



# EMPLOYMENT and EARNINGS

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## IN THIS ISSUE

\*Establishment data adjusted to March 1963 benchmarks... for details see "BLS Establishment Employment Estimates Revised to March 1963 Benchmark Levels," page v.

\*Monthly data, actual and seasonally adjusted, 1962 to date, for major industry series, page 71.

\*Current seasonal adjustment factors for establishment data, page 77.

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## CONTENTS

Page

Announcement.....	111
BLS Establishment Employment Estimates Revised to March 1963 Benchmark Levels...	v
Tables of Current Statistics.....	1
Special Section.....	69
Monthly Data, 1962 to Date, Major Industry Series.....	71
Current Seasonal Adjustment Factors for Establishment Data.....	77

## STATISTICAL TABLES

### Section A-Labor Force, Employment, and Unemployment

A- 1: Employment status of the noninstitutional population 14 years and over, 1929 to date.....	1
A- 2: Employment status of the noninstitutional population 14 years and over, by sex, 1940, 1944, and 1947 to date.....	2
A- 3: Employment status of the noninstitutional population 14 years and over, by sex.....	3
A- 4: Unemployed persons, by age and sex.....	3
A- 5: Unemployed persons, by industry of last job.....	3
A- 6: Unemployed persons, by occupation of last job.....	4
A- 7: Unemployed persons, by color, marital status, and household relationship.....	4
A- 8: Unemployed persons, by duration of unemployment.....	5
A- 9: Long-term unemployed, by industry and occupation of last job.....	5
A-10: Long-term unemployed, by sex, age, color, and marital status.....	6
A-11: Unemployed persons looking for full- or part-time work, by age and sex.....	6
A-12: Total labor force, by age and sex.....	7
A-13: Employed persons, by age and sex.....	7
A-14: Employed persons, by class of worker and occupation.....	7
A-15: Employed persons, by hours worked.....	8
A-16: Employed persons, by full- or part-time status.....	8
A-17: Employed persons with a job, but not at work, by reason not working and pay status.....	8
A-18: Employment status of the noninstitutional population, by age and sex.....	9
A-19: Nonagricultural wage and salary workers, by full- or part-time status, hours of work, and industry.....	9
A-20: Persons at work in nonfarm occupations by full- or part-time status, hours of work, and occupation.....	10
A-21: Occupation group of employed persons, by sex and color.....	10
A-22: Persons at work in nonagricultural industries, by full-time and part-time status, hours of work, and selected characteristics.....	11
A-23: Persons at work, by hours of work, and class of worker.....	11
A-24: Summary employment and unemployment estimates, seasonally adjusted.....	12
A-25: Seasonally adjusted rates of unemployment.....	12
A-26: Unemployed persons, by duration of unemployment, seasonally adjusted.....	12
A-27: Employment status, by age and sex, seasonally adjusted.....	12
A-28: Persons at work in nonagricultural industries, by full- or part-time status, seasonally adjusted.....	12

Continued on following page.

# EMPLOYMENT and EARNINGS

## CONTENTS--Continued

### Section B--Payroll Employment, by Industry

National Data	Page
B-1: Employees on nonagricultural payrolls, by industry division, 1919 to date....	13
B-2: Employees on nonagricultural payrolls, by industry.....	14
B-3: Women employees on payrolls of selected nonagricultural industries <sup>1/</sup>	
B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted.....	21
B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted.....	22
B-6: Production workers on manufacturing payrolls, by industry, seasonally adjusted.....	22
State and Area Data	
B-7: Employees on nonagricultural payrolls, by industry division and State.....	23
B-8: Employees on nonagricultural payrolls for selected areas, by industry division.....	26

### Section C--Industry Hours and Earnings

National Data	Page
C-1: Gross hours and earnings of production workers on manufacturing payrolls, 1919 to date.....	35
C-2: Gross hours and earnings of production workers, by industry.....	36
C-3: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry.....	48
C-4: Gross and spendable average weekly earnings in selected industries, in current and 1957-59 dollars.....	48
C-5: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities.....	49
C-6: Average weekly hours of production workers on payrolls of selected industries, seasonally adjusted.....	50
C-7: Indexes of aggregate weekly man-hours in industrial and construction activities, seasonally adjusted.....	51
State and Area Data	
C-8: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas.....	52

### Section D--Labor Turnover

National Data	Page
D-1: Labor turnover rates in manufacturing, 1954 to date.....	57
D-2: Labor turnover rates, by industry.....	58
D-3: Labor turnover rates in manufacturing, by sex and major industry <sup>1/</sup>	
D-4: Labor turnover rates in manufacturing, 1954 to date, seasonally adjusted....	63
State and Area Data	
D-5: Labor turnover rates in manufacturing for selected States and areas.....	64
Technical Note .....	1-E
BLS Regional Offices .....	Inside back cover
Cooperating State Agencies .....	Inside back cover

<sup>1/</sup> Quarterly data included in February, May, August, and November issues.

## CAUTION

Periodically, the Bureau adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours and earnings series because employment levels are used as weights. All industry statistics after March 1963, the present benchmark date, are therefore subject to revision.

Beginning with December 1964 and subsequent issues of Employment and Earnings, data in tables B-1 through B-6, C-1 through C-7, and D-1 through D-4 are based on March 1963 benchmarks. Therefore, issues of Employment and Earnings prior to December 1964 cannot be used in conjunction with national industry data now shown in sections B, C, and D. Comparable data for prior periods will be published in Employment and Earnings Statistics for the United States, 1909-64, BLS Bulletin 1312-2.

When industry data are again adjusted to new benchmarks another edition of Employment and Earnings Statistics for the United States will be issued containing the revised data extending from April 1963 forward to a current date, as well as the prior historical statistics.

# ANNOUNCEMENT

## ESTABLISHMENT DATA REVISED

The national figures on employment in industry, shown in this report, have been adjusted to March 1963 benchmarks (comprehensive counts of employment). This benchmark revision, which is a standard feature of the current employment statistics program, affected industry payroll employment data from April 1962 forward. In addition, because the employment figures are used as weights, the adjustment to new benchmark levels has caused revisions, in some cases, in the hours, earnings, and labor turnover series. The article, "BLS Establishment Employment Estimates Revised to March 1963 Benchmark Levels," that follows, summarizes the effects of this revision. National data published in this issue of Employment and Earnings represent revisions of those appearing in prior monthly issues.

## SPECIAL SECTION

Summary tables of revised establishment data are presented, by month from January 1962 through August 1964, for the major industry series. Both actual and seasonally adjusted figures are given. (See page 71.)

As in the past, new seasonal adjustment factors for the establishment data have been developed coincidentally with the adjustment to new benchmark levels. These new factors for all of the seasonally adjusted establishment data in Employment and Earnings are shown beginning on page 77.

## NEW REFERENCE VOLUMES

Employment and Earnings Statistics for the United States, 1909-64, BLS Bulletin 1312-2, to be available in January 1965, replaces BLS Bulletin 1312-1 issued in 1963. All series presented in this bulletin have been adjusted to March 1963 benchmarks. For each national series shown in the B, C, and D sections of Employment and Earnings, detailed data are provided from the earliest date of availability through August 1964.

Employment and Earnings Statistics for States and Areas, 1939-63, BLS Bulletin 1370-1, released last September, replaces BLS Bulletin 1370. Data include annual averages for more than 6,000 series on payroll employment, and over 3,000 series on hours and earnings for the 50 States, the District of Columbia, and 151 major metropolitan areas.

# BLS Establishment Employment Estimates Revised to March 1963 Benchmark Levels

Dorothy Hinton\*

In this issue of *Employment and Earnings*, the national employment estimates derived from the monthly establishment survey have been adjusted to actual employment levels for March 1963. This has involved revising all figures back to March 1962. Such revisions to new benchmark levels, an essential part of the employment and labor turnover statistics program, are made annually for most sectors of the economy. Most published series are affected by the revision, beginning at the finest industrial classification level and extending through successively inclusive series to total nonagricultural employment. Estimates of hours and earnings and labor turnover, which are weighted by employment estimates, may also be revised as a result of the changes in employment levels. The current estimates of employment in nonagricultural establishments are derived from reports submitted each month by a sample of the Nation's industrial, commercial, and government establishments. The monthly changes shown by the sample are used to carry forward estimates of the total in each industry. Since the monthly data are estimates, periodic checks of their accuracy are needed. The sample-derived data are thus checked once each year against a benchmark, or complete count, the most recent representing employment for March 1963.

## Benchmark Sources

The most important source of benchmark data is the compulsory unemployment insurance contributions (tax) report that the covered employer files each quarter with his State employment security agency. After the employers' reports are processed, classified, and tabulated by industry, each State forwards its data to the U.S. Department of Labor's Bureau of Employment Security (BES), which has Federal supervisory authority over the unemployment insurance systems of the States. The employment counts are then made available by BES to the Bureau of Labor Statistics, for use in preparing the national benchmarks.

These unemployment insurance figures are augmented by data from other sources to bring the benchmarks up to complete counts for all nonagricultural establishments. State unemployment insurance data constitute about three-fourths of the universe, but employers of fewer than four persons are excluded from coverage in some States and certain types of activities are, likewise, not covered. Important

sources of benchmark data for employment not covered by unemployment insurance include the Social Security Administration (small firms and nonprofit organizations), Bureau of the Census (State and local governments), the Civil Service Commission (Federal civilian employment), and the Interstate Commerce Commission (interstate railroads).<sup>1</sup>

## Estimates Near Benchmark Levels

A measure of the accuracy of the BLS national employment estimates is provided by a comparison with the benchmark, which shows the amount of error that has accumulated over 12 months through use of the sample, and through changes in the industrial classification of individual plants. Table 1 presents this comparison, as of March 1963, for total nonagricultural employment and broad industry divisions.

Table 1. Comparison of BLS Nonagricultural Employment Estimates with March 1963 Benchmarks, by Industry Division  
(Workers in thousands)

Industry division	Employment		Difference between benchmark and estimates	
	Benchmark	BLS estimates	Number of employees	Percent
Total . . . . .	55,184	55,714	530	1.0
Mining . . . . .	614	616	2	.3
Contract construction . . . . .	2,518	2,556	38	1.5
Manufacturing . . . . .	16,731	16,756	25	.1
Durable goods . . . . .	9,477	9,508	31	.3
Nondurable goods . . . . .	7,254	7,248	-6	-.1
Transportation and public utilities . . . . .	3,847	3,847	0	0
Wholesale and retail trade . . . . .	11,434	11,497	63	.6
Wholesale trade . . . . .	3,048	3,069	21	.7
Retail trade . . . . .	8,386	8,428	42	.5
Finance, insurance, and real estate . . . . .	2,832	2,825	-7	-.2
Service and miscellaneous . . . . .	8,014	8,076	62	.8
Government . . . . .	9,194	9,541	347	3.8
Federal Government . . . . .	2,334	2,334	0	0
State and local government . . . . .	6,860	7,207	347	5.1

<sup>1</sup>For a detailed description of benchmark preparation and sources, see "The 1959 Benchmarks for the BLS Payroll Employment Statistics," by Samuel Schechter, *Monthly Labor Review*, December 1962, pp. 1385-1392.

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In most instances for recent revisions, major industry divisions have varied from benchmarks by less than 1 percent. A comparison of the size of the revisions made since 1957 is presented in table 2.

Table 2. Nonagricultural Employment Estimates, by Industry Division, as a Percentage of the Benchmark for Recent Years

Industry division	1957	1959 <sup>1</sup>	1961	1962	1963
Total . . . . .	100.5	99.4	100.0	99.3	101.0
Mining . . . . .	103.2	96.2	99.4	99.2	100.3
Contract construction . . . . .	106.4	95.1	99.9	93.9	101.5
Manufacturing . . . . .	100.1	99.1	99.7	99.4	100.1
Transportation and public utilities . . . . .	100.2	100.2	100.7	100.4	100.0
Wholesale and retail trade . . . . .	101.9	100.8	100.5	100.1	100.6
Finance, insurance, and real estate . . . . .	99.7	98.8	101.0	99.9	99.8
Service and miscellaneous . . . . .	101.7	98.5	99.4	98.0	100.8
Government . . . . .	96.7	100.0	100.0	100.0	103.8
Federal . . . . .	100.0	100.0	100.0	100.0	100.0
State and local . . . . .	95.3	100.0	100.0	100.0 <sup>2</sup>	105.1

<sup>1</sup> Excludes adjustment caused by revision to the classification in the 1957 *SIC Manual* and by the addition of categories of employees not previously included in estimates.

<sup>2</sup> State and local benchmark derived from October 1962 *Census of Governments*. Last previous revision of estimates was made to benchmarks based on April 1957 *Census of Governments*.

Compared with the benchmark count of 55.2 million workers on establishment payrolls for March 1963, the total nonagricultural figure based on the sample was higher by 530,000, or 1 percent. Of the eight broad industry divisions, six, accounting for about 80 percent of nonfarm employment at that time, differed by less than 1 percent--mining, manufacturing, transportation-public utilities, trade, finance-insurance-real estate, and service. Of the two remaining divisions, contract construction estimates were 1.5 percent higher than the benchmark and government estimates were 4 percent higher, caused by a revision of the State and local government series.

About 30 percent of total nonagricultural employment is in manufacturing. For this division, with 16.7 million employees, the difference between the benchmark and the estimate was only 0.1 percent. Because turns in the economy are frequently forecast by changes first occurring in this sector, the accuracy of employment estimates for manufacturing is particularly important.

Due to the importance of manufacturing, estimates are published in substantial industry detail. Of the 21 major manufacturing groups, 16 groups, with over 80 percent of manufacturing employment, differed from the benchmark by 1 percent or less

(table 3). Shifts in the industrial classification of several large plants caused much of the difference in ordnance, machinery, and electrical equipment. The effect of changes in industry classification is discussed in detail in the next section.

The major manufacturing industry groups are further subdivided, into the 3- and 4-digit (SIC) industries for which employment estimates are presented in this publication each month. Of the 120 3-digit industries, 96, or more than three-fourths, varied from their benchmarks by less than 3 percent (table 4).

The government estimates differed from the benchmark by 4 percent because of revision in the State and local government series. The Federal employment figure is not revised, since the monthly data are total counts prepared by the U.S. Civil Service Commission. State and local government estimates had been projected from a benchmark derived from the 1957 *Census of Governments*. The March 1963 benchmark is derived from the October 1962 *Census of Governments*. The long interval between benchmarks--5 years instead of the 1-year interval at which benchmarks can be constructed for most other sectors--contributed to the relatively large difference between the estimates and benchmark, particularly in the public education series. From October 1957 to October 1962, the estimates showed an average growth of 5 percent per year; whereas, the actual annual average growth was 4 percent during that period.

### Reasons Estimates Differ from Benchmarks

Benchmarks and estimates differ mainly because the change that is actually occurring in employment is not precisely reflected by the experience of establishments included in the sample. As the number of employees included in the sample establishments approaches the complete count, the sampling error, or the gap between the results obtained from a sample and those that would have been secured if a complete count had been taken, diminishes. However, important constraints operate to limit the size of the sample. Cost and promptness in publishing the estimates each month are prime considerations. To mail, review, and prepare estimates from several million reports, even with the use of modern high-speed equipment, would be excessively expensive and time-consuming compared with the cost of publishing estimates derived from the approximately 130,000 reports which constitute the BLS sample.

Table 3. Comparison of BLS Manufacturing Employment Estimates with  
March 1963 Benchmarks by Major Industry Group

(Workers in thousands)

Major industry group	Employment		Difference between benchmark and estimate	
	Benchmark	BLS estimate	Number of employees	Percent
Manufacturing . . . . .	16,731	16,756	25	0.1
Durable goods . . . . .	9,477	9,508	31	0.3
Ordinance and accessories . . . . .	273.6	277.9	4.3	1.6
Lumber and wood products, except furniture . . . . .	561.0	560.9	- .1	(1)
Furniture and fixtures . . . . .	382.5	383.0	.5	.1
Stone, clay, and glass products . . . . .	569.6	574.1	4.5	.8
Primary metal industries . . . . .	1,158.1	1,151.9	- 6.2	- .5
Fabricated metal products . . . . .	1,120.9	1,121.5	.6	.1
Machinery . . . . .	1,525.7	1,514.4	-11.3	- .7
Electrical equipment and supplies . . . . .	1,552.9	1,577.4	24.5	1.6
Transportation equipment . . . . .	1,600.4	1,603.7	3.3	.2
Instruments and related products . . . . .	359.9	366.0	6.1	1.7
Miscellaneous manufacturing industries . . . . .	372.0	377.0	5.0	1.3
Nondurable goods . . . . .	7,254	7,248	- 6	- .1
Food and kindred products . . . . .	1,664.1	1,658.2	- 5.9	- .4
Tobacco manufactures . . . . .	79.9	80.8	.9	1.1
Textile mill products . . . . .	884.2	884.8	.6	.1
Apparel and related products . . . . .	1,290.4	1,301.2	10.8	.8
Paper and allied products . . . . .	612.9	613.2	.3	(1)
Printing, publishing, and allied industries . . . . .	910.6	907.7	- 2.9	- .3
Chemicals and allied products . . . . .	858.4	858.1	- .3	(1)
Petroleum refining and related industries . . . . .	187.1	185.7	- 1.4	- .7
Rubber and miscellaneous plastic products . . . . .	415.1	406.6	- 8.5	-2.0
Leather and leather products . . . . .	351.7	351.5	- .2	- .1

<sup>1</sup> Less than 0.05 percent.

Table 4. Distribution of 3-Digit SIC Manufacturing Industries,<sup>1</sup>  
by Size of Industry and Percent Difference between  
BLS Estimates and March 1963 Benchmarks

Percent difference	Total number of industries	Size of industry (number of employees)			
		Under 50,000	50,000 to 99,999	100,000 to 199,999	200,000 and over
Total . . .	120	23	37	34	26
0-0.9 . . . .	47	8	13	13	13
1.0-2.9 . . .	49	11	12	16	10
3.0-4.9 . . .	18	2	9	5	2
5.0-6.9 . . .	2	0	1	0	1
7.0-8.9 . . .	0	0	0	0	0
9.0 and over	4	2	2	0	0

<sup>1</sup> 3-digit industries classified according to the 1957 *Standard Industrial Classification Manual* and published by BLS.

Within the confines of the financial and personnel resources available, the objective is to design a sample which will minimize the error in the resulting estimates. Here a knowledge of employment fluctuations in the various industries is brought into play. A relatively small sample may suffice for industries in which employment is either relatively stable or fluctuates in regular seasonal patterns. However, in industries where employment movements are highly sensitive to economic conditions and cyclical changes, a larger sample coverage is needed. Manufacturing industries, particularly durable-goods producing industries, illustrate this condition. Fortunately, hard-goods manufacturing industries are frequently characterized by large units so that a sample consisting of relatively few reports might represent a substantial part of total employment.

In addition to sampling and reporting errors, the other major reason that estimates differ from the benchmark levels is the change in industrial classification of establishments since the last previous benchmark adjustment. Establishments are classified by industry according to their major product. Many plants make more than one product. When the composition of their output changes so that what was once a secondary product becomes a primary one, the classification of the establishment is changed to the industry of its new major product. This change is not introduced into the employment estimates at the time it occurs, but only at the time of the annual benchmark adjustment, on the basis of product information reported annually. Thus, differences between estimates and benchmarks for an industry may result because the estimates are tied to the former benchmark levels and do not reflect intervening classification changes.

## Relation of Benchmarks to Hours, Earnings and Labor Turnover Series

The BLS computes series on average hourly earnings, average weekly hours, and labor turnover rates for a large number of industries. For the primary estimating group--the most detailed industries--the hours, earnings, and labor turnover series are computed directly from reported figures. Series for more inclusive industries, however, require a weighting mechanism to yield meaningful averages. To compute this average for the broader industry groupings, the average in each industry is weighted by the number of workers in that industry. The benchmarks provide a means of maintaining the accuracy of these weights.

Differences between the benchmarks and the estimates may result in a reallocation of weights. However, to influence the average for a broad group, the changes have to be large and must affect industries which have substantially higher or lower averages than do other industries in their group. The changes caused by using employment figures revised to the latest benchmark (March 1963), as weights for hours, earnings, and labor turnover, were small.<sup>2</sup>

## Only Benchmarks Published for Some Industries

Benchmarks for industry divisions are actually the aggregates of a large number of primary industry benchmarks<sup>3</sup> or combinations of the primary industries. Employment estimates for most of the industries are published monthly. However, for a number of industries, particularly in the service division, the estimates fall short of established standards and cannot be published separately on a monthly basis. They are, therefore, absorbed in totals for more inclusive industry aggregates.

The employment estimates for the industries which are not published each month can, however, be published for the benchmark month. The employment benchmarks for these individual industries, together with the industry division totals, are provided in table 5 for the most recent benchmark periods: March 1959, March 1961, March 1962, and March 1963.

<sup>2</sup>For detailed descriptions of the methods used in preparing these series, see the following BLS technical notes: "Measurement of Employment, Hours, and Earnings in Nonagricultural Industries," and "Measurement of Labor Turnover," available upon request to the Bureau of Labor Statistics, while the supply lasts.

<sup>3</sup>The finest subdivision (4-digit) shown in the 1957 *Standard Industrial Classification Manual* prepared by the Bureau of the Budget.

**Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963**

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
Total industries <sup>1</sup> . . . . .		55,184	54,442	52,787	52,093
Mining <sup>1</sup> . . . . .	10-14	614	645	658	731
Lead and zinc ores . . . . .	103	9.7	10.8	10.9	12.3
Other metal ores . . . . .	104-6,8,9	17.3	19.3	21.0	20.6
Anthracite Coal . . . . .	11	11.4	12.1	14.1	18.6
Crushed and broken stone . . . . .	142	37.1	37.4	38.4	38.7
Sand and gravel . . . . .	144	34.1	34.5	35.8	36.7
Quarrying and nonmetallic mining, not elsewhere classified . . . . .	141,5,7-9	34.8	35.4	36.4	35.8
Contract construction <sup>1</sup> . . . . .	15-17	2,518	2,480	2,457	2,562
Plumbing and heating, and air conditioning . . . . .	171	315.1	302.5	304.0	304.0
Painting, paperhanging, and decorating . . . . .	172	116.5	114.8	114.7	123.8
Electrical work . . . . .	173	196.3	187.9	185.2	179.8
Masonry, stonework, tile-setting, and plastering . . . . .	174	220.0	207.9	205.1	224.3
Carpentering and wood flooring . . . . .	175	74.6	71.1	68.7	70.8
Roofing and sheetmetal work . . . . .	176	94.3	91.4	90.2	93.5
Concrete work . . . . .	177	56.9	56.1	48.7	52.3
Other special trade contractors . . . . .	178,9	225.9	226.5	220.1	221.4
Manufacturing <sup>1</sup> . . . . .	19-39	16,731	16,618	15,915	16,441
Durable goods <sup>1</sup> . . . . .	19,24,25, 32-39	9,477	9,377	8,803	9,296
Special products sawmills and planing mills . . . . .	2426,9	33.7	34.2	31.9	35.1
Prefabricated wooden buildings and structural members . . . . .	2433	12.9	13.3	12.6	12.6
Wooden containers, except boxes and crates . . . . .	2433,5	8.6	9.0	9.5	10.6
Household furniture, not elsewhere classified . . . . .	2514,9	33.2	32.9	30.1	34.1
Public building and related furniture . . . . .	253	20.2	19.6	19.7	20.9
Miscellaneous furniture and fixtures . . . . .	259	20.1	20.1	19.1	21.9
Glass products made of purchased glass . . . . .	323	18.9	18.0	16.2	17.0
Clay refractories . . . . .	3255	12.8	14.7	14.1	16.1
Other structural clay products . . . . .	3253,9	24.1	23.2	23.6	25.8
Cut stone and stone products . . . . .	328	17.5	17.5	18.0	18.0
Abrasives, asbestos, and miscellaneous non-metallic mineral products . . . . .	329	100.3	100.0	94.0	104.9
Asbestos products . . . . .	3292	21.9	23.1	22.4	22.2
Miscellaneous nonmetallic mineral products . . . . .	3293,5-7,9	55.1	53.7	50.6	54.3
Steel pipe and tubes . . . . .	3317	21.1	22.7	21.5	26.6
Steel finishing mills and electrometallurgical products . . . . .	3313,5,6	47.9	50.7	44.0	51.4
Primary smelting and refining of nonferrous metals . . . . .	333	52.9	54.0	52.1	57.9
Primary smelting and refining of copper . . . . .	3331	15.4	15.9	14.4	14.9



Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963 - Continued

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
Durable goods—Continued					
Primary smelting and refining of lead . . . . .	3332	3.2	3.3	4.8	5.4
Primary smelting and refining of zinc . . . . .	3333	8.7	9.0	7.3	9.8
Primary production of aluminum . . . . .	3334	18.1	17.9	16.3	19.0
Primary smelting and refining of nonferrous metals, not elsewhere classified . . . . .	3339	7.5	7.9	9.3	8.8
Secondary smelting and refining of nonferrous metals . . . . .	334	13.8	14.0	12.5	13.2
Other nonferrous rolling, drawing and extruding . .	3356	17.3	17.2	17.3	16.9
Primary metal industries, not elsewhere classified . . . . .	3392,9	17.9	18.1	15.6	14.8
Metal barrels, drums, kegs, and pails . . . . .	3491	10.8	10.8	10.8	10.1
Miscellaneous fabricated metal products, not elsewhere classified . . . . .	3492,3,6,7,9	40.4	37.5	32.4	32.0
Elevators and moving stairways . . . . .	3534	14.2	13.9	13.1	13.3
Industrial trucks, tractors, trailers, and stackers .	3537	20.2	19.9	18.7	18.2
Paper industries machinery . . . . .	3554	18.6	17.5	16.8	15.8
Printing trades machinery and equipment . . . . .	3555	24.1	24.5	23.7	21.3
Special industry machinery, not elsewhere classified . . . . .	3553,9	53.8	54.6	51.0	55.6
Blowers, exhaust and ventilating fans . . . . .	3564	24.2	23.2	21.4	21.1
General industrial machinery and equipment, not elsewhere classified . . . . .	3565,7,9	47.8	45.7	42.9	39.4
Typewriters . . . . .	3572	18.9	18.6	20.5	21.6
Scales, balances, and office machines, not elsewhere classified . . . . .	3576,9	24.0	24.8	23.3	22.8
Other service industry machinery . . . . .	3581,2,4,6,9	38.7	39.5	36.9	34.5
Carbon and graphite products . . . . .	3624	11.1	11.2	10.8	10.5
Other electrical industrial apparatus . . . . .	3623,9	20.3	23.9	22.2	20.6
Sewing machines . . . . .	3636	9.6	9.5	11.5	10.6
Other household appliances . . . . .	3631,5,9	36.4	35.7	35.2	37.3
Storage batteries . . . . .	3691	18.0	17.3	15.8	16.1
Primary batteries . . . . .	3692	8.2	9.5	8.3	9.4
Miscellaneous electrical machinery, equipment and supplies, not elsewhere classified . . . . .	3693,9	15.7	16.7	16.3	16.6
Truck trailers . . . . .	3715	21.1	19.6	15.4	20.1
Locomotives and parts . . . . .	3741	16.1	15.1	12.8	17.2
Railroad and streetcars . . . . .	3742	27.0	25.2	21.6	22.2
Optical instruments and lenses . . . . .	383	13.8	12.7	12.2	10.9
Ophthalmic goods . . . . .	385	27.6	27.8	26.4	27.5
Jewelry (precious metal) and cutting and polishing precious stones . . . . .	3911-3	29.7	30.5	28.7	27.6
Silverware and plated ware . . . . .	3914	11.5	11.4	13.3	15.0
Musical instruments and parts . . . . .	393	20.7	20.7	19.0	18.5
Other miscellaneous manufacturing industries . . .	398,9	134.1	133.9	130.0	136.5

**Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963 - Continued**

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
Nondurable goods <sup>1</sup> .....	20-23,26-31	7,254	7,241	7,112	7,145
Condensed milk .....	2023	14.1	14.5	15.2	16.0
Other dairy products .....	2021,2,5	36.6	38.7	40.0	39.4
Dried, dehydrated, and pickled fruits and vegetables, etc. ....	2034,5	26.9	25.9	26.3	25.6
Wet corn milling .....	2046	16.8	16.9	16.4	17.2
Other grain mill products .....	2043-5	21.6	21.0	20.6	20.8
Cane sugar, except refining only .....	2061	9.4	8.6	9.1	9.6
Cane sugar refining .....	2062	13.2	13.5	14.6	16.3
Beet sugar, .....	2063	7.2	7.0	7.3	7.1
Chocolate and cocoa products, chewing gum .....	2072,3	14.6	14.7	14.6	13.5
Distilled liquors .....	2085	20.1	20.0	20.5	21.3
Other beverages and related products .....	2083,4,7	17.3	17.3	17.4	17.8
Vegetable oils and fats .....	2091-3	20.1	20.3	21.3	22.6
Miscellaneous food preparations .....	2094-9	121.2	120.4	118.1	116.3
Tobacco (chewing and smoking) and snuff .....	213	5.7	5.7	5.9	6.5
Tobacco stemming and redrying .....	214	13.6	14.2	13.7	12.8
Knit fabrics and knitting, not elsewhere classified .....	2256,9	22.3	20.3	19.3	18.3
Yarn spinning .....	2281,3	76.2	79.5	76.1	87.1
Yarn throwing and thread mills .....	2282,4	23.5	23.3	20.6	21.4
Cordage and twine .....	2298	11.0	10.2	9.6	11.4
Miscellaneous textile goods, not elsewhere classified .....	2291-7,9	55.4	56.0	53.5	61.1
Men's and boys' underwear .....	2322	14.4	14.1	13.1	12.4
Men's and boys' clothing, not elsewhere classified .....	2323,9	51.5	50.2	45.4	46.0
Girls' and children's outerwear, not elsewhere classified .....	2363,9	43.1	43.1	40.3	39.5
Fur goods .....	237	7.9	8.3	7.8	8.8
Miscellaneous apparel and accessories .....	238	63.9	63.0	59.4	59.6
Dress and work gloves, except knit and all leather .....	2381	14.8	14.4	13.8	14.4
Miscellaneous apparel and accessories, not elsewhere classified .....	2384-7,9	49.1	48.6	45.6	45.2
Textile bags .....	2393	8.7	8.9	9.0	9.1
Miscellaneous fabricated textile products, not elsewhere classified .....	2394-7,9	84.6	81.6	79.0	72.8
Other converted pulp and paperboard products, not elsewhere classified .....	2641,2,4-6,9	110.7	109.0	102.9	91.6
Sanitary food containers .....	2654	29.8	28.2	27.0	22.4
Fiber cans, tubes, drums, and similar products ..	2655	14.0	13.0	10.9	12.6
Engraving and plate printing .....	2753	11.0	10.7	10.3	10.5
Greeting cards .....	277	19.5	19.6	19.1	18.5

**Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963 - Continued**

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
Nondurable goods—Continued					
Other publishing and printing industries not elsewhere classified . . . . .	274,6,9	92.5	91.7	89.5	83.7
Alkalies and chlorine . . . . .	2812	23.5	24.1	22.6	24.0
Industrial organic chemicals, not elsewhere classified . . . . .	2818	109.2	112.4	110.2	106.6
Industrial inorganic chemicals, not elsewhere classified . . . . .	2819	93.7	92.6	93.8	91.9
Industrial gases, cyclic crude dyes, and pigments . . . . .	2813-6	55.0	53.1	51.8	53.4
Synthetic rubber . . . . .	2822	13.4	13.0	11.0	10.1
Other drugs and medicines . . . . .	2831,3	28.9	27.9	26.6	29.0
Other cleaning, polishing, and sanitation preparations . . . . .	2842,3	27.1	27.1	26.9	24.2
Agricultural chemicals, except fertilizer . . . . .	2873,9	12.5	12.1	11.3	9.2
Gum and wood chemicals . . . . .	286	8.5	8.2	8.8	7.7
Miscellaneous chemical products . . . . .	289	73.5	72.6	69.4	70.1
Explosives . . . . .	2892	20.1	19.7	17.6	17.6
Other chemical products, not elsewhere classified . . . . .	2891,3-5,9	53.4	52.9	51.8	52.5
Rubber footwear . . . . .	302	27.9	26.8	22.9	21.6
Reclaimed rubber and other rubber products, not elsewhere classified . . . . .	303,6	135.4	130.5	118.0	128.3
Boot and shoe cut stock . . . . .	313	14.6	17.1	17.7	18.2
Luggage . . . . .	316	16.6	15.7	14.6	15.8
Handbags and other personal leather goods . . . . .	317	38.0	38.1	36.1	36.6
Other leather products, not elsewhere classified . . . . .	312,5,9	16.8	16.7	16.3	17.5
Transportation and public utilities <sup>1</sup> . . . . .	40-49	3,847	3,865	3,846	3,959
Class II railroads . . . . .	4011-2	13.4	15.0	15.6	17.5
Class I switching and terminal companies . . . . .	4013-1	33.4	36.2	35.7	42.9
Class II switching and terminal companies . . . . .	4013-2	8.5	9.0	9.7	10.2
Other services allied to highway transportation . . . . .	414,5,7	31.3	27.7	25.3	19.0
Motor freight transportation . . . . .	421,3	793.6	774.2	729.9	725.7
Public warehousing . . . . .	422	77.7	77.5	80.3	82.4
Water transportation . . . . .	44	224.1	220.8	222.4	231.7
Deep sea transportation . . . . .	441,2	83.2	83.4	84.3	83.3
Great Lakes-St. Lawrence Seaway transportation . . . . .	443	2.2	2.8	2.8	4.0
Local water transportation . . . . .	444,5	29.2	29.2	27.6	29.5
Services incidental to water transportation . . . . .	446	109.5	105.4	107.7	114.9

**Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963 - Continued**

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
<b>Transportation and public utilities<sup>1</sup>—Continued</b>					
Fixed facilities and services related to air transportation . . . . .	458	21.4	21.0	20.2	17.2
Transportation services, not elsewhere classified . . . . .	47	79.5	76.8	74.6	68.6
Communication services, not elsewhere classified . . . . .	489	4.9	4.3	4.1	1.6
<b>Wholesale and retail trade<sup>1</sup> . . . . .</b>	<b>50,52-59</b>	<b>11,434</b>	<b>11,213</b>	<b>11,051</b>	<b>10,771</b>
Farm products-raw materials (wholesale) . . . . .	505	91.7	92.3	95.2	91.8
Miscellaneous wholesalers . . . . .	509	1,040.7	1,037.8	1,017.7	1,006.3
Building materials, hardware, and farm equipment . . . . .	52	507.7	508.1	518.7	532.8
Mail order houses . . . . .	532	92.8	91.1	89.0	85.2
Limited price variety stores . . . . .	533	293.8	305.8	300.3	304.8
Other general merchandising . . . . .	534,5,9	227.5	224.9	219.2	202.8
Candy, nut, and confectionery stores . . . . .	544	28.8	28.4	31.9	34.2
Retail bakeries . . . . .	546	95.3	93.0	94.2	90.7
Other food stores . . . . .	545,9	45.2	44.3	45.5	47.3
Automotive dealers and gasoline service stations. . . . .	55	1,300.1	1,247.7	1,222.1	1,216.6
New and used car dealers . . . . .	551	620.6	591.9	589.5	602.8
Used car dealers . . . . .	552	43.2	40.7	41.6	42.1
Gasoline service stations . . . . .	554	485.8	472.0	453.3	440.0
Women's accessory and specialty stores . . . . .	563	30.5	32.0	35.2	36.3
Other clothing stores . . . . .	564,7-9	37.1	36.7	37.4	38.9
Furniture and home furnishings . . . . .	571	243.4	240.2	239.4	241.9
Household appliance stores . . . . .	572	84.1	87.7	89.8	92.4
Radio, television, and music stores . . . . .	573	58.3	58.7	56.9	55.1
Miscellaneous retail stores . . . . .	59	990.5	978.4	954.5	919.2
Book and stationery stores . . . . .	594	51.3	51.9	53.1	52.8
Farm and garden supply stores . . . . .	596	91.8	90.8	91.6	89.4
Jewelry stores . . . . .	597	61.7	62.7	63.1	64.1
Fuel and ice dealers . . . . .	598	113.0	113.4	111.2	112.0
Retail trade, not elsewhere classified . . . . .	592,3,5,9	297.7	292.0	271.3	256.4
<b>Finance, insurance, and real estate<sup>1</sup> . . . . .</b>	<b>60-67</b>	<b>2,832</b>	<b>2,757</b>	<b>2,684</b>	<b>2,548</b>
Other credit agencies . . . . .	611,3,5,6	51.5	46.9	43.3	36.6

**Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963 - Continued**

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
Finance, insurance, and real estate <sup>1</sup> -Continued					
Other insurance carriers . . . . .	635,6,9	42.9	39.9	38.9	39.6
Subdividers and developers . . . . .	655	54.3	43.0	42.3	39.9
Real estate, other . . . . .	651,3,4	426.0	424.9	412.5	423.8
Combination of real estate, insurance, loans, law offices . . . . .	66	51.7	53.5	54.3	57.2
Holdings and other investment companies . . . . .	67	25.9	22.8	20.7	18.1
Service and miscellaneous <sup>1</sup> . . . . .	70-86,89 99,07-09	8,014	7,731	7,407	6,925
Other lodging places . . . . .	702-4	46.2	41.4	41.5	40.6
Personal services . . . . .	72	915.4	895.8	882.7	875.7
Photographic studios . . . . .	722	32.7	31.8	32.1	31.7
Beauty shops . . . . .	723	186.6	168.7	156.6	138.1
Barber shops . . . . .	724	71.7	73.7	73.6	73.4
Funeral services and crematories . . . . .	726	54.6	53.0	51.6	47.7
Pressing, alteration, and garment repair . . . . .	727	29.7	31.6	31.5	35.1
Other personal services . . . . .	725,9	26.8	28.2	28.6	29.6
Miscellaneous business services . . . . .	73	912.7	846.9	778.6	669.9
Credit reporting and collection agencies . . . . .	732	58.5	56.3	53.0	48.5
Duplicating, mailing, blueprinting, stenographic services . . . . .	733	57.8	57.4	54.7	53.0
Services to buildings . . . . .	734	144.8	129.1	116.2	92.7
Other business services . . . . .	735,6,9	542.7	495.7	447.3	373.2
Automobile repair, automobile services, and garages . . . . .	75	296.8	276.8	259.6	239.7
Automobile rentals, without drivers . . . . .	751	29.3	25.2	23.3	19.5
Automobile parking . . . . .	752	33.9	33.8	33.6	33.2
Auto repair and services . . . . .	753,4	233.6	217.8	202.7	187.0
Miscellaneous repair services . . . . .	76	143.8	138.3	132.4	124.1
Electrical repair shops . . . . .	762	48.9	47.2	44.9	42.2
Other miscellaneous repair services . . . . .	763,4,9	94.9	91.1	87.5	81.9
Motion picture filming . . . . .	7811	28.9	28.6	32.0	25.2
Motion picture distributing . . . . .	7812	12.4	13.4	15.1	18.3
Amusement and recreation services, except motion pictures . . . . .	79	334.9	318.9	306.9	281.2
Bowling alleys and billiard parlors . . . . .	793	105.9	101.9	97.9	77.6
Other winter amusements . . . . .	791,2	59.9	60.7	61.5	65.3
Summer amusements . . . . .	794	169.1	156.2	147.5	138.3

**Table 5. Employment estimates for industries not published monthly,<sup>1</sup>  
March 1959, 1961, 1962, and 1963 - Continued**

Industry title	Industry code	All employees (in thousands)			
		March 1963	March 1962	March 1961	March 1959
Service and miscellaneous <sup>1</sup> —Continued					
Medical and other health services . . . . .	80	1,900.4	1,819.4	1,703.7	1,519.6
Offices of physicians and surgeons . . . . .	801	259.2	239.4	218.4	207.1
Offices of dentists and dental surgeons . . . . .	802	97.2	92.3	83.4	80.0
Other medical services . . . . .	803,4,7,9	247.8	255.3	230.4	183.7
Legal services . . . . .	81	163.3	155.2	146.0	135.9
Educational services . . . . .	82	864.3	825.9	783.8	748.0
Elementary and secondary schools (private) . . . .	821	291.9	285.7	274.0	249.2
Higher educational institutions (private) . . . . .	822	511.8	492.4	463.0	441.0
Other educational services (private) . . . . .	823,4,9	60.6	47.8	46.8	57.8
Museums, art galleries, botanical and zoological gardens . . . . .	84	9.6	9.2	9.2	7.9
Nonprofit membership organizations . . . . .	86	1,148.0	1,148.4	1,135.7	1,079.1
Business associations . . . . .	861	56.2	54.6	52.2	50.5
Labor organizations . . . . .	863	107.7	107.9	104.4	101.8
Religious and charitable organizations . . . . .	866,7	829.7	829.5	826.2	775.3
Other nonprofit membership organizations, excluding religious and charitable organizations . . . . .	862,4,5,9	154.4	156.4	152.9	151.5
Miscellaneous services . . . . .	89	406.1	390.5	369.9	327.2
Engineering and architectural services . . . . .	891	210.0	200.5	187.7	175.4
Nonprofit educational and scientific research organizations . . . . .	892	62.2	61.0	59.2	38.7
Other miscellaneous services . . . . .	893,9	133.9	129.0	123.0	113.1
Agricultural services, forestry, and fisheries . . .	07-09	172.0	166.6	168.6	166.2
Nonclassifiable establishments . . . . .	99	19.4	26.0	19.7	53.1
Government <sup>1</sup> . . . . .	91-93	9,194	9,133	8,769	8,156

<sup>1</sup> Includes overall total and industry division totals which are published regularly.

Table A-1: Employment status of the noninstitutional population 14 years and over, 1929 to date

(In thousands)											
Year and month	Total noninsti- tutional popu- lation	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of popu- lation	Total	Employed <sup>1</sup>			Unemployed <sup>1</sup>			
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force		
									Not season- ally adjusted	Season- ally adjusted	
1929.....	(2)	49,440	(2)	49,180	47,630	10,450	37,180	1,550	3.2	-	(2)
1930.....	(2)	50,080	(2)	49,820	45,480	10,340	35,140	4,340	8.7	-	(2)
1931.....	(2)	50,680	(2)	50,420	42,400	10,290	32,110	8,020	15.9	-	(2)
1932.....	(2)	51,250	(2)	51,000	38,940	10,170	28,770	12,060	23.6	-	(2)
1933.....	(2)	51,840	(2)	51,590	38,760	10,090	28,670	12,830	24.9	-	(2)
1934.....	(2)	52,490	(2)	52,230	40,890	9,900	30,990	11,340	21.7	-	(2)
1935.....	(2)	53,140	(2)	52,870	42,260	10,110	32,150	10,610	20.1	-	(2)
1936.....	(2)	53,740	(2)	53,440	44,410	10,000	34,410	9,030	16.9	-	(2)
1937.....	(2)	54,320	(2)	54,000	46,300	9,820	36,480	7,700	14.3	-	(2)
1938.....	(2)	54,950	(2)	54,610	44,220	9,690	34,530	10,390	19.0	-	(2)
1939.....	(2)	55,600	(2)	55,230	45,750	9,610	36,140	9,480	17.2	-	(2)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
1948.....	108,632	62,898	57.9	61,442	59,117	7,960	51,156	2,325	3.8	-	45,733
1949.....	109,773	63,721	58.0	62,105	58,423	8,017	50,406	3,682	5.9	-	46,051
1950.....	110,929	64,749	58.4	63,099	59,748	7,497	52,251	3,351	5.3	-	46,181
1951.....	112,075	65,983	58.9	62,884	60,784	7,048	53,736	2,099	3.3	-	46,092
1952.....	113,270	66,560	58.8	62,966	61,035	6,792	54,243	1,932	3.1	-	46,710
1953 <sup>3</sup> .....	115,094	67,362	58.5	63,815	61,945	6,555	55,390	1,870	2.9	-	47,732
1954.....	116,219	67,818	58.4	64,468	60,890	6,495	54,395	3,578	5.6	-	48,401
1955.....	117,388	68,896	58.7	65,848	62,944	6,718	56,225	2,904	4.4	-	48,492
1956.....	118,734	70,387	59.3	67,530	64,708	6,572	58,135	2,822	4.2	-	48,348
1957.....	120,445	70,744	58.7	67,946	65,011	6,222	58,789	2,936	4.3	-	49,699
1958.....	121,950	71,284	58.5	68,647	63,966	5,844	58,122	4,681	6.8	-	50,666
1959.....	123,366	71,946	58.3	69,394	65,581	5,836	59,745	3,813	5.5	-	51,420
1960 <sup>4</sup> .....	125,368	73,126	58.3	70,612	66,681	5,723	60,958	3,931	5.6	-	52,242
1961.....	127,852	74,175	58.0	71,603	66,796	5,463	61,333	4,806	6.7	-	53,677
1962 <sup>5</sup> .....	130,081	74,681	57.4	71,854	67,846	5,190	62,657	4,007	5.6	-	55,400
1963.....	132,124	75,712	57.3	72,975	68,809	4,946	63,863	4,166	5.7	-	56,412
1963: November.....	132,853	76,000	57.2	73,261	69,325	4,777	64,548	3,936	5.4	5.9	56,852
December.....	133,025	75,201	56.5	72,461	68,615	4,039	64,576	3,846	5.3	5.5	57,824
1964: January.....	133,200	74,514	55.9	71,793	67,228	3,993	63,234	4,565	6.4	5.6	58,685
February.....	133,358	75,259	56.4	72,527	68,002	3,931	64,071	4,524	6.2	5.4	58,099
March.....	133,519	75,553	56.6	72,810	68,517	4,017	64,500	4,293	5.9	5.4	57,965
April.....	133,678	76,544	57.3	73,799	69,877	4,429	65,448	3,921	5.3	5.4	57,135
May.....	133,866	77,490	57.9	74,742	71,101	5,007	66,094	3,640	4.9	5.1	56,376
June.....	134,041	79,389	59.2	76,645	71,953	5,853	66,100	4,692	6.1	5.3	54,652
July.....	134,216	78,958	58.8	76,218	72,405	5,819	66,586	3,813	5.0	4.9	55,258
August.....	134,400	78,509	58.4	75,758	72,104	5,400	66,704	3,654	4.8	5.1	55,891
September.....	134,586	76,865	57.1	74,122	70,805	5,230	65,575	3,317	4.5	5.2	57,721
October.....	134,772	77,112	57.2	74,375	71,123	5,126	65,997	3,252	4.4	5.2	57,661
November.....	134,952	76,897	57.0	74,166	70,793	4,545	66,248	3,373	4.5	5.0	58,055

<sup>1</sup>Data for 1947-56 adjusted to reflect changes in the definition of employment and unemployment adopted in January 1957. Two groups averaging about one-quarter million workers which were formerly classified as employed (with a job but not at work)—those on temporary layoff and those waiting to start new wage and salary jobs within 30 days—were assigned to different classifications, mostly to the unemployed. Data by sex, shown in table A-2, were adjusted for the years 1948-56.

<sup>2</sup>Not available.

<sup>3</sup>Beginning 1953, labor force and employment figures are not strictly comparable with previous years as a result of the introduction of material from the 1950 Census into the estimating procedure. Population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for total and males. Other categories were relatively unaffected.

<sup>4</sup>Data include Alaska and Hawaii beginning 1960 and are therefore not strictly comparable with previous years. This inclusion has resulted in an increase of about half a million in the noninstitutional population 14 years of age and over, and about 300,000 in the labor force, four-fifths of this in nonagricultural employment. The levels of other labor force categories were not appreciably changed.

<sup>5</sup>Figures for periods prior to April 1962 are not strictly comparable with current data because of the introduction of 1960 Census data into the estimation procedure. The change primarily affected the labor force and employment totals, which were reduced by about 200,000. The unemployment totals were virtually unchanged.

## HOUSEHOLD DATA

2

Table A-2: Employment status of the noninstitutional population 14 years and over,  
by sex, 1940, 1944, and 1947 to date  
(In thousands)

Sex, year, and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force	
		Number	Percent of population	Total	Employed <sup>1</sup>			Unemployed <sup>1</sup>				
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force			
									Not seasonally adjusted	Seasonally adjusted		
<b>MALE</b>												
1940.....	50,080	42,020	83.9	41,480	35,550	8,450	27,100	5,930	14.3	-	8,060	
1944.....	51,980	46,670	89.8	35,460	35,110	7,020	28,090	350	1.0	-	5,310	
1947.....	53,085	44,844	84.5	43,272	41,677	6,953	34,725	1,595	3.7	-	8,242	
1948.....	53,513	45,300	84.7	43,858	42,268	6,623	35,645	1,590	3.6	-	8,213	
1949.....	54,028	45,674	84.5	44,075	41,473	6,629	34,844	2,602	5.9	-	8,354	
1950.....	54,526	46,069	84.5	44,442	42,162	6,271	35,891	2,280	5.1	-	8,457	
1951.....	54,996	46,674	84.9	43,612	42,362	5,791	36,571	1,250	2.9	-	8,322	
1952.....	55,503	47,001	84.7	43,454	42,237	5,623	36,614	1,217	2.8	-	8,502	
1953 <sup>2</sup> .....	56,534	47,692	84.4	44,194	42,966	5,496	37,470	1,228	2.8	-	8,840	
1954.....	57,016	47,847	83.9	44,537	42,165	5,429	36,736	2,372	5.3	-	9,169	
1955.....	57,484	48,054	83.6	45,041	43,152	5,479	37,673	1,889	4.2	-	9,430	
1956.....	58,044	48,579	83.7	45,756	43,999	5,268	38,731	1,757	3.8	-	9,465	
1957.....	58,813	48,649	82.7	45,882	43,990	5,037	38,952	1,893	4.1	-	10,164	
1958.....	59,478	48,802	82.1	46,197	43,042	4,802	38,240	3,155	6.8	-	10,677	
1959.....	60,100	49,081	81.7	46,562	44,089	4,749	39,340	2,473	5.3	-	11,019	
1960 <sup>3</sup> .....	61,000	49,507	81.2	47,025	44,445	4,678	39,807	2,541	5.1	-	11,493	
1961.....	62,147	49,918	80.3	47,378	44,318	4,508	39,811	3,060	6.5	-	12,229	
1962 <sup>4</sup> .....	63,234	50,175	79.3	47,380	44,892	4,266	40,626	2,488	5.3	-	13,059	
1963.....	64,163	50,573	78.8	47,867	45,330	4,021	41,309	2,537	5.3	-	13,590	
1963: November.....	64,484	50,285	78.0	47,577	45,324	3,836	41,488	2,253	4.7	5.5	14,199	
December.....	64,562	49,924	77.3	47,215	44,739	3,445	41,294	2,477	5.2	5.1	14,637	
1964: January.....	64,639	49,731	76.9	47,041	44,160	3,474	40,686	2,881	6.1	5.1	14,908	
February.....	64,709	49,956	77.2	47,255	44,429	3,400	41,029	2,826	6.0	4.8	14,753	
March.....	64,781	50,123	77.4	47,411	44,730	3,432	41,299	2,681	5.7	4.8	14,658	
April.....	64,851	50,665	78.1	47,951	45,607	3,716	41,891	2,345	4.9	4.8	14,186	
May.....	64,938	51,294	79.0	48,577	46,510	4,014	42,496	2,067	4.3	4.6	13,644	
June.....	65,018	52,813	81.2	50,100	47,470	4,610	42,860	2,630	5.2	4.8	12,205	
July.....	65,097	53,057	81.5	50,347	48,164	4,593	43,571	2,183	4.3	4.5	12,041	
August.....	65,180	52,584	80.7	49,864	47,791	4,348	43,443	2,074	4.2	4.6	12,596	
September.....	65,266	51,083	78.3	48,370	46,557	4,081	42,476	1,813	3.7	4.7	14,183	
October.....	65,351	50,918	77.9	48,211	46,448	4,026	42,423	1,762	3.7	4.6	14,434	
November.....	65,432	50,709	77.5	48,008	46,152	3,666	42,487	1,856	3.9	4.5	14,723	
<b>FEMALE</b>												
1940.....	50,300	14,160	28.2	14,160	11,970	1,090	10,880	2,190	15.5	-	36,140	
1944.....	52,650	19,370	36.8	19,170	18,850	1,930	16,920	320	1.7	-	33,280	
1947.....	54,523	16,915	31.0	16,896	16,349	1,314	15,036	547	3.2	-	37,608	
1948.....	55,118	17,599	31.9	17,583	16,848	1,338	15,510	735	4.1	-	37,520	
1949.....	55,745	18,048	32.4	18,030	16,947	1,386	15,561	1,083	6.0	-	37,697	
1950.....	56,404	18,680	33.1	18,657	17,584	1,226	16,358	1,073	5.8	-	37,724	
1951.....	57,078	19,309	33.8	19,272	18,421	1,257	17,164	851	4.4	-	37,770	
1952.....	57,766	19,558	33.9	19,513	18,798	1,170	17,628	715	3.7	-	38,208	
1953 <sup>2</sup> .....	58,561	19,668	33.6	19,621	18,979	1,061	17,918	642	3.3	-	38,893	
1954.....	59,203	19,971	33.7	19,931	18,724	1,067	17,657	1,207	6.1	-	39,232	
1955.....	59,904	20,842	34.8	20,806	19,790	1,239	18,551	1,016	4.9	-	39,062	
1956.....	60,690	21,808	35.9	21,774	20,707	1,306	19,401	1,067	4.9	-	38,883	
1957.....	61,632	22,097	35.9	22,064	21,021	1,184	19,837	1,043	4.7	-	39,535	
1958.....	62,472	22,482	36.0	22,451	20,924	1,042	19,882	1,526	6.8	-	39,990	
1959.....	63,265	22,865	36.1	22,832	21,492	1,087	20,405	1,340	5.9	-	40,401	
1960 <sup>3</sup> .....	64,368	23,619	36.7	23,587	22,196	1,045	21,151	1,390	5.9	-	40,749	
1961.....	65,705	24,257	36.9	24,225	22,478	955	21,523	1,747	7.2	-	41,448	
1962 <sup>4</sup> .....	66,848	24,507	36.7	24,474	22,954	924	22,031	1,519	6.2	-	42,341	
1963.....	67,962	25,141	37.0	25,109	23,479	925	22,554	1,629	6.5	-	42,822	
1963: November.....	68,368	25,715	37.6	25,684	24,001	940	23,061	1,682	6.6	6.8	42,654	
December.....	68,463	25,277	36.9	25,246	23,877	594	23,282	1,369	5.4	6.3	43,186	
1964: January.....	68,560	24,783	36.1	24,752	23,068	520	22,548	1,684	6.8	6.5	43,777	
February.....	68,649	25,302	36.9	25,271	23,573	531	23,042	1,698	6.7	6.5	43,346	
March.....	68,738	25,430	37.0	25,399	23,786	585	23,201	1,613	6.3	6.4	43,308	
April.....	68,827	25,878	37.6	25,847	24,271	713	23,557	1,577	6.1	6.5	42,949	
May.....	68,928	26,196	38.0	26,165	24,591	993	23,598	1,574	6.0	6.2	42,732	
June.....	69,024	26,576	38.5	26,545	24,483	1,243	23,240	2,062	7.8	6.2	42,448	
July.....	69,119	25,901	37.5	25,871	24,241	1,226	23,015	1,630	6.3	5.7	43,218	
August.....	69,220	25,925	37.5	25,894	24,313	1,052	23,261	1,581	6.1	6.1	43,295	
September.....	69,320	25,782	37.2	25,752	24,248	1,149	23,099	1,503	5.8	6.0	43,538	
October.....	69,421	26,194	37.7	26,164	24,674	1,100	23,574	1,489	5.7	6.3	43,227	
November.....	69,520	26,188	37.7	26,158	24,641	879	23,762	1,517	5.8	6.0	43,332	

<sup>1</sup>See footnote 1, table A-1. <sup>2</sup>See footnote 3, table A-1. <sup>3</sup>See footnote 4, table A-1. <sup>4</sup>See footnote 5, table A-1.



