898 | 4,634                                | 4,105      |
| November       | 31,491 | 10,746        | 943    | 1,161        | 3,009                               | 6,980 | 4,598                                | 4,054      |
| December       | 31,710 | 10,694        | 928    | 1,010        | 2,960                               | 7,389 | 4,602                                | 4,127      |
| <u>1940</u>    |        |               |        |              |                                     |       |                                      |            |
| January        | 30,602 | 10,453        | 918    | 904          | 2,925                               | 6,707 | 4,622                                | 4,073      |
| February       | 30,632 | 10,475        | 916    | 930          | 2,934                               | 6,701 | 4,628                                | 4,048      |
| March          | 30,953 | 10,439        | 916    | 1,015        | 2,930                               | 6,902 | 4,684                                | 4,067      |
| April          | 31,023 | 10,343        | 899    | 1,146        | 2,946                               | 6,854 | 4,749                                | 4,086      |
| May            | 31,353 | 10,298        | 902    | 1,260        | 2,996                               | 6,945 | 4,815                                | 4,137      |
| June           | 31,619 | 10,353        | 894    | 1,300        | 3,028                               | 7,021 | 4,850                                | 4,173      |
| July           | 31,644 | 10,411        | 907    | 1,342        | 3,039                               | 6,929 | 4,843                                | 4,173      |
| August         | 32,210 | 10,630        | 919    | 1,371        | 3,060                               | 6,964 | 4,870                                | 4,196      |
| September      | 33,001 | 11,182        | 927    | 1,469        | 3,085                               | 7,156 | 4,873                                | 4,309      |
| October        | 33,416 | 11,405        | 934    | 1,550        | 3,102                               | 7,254 | 4,840                                | 4,331      |
| November       | 33,616 | 11,523        | 934    | 1,607        | 3,069                               | 7,369 | 4,803                                | 4,311      |
| December       | 34,301 | 11,647        | 931    | 1,629        | 3,045                               | 7,854 | 4,800                                | 4,395      |
| <u>1941</u>    |        |               |        |              |                                     |       |                                      |            |
| January        | 33,410 | 11,603        | 933    | 1,606        | 3,011                               | 7,094 | 4,822                                | 4,341      |
| February       | 33,703 | 11,874        | 930    | 1,567        | 3,020                               | 7,116 | 4,829                                | 4,367      |
| March          | 34,196 | 12,113        | 943    | 1,532        | 3,068                               | 7,219 | 4,893                                | 4,428      |
| April          | 34,763 | 12,394        | 637    | 1,644        | 3,145                               | 7,467 | 4,986                                | 4,490      |
| May            | 35,615 | 12,648        | 944    | 1,738        | 3,224                               | 7,435 | 5,052                                | 4,574      |
| June           | 36,283 | 12,967        | 960    | 1,803        | 3,287                               | 7,552 | 5,092                                | 4,622      |
| July           | 36,843 | 13,275        | 981    | 1,956        | 3,341                               | 7,540 | 5,112                                | 4,638      |
| August         | 37,351 | 13,540        | 1,002  | 2,014        | 3,380                               | 7,609 | 5,133                                | 4,673      |
| September      | 37,906 | 13,784        | 1,010  | 2,035        | 3,398                               | 7,731 | 5,126                                | 4,822      |
| October        | 37,964 | 13,847        | 1,013  | 1,969        | 3,405                               | 7,816 | 5,076                                | 4,838      |
| November       | 37,831 | 13,821        | 1,009  | 1,879        | 3,369                               | 7,916 | 5,041                                | 4,796      |
| December       | 38,099 | 13,817        | 1,007  | 1,734        | 3,333                               | 8,303 | 5,029                                | 4,876      |

Table 16

Revised Estimates of Employees 1/ in Nonagricultural Establishments, by Industry  
 Division, January 1939-December 1946. Cont'd  
 (in thousands)