Table A-3: Employment status of the noninstitutional population 14 years and over, by sex

Employment status	(In thousands)								
	Total			Male			Female		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total	134,952	134,772	132,853	65,432	65,351	64,484	69,520	69,421	68,368
Total labor force	76,897	77,112	76,000	50,709	50,918	50,285	26,188	26,194	25,715
Civilian labor force	74,166	74,375	73,261	48,008	48,211	47,577	26,158	26,164	25,684
Employed	70,793	71,123	69,325	46,152	46,448	45,324	24,641	24,674	24,001
Agriculture	4,545	5,126	4,777	3,666	4,026	3,836	879	1,100	940
Nonagricultural industries	66,248	65,997	64,548	42,487	42,423	41,488	23,762	23,574	23,061
Unemployed	3,373	3,252	3,936	1,856	1,762	2,253	1,517	1,489	1,682
Looking for full-time work	2,590	2,585	3,157	1,497	1,480	1,900	1,093	1,105	1,257
Looking for part-time work	781	667	778	358	282	353	423	385	425
Not in labor force	58,055	57,661	56,852	14,723	14,434	14,199	43,332	43,227	42,654

Table A-4: Unemployed persons, by age and sex

Age and sex	Thousands of persons			Unemployment rate			Percent distribution		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total	3,373	3,252	3,936	4.5	4.4	5.4	100.0	100.0	100.0
Male	1,856	1,762	2,253	3.9	3.7	4.7	55.0	54.2	57.3
14 to 19 years	461	368	484	13.8	10.6	14.9	13.6	11.3	12.3
14 and 15 years	36	41	43	6.5	6.6	7.9	1.1	1.3	1.1
16 to 19 years	424	327	441	15.2	11.5	16.3	12.6	10.1	11.2
20 to 24 years	313	340	329	6.6	7.1	7.4	9.3	10.5	8.4
25 to 34 years	279	258	433	2.8	2.6	4.4	8.3	7.9	11.0
35 to 44 years	276	272	361	2.5	2.4	3.2	8.2	8.4	9.2
45 to 54 years	246	225	287	2.5	2.3	2.9	7.3	6.9	7.3
55 to 64 years	216	233	268	3.2	3.4	3.9	6.4	7.2	6.8
65 years and over	66	66	91	3.2	3.1	4.4	2.0	2.0	2.3
Female	1,517	1,489	1,682	5.8	5.7	6.6	45.0	45.8	42.7
14 to 19 years	353	369	411	13.1	13.8	16.1	10.5	11.4	10.4
14 and 15 years	18	12	34	4.6	2.9	8.8	.5	.4	.9
16 to 19 years	335	357	376	14.5	15.7	17.4	9.9	11.0	9.6
20 to 24 years	247	267	281	7.5	8.1	9.2	7.3	8.2	7.1
25 to 34 years	255	237	291	5.9	5.6	6.7	7.6	7.3	7.4
35 to 44 years	291	257	307	5.1	4.5	5.4	8.6	7.9	7.8
45 to 54 years	222	212	219	3.9	3.7	3.8	6.6	6.5	5.6
55 to 64 years	112	96	128	3.2	2.7	3.8	3.3	3.0	3.3
65 years and over	37	50	46	3.9	5.3	4.9	1.1	1.5	1.2

Table A-5: Unemployed persons, by industry of last job

Industry	Unemployment rate			Percent distribution		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total	4.5	4.4	5.4	100.0	100.0	100.0
Experienced wage and salary workers	4.4	4.2	5.2	83.0	81.8	83.4
Agriculture	8.4	6.3	9.1	4.3	3.9	4.2
Nonagricultural industries	4.3	4.1	5.1	78.7	77.9	79.2
Mining, forestry, fisheries	6.3	7.2	4.9	1.1	1.4	.8
Construction	7.2	7.5	10.0	8.4	9.3	10.4
Manufacturing	4.4	4.3	5.7	25.3	25.0	27.8
Durable goods	3.7	3.8	5.2	11.9	12.4	14.3
Nondurable goods	5.4	4.9	6.4	13.5	12.5	13.4
Transportation and public utilities	2.9	2.5	3.2	4.0	3.6	3.8
Wholesale and retail trade	5.3	5.1	6.1	18.2	18.2	17.4
Finance, insurance, and real estate	2.4	1.6	2.4	2.1	1.5	1.8
Service industries	3.9	3.7	4.0	17.4	16.9	14.8
Public administration	1.9	1.6	2.7	2.1	1.9	2.5
Self-employed and unpaid family workers	.9	.8	1.1	2.7	2.5	2.9
No previous work experience	-	-	-	14.3	15.8	13.7
14 to 19 years	-	-	-	10.5	11.2	10.7
20 years and over	-	-	-	3.8	4.6	3.0

## HOUSEHOLD DATA

4

Table A-6: Unemployed persons, by occupation of last job

Occupation	Unemployment rate			Percent distribution		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total .....	4.5	4.4	5.4	100.0	100.0	100.0
White-collar workers .....	2.3	2.4	2.8	21.6	23.3	22.8
Professional and technical .....	1.2	1.4	1.6	3.4	4.0	3.5
Managers, officials, and proprietors .....	1.0	1.4	1.4	2.2	3.2	2.7
Clerical workers .....	3.6	3.4	4.4	11.7	11.3	12.2
Sales workers .....	3.2	3.3	3.8	4.4	4.8	4.3
Blue-collar workers .....	5.3	5.2	6.7	43.0	43.2	46.4
Craftsmen and foremen .....	3.3	3.5	3.9	9.4	10.2	9.4
Operatives .....	5.6	5.3	7.2	23.4	22.6	24.8
Nonfarm laborers .....	9.0	8.7	11.9	10.3	10.5	12.2
Service workers .....	5.8	4.8	5.6	16.9	14.4	13.4
Private household workers .....	4.8	4.2	4.9	3.4	3.0	3.0
Other service workers .....	6.2	5.1	5.8	13.4	11.4	10.4
Farm workers .....	3.2	2.1	3.3	4.2	3.2	3.8
Farmers and farm managers .....	.7	.5	.3	.4	.3	.2
Farm laborers and foremen .....	5.9	3.6	6.2	3.7	2.9	3.6
No previous work experience .....	-	-	-	14.3	15.8	13.7

Table A-7: Unemployed persons, by color, marital status, and household relationship

Characteristics	Thousands of persons			Unemployment rate			Percent distribution		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
<b>COLOR</b>									
Total .....	3,373	3,252	3,936	4.5	4.4	5.4	100.0	100.0	100.0
White, total .....	2,658	2,580	3,051	4.0	3.9	4.7	78.8	79.4	77.5
Male .....	1,488	1,430	1,785	3.5	3.3	4.2	44.1	44.0	45.3
Female .....	1,169	1,150	1,266	5.2	5.1	5.7	34.7	35.4	32.2
Nonwhite, total .....	715	672	885	8.5	7.9	10.7	21.2	20.6	22.5
Male .....	367	332	469	7.5	6.7	9.8	10.9	10.2	11.9
Female .....	348	339	417	9.7	9.5	12.1	10.3	10.4	10.6
<b>MARITAL STATUS</b>									
Total .....	3,373	3,252	3,936	4.5	4.4	5.4	100.0	100.0	100.0
Male .....	1,856	1,762	2,253	3.9	3.7	4.7	55.0	54.2	57.3
Married, wife present .....	823	836	1,109	2.2	2.2	3.0	24.4	25.7	28.2
Single .....	842	746	930	10.4	9.0	11.7	25.0	22.9	23.6
14 to 19 years .....	444	357	474	14.0	10.9	15.4	13.2	11.0	12.0
20 years and over .....	399	388	455	8.0	7.8	9.3	11.8	11.9	11.6
Other marital status .....	190	181	215	7.5	6.8	8.8	5.6	5.6	5.5
Female .....	1,517	1,489	1,682	5.8	5.7	6.6	45.0	45.8	42.7
Married, husband present .....	704	727	820	4.8	4.9	5.7	20.9	22.4	20.8
Single .....	483	484	510	7.8	7.9	8.6	14.3	14.9	13.0
14 to 19 years .....	314	313	319	13.2	13.5	14.8	9.3	9.6	8.1
20 years and over .....	169	171	191	4.4	4.5	5.1	5.0	5.3	4.9
Other marital status .....	330	279	352	6.3	5.2	6.5	9.8	8.6	8.9
<b>HOUSEHOLD RELATIONSHIP</b>									
Total .....	3,373	3,252	3,936	4.5	4.4	5.4	100.0	100.0	100.0
Household head .....	1,259	1,208	1,499	2.8	2.7	3.3	37.3	37.1	38.1
Living with relatives .....	981	957	1,269	2.4	2.4	3.2	29.1	29.4	32.2
Not living with relatives .....	276	251	231	5.1	4.6	4.5	8.2	7.7	5.9
Wife of head .....	680	690	795	4.7	4.8	5.7	20.2	21.2	20.2
Other relative of head .....	1,348	1,284	1,544	10.4	9.9	12.2	40.0	39.5	39.2
Non-relative of head .....	85	70	97	6.0	5.0	6.2	2.5	2.2	2.5

## HOUSEHOLD DATA

Table A-8: Unemployed persons, by duration of unemployment

Duration of unemployment	Thousands of persons			Percent distribution			Category	Thousands of persons			Percent distribution		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963		Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
<b>Total</b> .....	3,373	3,252	3,936	100.0	100.0	100.0	<b>Total</b> .....	3,373	3,252	3,936	100.0	100.0	100.0
Less than 5 weeks .....	1,658	1,623	1,955	49.2	49.9	49.7	Persons on temporary layoff .....	79	83	116	2.3	2.6	2.9
5 to 14 weeks .....	956	848	1,117	28.3	26.1	28.4							
5 and 6 weeks .....	260	267	317	7.7	8.2	8.1							
7 to 10 weeks .....	447	343	450	13.3	10.6	11.4							
11 to 14 weeks .....	248	238	349	7.4	7.3	8.9	Persons scheduled to begin new jobs within 30 days.	88	90	112	2.6	2.8	2.8
15 weeks and over .....	759	780	864	22.5	24.0	22.0							
15 to 26 weeks .....	372	390	401	11.0	12.0	10.2							
27 weeks and over .....	387	390	463	11.5	12.0	11.8	All other unemployed ...	3,206	3,079	3,708	95.0	94.7	94.2
Average (mean) duration. . .	13.3	12.8	12.6	-	-	-							

Table A-9: Long-term unemployed, by industry and occupation of last job

Characteristics	Unemployed 15 weeks and over				Unemployed 27 weeks and over				Civilian labor force (percent distribution)
	Percent of unemployed in each group		Percent distribution		Percent of unemployed in each group		Percent distribution		
	Nov. 1964	Nov. 1963	Nov. 1964	Nov. 1963	Nov. 1964	Nov. 1963	Nov. 1964	Nov. 1963	
INDUSTRY									
Total . . . . .	22.5	22.0	100.0	100.0	11.5	11.8	100.0	100.0	100.0
Experienced wage and salary workers . . . . .	22.0	20.9	81.2	79.6	11.8	11.9	85.5	84.7	85.8
Agriculture . . . . .	13.2	7.3	2.5	1.4	7.6	.6	2.8	.2	2.3
Nonagricultural industries . . . . .	22.5	21.7	78.7	78.2	12.0	12.5	82.7	84.5	83.5
Mining, forestry, fisheries . . . . .	(1)	(1)	1.3	1.3	(1)	(1)	2.1	1.3	.8
Construction . . . . .	15.2	12.9	5.7	6.1	8.8	9.0	6.5	8.0	5.3
Manufacturing . . . . .	25.4	23.6	28.7	29.8	13.3	13.1	29.5	31.0	25.9
Durable goods . . . . .	31.4	30.4	16.6	19.8	15.7	15.3	16.3	18.5	14.5
Nondurable goods . . . . .	20.0	16.3	12.0	10.0	11.2	11.0	13.2	12.5	11.4
Transportation and public utilities . . . . .	21.6	21.9	3.8	3.8	13.4	11.3	4.7	3.7	6.2
Wholesale and retail trade . . . . .	22.6	20.4	18.4	16.2	13.4	11.5	21.2	17.0	15.6
Finance, insurance, and real estate, and service industries . . . . .	20.0	23.3	17.4	17.6	10.0	13.4	17.1	18.7	24.5
Public administration . . . . .	(1)	(1)	3.4	3.4	(1)	(1)	1.8	4.7	5.1
Self-employed and unpaid family workers . . . . .	(1)	30.4	2.8	4.1	(1)	14.8	3.1	3.7	13.5
No previous work experience . . . . .	25.1	26.3	16.0	16.3	9.1	10.1	11.4	11.6	.7
OCCUPATION									
Total . . . . .	22.5	22.0	100.0	100.0	11.5	11.8	100.0	100.0	100.0
White-collar workers . . . . .	24.2	24.3	23.4	25.2	13.3	13.9	25.1	26.9	43.4
Professional and technical . . . . .	26.5	22.1	4.0	3.6	15.0	12.9	4.4	3.9	12.2
Managers, officials, and proprietors . . . . .	(1)	40.0	2.1	4.9	(1)	33.3	3.4	7.5	10.0
Clerical workers . . . . .	26.2	23.7	13.6	13.2	12.0	11.4	12.2	11.9	14.9
Sales workers . . . . .	18.8	18.1	3.7	3.6	13.4	9.9	5.2	3.7	6.3
Blue-collar workers . . . . .	20.9	20.1	40.0	42.5	10.6	11.3	39.9	44.6	36.8
Craftsmen and foremen . . . . .	23.4	18.1	9.8	7.8	12.7	8.9	10.4	7.1	12.8
Operatives . . . . .	19.2	21.9	19.9	24.8	9.1	12.6	18.7	26.5	18.8
Nonfarm laborers . . . . .	22.5	18.0	10.3	10.0	12.1	10.6	10.9	11.0	5.2
Service workers . . . . .	23.6	24.7	17.7	15.0	13.7	14.6	20.2	16.6	13.2
Private household workers . . . . .	24.1	28.0	3.7	3.8	11.2	16.1	3.4	4.1	3.3
Other service workers . . . . .	23.4	23.8	14.0	11.2	14.3	14.2	16.8	12.5	9.9
Farm workers . . . . .	16.3	5.4	3.0	.9	9.2	.7	3.4	.2	5.9
Farmers and farm managers . . . . .	(1)	-	1.2	-	(1)	(1)	.5	.2	3.0
Farm laborers and foremen . . . . .	11.1	5.7	1.8	.9	8.7	-	2.8	-	2.9
No previous work experience . . . . .	25.1	26.3	16.0	16.3	9.1	10.1	11.4	11.6	.7

<sup>1</sup>Percent not shown where base is less than 100,000.

## HOUSEHOLD DATA

6

Table A-10: Long-term unemployed, by sex, age, color, and marital status

Characteristics	Unemployed 15 weeks and over				Unemployed 27 weeks and over				Civilian labor force (percent distribution)
	Percent of unemployed in each group		Percent distribution		Percent of unemployed in each group		Percent distribution		
	Nov. 1964	Nov. 1963	Nov. 1964	Nov. 1963	Nov. 1964	Nov. 1963	Nov. 1964	Nov. 1963	
<b>AGE</b>									
Total . . . . .	22.5	22.0	100.0	100.0	11.5	11.8	100.0	100.0	100.0
Male . . . . .	22.8	22.9	55.9	59.8	12.4	13.0	59.9	63.3	64.7
14 to 19 years . . . . .	14.3	16.3	8.7	9.1	5.0	5.4	5.9	5.6	4.5
20 to 24 years . . . . .	13.7	17.9	5.7	6.8	4.8	8.5	3.9	6.0	6.4
25 to 44 years . . . . .	23.7	19.3	17.4	17.7	12.2	10.7	17.6	18.4	28.4
45 years and over . . . . .	35.0	35.0	24.2	26.2	24.0	23.8	32.6	33.3	25.4
Female . . . . .	22.1	20.6	44.1	40.2	10.2	10.0	40.1	36.7	35.3
14 to 19 years . . . . .	21.8	20.2	10.1	9.6	5.1	5.6	4.7	5.0	3.6
20 to 24 years . . . . .	13.8	18.5	4.5	6.0	6.1	11.4	3.9	6.9	4.5
25 to 44 years . . . . .	23.3	19.6	16.7	13.5	12.3	9.2	17.3	11.9	13.5
45 years and over . . . . .	26.1	24.2	12.8	11.0	14.8	15.3	14.2	13.0	13.7
<b>COLOR</b>									
Total . . . . .	22.5	22.0	100.0	100.0	11.5	11.8	100.0	100.0	100.0
White, total . . . . .	20.8	20.0	72.7	70.5	10.1	10.4	69.4	68.4	88.6
Male . . . . .	21.3	21.6	41.8	44.6	11.5	11.9	44.3	45.9	58.2
Female . . . . .	20.1	17.7	31.0	25.9	8.3	8.2	25.1	22.5	30.4
Nonwhite, total . . . . .	28.8	28.8	27.3	29.5	16.5	16.5	30.6	31.6	11.4
Male . . . . .	29.2	28.1	14.1	15.3	16.3	17.3	15.5	17.5	6.6
Female . . . . .	28.7	29.5	13.2	14.2	16.7	15.6	15.0	14.1	4.8
<b>MARITAL STATUS</b>									
Total . . . . .	22.5	22.0	100.0	100.0	11.5	11.8	100.0	100.0	100.0
Male . . . . .	22.8	22.9	55.9	59.8	12.4	13.0	59.9	63.3	64.7
Married, wife present . . . . .	23.2	24.8	25.2	31.9	12.3	15.2	26.2	36.5	50.4
Single . . . . .	19.1	18.8	21.3	20.3	9.0	8.1	19.7	16.2	11.0
14 to 19 years . . . . .	14.9	16.5	8.7	9.0	5.2	5.5	6.0	5.6	4.3
20 years and over . . . . .	24.1	21.3	12.6	11.2	13.3	10.7	13.8	10.6	6.7
Other marital status . . . . .	37.9	31.2	9.5	7.8	28.4	22.8	14.0	10.6	3.4
Female . . . . .	22.1	20.6	44.1	40.2	10.2	10.0	40.1	36.7	35.3
Married, husband present . . . . .	18.8	18.3	17.4	17.4	8.7	10.9	15.8	19.2	19.8
Single . . . . .	23.6	21.6	14.9	12.7	8.5	8.6	10.4	9.5	8.3
14 to 19 years . . . . .	23.9	19.7	9.9	7.3	5.4	6.0	4.4	4.1	3.2
20 years and over . . . . .	22.5	24.6	5.0	5.4	13.6	13.1	6.0	5.4	5.1
Other marital status . . . . .	27.0	24.4	11.7	10.0	16.1	10.5	13.8	8.0	7.1

Table A-11: Unemployed persons looking for full- or part-time work, by age and sex

Age and sex	Looking for full-time work (thousands of persons)			Looking for part-time work (thousands of persons)			Looking for part-time work as a percent of unemployed in each group		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total . . . . .	2,590	2,585	3,157	781	667	778	23.2	20.5	19.8
Male . . . . .	1,497	1,480	1,900	358	282	353	19.3	16.0	15.7
14 to 19 years . . . . .	221	194	241	239	174	243	52.0	47.3	50.2
Major activity:									
Going to school . . . . .	7	5	9	234	170	239	97.1	97.1	96.4
All other . . . . .	215	191	231	8	6	4	3.6	3.0	1.7
20 to 24 years . . . . .	268	301	289	46	39	41	14.6	11.5	12.4
25 to 54 years . . . . .	777	732	1,057	25	24	24	3.1	3.3	2.2
55 years and over . . . . .	232	253	314	49	46	46	17.4	15.4	12.8
Female . . . . .	1,093	1,105	1,257	423	385	425	27.9	25.8	25.3
14 to 19 years . . . . .	183	219	210	170	152	201	48.2	41.0	48.9
Major activity:									
Going to school . . . . .	9	9	14	147	127	174	94.2	93.4	92.6
All other . . . . .	175	211	196	24	27	27	12.1	11.3	12.1
20 to 24 years . . . . .	202	228	242	44	39	39	17.9	14.6	13.9
25 to 54 years . . . . .	605	563	682	162	143	135	21.1	20.3	16.5
55 years and over . . . . .	103	96	124	45	50	51	30.4	34.2	29.1

## HOUSEHOLD DATA

Table A-12: Total labor force, by age and sex

Age and sex	Thousands of persons			Labor force participation rate		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total . . . . .	76,897	77,112	76,000	57.0	57.2	57.2
Male . . . . .	50,709	50,918	50,285	77.5	77.9	78.0
14 to 19 years . . . .	3,849	3,966	3,747	38.4	39.7	38.9
14 and 15 years . . .	562	622	543	16.0	17.7	15.5
16 and 17 years . . .	1,331	1,349	1,281	37.1	37.5	38.0
18 and 19 years . . .	1,956	1,996	1,924	66.9	69.2	69.6
20 to 24 years . . . .	5,702	5,707	5,421	86.8	87.2	86.0
25 to 34 years . . . .	10,649	10,668	10,633	97.6	97.8	97.5
35 to 44 years . . . .	11,546	11,539	11,600	97.4	97.3	97.7
45 to 54 years . . . .	10,067	10,056	9,992	95.6	95.5	96.0
55 to 64 years . . . .	6,812	6,853	6,801	85.9	86.6	87.2
55 to 59 years . . . .	3,904	3,930	3,921	90.3	91.1	92.0
60 to 64 years . . . .	2,908	2,923	2,880	80.6	81.2	81.3
65 years and over . .	2,086	2,130	2,088	27.4	28.0	27.7
Female . . . . .	26,188	26,194	25,715	37.7	37.7	37.6
14 to 19 years . . . .	2,703	2,686	2,553	27.6	27.5	27.0
14 and 15 years . . .	394	405	389	11.5	11.9	11.4
16 and 17 years . . .	881	899	799	25.2	25.6	24.2
18 and 19 years . . .	1,428	1,382	1,365	49.5	48.5	49.9
20 to 24 years . . . .	3,311	3,315	3,062	50.2	50.4	48.3
25 to 34 years . . . .	4,314	4,220	4,378	38.4	37.6	39.0
35 to 44 years . . . .	5,682	5,717	5,694	45.6	45.9	45.6
45 to 54 years . . . .	5,750	5,803	5,714	51.7	52.3	52.2
55 to 64 years . . . .	3,473	3,501	3,378	40.2	40.6	39.9
55 to 59 years . . . .	2,119	2,138	2,079	45.7	46.2	45.8
60 to 64 years . . . .	1,354	1,363	1,299	33.8	34.1	33.1
65 years and over . .	954	949	936	9.9	9.8	9.9

Table A-13: Employed persons, by age and sex

Age and sex	(In thousands)					
	Male			Female		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
All industries . . . . .	46,152	46,448	45,324	24,641	24,674	24,001
14 to 19 years . . . .	2,888	3,097	2,763	2,343	2,311	2,135
20 to 24 years . . . .	4,441	4,417	4,142	3,054	3,038	2,771
25 to 34 years . . . .	9,610	9,649	9,439	4,053	3,976	4,079
35 to 44 years . . . .	10,866	10,863	10,835	5,387	5,456	5,382
45 to 54 years . . . .	9,736	9,745	9,611	5,526	5,588	5,494
55 to 64 years . . . .	6,591	6,614	6,528	3,361	3,406	3,250
65 years and over . .	2,020	2,064	1,998	916	900	890
Nonagricultural industries . . . . .	42,487	42,423	41,488	23,762	23,574	23,061
14 to 19 years . . . .	2,470	2,526	2,307	2,235	2,159	2,041
20 to 24 years . . . .	4,128	4,097	3,874	2,989	2,962	2,718
25 to 34 years . . . .	9,146	9,119	8,928	3,942	3,822	3,911
35 to 44 years . . . .	10,237	10,212	10,152	5,194	5,231	5,201
45 to 54 years . . . .	9,026	8,977	8,890	5,309	5,327	5,282
55 to 64 years . . . .	5,922	5,925	5,785	3,227	3,261	3,088
65 years and over . .	1,556	1,565	1,552	864	814	819
Agriculture . . . . .	3,666	4,026	3,836	879	1,100	940
14 to 19 years . . . .	418	571	455	108	152	94
20 to 24 years . . . .	313	319	267	65	76	54
25 to 34 years . . . .	463	528	512	110	154	169
35 to 44 years . . . .	629	651	684	193	225	181
45 to 54 years . . . .	709	767	730	216	262	212
55 to 64 years . . . .	670	689	743	134	146	161
65 years and over . .	464	498	445	52	86	70

Table A-14: Employed persons, by class of worker and occupation

Characteristics	(In thousands)								
	Total			Male			Female		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
<b>CLASS OF WORKER</b>									
Total . . . . .	70,793	71,123	69,325	46,152	46,448	45,324	24,641	24,674	24,001
Nonagricultural industries . . . . .	66,248	65,997	64,548	42,487	42,423	41,488	23,762	23,574	23,061
Wage and salary workers . . . . .	59,299	59,082	57,691	37,502	37,503	36,590	21,797	21,579	21,101
Private household workers . . . . .	2,496	2,481	2,477	243	296	238	2,253	2,186	2,238
Government workers . . . . .	9,724	9,536	9,238	5,725	5,622	5,420	3,999	3,913	3,819
Other wage and salary workers . . . . .	47,079	47,065	45,976	31,534	31,585	30,932	15,545	15,480	15,044
Self-employed workers . . . . .	6,360	6,360	6,289	4,920	4,868	4,826	1,441	1,492	1,463
Unpaid family workers . . . . .	588	554	568	65	51	72	523	503	497
Agriculture . . . . .	4,545	5,126	4,777	3,666	4,026	3,836	879	1,100	940
Wage and salary workers . . . . .	1,561	1,893	1,644	1,248	1,490	1,334	313	403	310
Self-employed workers . . . . .	2,265	2,360	2,364	2,150	2,219	2,220	115	141	143
Unpaid family workers . . . . .	720	874	770	268	317	282	451	557	488
<b>OCCUPATION</b>									
Total . . . . .	70,793	71,123	69,325	46,152	46,448	45,324	24,641	24,674	24,001
White-collar workers . . . . .	31,475	31,265	30,685	17,777	17,739	17,390	13,699	13,527	13,294
Professional and technical . . . . .	8,934	8,847	8,537	5,573	5,551	5,381	3,361	3,297	3,156
Managers, officials, and proprietors . . . . .	7,359	7,393	7,400	6,255	6,279	6,230	1,104	1,114	1,170
Clerical workers . . . . .	10,623	10,506	10,365	3,117	3,131	3,128	7,507	7,375	7,237
Sales workers . . . . .	4,559	4,519	4,383	2,832	2,778	2,651	1,727	1,741	1,731
Blue-collar workers . . . . .	25,850	25,876	25,265	21,728	21,829	21,291	4,126	4,048	3,974
Craftsmen and foremen . . . . .	9,189	9,186	9,066	8,916	8,924	8,811	276	262	256
Operatives . . . . .	13,160	13,092	12,657	9,398	9,377	9,012	3,763	3,716	3,644
Nonfarm laborers . . . . .	3,501	3,598	3,542	3,414	3,528	3,468	87	70	74
Service workers . . . . .	9,209	9,190	8,949	3,226	3,152	3,087	5,982	6,037	5,862
Private household workers . . . . .	2,320	2,226	2,266	48	50	42	2,272	2,175	2,224
Other service workers . . . . .	6,889	6,964	6,683	3,178	3,102	3,045	3,710	3,862	3,638
Farm workers . . . . .	4,258	4,790	4,429	3,422	3,728	3,557	834	1,062	871
Farmers and farm managers . . . . .	2,236	2,323	2,305	2,121	2,181	2,169	114	142	136
Farm laborers and foremen . . . . .	2,022	2,467	2,124	1,301	1,547	1,388	720	920	735

## HOUSEHOLD DATA

8

Table A-15: Employed persons, by hours worked

(In thousands)

Hours worked	All industries			Nonagricultural industries			Agriculture		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total .....	70,793	71,123	69,325	66,248	65,997	64,548	4,545	5,126	4,777
With a job but not at work .....	2,349	2,925	2,205	2,221	2,791	2,029	129	133	176
At work .....	68,444	68,198	67,121	64,027	63,205	62,520	4,417	4,994	4,601
1-34 hours .....	18,318	15,484	17,997	16,913	13,857	16,391	1,405	1,629	1,607
1-4 hours .....	994	984	969	945	939	911	49	49	59
5-14 hours .....	3,451	3,446	3,375	3,139	3,094	3,024	312	350	352
15-34 hours .....	13,870	11,054	13,652	12,826	9,824	12,456	1,044	1,231	1,196
35 hours or more .....	50,126	52,712	49,123	47,115	49,349	46,129	3,011	3,366	2,994
35-40 hours .....	28,440	29,781	27,693	27,757	29,065	27,028	684	716	666
41 hours and over .....	21,686	22,931	21,430	19,358	20,284	19,101	2,327	2,650	2,328
Average hours, total at work .....	39.5	40.2	39.6	39.2	39.8	39.3	44.6	45.5	43.3

Table A-16: Employed persons, by full- or part-time status

(In thousands)

Full- or part-time status	All industries			Nonagricultural industries		
	Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total .....	70,793	71,123	69,325	66,248	65,997	64,548
With a job but not at work .....	2,349	2,925	2,205	2,221	2,791	2,029
At work .....	68,444	68,198	67,121	64,027	63,205	62,520
On full-time schedules .....	57,610	57,284	56,181	54,422	53,597	52,940
35 hours or more .....	50,126	52,712	49,123	47,115	49,349	46,129
1-34 hours for noneconomic reasons .....	7,484	4,572	7,058	7,307	4,248	6,811
Bad weather .....	311	434	332	237	208	259
Industrial dispute .....	27	52	23	27	52	23
Vacation .....	331	377	232	317	370	219
Illness .....	722	933	750	706	910	714
Holiday .....	5,414	2,088	4,959	5,403	2,075	4,951
All other reasons .....	679	688	762	617	633	645
On part time for economic reasons .....	2,272	2,193	2,539	1,901	1,923	2,161
Usually work full time .....	1,125	1,069	1,255	926	935	1,075
Average hours .....	23.5	23.7	23.4	23.4	23.5	23.4
Usually work part time .....	1,147	1,124	1,284	975	988	1,086
Average hours .....	18.4	18.1	18.3	18.3	17.7	18.2
On part time for noneconomic reasons; usually work part time .....	8,560	8,718	8,402	7,702	7,684	7,420

Table A-17: Employed persons with a job, but not at work, by reason not working and pay status

(In thousands)

Reason not working	All industries			Nonagricultural industries								
				Total			Wage and salary workers					
				Nov. 1964	Oct. 1964	Nov. 1963	Number			Percent paid		
	Nov. 1964	Oct. 1964	Nov. 1963				Nov. 1964	Oct. 1964	Nov. 1963	Nov. 1964	Oct. 1964	Nov. 1963
Total .....	2,349	2,925	2,205	2,221	2,791	2,029	1,866	2,438	1,723	45.5	49.9	43.9
Bad weather .....	99	24	33	73	12	21	44	8	17	(1)	(1)	(1)
Industrial dispute .....	54	275	51	54	275	51	54	275	51	-	-	-
Vacation .....	610	1,017	601	589	992	572	541	907	525	88.5	89.1	81.1
Illness .....	1,007	1,007	932	976	962	877	870	853	766	35.2	37.9	30.0
All other reasons .....	580	600	587	529	550	507	359	395	365	17.5	21.3	26.8

1/ Percent not shown where base is less than 100,000.

Table A-18: Employment status of the noninstitutional population, by age and sex

November 1964

(In thousands)

Age, sex, and color	Total labor force		Civilian labor force						Not in labor force				
	Number	Percent of population	Total	Employed			Unemployed		Total	Keeping house	In school	Unable to work	Other
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force					
Male .....	50,709	77.5	48,008	46,152	3,666	42,487	1,856	3.9	14,723	155	6,860	1,094	6,614
14 and 15 years .....	562	16.0	562	526	126	400	36	6.5	2,955	8	2,927	1	19
16 and 17 years .....	1,331	37.1	1,280	1,076	171	905	204	15.9	2,253	-	2,169	11	73
18 and 19 years .....	1,956	66.9	1,507	1,287	121	1,165	220	14.6	968	4	896	11	57
20 to 24 years .....	5,702	86.8	4,754	4,441	313	4,128	313	6.6	867	-	744	24	99
25 to 29 years .....	5,316	96.9	4,888	4,720	220	4,500	167	3.4	171	2	85	27	57
30 to 34 years .....	5,333	98.3	5,002	4,890	263	4,646	112	2.2	93	2	24	36	30
35 to 39 years .....	5,744	97.8	5,514	5,368	299	5,069	146	2.7	130	1	5	39	86
40 to 44 years .....	5,802	96.9	5,629	5,498	330	5,168	130	2.3	183	3	7	72	101
45 to 49 years .....	5,282	96.2	5,217	5,093	356	4,736	125	2.4	206	5	2	73	126
50 to 54 years .....	4,785	94.8	4,764	4,643	353	4,290	121	2.5	261	10	2	93	156
55 to 59 years .....	3,904	90.3	3,900	3,782	347	3,435	118	3.0	418	13	-	154	251
60 to 64 years .....	2,908	80.6	2,907	2,809	323	2,487	98	3.4	698	8	-	133	557
65 to 69 years .....	1,187	42.4	1,187	1,144	229	915	43	3.6	1,614	22	-	93	1,499
70 years and over .....	899	18.7	899	876	235	641	23	2.5	3,907	76	-	327	3,504
White .....	45,608	77.7	43,134	41,646	3,161	38,484	1,488	3.5	13,111	136	6,042	942	5,990
Nonwhite .....	5,101	76.0	4,874	4,507	505	4,002	367	7.5	1,612	18	818	152	624
Female .....	26,188	37.7	26,158	24,641	879	23,762	1,517	5.8	43,332	35,348	6,709	594	681
14 and 15 years .....	394	11.5	394	375	37	339	18	4.6	3,024	42	2,957	5	20
16 and 17 years .....	881	25.2	881	751	38	712	130	14.8	2,618	227	2,362	-	29
18 and 19 years .....	1,428	49.5	1,422	1,217	33	1,184	205	14.4	1,459	574	844	13	27
20 to 24 years .....	3,311	50.2	3,301	3,054	65	2,989	247	7.5	3,291	2,789	439	15	48
25 to 29 years .....	2,203	39.1	2,199	2,053	45	2,007	147	6.7	3,427	3,355	35	11	25
30 to 34 years .....	2,111	37.7	2,108	2,000	65	1,935	108	5.1	3,493	3,443	19	13	19
35 to 39 years .....	2,617	42.6	2,615	2,469	85	2,384	146	5.6	3,523	3,483	18	8	14
40 to 44 years .....	3,065	48.5	3,063	2,918	108	2,810	145	4.7	3,259	3,205	17	16	21
45 to 49 years .....	3,027	52.3	3,026	2,914	114	2,800	112	3.7	2,761	2,696	6	16	43
50 to 54 years .....	2,723	51.1	2,722	2,612	102	2,509	110	4.0	2,608	2,540	7	34	27
55 to 59 years .....	2,119	45.7	2,119	2,040	72	1,968	78	3.7	2,514	2,429	3	36	46
60 to 64 years .....	1,354	33.8	1,354	1,321	62	1,259	34	2.5	2,647	2,571	1	33	42
65 to 69 years .....	548	16.4	548	520	27	493	28	5.1	2,800	2,693	1	35	70
70 years and over .....	406	6.4	406	396	25	371	9	2.3	5,908	5,300	1	359	248
White .....	22,609	36.5	22,582	21,413	610	20,803	1,169	5.2	39,405	32,498	5,806	516	584
Nonwhite .....	3,579	47.7	3,576	3,228	269	2,959	348	9.7	3,927	2,850	903	78	96

Table A-19: Nonagricultural wage and salary workers, by full- or part-time status, hours of work, and industry

November 1964

(Percent distribution)

Industry	Full- or part-time status					Hours of work				
	Total at work	On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over
			Economic reasons		Other reasons					
			Usually work full time	Usually work part time	Usually work part time					
Total <sup>1</sup> .....	100.0	85.5	1.4	1.5	11.6	100.0	26.9	45.8	13.7	13.6
Construction .....	100.0	90.1	4.7	1.5	3.6	100.0	30.0	44.7	13.2	12.0
Manufacturing .....	100.0	94.9	1.8	.5	2.8	100.0	13.6	58.4	16.0	12.0
Durable goods .....	100.0	97.3	1.1	.3	1.4	100.0	10.7	60.3	16.5	12.6
Nondurable goods .....	100.0	91.9	2.6	.9	4.6	100.0	17.5	56.0	15.2	11.3
Transportation and public utilities .....	100.0	93.6	.9	.8	4.8	100.0	21.1	52.4	11.7	14.9
Wholesale and retail trade .....	100.0	77.1	1.2	1.8	19.9	100.0	27.9	36.9	17.5	17.7
Finance, insurance, and real estate .....	100.0	90.2	.7	.5	8.6	100.0	27.8	50.5	8.7	13.0
Service industries .....	100.0	72.7	.9	3.3	23.0	100.0	37.4	37.8	11.8	12.9

<sup>1</sup>Includes forestry and fisheries, mining and public administration, not shown separately.

## HOUSEHOLD DATA

10

Table A-20: Persons at work in nonfarm occupations by full- or part-time status, hours of work, and occupation

Occupation	November 1964 (Percent distribution)						Hours of work					
	Full or part-time status			On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over	Average hours, total at work
	Total at work		On full- time sched- ules	Economic reasons		Other reasons						
	Thousands	Percent		Usually work full time	Usually work part time	Usually work part time						
White-collar workers . . . . .	30,451	100.0	87.1	.5	.7	11.7	100.0	26.6	41.5	12.3	19.6	40.1
Professional and technical . . . . .	8,704	100.0	89.0	.3	.5	10.4	100.0	26.9	42.0	12.4	18.9	39.8
Managers, officials, and proprietors . . . . .	7,070	100.0	95.1	.5	.5	3.9	100.0	12.9	29.3	17.3	40.5	47.8
Clerical workers . . . . .	10,288	100.0	86.0	.7	.5	12.8	100.0	33.6	53.0	8.5	4.9	36.0
Sales workers . . . . .	4,389	100.0	73.8	.8	1.6	23.9	100.0	31.5	33.5	13.0	22.1	37.6
Blue-collar workers . . . . .	24,932	100.0	90.2	2.6	1.3	6.0	100.0	20.7	49.0	16.4	14.0	40.1
Craftsmen and foremen . . . . .	8,869	100.0	94.9	1.6	.5	2.9	100.0	17.8	47.8	18.1	16.2	41.5
Operatives . . . . .	12,652	100.0	90.4	3.0	1.1	5.6	100.0	18.5	51.5	16.4	13.7	40.5
Nonfarm laborers . . . . .	3,411	100.0	76.8	3.8	4.0	15.4	100.0	36.5	42.6	11.6	9.3	35.0
Service workers . . . . .	8,930	100.0	63.2	1.3	5.3	30.2	100.0	41.8	33.3	11.9	13.0	33.7
Private household workers . . . . .	2,292	100.0	33.1	1.6	11.6	53.6	100.0	69.5	16.7	7.1	6.6	23.2
Other service workers . . . . .	6,638	100.0	73.5	1.2	3.1	22.1	100.0	32.2	39.0	13.5	15.2	37.3

Table A-21: Occupation group of employed persons, by sex and color

November 1964

Occupation	Thousands			Percent distribution								
	Total	Male	Female	Total	Male	Female	White			Nonwhite		
							Total	Male	Female	Total	Male	Female
Total . . . . .	70,793	46,152	24,641	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers . . . . .	31,475	17,777	13,699	44.5	38.5	55.6	47.6	41.0	60.4	19.0	15.8	23.5
Professional and technical . . . . .	8,934	5,573	3,361	12.6	12.1	13.6	13.3	12.8	14.4	7.0	5.6	8.9
Medical and other health . . . . .	1,489	564	925	2.1	1.2	3.8	2.2	1.3	4.0	1.1	.6	1.9
Teachers, except college . . . . .	2,081	615	1,466	2.9	1.3	5.9	2.9	1.3	6.0	3.0	1.2	5.4
Other professional and technical . . . . .	5,364	4,394	970	7.6	9.5	3.9	8.2	10.1	4.3	2.9	3.7	1.7
Managers, officials, and proprietors . . . . .	7,359	6,255	1,104	10.4	13.6	4.5	11.3	14.6	4.9	2.8	3.6	1.7
Salaried workers . . . . .	4,260	3,635	625	6.0	7.9	2.5	6.6	8.6	2.8	.9	1.1	.6
Self-employed workers in retail trade . . . . .	1,475	1,153	322	2.1	2.5	1.3	2.2	2.6	1.4	1.0	1.2	.9
Self-employed workers, except retail trade . . . . .	1,624	1,467	157	2.3	3.2	.6	2.5	3.4	.7	.8	1.3	.2
Clerical workers . . . . .	10,623	3,117	7,507	15.0	6.8	30.5	15.9	6.9	33.4	7.6	5.0	11.2
Stenographers, typists, and secretaries . . . . .	2,721	45	2,677	3.8	.1	10.9	4.2	.1	12.0	1.3	.1	3.1
Other clerical workers . . . . .	7,902	3,072	4,830	11.2	6.7	19.6	11.8	6.8	21.3	6.3	5.0	8.1
Sales workers . . . . .	4,559	2,832	1,727	6.4	6.1	7.0	7.0	6.6	7.8	1.6	1.6	1.7
Retail trade . . . . .	2,662	1,127	1,535	3.8	2.4	6.2	4.1	2.6	6.9	1.3	1.0	1.6
Other sales workers . . . . .	1,897	1,705	192	2.7	3.7	.8	3.0	4.0	.9	.4	.6	.1
Blue-collar workers . . . . .	25,850	21,728	4,126	36.5	47.1	16.7	36.0	45.8	16.8	41.1	58.7	16.6
Craftsmen, foremen . . . . .	9,189	8,916	276	13.0	19.3	1.1	13.7	20.1	1.2	7.1	11.8	.7
Carpenters . . . . .	836	831	5	1.2	1.8	(1)	1.2	1.8	(1)	.8	1.4	-
Construction craftsmen, except carpenters . . . . .	1,827	1,818	10	2.6	3.9	(1)	2.7	4.1	(1)	1.6	2.8	-
Mechanics and repairmen . . . . .	2,283	2,264	20	3.2	4.9	.1	3.4	5.1	.1	2.1	3.5	-
Metal craftsmen, except mechanics . . . . .	1,049	1,035	14	1.5	2.2	.1	1.6	2.4	.1	.5	.9	.1
Other craftsmen and kindred workers . . . . .	1,955	1,826	130	2.8	4.0	.5	2.9	4.1	.6	1.5	2.4	.2
Foremen, not elsewhere classified . . . . .	1,239	1,142	97	1.8	2.5	.4	1.9	2.7	.4	.6	.8	.3
Operatives . . . . .	13,160	9,398	3,763	18.6	20.4	15.3	18.2	19.8	15.2	21.5	25.9	15.5
Drivers and deliverymen . . . . .	2,490	2,433	57	3.5	5.3	.2	3.4	5.0	.2	4.6	7.7	.2
Other operatives . . . . .	10,670	6,965	3,706	15.1	15.1	15.0	14.9	14.8	15.0	17.0	18.1	15.3
Durable goods manufacturing . . . . .	4,113	3,112	1,002	5.8	6.7	4.1	5.9	6.7	4.3	5.2	7.0	2.7
Nondurable goods manufacturing . . . . .	3,626	1,644	1,982	5.1	3.6	8.0	5.1	3.5	8.3	5.3	4.3	6.7
Other industries . . . . .	2,931	2,209	722	4.1	4.8	2.9	3.9	4.6	2.5	6.4	6.8	5.9
Nonfarm laborers . . . . .	3,501	3,414	87	4.9	7.4	.4	4.0	5.9	.3	12.5	21.1	.5
Construction . . . . .	800	797	3	1.1	1.7	(1)	.9	1.3	(1)	3.1	5.4	-
Manufacturing . . . . .	1,023	977	46	1.4	2.1	.2	1.2	1.8	.2	3.1	5.1	.3
Other industries . . . . .	1,678	1,640	38	2.4	3.6	.2	1.9	2.8	.2	6.3	10.6	.2
Service workers . . . . .	9,209	3,226	5,982	13.0	7.0	24.3	10.9	6.1	20.1	30.3	15.0	51.7
Private household workers . . . . .	2,320	48	2,272	3.3	.1	9.2	2.1	.1	6.2	12.5	.3	29.6
Service workers, except private household . . . . .	6,889	3,178	3,710	9.7	6.9	15.1	8.7	6.0	14.0	17.8	14.7	22.2
Protective service workers . . . . .	849	822	27	1.2	1.8	.1	1.3	1.9	.1	.6	.9	.2
Waiters, cooks, and bartenders . . . . .	1,905	529	1,375	2.7	1.1	5.6	2.6	1.0	5.7	3.7	2.7	5.1
Other service workers . . . . .	4,135	1,827	2,308	5.8	4.0	9.4	4.9	3.2	8.2	13.5	11.1	16.9
Farm workers . . . . .	4,258	3,422	834	6.0	7.4	3.4	5.6	7.1	2.7	9.5	10.5	8.2
Farmers and farm managers . . . . .	2,236	2,121	114	3.2	4.6	.5	3.3	4.7	.5	2.0	3.2	.4
Farm laborers and foremen . . . . .	2,022	1,301	720	2.9	2.8	2.9	2.3	2.3	2.2	7.5	7.3	7.8
Paid workers . . . . .	1,309	1,032	277	1.8	2.2	1.1	1.3	1.8	.5	6.0	6.3	5.5
Unpaid family workers . . . . .	713	269	443	1.0	.6	1.8	.9	.5	1.7	1.5	1.0	2.2

1/ Less than 0.05.



**Table A-22: Persons at work in nonagricultural industries, by full-time and part-time status, hours of work, and selected characteristics**

November 1964

(Percent distribution)

Characteristics	Full or part-time status						Hours of work				
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 hours and over	Average hours, total at work
				Economic reasons		Other reasons					
	Thousands	Percent		Usually work full time	Usually work part time	Usually work part time					
<b>AGE AND SEX</b>											
Total .....	64,027	100.0	85.0	1.4	1.5	12.0	100.0	26.3	43.3	30.4	39.2
Male .....	41,129	100.0	91.2	1.3	.9	6.6	100.0	20.0	41.8	38.2	41.9
14 to 17 years .....	1,275	100.0	14.2	.2	1.0	84.5	100.0	87.6	8.3	4.0	16.0
18 and 19 years .....	1,152	100.0	67.0	2.6	3.9	26.5	100.0	41.2	34.4	24.4	33.5
20 to 24 years .....	4,036	100.0	88.4	2.2	1.3	8.0	100.0	19.8	41.9	38.2	41.0
25 to 34 years .....	8,958	100.0	96.9	1.1	.6	1.5	100.0	14.1	44.0	42.0	43.9
35 to 44 years .....	9,987	100.0	97.1	1.6	.4	.8	100.0	14.9	42.1	42.9	44.1
45 to 64 years .....	14,279	100.0	95.6	1.1	1.1	2.2	100.0	17.4	44.8	37.8	43.0
65 years and over .....	1,443	100.0	65.3	1.0	1.5	32.2	100.0	42.0	31.4	26.6	34.7
Female .....	22,898	100.0	73.9	1.7	2.6	21.8	100.0	37.9	46.1	16.0	34.3
14 to 17 years .....	1,034	100.0	11.1	.6	2.1	86.0	100.0	90.3	7.6	1.9	12.5
18 and 19 years .....	1,170	100.0	70.2	2.1	5.1	22.6	100.0	43.1	48.3	8.6	32.0
20 to 24 years .....	2,908	100.0	84.2	2.3	1.8	11.7	100.0	29.9	56.2	13.9	36.0
25 to 34 years .....	3,781	100.0	77.8	1.7	2.4	18.1	100.0	35.0	49.6	15.4	35.0
35 to 44 years .....	5,000	100.0	75.1	1.7	2.3	21.0	100.0	36.5	46.8	16.8	34.9
45 to 64 years .....	8,184	100.0	78.2	1.5	2.7	17.6	100.0	34.2	46.6	19.2	36.4
65 years and over .....	820	100.0	55.2	1.2	4.4	39.2	100.0	51.3	31.8	16.9	30.7
<b>MARITAL STATUS AND SEX</b>											
Male: Single .....	6,290	100.0	67.8	1.6	2.5	28.1	100.0	40.3	36.8	22.9	33.6
Married, wife present .....	32,804	100.0	95.8	1.2	.6	2.4	100.0	16.0	42.5	41.5	43.5
Other .....	2,035	100.0	89.6	1.9	1.8	6.8	100.0	21.8	46.5	31.8	41.4
Female: Single .....	5,396	100.0	70.8	1.1	2.6	25.5	100.0	43.1	43.6	13.3	31.7
Married, husband present .....	12,860	100.0	73.6	1.8	1.9	22.7	100.0	37.4	47.1	15.5	34.6
Other .....	4,643	100.0	78.6	1.8	4.6	15.0	100.0	33.2	46.5	20.3	36.3
<b>COLOR AND SEX</b>											
White .....	57,272	100.0	85.5	1.3	1.0	12.1	100.0	26.0	42.9	31.0	39.4
Male .....	37,221	100.0	91.5	1.2	.7	6.6	100.0	19.8	41.0	39.2	42.1
Female .....	20,051	100.0	89.6	1.5	1.6	22.4	100.0	37.7	46.4	15.9	34.3
Nonwhite .....	6,756	100.0	80.3	2.8	5.8	11.1	100.0	29.4	47.0	23.6	37.5
Male .....	3,908	100.0	87.7	2.9	3.2	6.2	100.0	22.3	48.9	28.8	39.9
Female .....	2,848	100.0	69.9	2.8	9.3	17.9	100.0	39.2	44.3	16.4	34.2

**Table A-23: Persons at work, by hours of work, and class of worker**

November 1964

(Percent distribution)