| Month and Year | Total  | Manufacturing | Mining | Construction | Transportation and Public Utilities | Trade | Finance, Service, and Miscellaneous | Government |
|----------------|--------|---------------|--------|--------------|-------------------------------------|-------|-------------------------------------|------------|
| 1942 Average   | 39,697 | 15,051        | 983    | 2,170        | 3,433                               | 7,481 | 5,148                               | 5,431      |
| 1943 Average   | 42,042 | 17,381        | 917    | 1,567        | 3,619                               | 7,322 | 5,187                               | 6,049      |
| 1944 Average   | 41,480 | 17,111        | 883    | 1,094        | 3,798                               | 7,399 | 5,169                               | 6,026      |
| <b>1942</b>    |        |               |        |              |                                     |       |                                     |            |
| January        | 37,185 | 13,740        | 1,007  | 1,675        | 3,305                               | 7,532 | 5,044                               | 4,882      |
| February       | 37,346 | 13,971        | 993    | 1,649        | 3,290                               | 7,458 | 5,023                               | 4,962      |
| March          | 37,903 | 14,184        | 988    | 1,834        | 3,314                               | 7,482 | 5,081                               | 5,020      |
| April          | 38,577 | 14,391        | 989    | 2,040        | 3,385                               | 7,465 | 5,140                               | 5,167      |
| May            | 39,129 | 14,576        | 989    | 2,222        | 3,419                               | 7,453 | 5,188                               | 5,282      |
| June           | 39,673 | 14,791        | 987    | 2,403        | 3,453                               | 7,396 | 5,236                               | 5,407      |
| July           | 40,162 | 15,143        | 994    | 2,565        | 3,485                               | 7,291 | 5,232                               | 5,452      |
| August         | 40,672 | 15,519        | 991    | 2,577        | 3,500                               | 7,283 | 5,234                               | 5,568      |
| September      | 41,158 | 15,800        | 991    | 2,530        | 3,517                               | 7,301 | 5,229                               | 5,740      |
| October        | 41,296 | 15,956        | 970    | 2,370        | 3,519                               | 7,511 | 5,173                               | 5,797      |
| November       | 41,375 | 16,128        | 961    | 2,212        | 3,503                               | 7,599 | 5,112                               | 5,860      |
| December       | 41,892 | 16,415        | 951    | 1,957        | 3,507                               | 7,945 | 5,087                               | 6,030      |
| <b>1943</b>    |        |               |        |              |                                     |       |                                     |            |
| January        | 41,000 | 16,570        | 934    | 1,835        | 3,487                               | 7,208 | 5,100                               | 5,866      |
| February       | 41,206 | 16,816        | 935    | 1,780        | 3,485                               | 7,154 | 5,098                               | 5,938      |
| March          | 41,653 | 17,037        | 931    | 1,764        | 3,520                               | 7,204 | 5,142                               | 6,055      |
| April          | 41,962 | 17,129        | 922    | 1,741        | 3,570                               | 7,307 | 5,179                               | 6,114      |
| May            | 42,004 | 17,181        | 908    | 1,594        | 3,597                               | 7,233 | 5,229                               | 6,162      |
| June           | 42,365 | 17,431        | 915    | 1,569        | 3,656                               | 7,289 | 5,284                               | 6,121      |
| July           | 42,352 | 17,618        | 915    | 1,580        | 3,689                               | 7,225 | 5,250                               | 6,075      |
| August         | 42,319 | 17,736        | 912    | 1,524        | 3,694                               | 7,169 | 5,235                               | 6,049      |
| September      | 42,269 | 17,696        | 915    | 1,451        | 3,688                               | 7,241 | 5,237                               | 6,041      |
| October        | 42,323 | 17,777        | 910    | 1,343        | 3,689                               | 7,398 | 5,185                               | 6,021      |
| November       | 42,423 | 17,858        | 901    | 1,272        | 3,683                               | 7,576 | 5,160                               | 5,973      |
| December       | 42,638 | 17,722        | 907    | 1,147        | 3,669                               | 7,865 | 5,149                               | 6,179      |
| <b>1944</b>    |        |               |        |              |                                     |       |                                     |            |
| January        | 41,611 | 17,587        | 900    | 1,114        | 3,664                               | 7,272 | 5,119                               | 5,955      |
| February       | 41,552 | 17,581        | 901    | 1,068        | 3,704                               | 7,237 | 5,116                               | 5,945      |
| March          | 41,552 | 17,447        | 896    | 1,061        | 3,737                               | 7,286 | 5,156                               | 5,969      |
| April          | 41,443 | 17,235        | 892    | 1,075        | 3,780                               | 7,311 | 5,170                               | 5,980      |
| May            | 41,420 | 17,105        | 890    | 1,109        | 3,809                               | 7,287 | 5,205                               | 6,015      |
| June           | 41,558 | 17,116        | 895    | 1,147        | 3,853                               | 7,300 | 5,271                               | 5,976      |
| July           | 41,473 | 17,091        | 885    | 1,153        | 3,860                               | 7,280 | 5,224                               | 5,980      |
| August         | 41,467 | 17,085        | 886    | 1,157        | 3,867                               | 7,258 | 5,209                               | 6,005      |
| September      | 41,355 | 16,888        | 878    | 1,125        | 3,846                               | 7,348 | 5,204                               | 6,066      |
| October        | 41,236 | 16,758        | 865    | 1,092        | 3,820                               | 7,515 | 5,146                               | 6,040      |
| November       | 41,267 | 16,695        | 859    | 1,057        | 3,819                               | 7,686 | 5,119                               | 6,032      |
| December       | 41,841 | 16,747        | 852    | 969          | 3,816                               | 8,010 | 5,099                               | 6,348      |

Table 16

45.