Hours of work	Agriculture					Nonagricultural industries					
	Total	Total	Wage and salary workers	Self-employed workers	Unpaid family workers	Total	Wage and salary workers			Self-employed workers	Unpaid family workers
							Total	Private households	Government	Other	
Total at work .. thousands	68,444	4,417	1,532	2,165	720	64,027	57,438	2,468	9,421	45,549	583
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1 to 34 hours .....	26.7	31.9	34.4	22.6	53.8	26.3	26.9	68.7	41.2	21.6	40.7
1 to 14 hours .....	6.5	8.2	10.4	9.3	-	6.4	6.3	41.9	4.7	4.7	.2
15 to 21 hours .....	5.1	11.1	9.7	5.0	32.0	4.7	4.6	11.7	4.0	4.3	20.4
22 to 29 hours .....	4.6	7.6	8.9	4.0	15.8	4.4	4.5	9.0	4.9	4.2	11.5
30 to 34 hours .....	10.5	5.0	5.4	4.3	6.0	10.8	11.5	6.1	27.6	8.4	8.6
35 to 40 hours .....	41.6	15.5	16.3	14.2	17.3	43.3	45.8	16.7	37.0	49.2	23.8
35 to 39 hours .....	6.3	6.5	5.4	5.9	10.5	6.2	6.3	4.5	5.4	6.6	8.2
40 hours .....	35.3	9.0	10.9	8.3	6.8	37.1	39.5	12.2	31.6	42.6	15.6
41 hours and over .....	31.7	52.7	49.2	63.2	28.9	30.4	27.3	14.7	21.8	29.2	35.5
41 to 47 hours .....	7.6	5.4	7.7	4.3	4.1	7.8	7.7	4.0	6.8	8.2	5.4
48 hours .....	6.0	4.6	4.7	4.9	3.5	6.1	6.0	3.3	2.7	6.9	6.2
49 hours and over .....	18.1	42.7	36.8	54.0	21.3	16.5	13.6	7.4	12.3	14.1	23.9
49 to 54 hours .....	6.6	9.5	11.7	8.9	6.9	6.4	5.8	1.8	5.2	6.1	5.9
55 to 59 hours .....	2.6	3.8	5.4	3.5	1.3	2.6	2.4	1.5	1.9	2.5	1.3
60 to 69 hours .....	5.0	13.5	10.0	18.5	5.9	4.4	3.4	1.8	3.0	3.6	6.3
70 hours and over .....	3.9	15.9	9.7	23.1	7.2	3.1	2.0	2.3	2.2	1.9	10.4
Average hours, total at work .....	39.5	44.6	41.1	50.0	35.4	39.2	38.4	23.4	37.3	39.5	39.8

# HOUSEHOLD DATA SEASONALLY ADJUSTED

12

**Table A-24: Summary employment and unemployment estimates, seasonally adjusted**

(In thousands)													
Employment status	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
Total labor force . . . . .	77,157	76,924	76,902	77,066	76,970	77,084	77,343	77,328	76,503	76,567	76,388	75,964	76,311
Civilian labor force . . . . .	74,426	74,187	74,159	74,315	74,230	74,340	74,595	74,583	73,760	73,835	73,667	73,224	73,572
Employed . . . . .	70,699	70,325	70,334	70,488	70,591	70,387	70,754	70,559	69,807	69,832	69,567	69,205	69,222
Agriculture . . . . .	4,670	4,745	4,800	4,810	4,885	4,838	4,865	4,748	4,600	4,797	4,936	4,890	4,903
Nonagricultural industries . . . . .	66,029	65,580	65,534	65,678	65,706	65,549	65,889	65,811	65,207	65,035	64,631	64,315	64,319
Unemployed . . . . .	3,727	3,862	3,825	3,827	3,639	3,953	3,841	4,024	3,953	4,003	4,100	4,019	4,350

**Table A-25: Seasonally adjusted rates of unemployment**

Selected unemployment rates	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
Total (all civilian workers) . . . . .	5.0	5.2	5.2	5.1	4.9	5.3	5.1	5.4	5.4	5.4	5.6	5.5	5.9
Men, 20 years and over . . . . .	3.5	4.0	3.9	3.7	3.7	4.0	3.6	3.8	3.9	4.1	4.3	4.3	4.5
20 - 24 years . . . . .	7.4	9.1	9.0	8.2	7.9	8.7	7.4	7.4	7.4	8.9	8.9	8.4	8.2
25 years and over . . . . .	3.1	3.3	3.3	3.2	3.2	3.4	3.2	3.4	3.5	3.6	3.7	3.8	4.1
Women, 20 years and over . . . . .	5.0	5.0	5.0	5.1	4.9	5.1	5.0	5.4	5.6	5.6	5.5	5.3	5.6
Both sexes, 14-19 years . . . . .	14.9	14.4	14.2	15.0	13.1	15.0	15.9	16.2	14.4	13.8	14.9	14.7	17.0
Married men (wife present) . . . . .	2.5	2.8	2.9	2.6	2.7	2.8	2.6	2.9	2.9	3.0	3.2	3.3	3.4
Experienced wage and salary workers . . . . .	4.8	5.0	4.9	4.9	4.8	5.3	4.8	5.0	5.1	5.2	5.3	5.3	5.7
Labor force time lost . . . . .	5.2	5.7	5.8	5.7	5.7	6.1	5.7	5.9	5.8	6.1	6.2	6.1	6.3

**Table A-26: Unemployed persons, by duration of unemployment, seasonally adjusted**

(In thousands)													
Duration of unemployment	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
Less than 5 weeks . . . . .	1,658	1,799	1,823	1,832	1,617	1,878	1,867	1,921	1,854	1,619	1,861	1,814	1,955
5 to 14 weeks . . . . .	1,089	1,129	1,109	1,135	1,139	1,108	1,095	1,214	1,031	1,187	1,104	1,217	1,272
15 weeks and over:													
Number . . . . .	931	945	929	902	958	1,070	934	927	1,047	1,007	1,105	1,022	1,060
Percent of civilian labor force . . . . .	1.3	1.3	1.3	1.2	1.3	1.4	1.3	1.2	1.4	1.4	1.5	1.4	1.4

**Table A-27: Employment status, by age and sex, seasonally adjusted**

(In thousands)													
Employment status, age and sex	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
Civilian labor force . . . . .	74,426	74,187	74,159	74,315	74,230	74,340	74,595	74,583	73,760	73,835	73,667	73,224	73,572
Men, 20 years and over . . . . .	44,571	44,599	44,637	44,649	44,762	44,582	44,664	44,635	44,398	44,452	44,477	44,232	44,292
Women, 20 years and over . . . . .	23,195	23,086	22,912	23,131	22,955	23,200	23,234	23,379	22,874	23,022	22,832	22,753	22,879
Both sexes, 14 to 19 years . . . . .	6,660	6,502	6,610	6,535	6,513	6,558	6,697	6,569	6,488	6,361	6,358	6,239	6,401
Employed, all industries . . . . .	70,699	70,325	70,334	70,488	70,591	70,387	70,754	70,559	69,807	69,832	69,567	69,205	69,222
Men, 20 years and over . . . . .	43,000	42,830	42,901	42,992	43,099	42,798	43,054	42,937	42,660	42,626	42,583	42,324	42,300
Women, 20 years and over . . . . .	22,030	21,928	21,761	21,940	21,831	22,015	22,066	22,118	21,595	21,725	21,573	21,557	21,606
Both sexes, 14 to 19 years . . . . .	5,669	5,567	5,672	5,556	5,661	5,574	5,634	5,504	5,552	5,481	5,411	5,324	5,316
Employed, nonagricultural industries . . . . .	66,029	65,580	65,534	65,678	65,706	65,549	65,889	65,811	65,207	65,035	64,631	64,315	64,319
Men, 20 years and over . . . . .	39,778	39,501	39,542	39,647	39,711	39,400	39,750	39,696	39,513	39,332	39,161	38,950	38,946
Women, 20 years and over . . . . .	21,251	21,203	21,033	21,168	21,060	21,296	21,267	21,315	20,899	20,937	20,807	20,748	20,750
Both sexes, 14 to 19 years . . . . .	5,000	4,876	4,959	4,863	4,935	4,853	4,872	4,800	4,795	4,766	4,663	4,617	4,623
Unemployed . . . . .	3,727	3,862	3,825	3,827	3,639	3,953	3,841	4,024	3,953	4,003	4,100	4,019	4,350
Men, 20 years and over . . . . .	1,571	1,769	1,736	1,657	1,663	1,784	1,610	1,698	1,738	1,826	1,894	1,908	1,992
Women, 20 years and over . . . . .	1,165	1,158	1,151	1,191	1,124	1,185	1,168	1,261	1,279	1,297	1,259	1,196	1,273
Both sexes, 14 to 19 years . . . . .	991	935	938	979	852	984	1,063	1,065	936	880	947	915	1,085

**Table A-28: Persons at work in nonagricultural industries, by full- or part-time status, seasonally adjusted**

(In thousands)													
Full- or part-time status	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
On full-time schedules . . . . .	53,303	52,443	52,685	53,033	53,273	52,502	52,697	53,041	52,821	52,711	52,165	52,027	51,851
On part time for economic reasons . . . . .	1,938	2,109	2,140	2,103	2,171	2,250	2,148	2,146	2,130	2,250	2,121	2,180	2,202
Usually work full time . . . . .	890	973	978	900	995	1,100	932	992	1,003	1,085	957	1,023	1,034
Usually work part time . . . . .	1,048	1,136	1,162	1,203	1,176	1,150	1,216	1,154	1,127	1,165	1,164	1,157	1,168
On part time for noneconomic reasons; usually work part time . . . . .	7,131	7,383	6,899	7,297	7,570	7,554	7,473	7,431	7,106	7,030	7,044	6,827	6,870

# ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

Table B-1: Employees on nonagricultural payrolls, by industry division  
1919 to date  
(In thousands)

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Service and miscellaneous	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	1,133	1,021	10,659	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	892	1,094	17,328	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	836	1,152	15,524	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	862	1,661	14,703	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	955	1,982	15,545	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	994	2,169	15,582	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	930	2,165	14,441	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	901	2,333	15,241	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	792	2,802	16,882	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	822	2,999	17,243	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	828	2,923	17,174	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,368	751	2,778	15,945	3,976	10,750	2,848	7,902	2,519	6,811	7,839	2,191	5,648
1959.....	53,297	732	2,960	16,675	4,011	11,127	2,946	8,182	2,594	7,115	8,083	2,233	5,850
1960.....	54,203	712	2,885	16,796	4,004	11,391	3,004	8,388	2,669	7,392	8,353	2,270	6,083
1961.....	53,989	672	2,816	16,326	3,903	11,337	2,993	8,344	2,731	7,610	8,594	2,279	6,315
1962.....	55,515	650	2,902	16,853	3,906	11,566	3,056	8,511	2,800	7,947	8,890	2,340	6,550
1963.....	56,643	635	2,983	17,005	3,914	11,803	3,119	8,685	2,873	8,230	9,199	2,358	6,841
1963:													
November..	57,647	639	3,121	17,193	3,948	12,110	3,183	8,927	2,884	8,327	9,425	2,343	7,082
December..	58,012	634	2,872	17,096	3,935	12,725	3,210	9,515	2,887	8,299	9,564	2,482	7,082
1964:													
January..	56,328	618	2,579	16,893	3,877	11,855	3,172	8,683	2,882	8,233	9,391	2,323	7,068
February..	56,445	614	2,631	16,937	3,880	11,772	3,156	8,616	2,891	8,277	9,443	2,321	7,122
March....	56,783	615	2,707	17,005	3,885	11,862	3,156	8,706	2,901	8,328	9,480	2,323	7,157
April....	57,329	627	2,921	17,058	3,924	11,919	3,161	8,758	2,919	8,453	9,508	2,334	7,174
May.....	57,874	634	3,130	17,135	3,952	12,031	3,170	8,861	2,931	8,548	9,513	2,332	7,181
June.....	58,596	651	3,308	17,350	4,005	12,180	3,211	8,969	2,964	8,654	9,484	2,344	7,140
July.....	58,418	646	3,424	17,299	4,031	12,173	3,245	8,928	2,998	8,698	9,149	2,355	7,794
August....	58,680	647	3,482	17,498	4,043	12,201	3,266	8,935	2,998	8,676	9,135	2,356	6,779
September	59,258	645	3,391	17,792	4,045	12,243	3,258	8,985	2,972	8,661	9,509	2,320	7,189
October..	59,154	644	3,372	17,421	4,027	12,340	3,269	9,071	2,962	8,678	9,710	2,329	7,381
November..	59,349	645	3,260	17,603	4,015	12,497	3,262	9,235	2,957	8,613	9,759	2,336	7,423

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.  
Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

14

Table B-2: Employees on nonagricultural payrolls, by industry

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>TOTAL</b> .....	59,349	59,154	59,258	57,647	57,842	-	-	-	-	-
<b>MINING</b> .....	645	644	645	639	642	-	507	507	502	504
<b>METAL MINING</b> .....	-	84.5	79.8	81.2	82.0	-	69.7	65.7	67.6	68.4
Iron ores .....	-	28.0	28.2	25.8	26.4	-	23.9	24.0	22.0	22.5
Copper ores .....	-	28.3	23.5	27.7	27.4	-	22.4	18.4	22.7	22.5
<b>COAL MINING</b> .....	-	145.1	144.0	150.7	150.4	-	127.8	126.5	132.8	132.6
Bituminous .....	-	134.0	132.8	139.3	139.3	-	118.0	116.7	122.7	122.7
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	287.6	291.8	286.4	284.4	-	203.0	206.2	202.0	199.7
Crude petroleum and natural gas fields .....	-	159.3	162.4	162.1	162.3	-	91.2	93.1	93.7	93.7
Oil and gas field services .....	-	128.3	129.4	124.3	122.1	-	111.8	113.1	108.3	106.0
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	127.0	129.1	120.5	125.0	-	106.4	108.2	99.8	103.2
<b>CONTRACT CONSTRUCTION</b> .....	3,260	3,372	3,391	3,121	3,277	-	2,909	2,927	2,674	2,831
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	1,055.7	1,058.3	973.1	1,011.6	-	916.0	919.1	840.2	879.3
<b>HEAVY CONSTRUCTION</b> .....	-	697.3	712.8	627.1	702.1	-	616.0	630.1	549.0	623.4
Highway and street construction .....	-	380.7	394.0	332.9	392.3	-	345.9	358.4	298.8	357.7
Other heavy construction .....	-	316.6	318.8	294.2	309.8	-	270.1	271.7	250.2	265.7
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,619.4	1,619.4	1,520.4	1,563.4	-	1,376.6	1,377.3	1,285.1	1,327.8
<b>MANUFACTURING</b> .....	17,603	17,421	17,792	17,193	17,329	13,096	12,916	13,280	12,722	12,863
<b>DURABLE GOODS</b> .....	10,041	9,794	10,105	9,752	9,773	7,423	7,184	7,490	7,147	7,172
<b>NONDURABLE GOODS</b> .....	7,562	7,627	7,687	7,441	7,556	5,673	5,732	5,790	5,575	5,691
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	246.4	246.5	248.2	275.9	275.7	103.1	102.8	104.3	116.8	117.3
Ammunition, except for small arms .....	186.7	186.7	187.8	206.4	205.6	66.1	65.8	66.8	73.8	73.9
Sighting and fire control equipment .....	-	12.2	12.4	16.5	16.9	-	5.1	5.2	6.7	6.9
Other ordnance and accessories .....	47.6	47.6	48.0	53.0	53.2	31.8	31.9	32.3	36.3	36.5
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	597.2	606.5	618.0	599.1	607.5	534.5	543.2	555.4	535.8	544.2
Logging camps and logging contractors .....	86.4	92.0	94.9	89.3	92.2	81.9	86.8	90.3	83.5	86.5
Sawmills and planing mills .....	254.6	257.9	262.1	257.4	260.3	232.5	236.0	240.0	234.9	237.7
Sawmills and planing mills, general .....	-	222.1	226.5	222.2	225.0	-	203.4	207.5	202.7	205.4
Millwork, plywood, and related products .....	153.5	154.0	157.5	153.0	154.4	129.8	130.2	133.8	129.9	131.5
Millwork .....	-	68.5	70.2	69.3	70.5	-	55.5	57.3	56.4	57.5
Veneer and plywood .....	-	68.5	69.5	67.3	67.3	-	62.9	64.0	62.2	62.5
Wooden containers .....	36.6	36.2	36.9	35.6	36.0	32.9	32.5	33.3	32.2	32.5
Wooden boxes, shooks, and crates .....	-	28.2	28.8	27.0	27.7	-	25.4	26.0	24.4	25.0
Miscellaneous wood products .....	66.1	66.4	66.6	63.8	64.6	57.4	57.7	58.0	55.3	56.0

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA  
EMPLOYMENT

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>FURNITURE AND FIXTURES . . . . .</b>	<b>414.0</b>	<b>415.7</b>	<b>413.1</b>	<b>396.3</b>	<b>398.0</b>	<b>344.7</b>	<b>346.5</b>	<b>344.5</b>	<b>330.4</b>	<b>332.2</b>
Household furniture . . . . .	303.4	303.7	300.9	287.0	287.1	260.3	260.8	258.4	246.1	246.5
Wood house furniture, upholstered . . . . .	-	158.2	156.3	148.9	149.1	-	141.4	139.7	132.9	133.1
Wood house furniture, upholstered . . . . .	-	75.8	74.8	73.1	72.1	-	63.7	62.7	61.4	60.7
Mattresses and bedsprings . . . . .	-	35.4	36.0	33.7	34.5	-	27.8	28.6	26.4	27.1
Office furniture . . . . .	-	27.7	27.8	27.6	27.9	-	21.8	22.0	21.9	22.2
Partitions; office and store fixtures . . . . .	-	39.0	39.1	38.1	39.5	-	28.8	29.3	28.5	29.8
Other furniture and fixtures . . . . .	44.8	45.3	45.3	43.6	43.5	34.4	35.1	34.8	33.9	33.7
 <b>STONE, CLAY, AND GLASS PRODUCTS . . . . .</b>	 <b>626.2</b>	 <b>631.0</b>	 <b>640.0</b>	 <b>612.9</b>	 <b>617.1</b>	 <b>506.2</b>	 <b>511.3</b>	 <b>519.4</b>	 <b>495.1</b>	 <b>498.3</b>
Flat glass . . . . .	-	34.4	33.8	32.8	32.4	-	27.8	27.5	26.7	26.2
Glass and glassware, pressed or blown . . . . .	115.4	115.3	117.4	110.7	111.2	100.8	100.7	102.8	96.0	96.0
Glass containers . . . . .	-	62.6	64.8	61.1	61.8	-	55.1	57.3	53.8	54.2
Pressed and blown glassware, n.e.c. . . . .	-	52.7	52.6	49.6	49.4	-	45.6	45.5	42.2	41.8
Cement, hydraulic . . . . .	39.2	39.5	40.5	39.1	39.9	30.7	31.0	31.9	30.9	31.7
Structural clay products . . . . .	68.5	68.6	69.8	69.1	69.4	58.1	58.2	59.3	58.8	58.9
Brick and structural clay tile . . . . .	-	30.2	30.9	31.3	31.4	-	26.7	27.3	27.9	28.0
Pottery and related products . . . . .	-	42.4	43.8	44.5	44.1	-	35.9	37.1	38.0	37.5
Concrete, gypsum, and plaster products . . . . .	175.4	180.0	183.4	173.0	176.7	138.0	142.9	145.6	135.9	139.5
Other stone and mineral products . . . . .	129.4	129.5	130.0	123.7	123.3	97.4	97.5	97.8	92.4	91.9
Abrasive products . . . . .	-	24.1	24.4	23.5	23.2	-	15.5	15.6	14.6	14.3
 <b>PRIMARY METAL INDUSTRIES . . . . .</b>	 <b>1,253.3</b>	 <b>1,244.8</b>	 <b>1,258.8</b>	 <b>1,158.2</b>	 <b>1,158.3</b>	 <b>1,023.5</b>	 <b>1,014.2</b>	 <b>1,027.4</b>	 <b>933.1</b>	 <b>933.9</b>
Blast furnace and basic steel products . . . . .	645.3	642.5	649.0	571.9	574.6	531.1	527.8	533.7	461.4	464.3
Blast furnaces, steel and rolling mills . . . . .	-	570.2	576.1	503.5	505.1	-	470.6	476.0	408.4	410.1
Iron and steel foundries . . . . .	213.9	208.7	216.7	201.1	199.6	183.1	178.2	186.2	171.1	169.7
Gray iron foundries . . . . .	-	121.4	128.7	120.9	120.3	-	104.0	111.2	104.1	103.6
Malleable iron foundries . . . . .	-	25.7	26.1	23.8	24.5	-	22.0	22.4	19.8	20.5
Steel foundries . . . . .	-	61.6	61.9	56.4	54.8	-	52.2	52.6	47.2	45.6
Nonferrous smelting and refining . . . . .	71.7	71.6	68.9	70.0	69.7	55.7	55.4	52.9	54.0	53.9
Nonferrous rolling, drawing, and extruding . . . . .	187.3	186.9	188.2	184.8	184.6	142.9	142.4	143.4	140.8	140.5
Copper rolling, drawing, and extruding . . . . .	-	47.0	47.3	46.2	46.8	-	36.1	36.3	35.6	36.1
Aluminum rolling, drawing, and extruding . . . . .	-	60.5	61.1	60.8	60.5	-	45.9	46.3	46.2	45.8
Nonferrous wire drawing and insulating . . . . .	-	61.1	61.4	60.9	60.4	-	47.6	48.0	47.5	47.1
Nonferrous foundries . . . . .	74.5	74.7	75.7	71.7	71.3	61.9	62.1	63.0	59.4	59.2
Aluminum castings . . . . .	-	36.5	37.6	36.1	35.9	-	30.8	31.8	30.4	30.3
Other nonferrous castings . . . . .	-	38.2	38.1	35.6	35.4	-	31.3	31.2	29.0	28.9
Miscellaneous primary metal industries . . . . .	60.6	60.4	60.3	58.7	58.5	48.8	48.3	48.2	46.4	46.3
Iron and steel forgings . . . . .	-	41.8	42.0	41.1	41.0	-	34.1	34.2	32.8	32.8
 <b>FABRICATED METAL PRODUCTS . . . . .</b>	 <b>1,222.4</b>	 <b>1,195.7</b>	 <b>1,239.2</b>	 <b>1,178.7</b>	 <b>1,182.9</b>	 <b>943.3</b>	 <b>917.2</b>	 <b>960.6</b>	 <b>907.7</b>	 <b>912.6</b>
Metal cans . . . . .	59.0	60.1	64.5	59.4	59.8	49.5	50.5	54.8	49.8	50.1
Cutlery, hand tools, and general hardware . . . . .	151.2	136.6	150.7	143.5	142.1	119.7	105.2	119.2	113.8	112.1
Cutlery and hand tools, including saws . . . . .	-	56.7	56.3	54.8	54.0	-	44.8	44.3	43.1	42.1
Hardware, n.e.c. . . . .	-	79.9	94.4	88.7	88.1	-	60.4	74.9	70.7	70.0
Heating equipment and plumbing fixtures . . . . .	80.1	81.1	80.6	78.8	79.0	60.3	61.3	60.9	59.6	59.8
Sanitary ware and plumbers' brass goods . . . . .	-	36.0	35.2	34.5	34.5	-	29.4	28.7	28.0	28.1
Heating equipment, except electric . . . . .	-	45.1	45.4	44.3	44.5	-	31.9	32.2	31.6	31.7
Fabricated structural metal products . . . . .	362.6	366.4	368.5	345.5	349.3	259.9	263.9	265.8	245.9	250.3
Fabricated structural steel . . . . .	-	100.7	102.3	94.4	95.9	-	74.9	76.1	69.5	70.7
Metal doors, sash, frames, and trim . . . . .	-	69.9	70.2	65.6	66.4	-	50.7	51.0	47.7	48.7
Fabricated plate work (boiler shops) . . . . .	-	91.9	91.6	87.1	87.3	-	61.9	61.9	57.0	57.4
Sheet metal work . . . . .	-	63.5	64.1	60.3	61.0	-	47.5	47.8	44.5	45.5
Architectural and miscellaneous metal work . . . . .	-	40.4	40.3	38.1	38.7	-	28.9	29.0	27.2	28.0
Screw machine products, bolts, etc. . . . .	92.5	92.3	91.9	89.7	89.7	72.9	72.5	72.2	70.3	70.6
Screw machine products . . . . .	-	39.3	39.1	38.5	38.7	-	33.2	32.9	32.2	32.3
Bolts, nuts, screws, rivets, and washers . . . . .	-	53.0	52.8	51.2	51.0	-	39.3	39.3	38.1	38.3
Metal stampings . . . . .	206.6	191.8	212.6	204.5	204.0	167.8	153.0	174.0	167.1	166.6
Coating, engraving, and allied services . . . . .	77.8	77.4	77.7	73.8	74.4	65.9	65.4	65.8	62.1	62.4
Miscellaneous fabricated wire products . . . . .	61.0	60.0	59.8	56.2	56.6	49.2	48.4	48.2	44.9	45.5
Miscellaneous fabricated metal products . . . . .	131.6	130.0	132.9	127.3	128.0	98.1	97.0	99.7	94.2	95.2
Valves, pipe, and pipe fittings . . . . .	-	76.9	78.0	74.8	75.5	-	55.7	56.6	53.2	53.9

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA  
EMPLOYMENT**

16

**Table B-2: Employees on nonagricultural payrolls, by industry--Continued**

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>MACHINERY</b> . . . . .	1,631.2	1,629.3	1,636.4	1,542.9	1,538.8	1,134.2	1,135.4	1,141.8	1,064.8	1,062.8
Engines and turbines . . . . .	84.3	84.6	87.3	85.3	85.4	57.7	57.4	59.5	56.6	56.3
Steam engines and turbines . . . . .	-	32.5	32.6	34.4	34.6	-	17.8	17.9	19.4	19.4
Internal combustion engines, n.e.c. . . . .	-	52.1	54.7	50.9	50.8	-	39.6	41.6	37.2	36.9
Farm machinery and equipment . . . . .	-	122.7	123.2	116.4	115.6	-	88.5	88.9	83.6	83.0
Construction and related machinery . . . . .	236.1	234.8	237.3	219.9	219.5	162.0	161.1	162.9	147.1	147.2
Construction and mining machinery . . . . .	-	128.0	131.4	120.5	121.0	-	91.1	93.5	83.4	84.1
Oil field machinery and equipment . . . . .	-	35.6	35.5	32.8	32.5	-	24.2	24.1	21.6	21.3
Conveyors, hoists, and industrial cranes . . . . .	-	33.8	33.0	31.2	31.0	-	22.4	21.8	20.6	20.5
Metalworking machinery and equipment . . . . .	291.4	289.6	291.0	272.1	270.6	216.5	217.1	218.8	203.4	202.2
Machine tools, metal cutting types . . . . .	-	72.6	72.6	65.3	65.5	-	50.8	50.8	45.1	45.4
Special dies, tools, jigs, and fixtures . . . . .	-	97.4	98.5	95.5	93.9	-	79.3	80.5	78.2	76.5
Machine tool accessories . . . . .	-	48.9	49.5	46.8	46.5	-	35.8	36.4	34.0	33.8
Miscellaneous metalworking machinery . . . . .	-	70.7	70.4	64.5	64.7	-	51.2	51.1	46.1	46.5
Special industry machinery . . . . .	176.5	175.6	176.2	170.5	169.5	120.8	120.7	121.4	116.4	115.8
Food products machinery . . . . .	-	35.8	35.8	36.2	36.0	-	22.7	22.9	23.3	23.1
Textile machinery . . . . .	-	39.2	39.2	37.6	37.0	-	30.4	30.2	28.7	28.2
General industrial machinery . . . . .	254.4	253.6	253.7	236.9	237.1	171.1	170.2	170.5	156.2	157.1
Pumps; air and gas compressors . . . . .	-	71.2	71.0	66.4	67.6	-	40.9	40.6	36.8	38.1
Ball and roller bearings . . . . .	-	56.2	56.1	51.8	51.6	-	44.3	44.2	40.2	40.0
Mechanical power transmission goods . . . . .	-	49.5	49.3	45.2	44.9	-	36.8	36.8	33.4	33.3
Office, computing, and accounting machines . . . . .	170.4	169.9	168.2	162.5	162.7	98.2	97.9	96.8	94.3	94.8
Computing machines and cash registers . . . . .	-	125.5	124.1	119.5	119.1	-	67.7	66.8	64.7	64.5
Service industry machines . . . . .	106.4	105.1	105.6	101.4	101.7	73.3	72.3	72.6	68.8	69.1
Refrigeration, except home refrigerators . . . . .	-	65.1	65.3	62.6	62.9	-	44.8	44.9	42.6	42.9
Miscellaneous machinery . . . . .	193.9	193.4	193.9	177.9	176.7	150.8	150.2	150.4	138.4	137.3
Machine shops, jobbing and repair . . . . .	-	128.3	128.9	119.6	118.9	-	101.5	102.0	94.6	93.9
Machine parts, n.e.c., except electrical . . . . .	-	65.1	65.0	58.3	57.8	-	48.7	48.4	43.8	43.4
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	1,590.5	1,581.2	1,576.8	1,558.8	1,569.4	1,079.4	1,074.9	1,068.3	1,043.0	1,052.0
Electric distribution equipment . . . . .	176.8	176.0	174.3	168.9	167.9	119.3	118.8	116.9	111.9	110.7
Electric measuring instruments . . . . .	-	57.7	57.4	56.4	56.1	-	37.7	37.4	37.1	36.7
Power and distribution transformers . . . . .	-	45.6	45.5	42.3	42.4	-	32.1	32.0	29.1	29.2
Switchgear and switchboard apparatus . . . . .	-	72.7	71.4	70.2	69.4	-	49.0	47.5	45.7	44.8
Electrical industrial apparatus . . . . .	190.9	188.9	188.4	178.8	178.8	132.5	130.9	130.5	122.5	122.5
Motors and generators . . . . .	-	102.6	101.9	98.4	98.3	-	72.3	71.7	68.4	68.5
Industrial controls . . . . .	-	50.9	51.1	48.2	48.3	-	33.3	33.3	31.7	31.7
Household appliances . . . . .	160.6	159.7	159.6	161.8	160.7	125.0	124.1	124.1	125.0	123.9
Household refrigerators and freezers . . . . .	-	50.0	49.9	49.6	48.7	-	40.1	39.9	38.6	37.6
Household laundry equipment . . . . .	-	25.6	26.1	26.3	26.1	-	19.7	20.3	20.5	20.4
Electric housewares and fans . . . . .	-	36.6	35.8	37.8	38.0	-	28.7	27.9	29.5	29.7
Electric lighting and wiring equipment . . . . .	158.9	159.4	157.9	153.1	153.5	123.8	124.8	123.7	119.8	120.3
Electric lamps . . . . .	-	30.9	30.9	30.0	30.0	-	27.1	27.1	26.1	26.2
Lighting fixtures . . . . .	-	57.7	57.3	53.9	54.3	-	45.2	44.7	41.8	42.2
Wiring devices . . . . .	-	70.8	69.7	69.2	69.2	-	52.5	51.9	51.9	51.9
Radio and TV receiving sets . . . . .	125.8	127.7	125.4	117.6	120.5	99.1	101.2	99.1	91.5	93.9
Communication equipment . . . . .	408.4	404.9	403.5	417.7	424.8	205.4	204.1	201.6	205.8	211.8
Telephone and telegraph apparatus . . . . .	-	114.5	112.9	100.2	103.9	-	77.9	76.4	65.5	68.9
Radio and TV communication equipment . . . . .	-	290.4	290.6	317.5	320.9	-	126.2	125.2	140.3	142.9
Electronic components and accessories . . . . .	277.4	273.1	269.5	261.4	262.1	205.4	202.4	197.4	191.1	192.0
Electron tubes . . . . .	-	67.5	68.4	65.2	67.0	-	45.7	45.2	42.7	44.5
Electronic components, n.e.c. . . . .	-	205.6	201.1	196.2	195.1	-	156.7	152.2	148.4	147.5
Miscellaneous electrical equipment and supplies . . . . .	91.7	91.5	98.2	99.5	101.1	68.9	68.6	75.0	75.4	76.9
Electrical equipment for engines . . . . .	-	49.2	54.0	55.5	55.6	-	36.8	41.5	41.9	42.0
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	1,659.9	1,441.2	1,677.0	1,651.8	1,644.0	1,171.1	954.1	1,186.5	1,155.6	1,147.8
Motor vehicles and equipment . . . . .	(*)	597.5	823.1	785.0	776.0	(*)	417.2	641.8	613.5	604.9
Motor vehicles . . . . .	-	235.7	339.6	323.4	319.2	-	149.1	252.7	241.2	237.3
Passenger car bodies . . . . .	-	23.4	66.5	63.8	62.6	-	11.0	54.4	52.3	51.1
Truck and bus bodies . . . . .	-	29.0	34.6	33.1	33.4	-	22.6	28.3	27.0	27.2
Motor vehicle parts and accessories . . . . .	-	286.3	359.0	342.5	338.8	-	216.7	288.4	276.1	272.6
Aircraft and parts . . . . .	595.6	594.9	599.7	636.5	635.3	334.4	333.6	336.0	353.9	352.2
Aircraft . . . . .	-	310.1	313.6	338.0	335.3	-	170.8	172.9	182.8	180.1
Aircraft engines and engine parts . . . . .	-	186.2	187.1	198.4	197.9	-	97.8	98.3	105.9	105.8
Other aircraft parts and equipment . . . . .	-	98.6	99.0	100.1	102.1	-	65.0	64.8	65.2	66.3
Ship and boat building and repairing . . . . .	151.2	148.7	147.3	138.3	139.3	126.3	124.2	122.8	115.6	116.5
Ship building and repairing . . . . .	-	123.3	122.9	112.1	113.8	-	103.2	102.7	93.8	95.4
Boat building and repairing . . . . .	-	25.4	24.4	26.2	25.5	-	21.0	20.1	21.8	21.1
Railroad equipment . . . . .	-	48.3	54.8	48.2	48.3	-	36.2	42.6	36.9	37.1
Other transportation equipment . . . . .	-	51.8	52.1	43.8	45.1	-	42.9	43.3	35.7	37.1

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	371.7	370.6	372.2	369.0	368.2	235.9	234.7	236.8	235.0	235.2
Engineering and scientific instruments . . . . .	-	66.7	67.0	71.8	72.2	-	34.2	34.7	37.9	38.1
Mechanical measuring and control devices . . . . .	95.7	95.2	97.1	93.7	93.1	62.1	61.8	63.8	60.7	60.5
Mechanical measuring devices . . . . .	-	58.3	59.9	57.5	57.1	-	35.8	37.6	35.6	35.5
Automatic temperature controls . . . . .	-	36.9	37.2	36.2	36.0	-	26.0	26.2	25.1	25.0
Optical and ophthalmic goods . . . . .	46.1	46.0	45.2	43.3	43.0	32.9	33.0	32.1	31.2	30.9
Surgical, medical, and dental equipment . . . . .	55.2	54.8	55.3	53.5	53.4	37.9	37.5	38.1	37.2	37.2
Photographic equipment and supplies . . . . .	(*)	78.0	78.2	75.8	75.3	(*)	44.2	44.4	42.7	42.8
Watches and clocks . . . . .	-	29.9	29.4	30.9	31.2	-	24.0	23.7	25.3	25.7
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	428.6	431.1	424.8	407.9	412.7	347.1	349.3	344.6	330.1	335.8
Jewelry, silverware, and plated ware . . . . .	47.4	-	46.6	43.6	43.2	37.6	37.2	37.0	33.7	33.5
Toys, amusement, and sporting goods . . . . .	-	129.3	125.2	114.5	121.2	-	110.2	106.9	97.0	103.7
Toys, games, dolls, and play vehicles . . . . .	-	89.8	86.0	75.5	82.3	-	78.8	75.3	65.8	72.6
Sporting and athletic goods, n.e.c. . . . .	-	39.5	39.2	39.0	38.9	-	31.4	31.6	31.2	31.1
Pens, pencils, office, and art materials . . . . .	-	33.1	32.9	32.9	31.7	-	24.7	24.5	24.7	24.2
Costume jewelry, buttons, and notions . . . . .	-	55.4	55.1	54.8	55.4	-	46.1	46.0	45.4	45.9
Other manufacturing industries . . . . .	166.2	166.4	165.0	162.1	161.2	130.9	131.1	130.2	129.3	128.5
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	1,749.6	1,813.5	1,861.9	1,758.7	1,838.2	1,169.0	1,225.8	1,271.5	1,175.2	1,254.0
Meat products . . . . .	323.6	316.5	318.1	319.9	320.2	259.5	253.2	255.6	258.2	259.0
Meat packing . . . . .	-	195.4	196.9	197.1	196.5	-	151.2	153.5	154.8	154.6
Sausages and other prepared meats . . . . .	-	45.7	46.1	46.5	46.3	-	32.9	33.3	33.3	33.2
Poultry dressing and packing . . . . .	-	75.4	75.1	76.3	77.4	-	69.1	68.8	70.1	71.2
Dairy products . . . . .	280.6	283.5	290.1	287.1	291.1	132.7	134.3	139.0	139.2	142.0
Ice cream and frozen desserts . . . . .	-	30.4	32.4	30.2	31.6	-	15.9	17.4	15.8	16.5
Fluid milk . . . . .	-	203.2	206.7	207.4	208.6	-	80.5	82.7	85.3	86.3
Canned and preserved food, except meats . . . . .	-	302.6	356.6	235.0	303.9	-	262.8	315.9	196.2	264.2
Canned, cured, and frozen sea foods . . . . .	-	43.7	45.5	38.8	43.2	-	38.3	40.5	33.9	38.5
Canned food, except sea foods . . . . .	-	170.7	222.5	114.7	165.7	-	148.0	198.9	92.0	142.0
Frozen food, except sea foods . . . . .	-	53.3	52.4	47.5	57.1	-	48.2	46.8	42.8	52.4
Grain mill products . . . . .	125.8	128.6	129.9	128.3	131.8	87.2	90.8	92.0	88.9	92.7
Flour and other grain mill products . . . . .	-	32.4	32.4	33.8	33.7	-	21.9	21.9	22.8	22.7
Prepared feeds for animals and fowls . . . . .	-	57.6	58.8	56.3	58.8	-	39.6	40.8	37.6	40.3
Bakery products . . . . .	287.8	288.8	289.8	289.6	290.5	166.0	166.9	168.2	167.4	168.8
Bread, cake, and perishable products . . . . .	-	244.5	245.3	246.2	246.1	-	130.0	131.1	131.5	131.8
Biscuit, crackers, and pretzels . . . . .	-	44.3	44.5	43.4	44.4	-	36.9	37.1	35.9	37.0
Sugar . . . . .	-	48.6	34.4	52.2	50.2	-	40.9	27.2	45.1	42.6
Confectionery and related products . . . . .	82.1	80.1	78.1	84.1	83.2	67.4	65.4	63.5	67.9	67.9
Candy and other confectionery products . . . . .	-	65.9	63.4	69.0	67.6	-	55.1	52.8	56.6	56.2
Beverages . . . . .	217.1	220.5	222.3	215.9	219.5	113.0	115.6	116.1	113.5	116.8
Malt liquors . . . . .	-	60.2	62.8	63.3	63.0	-	39.7	42.2	41.7	41.5
Bottled and canned soft drinks . . . . .	-	114.5	117.8	110.0	111.0	-	42.2	44.1	40.9	41.5
Miscellaneous food and kindred products . . . . .	143.2	144.3	142.6	146.6	147.8	95.2	95.9	94.0	98.8	100.0
<b>TOBACCO MANUFACTURES</b> . . . . .	96.5	106.0	102.6	97.5	104.4	84.8	93.8	90.9	85.4	92.0
Cigarettes . . . . .	-	37.8	38.3	38.1	38.1	-	31.4	32.0	31.8	31.8
Cigars . . . . .	-	25.7	25.4	23.3	23.1	-	24.1	23.9	21.7	21.6
<b>TEXTILE MILL PRODUCTS</b> . . . . .	911.3	906.5	906.9	894.1	896.9	814.9	811.0	811.4	801.0	803.1
Cotton broad woven fabrics . . . . .	231.5	231.2	230.0	229.2	229.6	213.1	212.8	211.7	212.0	212.4
Silk and synthetic broad woven fabrics . . . . .	88.0	87.5	87.0	86.7	85.9	79.3	78.9	78.5	78.3	77.4
Weaving and finishing broad woolens . . . . .	45.4	45.3	46.8	47.2	48.6	39.6	39.5	41.0	41.3	42.6
Narrow fabrics and small wares . . . . .	30.2	29.5	29.2	28.3	28.4	26.6	26.2	25.8	25.0	24.9
Knitting . . . . .	223.4	224.1	224.3	217.7	221.0	200.5	201.2	201.5	195.5	198.7
Full-fashioned hosiery . . . . .	-	13.1	13.1	12.6	12.6	-	11.6	11.6	11.1	11.1
Seamless hosiery . . . . .	-	84.1	84.0	84.2	84.8	-	77.5	77.3	77.8	78.3
Knit outerwear . . . . .	-	70.7	70.4	65.3	67.2	-	62.1	61.9	59.1	57.2
Knit underwear . . . . .	-	32.1	32.2	32.0	32.4	-	29.1	29.2	28.9	29.2
Finishing textiles, except wool and knit . . . . .	77.2	76.8	77.1	76.2	75.5	66.2	66.0	66.1	65.3	64.5
Floor covering . . . . .	-	38.1	37.9	37.8	37.7	-	31.5	31.4	31.5	31.4
Yarn and thread . . . . .	107.4	107.0	107.0	103.2	102.6	99.4	99.1	99.0	95.2	94.5
Miscellaneous textile goods . . . . .	69.4	67.0	67.6	67.8	67.6	57.8	55.8	56.4	56.9	56.7

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

18

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Nondurable Goods--Continued</i>										
<b>APPAREL AND RELATED PRODUCTS</b>	1,339.0	1,340.7	1,342.2	1,293.3	1,314.0	1,192.1	1,192.9	1,195.6	1,146.5	1,166.6
Men's and boys' suits and coats	114.6	113.8	114.1	111.4	111.7	102.1	101.9	102.1	99.3	99.7
Men's and boys' furnishings	345.1	343.7	342.9	326.9	330.4	312.7	311.6	311.6	296.2	299.8
Men's and boys' shirts and nightwear	-	124.9	124.8	122.6	123.5	-	113.2	113.5	110.3	111.5
Men's and boys' separate trousers	-	66.4	66.6	63.7	64.0	-	62.5	62.7	59.9	60.2
Work clothing	-	78.1	78.3	73.1	72.9	-	69.9	70.2	65.7	65.6
Women's, misses', and juniors' outerwear	399.3	402.9	405.2	390.1	398.9	358.5	361.7	363.7	346.5	354.9
Women's blouses, waists, and shirts	-	52.1	51.9	51.5	51.4	-	48.0	47.6	46.7	46.6
Women's, misses', and juniors' dresses	-	191.6	193.3	193.2	194.9	-	171.9	173.4	172.1	173.5
Women's suits, skirts, and coats	-	91.1	92.9	79.9	89.3	-	81.7	83.4	70.3	79.5
Women's and misses' outerwear, n.e.c.	-	68.1	67.1	65.5	63.3	-	60.1	59.3	57.4	55.3
Women's and children's undergarments	124.8	125.2	124.0	123.2	122.6	110.9	111.1	109.9	109.8	109.3
Women's and children's underwear	-	82.4	82.1	80.6	80.6	-	75.3	75.0	74.1	74.1
Corsets and allied garments	-	42.8	41.9	42.6	42.0	-	35.8	34.9	35.7	35.2
Hats, caps, and millinery	-	32.6	32.6	30.7	33.5	-	28.9	28.9	26.8	29.4
Girls' and children's outerwear	76.0	77.8	77.3	75.2	76.6	67.9	69.6	69.0	66.9	68.3
Children's dresses, blouses, and shirts	-	34.9	34.2	35.7	34.8	-	31.5	30.8	32.1	31.3
Fur goods and miscellaneous apparel	-	79.9	78.6	76.2	78.5	-	70.0	68.8	66.2	68.3
Miscellaneous fabricated textile products	168.4	164.8	167.5	159.6	161.8	142.7	138.1	141.6	134.8	136.9
Housefurnishings	-	62.0	60.1	58.4	58.2	-	52.9	51.0	49.7	49.4
<b>PAPER AND ALLIED PRODUCTS</b>	637.7	638.4	639.7	625.7	625.8	498.6	499.7	501.4	491.3	492.5
Paper and pulp	217.1	218.3	218.1	218.0	218.2	173.0	174.1	174.0	174.8	175.2
Paperboard	64.6	66.7	67.4	65.7	65.5	51.0	53.2	54.2	52.4	52.3
Converted paper and paperboard products	155.7	154.7	156.5	149.0	149.1	114.9	113.9	115.6	110.5	111.0
Bags, except textile bags	-	36.2	36.5	36.0	36.1	-	29.0	29.3	29.3	29.5
Paperboard containers and boxes	200.3	198.7	197.7	193.0	193.0	159.7	158.5	157.6	153.6	154.0
Folding and setup paperboard boxes	-	68.0	67.3	66.6	66.4	-	56.1	55.4	55.2	55.0
Corrugated and solid fiber boxes	-	85.4	85.0	82.3	82.7	-	66.2	65.8	63.3	63.8
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	962.6	961.9	958.6	943.8	944.5	611.6	610.9	609.5	598.3	600.0
Newspaper publishing and printing	339.8	339.5	337.1	335.8	337.1	173.1	172.1	170.9	170.0	170.7
Periodical publishing and printing	-	69.0	68.3	68.3	68.1	-	26.3	26.0	26.6	27.0
Books	-	74.5	74.7	72.4	72.9	-	45.9	45.8	43.5	44.0
Commercial printing	310.1	310.3	309.6	302.6	301.6	242.9	243.0	242.6	237.3	236.8
Commercial printing, except lithographic	-	206.9	206.7	202.5	201.4	-	163.4	163.6	160.0	159.6
Commercial printing, lithographic	-	92.4	91.8	89.5	89.4	-	70.8	70.0	68.7	68.4
Bookbinding and related industries	51.4	51.3	51.5	50.0	50.5	41.6	41.5	41.7	40.0	40.7
Other publishing and printing industries	117.2	117.3	117.4	114.7	114.3	82.0	82.1	82.5	80.9	80.8
<b>CHEMICALS AND ALLIED PRODUCTS</b>	876.4	876.6	884.3	864.8	868.5	525.4	526.0	532.3	522.7	527.0
Industrial chemicals	282.9	282.4	287.0	283.4	283.0	160.6	160.4	164.7	162.9	163.1
Plastics and synthetics, except glass	189.3	188.9	190.2	179.4	179.3	127.4	127.1	128.3	120.3	120.2
Plastics and synthetics, except fibers	-	84.2	85.5	81.7	81.9	-	53.3	54.6	52.2	52.4
Synthetic fibers	-	90.7	90.6	84.2	83.9	-	64.4	64.2	59.2	58.9
Drugs	111.4	111.6	111.6	112.8	112.7	58.8	58.8	58.7	60.9	60.8
Pharmaceutical preparations	-	82.3	82.3	83.2	83.1	-	41.9	41.7	43.4	43.5
Soap, cleaners, and toilet goods	99.2	99.9	99.8	96.9	99.0	61.1	62.0	61.7	59.5	61.7
Soap and detergents	-	35.7	36.2	34.5	35.7	-	25.1	25.5	24.2	25.6
Toilet preparations	-	35.9	35.5	35.1	36.0	-	22.5	22.0	21.3	22.0
Paints, varnishes, and allied products	64.5	64.8	65.9	63.3	63.5	36.0	36.4	37.3	35.8	36.1
Agricultural chemicals	47.9	48.6	48.8	48.1	49.6	30.6	31.3	31.4	31.6	33.0
Fertilizers, complete and mixing only	-	36.3	36.2	36.0	37.5	-	25.0	24.9	25.1	26.5
Other chemical products	81.2	80.4	81.0	80.9	81.4	50.9	50.0	50.2	51.7	52.1
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>	185.1	186.5	188.4	188.9	190.8	114.1	115.5	117.5	119.2	121.1
Petroleum refining	150.6	150.7	151.8	153.9	154.4	90.0	90.2	91.4	94.5	95.1
Other petroleum and coal products	34.5	35.8	36.6	35.0	36.4	24.1	25.3	26.1	24.7	26.0
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b>	442.5	440.6	443.9	422.9	421.4	344.3	342.7	344.9	326.1	324.7
Tires and inner tubes	99.4	96.7	100.4	96.2	93.5	71.4	69.6	72.5	68.2	65.9
Other rubber products	168.6	168.8	169.3	165.4	164.9	133.2	133.1	133.2	130.1	129.2
Miscellaneous plastic products	174.5	175.1	174.2	161.3	163.0	139.7	140.0	139.2	127.8	129.6
<b>LEATHER AND LEATHER PRODUCTS</b>	361.0	356.5	358.0	350.8	351.7	318.1	313.7	314.9	309.1	309.8
Leather tanning and finishing	32.5	32.2	32.3	31.6	31.5	28.3	28.2	28.2	27.8	27.6
Footwear, except rubber	238.0	233.9	236.2	231.2	229.4	211.5	207.6	209.7	205.5	203.7
Other leather products	90.5	90.4	89.5	88.0	90.8	78.3	77.9	77.0	75.8	78.5

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.



ESTABLISHMENT DATA  
EMPLOYMENT

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

	(In thousands)					Production workers <sup>1</sup>				
	All employees									
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	4,015	4,027	4,045	3,948	3,972	-	-	-	-	-
RAILROAD TRANSPORTATION . . . . .	-	754.7	761.4	768.0	773.4	-	-	-	-	-
Class I railroads . . . . .	-	661.1	667.5	675.4	680.8	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT . . . . .	-	278.1	276.6	278.0	276.7	-	-	-	-	-
Local and suburban transportation . . . . .	-	86.7	86.6	89.1	89.3	-	82.2	82.3	84.8	84.9
Taxicabs . . . . .	-	107.9	105.9	112.4	110.9	-	-	-	-	-
Intercity and rural bus lines . . . . .	-	42.8	44.9	41.0	41.5	-	39.5	41.7	38.0	38.5
MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .	-	983.4	991.3	939.4	950.7	-	895.4	902.6	853.1	864.1
AIR TRANSPORTATION . . . . .	-	217.2	216.7	203.7	202.9	-	-	-	-	-
Air transportation, common carriers . . . . .	-	196.7	196.5	183.3	182.7	-	-	-	-	-
PIPELINE TRANSPORTATION . . . . .	-	19.9	20.4	20.3	20.4	-	16.7	17.2	17.3	17.4
OTHER TRANSPORTATION . . . . .	-	312.1	306.9	310.0	311.7	-	-	-	-	-
COMMUNICATION . . . . .	-	851.1	854.8	820.0	826.8	-	-	-	-	-
Telephone communication . . . . .	-	707.6	711.8	681.1	687.2	-	566.4	569.9	546.1	552.3
Telegraph communication . . . . .	-	31.3	31.5	32.5	32.8	-	22.1	22.4	23.0	23.2
Radio and television broadcasting . . . . .	-	107.3	106.6	101.5	101.9	-	87.2	87.2	82.9	83.4
ELECTRIC, GAS, AND SANITARY SERVICES . . . . .	-	610.7	616.9	608.4	608.9	-	533.1	539.7	530.1	531.0
Electric companies and systems . . . . .	-	248.1	250.5	245.6	245.8	-	210.9	213.1	209.2	209.5
Gas companies and systems . . . . .	-	151.1	152.6	152.8	152.8	-	134.1	136.0	134.6	134.6
Combined utility systems . . . . .	-	173.9	176.0	173.6	173.9	-	155.6	157.7	154.5	155.1
Water, steam, and sanitary systems . . . . .	-	37.6	37.8	36.4	36.4	-	32.5	32.9	31.8	31.8
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b> . . . . .	12,497	12,340	12,243	12,110	11,951	-	9,321	9,218	9,233	9,073
WHOLESALE TRADE . . . . .	3,262	3,269	3,258	3,183	3,181	-	2,788	2,779	2,725	2,727
Motor vehicles and automotive equipment . . . . .	-	244.1	245.8	238.7	237.5	-	205.1	206.6	201.5	201.1
Drugs, chemicals, and allied products . . . . .	-	192.7	192.6	190.5	189.9	-	160.1	159.8	158.3	157.6
Dry goods and apparel . . . . .	-	137.2	137.2	134.4	133.7	-	113.0	112.9	111.0	111.4
Groceries and related products . . . . .	-	520.9	522.0	504.6	513.1	-	460.3	460.9	446.0	453.6
Electrical goods . . . . .	-	237.9	239.2	233.4	234.5	-	197.7	199.4	199.3	201.1
Hardware, plumbing, and heating goods . . . . .	-	147.3	147.6	144.8	145.3	-	125.9	126.2	124.8	125.6
Machinery, equipment, and supplies . . . . .	-	566.2	566.1	545.0	541.8	-	480.0	480.7	463.6	461.2
RETAIL TRADE <sup>2</sup> . . . . .	9,235	9,071	8,985	8,927	8,770	-	6,533	6,439	6,508	6,346
GENERAL MERCHANDISE STORES . . . . .	-	1,805.5	1,741.2	1,836.9	1,720.6	-	1,651.3	1,589.8	1,691.9	1,575.5
Department stores . . . . .	-	1,108.0	1,060.9	1,123.9	1,039.9	-	1,016.8	970.7	1,036.0	951.1
Limited price variety stores . . . . .	-	306.9	301.5	326.7	315.4	-	283.2	278.6	304.5	292.6
FOOD STORES . . . . .	-	1,433.5	1,414.3	1,405.4	1,398.5	-	1,334.1	1,314.3	1,310.2	1,304.0
Grocery, meat, and vegetable stores . . . . .	-	1,264.8	1,249.6	1,234.7	1,229.4	-	1,174.4	1,159.2	1,147.7	1,143.2
APPAREL AND ACCESSORIES STORES . . . . .	-	639.6	630.1	635.8	617.7	-	577.1	568.7	577.0	558.8
Men's and boys' apparel stores . . . . .	-	103.3	100.5	101.5	97.3	-	93.2	91.0	92.1	87.7
Women's ready-to-wear stores . . . . .	-	240.9	235.8	238.5	231.7	-	219.1	214.3	217.5	211.0
Family clothing stores . . . . .	-	99.9	98.4	100.1	95.4	-	92.8	91.2	93.2	88.4
Shoe stores . . . . .	-	118.1	123.1	120.6	119.0	-	103.0	108.0	106.4	104.8
FURNITURE AND APPLIANCE STORES . . . . .	-	401.9	395.8	398.5	394.8	-	356.0	350.5	354.1	350.9
EATING AND DRINKING PLACES . . . . .	-	1,831.1	1,842.9	1,749.2	1,758.9	-	-	-	-	-
OTHER RETAIL TRADE . . . . .	-	2,959.0	2,960.3	2,900.8	2,879.6	-	2,614.5	2,615.6	2,574.8	2,556.6
Motor vehicle dealers . . . . .	-	703.5	703.1	680.2	677.7	-	608.5	608.4	590.3	588.6
Other vehicle and accessory dealers . . . . .	-	168.4	168.8	165.0	160.5	-	145.2	145.6	142.0	137.1
Drug stores . . . . .	-	392.3	392.2	383.8	377.9	-	359.7	357.6	355.6	349.9