Revised Estimates of Employees 1/ in Nonagricultural Establishments, by Industry  
 Division, January 1939-December 1946. Cont'd  
 (in thousands)

| Month and Year | Total  | Manufacturing | Mining | Construction | Transportation and Public Utilities | Trade | Finance, Service, and Miscellaneous | Government |
|----------------|--------|---------------|--------|--------------|-------------------------------------|-------|-------------------------------------|------------|
| 1945 Average   | 39,977 | 15,302        | 826    | 1,082        | 3,872                               | 7,654 | 5,274                               | 5,967      |
| 1946 Average   | 40,712 | 14,365        | 836    | 1,493        | 4,023                               | 8,448 | 5,954                               | 5,595      |
| 1947 Average   |        |               |        |              |                                     |       |                                     |            |
| <u>1945</u>    |        |               |        |              |                                     |       |                                     |            |
| January        | 40,878 | 16,753        | 848    | 950          | 3,780                               | 7,450 | 5,082                               | 6,015      |
| February       | 40,939 | 16,801        | 845    | 955          | 3,811                               | 7,423 | 5,081                               | 6,023      |
| March          | 41,094 | 16,728        | 844    | 985          | 3,839                               | 7,520 | 5,111                               | 6,067      |
| April          | 40,830 | 16,528        | 806    | 1,030        | 3,843                               | 7,425 | 5,136                               | 6,062      |
| May            | 40,680 | 16,292        | 769    | 1,059        | 3,858                               | 7,470 | 5,166                               | 6,066      |
| June           | 40,648 | 16,061        | 843    | 1,102        | 3,906                               | 7,475 | 5,247                               | 6,014      |
| July           | 40,338 | 15,693        | 832    | 1,136        | 3,927                               | 7,473 | 5,275                               | 6,002      |
| August         | 40,047 | 15,343        | 832    | 1,170        | 3,922                               | 7,482 | 5,290                               | 6,008      |
| September      | 38,256 | 13,414        | 833    | 1,159        | 3,876                               | 7,656 | 5,296                               | 6,022      |
| October        | 38,192 | 13,307        | 762    | 1,164        | 3,861                               | 7,871 | 5,437                               | 5,790      |
| November       | 38,613 | 13,367        | 843    | 1,171        | 3,912                               | 8,118 | 5,534                               | 5,668      |
| December       | 39,210 | 13,331        | 855    | 1,108        | 3,932                               | 8,491 | 5,631                               | 5,862      |
| <u>1946</u>    |        |               |        |              |                                     |       |                                     |            |
| January        | 38,745 | 13,499        | 864    | 1,085        | 3,932                               | 8,056 | 5,696                               | 5,613      |
| February       | 38,148 | 12,751        | 864    | 1,101        | 3,943                               | 8,090 | 5,776                               | 5,623      |
| March          | 39,184 | 13,433        | 857    | 1,203        | 3,993                               | 8,197 | 5,840                               | 5,671      |
| April          | 39,908 | 14,045        | 542    | 1,356        | 3,991                               | 8,329 | 5,984                               | 5,661      |
| May            | 40,258 | 14,159        | 753    | 1,438        | 3,946                               | 8,302 | 5,965                               | 5,695      |
| June           | 40,680 | 14,371        | 864    | 1,532        | 3,996                               | 8,342 | 5,961                               | 5,614      |
| July           | 40,877 | 14,526        | 873    | 1,627        | 4,051                               | 8,337 | 5,975                               | 5,488      |
| August         | 41,466 | 14,876        | 886    | 1,713        | 4,103                               | 8,402 | 5,984                               | 5,502      |
| September      | 41,848 | 15,035        | 884    | 1,747        | 4,064                               | 8,523 | 5,990                               | 5,605      |
| October        | 42,065 | 15,064        | 883    | 1,753        | 4,093                               | 8,667 | 6,054                               | 5,551      |
| November       | 42,439 | 15,271        | 883    | 1,713        | 4,101                               | 8,898 | 6,098                               | 5,475      |
| December       | 42,928 | 15,348        | 874    | 1,644        | 4,071                               | 9,234 | 6,119                               | 5,638      |

1/ Estimates include all full- and part-time wage and salary workers 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 incorporate the revised estimates adjusted to final 1945 U. C. data and, therefore, supersede data shown in mimeographed releases dated prior to April 1947 and Monthly Labor Reviews dated prior to May 1947. Data from January 1939 forward were affected by this revision.