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA EMPLOYMENT

20

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>FINANCE, INSURANCE, AND REAL ESTATE . . . . .</b>	<b>2,957</b>	<b>2,962</b>	<b>2,972</b>	<b>2,884</b>	<b>2,890</b>	-	-	-	-	-
Banking . . . . .	-	763.6	765.7	746.8	745.6	-	642.6	645.3	631.9	631.5
Credit agencies other than banks . . . . .	-	322.9	321.2	306.8	305.5	-	-	-	-	-
Savings and loan associations . . . . .	-	95.6	95.3	91.5	91.0	-	-	-	-	-
Personal credit institutions . . . . .	-	171.1	169.8	160.4	159.9	-	-	-	-	-
Security dealers and exchanges <sup>2</sup> . . . . .	-	126.4	127.1	124.0	123.8	-	112.0	112.7	113.7	113.6
Insurance carriers <sup>3</sup> . . . . .	-	886.8	889.8	874.8	872.7	-	633.4	636.8	782.4	780.5
Life insurance <sup>3</sup> . . . . .	-	470.4	471.9	465.9	465.3	-	277.4	279.0	420.5	419.6
Accident and health insurance <sup>3</sup> . . . . .	-	55.3	55.6	53.7	53.5	-	47.1	47.3	47.9	47.7
Fire, marine, and casualty insurance <sup>3</sup> . . . . .	-	315.8	316.9	311.0	309.7	-	270.4	271.8	276.1	275.4
Insurance agents, brokers, and services . . . . .	-	226.8	227.2	219.9	219.2	-	-	-	-	-
Real estate . . . . .	-	556.0	562.3	534.1	545.1	-	-	-	-	-
Operative builders . . . . .	-	44.5	44.6	45.6	48.0	-	-	-	-	-
Other finance, insurance, and real estate . . . . .	-	79.1	79.1	78.0	78.3	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS . . . . .</b>	<b>8,613</b>	<b>8,678</b>	<b>8,661</b>	<b>8,327</b>	<b>8,388</b>	-	-	-	-	-
Hotel and lodging places . . . . .	-	623.2	647.0	571.7	600.6	-	-	-	-	-
Hotels, tourist courts, and motels . . . . .	-	572.2	584.2	523.7	549.6	-	536.5	547.3	492.0	516.9
Personal services:	-	-	-	-	-	-	-	-	-	-
Laundries, cleaning and dyeing plants <sup>4</sup> . . . . .	-	542.2	540.6	527.5	528.9	-	483.6	482.8	386.7	388.0
Miscellaneous business services:	-	-	-	-	-	-	-	-	-	-
Advertising . . . . .	-	110.2	110.0	110.9	110.6	-	-	-	-	-
Motion pictures . . . . .	-	178.1	181.1	170.0	175.2	-	-	-	-	-
Motion picture filming and distributing . . . . .	-	46.1	44.3	41.9	42.4	-	28.4	27.8	26.7	26.4
Motion picture theaters and services . . . . .	-	132.0	136.8	128.1	132.8	-	-	-	-	-
Medical services:	-	-	-	-	-	-	-	-	-	-
Hospitals . . . . .	-	1,371.9	1,367.1	1,329.2	1,325.9	-	-	-	-	-
<b>GOVERNMENT . . . . .</b>	<b>9,759</b>	<b>9,710</b>	<b>9,509</b>	<b>9,425</b>	<b>9,393</b>	-	-	-	-	-
<b>FEDERAL GOVERNMENT<sup>5</sup> . . . . .</b>	<b>2,336</b>	<b>2,329</b>	<b>2,320</b>	<b>2,343</b>	<b>2,343</b>	-	-	-	-	-
Executive . . . . .	-	2,298.8	2,289.9	2,312.8	2,313.3	-	-	-	-	-
Department of Defense . . . . .	-	927.5	929.6	940.1	941.5	-	-	-	-	-
Post Office Department . . . . .	-	591.8	582.9	593.3	588.5	-	-	-	-	-
Other agencies . . . . .	-	779.5	777.4	779.4	783.3	-	-	-	-	-
Legislative . . . . .	-	24.6	24.7	24.1	24.1	-	-	-	-	-
Judicial . . . . .	-	5.8	5.8	5.7	5.7	-	-	-	-	-
<b>STATE AND LOCAL GOVERNMENT . . . . .</b>	<b>7,423</b>	<b>7,381</b>	<b>7,189</b>	<b>7,082</b>	<b>7,050</b>	-	-	-	-	-
State government . . . . .	-	1,898.1	1,830.1	1,798.6	1,789.7	-	-	-	-	-
State education . . . . .	-	656.9	562.9	611.4	598.4	-	-	-	-	-
Other State government . . . . .	-	1,241.2	1,267.2	1,187.2	1,191.3	-	-	-	-	-
Local government . . . . .	-	5,483.2	5,358.6	5,283.7	5,259.8	-	-	-	-	-
Local education . . . . .	-	3,052.1	2,894.5	2,916.9	2,891.0	-	-	-	-	-
Other local government . . . . .	-	2,431.1	2,464.1	2,366.8	2,368.8	-	-	-	-	-

<sup>1</sup> For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; and for all other industries, to nonsupervisory workers.

<sup>2</sup> Data for nonsupervisory workers exclude eating and drinking places.

<sup>3</sup> Beginning January 1964, nonoffice salesmen excluded from nonsupervisory count.

<sup>4</sup> Beginning January 1964, entries in the production worker columns relate to nonsupervisory workers and are not comparable with the production worker levels of prior years.

<sup>5</sup> Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

\* Not available.

NOTE: Data for the 2 most recent months are preliminary.

## SEASONALLY ADJUSTED EMPLOYMENT

Table B-4: Indexes of employment on nonagricultural payrolls, by industry division,  
1919 to date, monthly data seasonally adjusted

1957-59=100

Year and month	TOTAL	Mining	Contract construc- tion	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Service and miscel- laneous	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.6	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	34.1	-	-
1920.....	52.1	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	33.2	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.2	-	-
1922.....	49.2	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.3	-	-
1923.....	54.1	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.2	-	-
1924.....	53.4	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.4	34.7	-	-
1925.....	54.8	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.7	-	-
1926.....	56.8	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.3	-	-
1927.....	57.1	144.7	55.7	60.3	95.6	54.1	-	-	54.0	46.0	37.2	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	38.2	-	-
1929.....	59.7	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	39.1	24.1	45.0
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	40.1	23.8	46.6
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.6	25.3	48.0
1932.....	45.0	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	41.1	25.2	47.3
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.4	25.5	46.2
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	42.0	29.4	47.0
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.4	34.0	48.4
1936.....	55.4	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.3	46.7	37.3	50.5
1937.....	59.1	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.9	37.6	51.9
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.5	37.4	54.2
1939.....	58.3	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.9	40.9	54.9
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.6	45.0	56.9
1941.....	69.6	124.3	62.0	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.4	60.5	58.9
1942.....	76.4	128.8	75.2	92.1	84.9	65.2	62.9	66.0	60.8	59.3	69.9	100.0	58.1
1943.....	80.8	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	77.5	131.2	56.4
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	77.0	132.2	55.3
1945.....	76.9	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.8	126.8	55.7
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.5	71.3	101.8	59.3
1947.....	83.6	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.3	69.8	85.5	63.6
1948.....	85.5	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	72.0	84.1	67.2
1949.....	83.4	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.4	74.6	86.2	70.1
1950.....	86.1	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.1	76.8	87.1	72.8
1951.....	91.1	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	81.4	104.0	72.6
1952.....	93.0	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	84.2	109.3	74.4
1953.....	95.6	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.7	104.1	77.1
1954.....	93.3	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.1	86.0	98.8	81.0
1955.....	96.5	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	88.1	98.8	83.9
1956.....	99.8	106.8	103.9	103.9	104.1	99.4	99.6	99.4	96.0	94.8	92.7	99.8	90.0
1957.....	100.7	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	97.1	100.1	95.9
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.8	99.9	99.0	100.3
1959.....	101.5	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.2	103.0	100.9	103.9
1960.....	103.2	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.3	106.5	102.5	108.0
1961.....	102.8	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	110.4	109.5	102.9	112.1
1962.....	105.7	84.4	100.5	101.5	95.8	105.9	105.5	106.1	110.7	115.3	113.3	105.7	116.3
1963.....	107.9	82.5	103.3	102.5	96.0	108.1	107.7	108.2	113.6	119.4	117.2	106.5	121.5
1963: November..	108.7	82.5	104.4	102.8	96.5	109.1	109.0	109.1	114.5	121.2	118.6	105.9	123.5
1963: December..	109.1	82.6	105.7	103.1	96.4	109.4	109.5	109.4	114.8	121.4	119.0	106.0	124.1
1964: January..	109.2	82.1	101.9	103.2	96.6	110.1	110.1	110.1	115.1	121.9	119.3	105.8	124.6
1964: February..	109.8	82.2	108.5	103.5	96.7	110.6	110.2	110.8	115.3	122.4	119.4	105.6	124.8
1964: March....	110.0	82.2	108.1	103.7	96.7	110.6	110.4	110.6	115.6	122.7	119.7	105.6	125.3
1964: April....	110.1	82.2	106.7	103.8	97.3	110.8	110.7	110.8	115.8	122.8	120.3	105.7	126.0
1964: May.....	110.3	81.9	107.1	103.8	97.4	111.1	110.9	111.2	116.0	123.2	120.5	105.6	126.4
1964: June.....	110.6	83.0	107.6	104.1	97.3	111.6	111.4	111.7	116.3	123.5	120.7	104.9	126.9
1964: July.....	110.9	83.0	107.6	104.5	97.7	111.9	111.6	112.0	116.5	124.2	120.5	104.9	126.6
1964: August....	111.0	82.3	107.5	104.5	98.1	112.0	111.3	112.2	116.6	124.4	120.7	105.1	126.8
1964: September..	111.3	82.3	106.7	105.1	98.3	112.0	111.4	112.2	117.0	124.7	121.2	104.8	127.6
1964: October..	111.1	82.9	107.4	103.4	98.0	112.4	111.6	112.7	117.2	125.3	122.3	105.3	129.0
1964: November..	111.9	83.2	109.1	105.3	98.1	112.5	111.7	112.8	117.4	125.3	122.7	105.6	129.5

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA

## SEASONALLY ADJUSTED EMPLOYMENT

22

Table B-5: Employees on nonagricultural payrolls by industry, seasonally adjusted

	(In thousands)												
Industry division and group	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
TOTAL .....	58,790	58,372	58,458	58,301	58,256	58,104	57,931	57,827	57,754	57,684	57,334	57,291	57,101
MINING .....	641	638	634	634	639	639	631	633	633	633	632	636	635
CONTRACT CONSTRUCTION .....	3,150	3,102	3,080	3,103	3,107	3,106	3,093	3,081	3,122	3,132	2,941	3,052	3,015
MANUFACTURING .....	17,472	17,164	17,449	17,339	17,344	17,285	17,225	17,224	17,208	17,171	17,131	17,115	17,059
DURABLE GOODS .....	9,962	9,691	9,986	9,886	9,890	9,826	9,780	9,798	9,784	9,740	9,725	9,717	9,670
Ordnance and accessories .....	245	247	248	250	255	260	265	267	269	271	274	275	274
Lumber and wood products .....	595	592	593	595	599	593	596	600	603	602	597	600	597
Furniture and fixtures .....	408	407	405	403	405	402	398	398	397	394	392	392	390
Stone, clay, and glass products .....	620	617	620	617	618	616	613	613	616	613	609	610	607
Primary metal industries .....	1,266	1,254	1,258	1,242	1,246	1,222	1,199	1,196	1,190	1,189	1,183	1,178	1,170
Fabricated metal products .....	1,209	1,178	1,223	1,208	1,196	1,192	1,185	1,190	1,187	1,183	1,174	1,173	1,166
Machinery .....	1,646	1,645	1,643	1,625	1,620	1,608	1,597	1,589	1,584	1,565	1,572	1,568	1,557
Electrical equipment .....	1,569	1,559	1,558	1,546	1,550	1,537	1,533	1,536	1,535	1,535	1,540	1,540	1,537
Transportation equipment .....	1,624	1,417	1,667	1,632	1,632	1,628	1,633	1,646	1,641	1,626	1,626	1,623	1,616
Instruments and related products .....	369	369	369	369	371	369	367	368	368	368	367	367	366
Miscellaneous manufacturing .....	411	406	402	399	398	399	394	395	394	394	391	391	390
NONDURABLE GOODS .....	7,510	7,473	7,463	7,453	7,454	7,459	7,445	7,426	7,424	7,431	7,406	7,398	7,389
Food and kindred products .....	1,734	1,719	1,716	1,726	1,719	1,720	1,731	1,730	1,738	1,746	1,743	1,742	1,743
Tobacco manufactures .....	92	88	82	83	89	89	89	88	88	88	87	90	92
Textile mill products .....	906	899	899	895	894	895	895	895	897	896	891	890	889
Apparel and related products .....	1,326	1,322	1,317	1,311	1,309	1,323	1,305	1,298	1,290	1,296	1,291	1,286	1,281
Paper and allied products .....	635	634	632	631	632	631	630	629	627	627	625	624	623
Printing and publishing .....	956	955	956	954	955	953	952	948	946	944	943	942	937
Chemicals and allied products .....	880	879	881	879	879	880	874	871	874	872	871	869	869
Petroleum and related products .....	186	187	185	185	187	187	187	187	188	189	189	190	190
Rubber and plastic products .....	437	433	439	435	433	427	429	427	426	424	419	417	417
Leather and leather products .....	358	357	356	354	357	354	353	353	350	349	347	348	348
TRANSPORTATION AND PUBLIC UTILITIES .....	3,999	3,995	4,005	3,999	3,983	3,965	3,968	3,964	3,940	3,943	3,936	3,931	3,932
WHOLESALE AND RETAIL TRADE .....	12,290	12,277	12,229	12,231	12,223	12,187	12,135	12,096	12,077	12,083	12,021	11,950	11,910
WHOLESALE TRADE .....	3,236	3,233	3,226	3,224	3,232	3,227	3,212	3,206	3,198	3,191	3,188	3,172	3,158
RETAIL TRADE .....	9,054	9,044	9,003	9,007	8,991	8,960	8,923	8,890	8,879	8,892	8,833	8,778	8,752
FINANCE, INSURANCE, AND REAL ESTATE .....	2,969	2,965	2,960	2,951	2,948	2,943	2,934	2,931	2,924	2,917	2,911	2,904	2,896
SERVICE AND MISCELLANEOUS .....	8,639	8,635	8,592	8,573	8,561	8,509	8,489	8,461	8,455	8,437	8,401	8,366	8,352
GOVERNMENT .....	9,630	9,596	9,509	9,471	9,451	9,470	9,456	9,437	9,395	9,368	9,361	9,337	9,302
FEDERAL .....	2,338	2,331	2,320	2,328	2,322	2,323	2,339	2,341	2,337	2,337	2,342	2,346	2,345
STATE AND LOCAL .....	7,292	7,265	7,189	7,143	7,129	7,147	7,117	7,096	7,058	7,031	7,019	6,991	6,957

NOTE: Data for the 2 most recent months are preliminary.

Table B-6: Production workers on manufacturing payrolls, by industry, seasonally adjusted

(In thousands)													
Major industry group	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
<b>MANUFACTURING</b> . . . . .	12,963	12,663	12,956	12,847	12,839	12,794	12,736	12,732	12,731	12,692	12,659	12,647	12,592
<b>DURABLE GOODS</b> . . . . .	7,345	7,082	7,377	7,279	7,271	7,219	7,174	7,188	7,181	7,139	7,124	7,115	7,071
Ordnance and accessories . . . . .	102	102	103	104	105	107	109	110	111	112	115	115	115
Lumber and wood products . . . . .	533	528	530	531	536	528	532	536	539	539	535	537	534
Furniture and fixtures . . . . .	339	339	338	335	338	336	331	331	330	329	326	327	325
Stone, clay, and glass products . . . . .	500	498	500	498	497	496	493	493	498	493	490	492	490
Primary metal industries . . . . .	1,036	1,023	1,026	1,012	1,017	995	972	967	966	965	958	954	944
Fabricated metal products . . . . .	930	900	945	932	918	916	910	916	914	911	903	901	895
Machinery . . . . .	1,148	1,149	1,149	1,129	1,125	1,118	1,109	1,103	1,099	1,082	1,091	1,088	1,078
Electrical equipment . . . . .	1,058	1,053	1,049	1,040	1,041	1,029	1,024	1,027	1,025	1,023	1,026	1,026	1,023
Transportation equipment . . . . .	1,136	933	1,180	1,145	1,141	1,141	1,146	1,156	1,150	1,136	1,134	1,128	1,121
Instruments and related products . . . . .	233	233	234	234	236	233	232	233	233	233	232	233	232
Miscellaneous manufacturing . . . . .	330	324	323	319	317	320	316	316	316	316	314	314	314
<b>NONDURABLE GOODS</b> . . . . .	5,618	5,581	5,579	5,568	5,568	5,575	5,562	5,544	5,550	5,553	5,535	5,532	5,521
Food and kindred products . . . . .	1,152	1,134	1,133	1,142	1,134	1,134	1,144	1,143	1,150	1,157	1,157	1,158	1,158
Tobacco manufactures . . . . .	80	77	71	72	78	78	77	76	77	76	75	78	81
Textile mill products . . . . .	810	803	803	799	798	800	800	800	803	803	799	797	796
Apparel and related products . . . . .	1,178	1,177	1,173	1,165	1,164	1,176	1,160	1,152	1,145	1,150	1,146	1,140	1,133
Paper and allied products . . . . .	496	495	494	493	494	494	493	492	491	491	489	489	488
Printing and publishing . . . . .	605	604	606	604	604	604	604	601	600	598	597	598	592
Chemicals and allied products . . . . .	528	527	530	530	531	531	527	525	529	527	526	526	526
Petroleum and related products . . . . .	115	116	116	115	117	117	116	116	118	118	118	119	120
Rubber and plastic products . . . . .	338	335	340	337	334	329	330	329	329	326	322	321	320
Leather and leather products . . . . .	316	313	313	311	314	312	311	310	308	307	306	306	307

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA

## STATE EMPLOYMENT

Table B-7: Employees on nonagricultural payrolls, by industry division and State

State	TOTAL			Mining			Contract construction		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
Alabama . . . . .	(1)	831.1	814.7	(1)	8.7	8.7	(1)	46.8	45.7
Alaska . . . . .	67.4	71.6	64.1	1.3	1.4	1.3	8.2	9.5	5.9
Arizona . . . . .	392.5	388.4	381.0	15.2	15.1	15.2	28.6	28.5	28.9
Arkansas . . . . .	435.6	438.1	430.0	4.7	5.0	5.0	28.7	30.1	29.5
California <sup>2</sup> . . . . .	5,676.5	5,705.9	5,520.6	29.9	30.4	29.4	346.9	349.8	337.5
Colorado <sup>2</sup> . . . . .	582.4	583.2	578.7	12.0	12.1	12.0	40.7	41.4	41.3
Connecticut . . . . .	987.6	989.6	976.3	(3)	(3)	(3)	47.7	48.5	50.4
Delaware . . . . .	168.7	173.4	167.6	(4)	(4)	(4)	14.1	14.5	14.4
District of Columbia . . . . .	597.8	598.0	588.5	(4)	(4)	(4)	24.1	24.7	25.4
Florida . . . . .	1,509.6	1,488.4	1,447.3	9.0	9.1	8.7	128.2	127.6	120.0
Georgia . . . . .	1,190.2	1,196.3	1,165.9	6.0	6.0	5.8	70.2	70.8	65.8
Hawaii . . . . .	205.2	206.4	197.3	(4)	(4)	(4)	16.5	16.6	15.2
Idaho . . . . .	171.8	174.4	170.3	3.3	3.4	3.3	9.7	10.2	9.6
Illinois . . . . .	3,708.8	3,714.2	3,641.7	26.9	27.0	26.9	164.2	165.1	167.2
Indiana <sup>2</sup> . . . . .	1,555.7	1,570.6	1,525.6	8.9	9.2	9.2	75.2	76.6	67.7
Iowa . . . . .	718.8	722.9	711.3	3.5	3.6	3.6	39.2	39.9	38.2
Kansas . . . . .	584.6	588.4	579.5	14.9	14.9	14.9	33.1	32.5	34.0
Kentucky . . . . .	742.7	734.4	719.8	29.1	29.3	30.5	47.2	46.4	46.7
Louisiana . . . . .	845.3	841.3	820.4	46.9	46.8	43.8	62.3	61.5	55.9
Maine . . . . .	283.2	285.0	280.3	(4)	(4)	(4)	14.6	14.6	14.1
Maryland . . . . .	1,026.2	1,032.4	1,000.5	2.5	2.5	2.5	78.6	79.2	76.1
Massachusetts . . . . .	1,984.0	1,988.1	1,971.3	(4)	(4)	(4)	100.3	100.6	93.2
Michigan . . . . .	2,396.2	2,532.1	2,453.4	12.4	12.5	13.4	111.5	113.5	107.2
Minnesota . . . . .	1,051.9	1,053.8	1,025.7	13.8	14.0	13.6	68.4	68.6	64.6
Mississippi . . . . .	463.4	463.6	451.4	6.2	6.2	6.5	28.3	28.5	26.2
Missouri . . . . .	1,425.0	1,432.6	1,410.4	7.9	7.7	7.5	80.0	81.0	73.9
Montana <sup>2</sup> . . . . .	179.0	180.9	179.7	7.7	7.7	7.1	11.8	12.5	14.5
Nebraska . . . . .	410.2	409.7	406.1	2.2	2.3	2.3	25.8	26.5	27.7
Nevada . . . . .	154.5	156.9	146.8	3.1	3.1	3.0	15.2	15.5	15.7
New Hampshire . . . . .	212.1	215.9	206.0	.3	.3	.3	11.2	11.4	11.2
New Jersey . . . . .	2,136.6	2,145.4	2,128.7	3.6	3.4	3.7	105.2	104.6	104.1
New Mexico <sup>2</sup> . . . . .	261.8	262.6	254.0	17.5	17.7	17.4	20.3	20.8	20.0
New York . . . . .	6,418.3	6,423.8	6,371.2	9.3	9.5	9.0	277.1	280.6	291.7
North Carolina <sup>2</sup> . . . . .	1,376.0	1,371.4	1,332.4	2.6	2.6	2.6	76.7	78.3	74.0
North Dakota . . . . .	138.5	139.4	137.3	2.0	1.9	1.8	13.9	14.9	13.8
Ohio . . . . .	3,230.0	3,270.3	3,207.7	18.9	18.9	19.3	158.0	160.9	159.1
Oklahoma . . . . .	628.4	626.0	620.1	42.5	43.0	41.1	39.1	39.5	38.2
Oregon <sup>2</sup> . . . . .	587.8	593.5	568.9	1.8	1.9	1.6	36.5	35.9	32.5
Pennsylvania . . . . .	3,792.4	3,796.4	3,738.0	46.6	46.9	47.5	162.6	164.4	167.4
Rhode Island . . . . .	301.1	302.5	301.5	(4)	(4)	(4)	13.7	14.1	13.7
South Carolina . . . . .	651.7	650.3	633.5	1.5	1.6	1.6	38.1	38.1	35.1
South Dakota . . . . .	154.6	152.5	154.1	2.5	2.5	2.6	10.4	10.6	11.2
Tennessee . . . . .	1,062.0	1,057.6	1,022.1	6.9	7.0	6.8	63.2	62.9	58.7
Texas . . . . .	2,783.5	2,777.5	2,714.7	112.8	113.9	111.2	184.7	183.6	179.8
Utah . . . . .	302.9	299.6	303.3	12.0	7.7	12.0	19.7	20.1	20.3
Vermont <sup>2</sup> . . . . .	112.4	114.5	111.0	1.3	1.2	1.2	6.4	6.4	6.4
Virginia <sup>2</sup> . . . . .	1,183.0	1,178.4	1,149.3	15.6	15.6	15.8	91.7	93.2	86.5
Washington <sup>2</sup> . . . . .	871.6	879.1	866.4	1.8	1.9	1.9	43.9	43.5	44.6
West Virginia <sup>2</sup> . . . . .	467.1	466.4	461.2	48.8	48.6	48.6	23.8	23.9	21.8
Wisconsin . . . . .	1,279.3	1,291.0	1,249.7	2.9	2.9	2.8	60.6	61.0	57.7
Wyoming . . . . .	102.5	106.4	99.8	8.9	8.9	9.3	11.9	12.2	12.1

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE EMPLOYMENT

24

Table B-7: Employees on nonagricultural payrolls, by industry division and State--Continued

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
Alabama.....	(1)	253.1	246.5	(1)	48.6	48.3	(1)	158.9	155.9
Alaska.....	5.2	6.1	5.2	7.1	7.6	6.9	8.8	9.2	8.9
Arizona.....	59.7	59.0	57.6	24.8	25.1	24.8	92.9	92.2	91.0
Arkansas.....	125.2	125.5	122.8	30.5	29.8	30.1	91.4	92.4	90.3
California <sup>2</sup> .....	1,411.4	1,448.1	1,428.1	379.4	380.4	366.8	1,230.9	1,238.9	1,187.1
Colorado <sup>2</sup> .....	91.3	89.8	98.3	45.0	45.3	44.7	137.7	137.8	133.9
Connecticut.....	420.3	421.2	421.7	46.1	46.4	45.6	177.8	177.4	172.0
Delaware.....	60.0	63.6	61.0	10.7	11.0	10.7	32.4	32.3	31.5
District of Columbia.....	20.4	20.2	20.0	30.0	30.1	29.5	88.9	88.1	86.6
Florida.....	234.4	231.4	232.9	106.5	106.8	103.4	410.7	397.7	388.8
Georgia.....	371.4	380.0	369.4	79.8	79.3	76.9	239.9	239.8	235.3
Hawaii.....	21.4	23.2	21.4	15.5	15.6	15.4	48.1	47.8	46.2
Idaho.....	35.9	35.5	35.4	14.4	14.5	14.3	41.3	41.8	41.4
Illinois.....	1,245.6	1,265.8	1,214.8	276.0	276.0	275.4	778.4	774.4	770.0
Indiana <sup>2</sup> .....	628.8	646.5	625.4	89.0	89.6	89.6	301.0	299.4	299.5
Iowa.....	180.2	184.4	181.6	48.9	49.9	49.6	178.8	178.3	175.7
Kansas.....	116.3	120.4	116.9	50.8	51.4	52.2	135.3	136.0	132.7
Kentucky.....	195.3	195.2	186.9	54.5	54.7	54.1	153.1	148.0	147.6
Louisiana.....	153.8	152.4	148.7	80.9	80.8	79.8	188.0	188.3	184.4
Maine.....	104.7	104.8	103.1	16.6	16.9	16.9	53.8	54.5	53.4
Maryland.....	257.5	265.3	263.0	74.3	74.2	72.5	222.8	222.0	212.9
Massachusetts.....	650.2	651.8	661.5	102.9	103.7	103.7	401.4	404.0	399.7
Michigan.....	908.5	1,047.0	999.8	131.4	134.2	130.2	470.8	465.9	453.7
Minnesota.....	252.6	258.5	245.5	81.0	81.7	79.6	252.6	250.9	246.7
Mississippi.....	142.2	142.7	136.0	26.9	26.4	27.4	88.8	88.9	88.0
Missouri.....	396.1	408.4	399.5	117.4	116.5	117.1	315.9	314.2	316.1
Montana <sup>2</sup> .....	23.8	23.0	23.0	17.9	18.1	17.8	41.1	42.6	41.7
Nebraska.....	69.3	68.1	68.7	36.9	37.1	36.9	100.2	99.9	97.9
Nevada.....	7.0	7.0	7.0	11.5	11.6	11.1	28.3	28.9	27.0
New Hampshire.....	86.1	86.7	84.7	9.6	9.6	9.6	38.0	38.2	37.5
New Jersey.....	783.5	798.1	806.5	152.4	151.0	152.1	421.1	419.1	409.1
New Mexico <sup>2</sup> .....	17.7	17.9	17.5	20.2	20.2	20.0	54.1	55.1	52.3
New York.....	1,842.0	1,853.2	1,846.1	474.3	477.1	470.1	1,296.1	1,266.7	1,288.6
North Carolina <sup>2</sup> .....	582.5	578.5	561.2	71.7	71.7	68.9	248.0	245.8	241.5
North Dakota.....	7.3	7.4	9.0	12.1	12.3	12.1	37.7	37.9	36.6
Ohio.....	1,239.4	1,281.2	1,241.1	201.8	202.6	199.3	627.9	628.9	621.9
Oklahoma.....	96.7	96.5	93.5	45.7	46.0	46.0	144.9	143.9	143.3
Oregon <sup>2</sup> .....	158.0	162.3	153.5	43.9	44.7	44.5	127.0	128.7	124.8
Pennsylvania.....	1,450.6	1,457.6	1,403.5	258.8	260.9	262.1	691.1	686.3	685.0
Rhode Island.....	116.4	117.0	117.6	14.9	14.8	14.7	56.0	56.0	56.2
South Carolina.....	282.8	282.9	272.9	27.4	27.6	26.6	109.4	109.2	107.4
South Dakota.....	13.3	13.1	14.6	10.0	10.0	10.2	41.1	40.9	40.7
Tennessee.....	363.0	363.1	353.0	58.6	57.9	57.1	208.6	207.5	202.8
Texas.....	530.4	533.0	520.6	216.3	216.2	216.9	686.5	687.6	674.6
Utah.....	52.4	53.1	56.7	21.9	22.0	21.9	67.3	67.9	66.7
Vermont <sup>2</sup> .....	34.6	35.4	34.5	7.0	7.0	7.0	21.9	21.8	21.6
Virginia <sup>2</sup> .....	318.6	315.5	306.9	83.9	84.0	83.8	242.9	240.5	235.6
Washington <sup>2</sup> .....	223.9	229.5	228.4	60.2	61.7	60.3	193.7	195.3	192.6
West Virginia <sup>2</sup> .....	127.8	127.0	126.9	41.1	41.2	41.1	80.0	80.2	80.5
Wisconsin.....	470.5	484.9	460.8	73.6	73.1	73.0	261.6	258.9	256.6
Wyoming.....	8.6	7.8	8.2	10.3	10.7	10.6	20.7	21.6	20.8

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA

## STATE EMPLOYMENT

Table B-7: Employees on nonagricultural payrolls, by industry division and State--Continued

State	(In thousands)								
	Finance, insurance, and real estate			Service and miscellaneous			Government		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
Alabama . . . . .	(1)	34.1	33.8	(1)	103.8	103.3	(1)	177.1	172.5
Alaska . . . . .	2.0	2.0	2.0	6.8	7.1	6.4	28.0	28.7	27.5
Arizona . . . . .	21.3	21.2	20.3	63.2	61.6	60.2	86.8	85.7	83.0
Arkansas . . . . .	17.0	17.0	15.9	55.8	56.3	54.9	82.3	82.0	81.5
California 2 . . . . .	310.5	310.1	295.7	901.1	897.2	855.7	1,066.4	1,051.0	1,020.3
Colorado 2 . . . . .	30.4	30.7	29.7	92.7	94.2	89.6	132.6	131.9	129.2
Connecticut . . . . .	58.4	58.6	57.2	130.7	131.1	126.1	106.6	106.5	103.3
Delaware . . . . .	6.7	6.8	6.5	21.9	22.8	21.2	22.9	22.4	22.3
District of Columbia 5 . . . . .	30.5	30.7	29.7	106.7	106.9	105.5	297.2	297.3	291.8
Florida . . . . .	90.8	90.6	90.1	252.8	252.1	237.4	277.2	273.1	266.0
Georgia . . . . .	57.7	57.9	57.0	138.7	138.2	135.4	226.5	224.3	220.3
Hawaii . . . . .	12.4	12.3	11.4	37.1	37.1	34.7	54.2	53.8	53.0
Idaho . . . . .	6.9	6.9	6.5	21.6	22.2	21.2	38.7	39.9	38.6
Illinois . . . . .	196.5	197.4	195.2	541.6	538.7	528.6	479.6	469.7	463.7
Indiana 2 . . . . .	63.3	63.2	62.7	162.5	163.2	158.6	227.1	222.8	212.9
Iowa . . . . .	34.8	35.1	34.1	105.1	105.1	102.2	128.3	126.7	126.3
Kansas . . . . .	25.3	25.3	24.9	81.7	81.4	79.1	127.2	126.5	124.8
Kentucky . . . . .	28.1	28.3	27.6	100.4	101.1	98.1	134.9	131.5	128.4
Louisiana . . . . .	37.9	37.9	37.5	113.5	113.4	112.2	162.0	160.2	158.1
Maine . . . . .	10.0	10.0	9.7	31.8	32.9	31.5	51.7	51.3	51.6
Maryland 5 . . . . .	53.3	53.6	50.7	158.0	159.8	151.0	179.2	175.8	171.8
Massachusetts . . . . .	105.4	105.8	104.8	354.6	357.4	342.7	269.2	264.8	265.7
Michigan . . . . .	93.1	93.1	88.3	315.5	316.0	302.4	353.1	349.9	358.4
Minnesota . . . . .	51.0	51.6	50.9	154.9	155.3	153.3	177.5	173.3	171.5
Mississippi . . . . .	16.0	16.0	15.8	52.9	52.9	52.0	102.1	101.9	99.5
Missouri . . . . .	77.4	77.5	76.3	209.3	209.3	203.9	221.0	218.0	216.1
Montana 2 . . . . .	7.0	7.0	6.8	24.3	25.1	24.1	45.4	44.9	44.7
Nebraska . . . . .	24.6	24.7	24.6	63.1	63.1	61.5	88.2	87.9	86.7
Nevada . . . . .	6.2	6.2	5.9	56.0	57.3	52.1	27.2	27.3	25.0
New Hampshire . . . . .	8.2	8.2	7.9	32.5	35.3	30.1	26.3	26.3	24.8
New Jersey . . . . .	97.0	97.7	95.5	304.4	306.7	295.8	269.4	264.8	261.9
New Mexico 2 . . . . .	11.5	11.5	11.5	46.3	46.2	43.2	74.2	73.2	72.1
New York . . . . .	501.1	501.8	499.7	1,094.3	1,101.5	1,059.4	924.0	913.3	906.6
North Carolina 2 . . . . .	52.3	52.2	50.5	149.1	149.5	143.1	193.1	192.8	190.6
North Dakota . . . . .	6.5	6.5	6.3	24.0	23.8	23.2	35.1	34.8	34.5
Ohio . . . . .	129.3	130.3	128.1	405.6	408.1	398.4	449.1	439.5	440.5
Oklahoma . . . . .	29.1	29.0	29.1	82.2	82.9	83.7	148.2	145.2	145.2
Oregon 2 . . . . .	25.8	26.0	24.6	80.1	81.9	76.1	114.7	112.1	111.3
Pennsylvania . . . . .	159.4	160.8	158.4	536.2	539.3	534.3	487.1	480.2	479.8
Rhode Island . . . . .	13.4	13.4	13.5	43.7	44.2	43.0	43.0	43.0	42.8
South Carolina . . . . .	23.5	23.5	23.3	62.7	62.6	62.4	106.3	104.8	104.2
South Dakota . . . . .	7.0	7.1	6.6	25.1	24.8	24.1	45.3	43.7	44.2
Tennessee . . . . .	45.7	45.7	44.2	143.2	143.2	138.3	172.8	170.3	161.2
Texas . . . . .	148.7	148.8	142.5	397.4	399.0	382.3	506.7	495.4	486.8
Utah . . . . .	12.7	12.9	12.7	41.6	41.1	40.0	75.3	74.8	73.0
Vermont 2 . . . . .	4.3	4.3	4.3	19.5	20.8	18.9	17.6	17.7	17.2
Virginia 2 5 . . . . .	51.8	52.0	49.8	155.2	155.3	152.0	223.3	222.3	218.9
Washington 2 . . . . .	43.2	43.6	42.7	116.9	119.4	113.5	188.0	184.2	182.4
West Virginia 2 . . . . .	13.8	13.7	13.7	55.3	55.5	54.2	76.6	76.3	74.4
Wisconsin . . . . .	50.5	50.6	49.4	167.5	167.0	163.6	192.1	192.7	185.8
Wyoming . . . . .	3.4	3.4	3.2	13.6	15.8	10.9	25.1	26.0	24.7

1 Not available.

2 Revised series; not strictly comparable with previously published data.

3 Combined with construction.

4 Combined with service.

5 Federal employment in the Maryland and Virginia sectors of the District of Columbia metropolitan area is included in data for District of Columbia.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA AREA EMPLOYMENT

26

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
	ALABAMA						ARIZONA					
	Birmingham			Mobile			Phoenix			Tucson		
TOTAL.....	204.1	203.6	200.5	96.9	96.6	95.3	225.9	222.6	216.5	76.1	75.3	77.2
Mining.....	4.5	4.4	4.2	(1)	(1)	(1)	.2	.2	.2	3.2	3.2	3.2
Contract construction..	10.8	11.1	10.8	5.4	5.4	5.7	17.0	16.8	17.0	6.0	6.0	6.1
Manufacturing.....	61.0	60.8	60.2	17.6	17.6	17.6	44.5	43.9	41.3	6.6	6.5	8.3
Trans. and pub. util...	16.2	16.3	16.3	11.5	11.3	10.3	13.9	13.7	13.7	5.4	5.4	5.2
Trade.....	47.6	47.5	46.6	21.3	21.2	20.7	57.4	56.7	56.3	17.2	17.2	17.3
Finance.....	14.5	14.4	14.2	4.0	4.0	4.0	14.9	15.0	14.4	4.0	4.0	3.8
Service.....	25.7	25.7	25.5	12.2	12.2	11.9	36.9	35.7	34.9	13.7	13.4	13.7
Government.....	23.8	23.4	22.7	24.9	24.9	25.1	41.1	40.6	38.7	20.0	19.6	19.6
	ARKANSAS											
	Fayetteville <sup>2</sup>			Fort Smith			Little Rock - N. Little Rock <sup>2</sup>			Pine Bluff <sup>2</sup>		
TOTAL.....	18.0	18.1	17.5	30.2	30.3	29.9	94.8	94.4	93.3	20.7	20.6	20.0
Mining.....	(1)	(1)	(1)	.3	.3	.3	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.0	.9	1.1	2.0	2.0	1.9	7.4	7.3	8.1	1.1	1.2	1.3
Manufacturing.....	5.3	5.5	4.8	11.6	11.5	11.2	18.6	18.5	18.0	5.5	5.5	5.2
Trans. and pub. util...	1.5	1.5	1.4	1.9	1.9	1.9	8.2	8.2	8.1	2.7	2.7	2.6
Trade.....	4.0	4.0	4.0	6.4	6.5	6.7	21.1	21.1	20.7	3.9	3.9	3.9
Finance.....	.4	.4	.4	1.0	1.0	.9	7.3	7.4	7.0	.8	.8	.7
Service.....	2.1	2.2	2.0	4.0	4.0	3.9	14.2	14.1	13.8	2.7	2.6	2.4
Government.....	3.6	3.6	3.7	3.0	3.1	3.1	17.9	17.9	17.5	4.0	4.0	3.9
	CALIFORNIA <sup>3</sup>											
	Bakersfield			Fresno			Los Angeles - Long Beach			Sacramento		
TOTAL.....	77.7	77.3	76.7	101.4	101.9	98.0	2,432.6	2,439.1	2,375.7	191.1	194.3	189.0
Mining.....	6.7	6.8	6.6	1.0	1.0	1.0	10.0	10.1	9.9	.2	.2	.2
Contract construction..	3.9	3.9	3.6	5.5	5.6	5.3	131.8	132.8	123.8	13.7	13.8	12.8
Manufacturing.....	8.0	7.9	7.9	18.2	18.9	17.4	744.4	751.9	757.8	31.0	34.6	34.3
Trans. and pub. util...	5.9	5.9	5.9	8.3	8.2	8.0	145.9	146.0	140.8	13.3	13.5	13.2
Trade.....	17.2	17.6	17.3	27.3	27.6	27.0	536.0	540.2	515.8	37.6	37.6	37.2
Finance.....	3.0	3.0	2.9	4.6	4.6	4.4	142.1	141.9	134.5	8.4	8.4	7.9
Service.....	11.8	10.7	11.5	16.0	15.5	15.1	401.9	400.3	385.6	21.1	21.3	19.9
Government.....	21.2	21.5	21.0	20.5	20.5	19.8	320.5	315.9	307.5	65.8	64.9	63.5
	CALIFORNIA - Continued											
	San Bernardino - Riverside - Ontario			San Diego			San Francisco - Oakland			San Jose		
TOTAL.....	232.3	230.3	220.4	262.3	264.4	262.9	1,108.3	1,115.4	1,082.4	267.3	273.2	257.5
Mining.....	1.5	1.5	1.3	.4	.4	.4	1.9	1.9	1.8	.1	.2	.1
Contract construction..	17.8	17.9	17.3	15.8	15.1	15.1	70.8	70.5	68.3	20.2	20.4	19.0
Manufacturing.....	39.9	39.7	38.4	49.9	50.6	56.6	201.2	210.4	205.1	87.9	95.8	90.6
Trans. and pub. util...	16.7	16.7	16.0	14.6	14.9	14.2	111.3	112.2	107.4	11.2	11.4	10.5
Trade.....	49.4	49.6	46.5	58.0	58.1	55.9	243.0	243.3	237.1	47.5	47.2	43.0
Finance.....	9.1	9.1	8.4	12.6	12.5	11.9	84.1	84.0	80.0	10.3	10.3	9.4
Service.....	36.9	35.7	34.3	46.3	47.8	44.5	165.2	164.9	158.7	48.5	47.4	46.2
Government.....	61.0	60.1	58.2	64.7	64.0	64.3	230.8	228.2	224.0	41.6	40.5	38.7
	CALIFORNIA - Continued											
	Stockton			Denver			Bridgeport			Hartford		
TOTAL.....	73.8	75.1	71.1	(4)	367.8	368.1	132.2	131.4	132.0	261.0	260.1	256.5
Mining.....	.1	.1	.1	(4)	2.9	3.3	(5)	(5)	(5)	(5)	(5)	(5)
Contract construction..	4.0	4.1	3.8	(4)	23.5	23.9	5.8	5.9	5.2	13.2	13.5	12.9
Manufacturing.....	16.5	18.5	15.8	(4)	65.1	70.5	68.7	68.5	70.3	92.9	92.9	93.0
Trans. and pub. util...	6.0	6.1	5.9	(4)	31.3	30.7	5.9	5.9	5.7	9.8	9.8	9.7
Trade.....	17.3	16.8	16.8	(4)	92.5	89.6	23.3	22.7	22.7	50.2	49.1	48.2
Finance.....	2.5	2.5	2.4	(4)	21.8	21.7	4.0	4.0	3.7	34.3	34.4	33.8
Service.....	10.1	10.3	9.5	(4)	62.3	61.2	14.1	14.3	14.4	33.7	33.5	32.9
Government.....	17.3	16.7	16.8	(4)	68.4	67.2	10.4	10.2	10.1	26.9	26.9	26.1

See footnotes at end of table. NOTE: Data for the current month are preliminary.



# ESTABLISHMENT DATA AREA EMPLOYMENT

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
<b>CONNECTICUT - Continued</b>												
	New Britain			New Haven			Stamford			Waterbury		
TOTAL.....	41.6	41.3	41.3	133.1	132.4	130.5	63.4	63.4	64.1	68.2	68.2	68.0
Mining.....	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Contract construction..	1.6	1.6	1.5	8.7	9.0	8.1	3.7	3.6	3.6	2.2	2.2	1.9
Manufacturing.....	24.0	23.7	23.9	42.2	41.8	42.5	22.0	21.8	24.2	37.0	37.0	37.6
Trans. and pub. util...	1.8	1.9	1.9	12.6	12.6	12.8	2.8	2.9	2.8	2.9	2.9	2.8
Trade.....	6.2	6.1	6.1	26.1	26.0	25.0	13.9	13.7	13.1	10.2	10.2	10.0
Finance.....	.9	.9	.9	7.4	7.4	7.2	2.7	2.7	2.7	1.8	1.8	1.7
Service.....	4.0	4.0	4.0	23.6	23.3	22.7	12.0	12.3	11.7	8.0	8.0	7.7
Government.....	3.2	3.1	3.0	12.5	12.4	12.2	6.3	6.3	6.1	6.3	6.2	6.2
<b>DELAWARE</b>												
	Wilmington			Washington			Jacksonville			Miami		
TOTAL.....	153.7	158.5	152.5	867.2	867.0	850.0	153.0	152.0	149.2	331.8	330.0	325.5
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	11.0	11.3	11.6	62.0	63.5	65.8	10.1	10.1	9.9	20.9	21.1	21.2
Manufacturing.....	60.9	64.9	61.2	37.8	37.6	37.0	21.6	21.3	20.7	47.4	46.5	45.9
Trans. and pub. util...	9.1	9.4	9.3	48.1	48.5	46.7	15.9	15.9	15.5	35.1	35.4	33.7
Trade.....	27.2	27.1	26.4	170.8	168.9	161.5	43.1	42.5	42.2	93.1	92.1	91.4
Finance.....	6.0	6.1	5.8	50.0	50.5	48.6	14.4	14.4	14.4	23.2	23.3	23.1
Service.....	19.8	20.5	18.9	168.1	167.8	165.9	21.8	21.9	21.3	67.7	67.2	66.3
Government.....	19.7*	19.2	19.3	330.4	330.2	324.5	26.1	25.9	25.2	44.4	44.4	43.9
<b>FLORIDA - Continued</b>												
	Tampa - St. Petersburg			Atlanta			Savannah			Honolulu		
TOTAL.....	219.8	218.3	211.6	446.1	451.2	432.2	56.0	56.5	55.2	173.1	174.4	166.2
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	18.7	19.0	18.3	33.8	34.3	28.9	3.6	3.7	3.4	13.7	13.8	12.9
Manufacturing.....	40.3	40.1	38.2	97.0	102.5	99.6	14.2	14.6	14.8	14.6	16.2	14.3
Trans. and pub. util...	16.1	16.2	15.9	40.0	39.8	38.4	6.0	6.0	5.9	13.2	13.4	12.9
Trade.....	62.6	61.5	61.2	115.4	115.4	110.9	12.8	12.8	11.9	41.0	40.7	39.6
Finance.....	13.1	13.1	12.8	32.9	33.0	31.9	2.7	2.7	3.0	11.5	11.5	10.5
Service.....	35.5	34.9	33.8	62.5	62.1	60.2	7.7	7.9	7.3	32.1	32.1	29.8
Government.....	33.5	33.5	31.4	64.5	64.1	62.3	9.0	8.8	8.9	47.0	46.7	46.2
<b>IDAHO</b>												
	Boise			Chicago			Davenport - Rock Island - Moline			Peoria		
TOTAL.....	30.6	30.9	29.6	2,559.2	2,561.5	2,529.5	(4)	118.3	112.0	(4)	112.3	105.7
Mining.....	(1)	(1)	(1)	6.9	7.1	6.5	(4)	(5)	(5)	(4)	(5)	(5)
Contract construction..	2.2	2.2	2.2	104.5	105.2	107.1	(4)	5.7	5.9	(4)	7.1	5.9
Manufacturing.....	3.0	3.1	2.7	869.0	879.7	857.4	(4)	45.3	41.6	(4)	44.1	41.0
Trans. and pub. util...	2.9	2.9	2.8	197.0	197.1	195.7	(4)	6.2	6.4	(4)	6.3	6.4
Trade.....	8.5	8.6	8.5	548.8	543.2	546.0	(4)	24.7	23.3	(4)	24.7	23.2
Finance.....	2.2	2.2	2.1	155.3	156.0	155.3	(4)	4.5	4.4	(4)	4.2	4.0
Service.....	4.5	4.5	4.2	408.2	405.7	398.5	(4)	13.9	13.2	(4)	14.2	13.8
Government.....	7.3	7.4	7.1	269.5	267.3	263.0	(4)	17.9	17.3	(4)	11.8	11.3
<b>ILLINOIS - Continued</b>												
	Rockford			Evansville			Fort Wayne			Indianapolis		
TOTAL.....	(4)	87.1	83.0	68.6	68.1	67.2	92.6	92.6	90.4	309.8	313.0	308.1
Mining.....	(4)	(5)	(5)	1.7	1.7	1.6	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	(4)	4.5	4.2	3.1	3.1	3.3	4.5	4.6	4.7	14.0	14.6	15.3
Manufacturing.....	(4)	45.9	43.3	26.5	26.3	25.1	37.7	37.6	36.3	103.5	106.9	103.7
Trans. and pub. util...	(4)	3.1	3.0	4.5	4.5	4.5	6.7	6.8	6.6	21.9	22.1	21.7
Trade.....	(4)	15.7	15.3	15.2	15.1	15.2	20.1	20.0	20.1	68.1	67.2	67.4
Finance.....	(4)	2.7	2.7	2.5	2.5	2.6	4.9	4.9	4.9	21.5	21.6	21.3
Service.....	(4)	9.5	9.2	9.0	8.9	8.9	10.7	10.7	10.5	34.8	34.7	33.8
Government.....	(4)	5.6	5.3	6.1	6.0	6.0	8.0	8.0	7.3	46.0	45.9	44.9

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA AREA EMPLOYMENT

28

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
	INDIANA - Continued			IOWA			KANSAS					
	South Bend			Des Moines 2			Topeka			Wichita		
TOTAL.....	77.2	77.5	84.5	104.2	105.2	104.8	51.6	51.9	50.5	130.9	130.6	127.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.1	.1	.1	3.0	3.0	2.8
Contract construction..	3.0	3.3	3.3	5.0	4.9	5.0	3.4	3.5	3.1	5.3	5.3	5.9
Manufacturing.....	29.9	30.0	37.5	21.1	22.3	21.6	6.8	6.9	6.7	46.6	46.5	43.3
Trans. and pub. util...	3.8	3.8	3.8	7.6	8.0	8.1	7.0	7.0	7.0	7.2	7.3	7.1
Trade.....	16.4	16.5	16.4	27.2	26.7	26.9	11.0	10.9	10.3	28.6	28.4	28.7
Finance.....	4.5	4.5	4.3	11.9	12.1	12.1	3.0	3.0	2.9	5.9	6.0	6.0
Service.....	12.8	12.8	12.5	16.5	16.3	16.5	8.0	8.1	7.7	18.2	18.2	18.2
Government.....	6.8	6.6	6.7	15.2	15.1	14.8	12.5	12.6	12.7	16.3	16.0	15.8
	KENTUCKY			LOUISIANA								
	Louisville			Baton Rouge			New Orleans			Shreveport		
TOTAL.....	262.0	261.7	256.1	75.1	74.4	73.8	313.5	312.7	303.0	76.7	76.9	75.6
Mining.....	(1)	(1)	(1)	.2	.3	.3	9.6	9.6	9.3	5.7	5.8	5.6
Contract construction..	14.4	15.1	14.0	7.3	7.2	7.9	20.9	20.9	19.9	6.1	6.1	5.9
Manufacturing.....	93.4	92.7	90.1	15.3	15.4	15.4	55.0	55.1	50.9	9.9	9.9	9.9
Trans. and pub. util...	20.5	20.5	20.6	4.4	4.3	4.3	41.9	41.7	40.1	8.4	8.4	8.6
Trade.....	55.3	55.0	54.6	16.1	15.8	15.5	75.3	75.4	73.9	20.0	19.9	19.4
Finance.....	13.0	13.0	12.9	3.8	3.8	3.8	18.3	18.3	18.4	3.8	3.9	3.9
Service.....	36.8	36.9	36.0	10.1	10.0	9.8	51.6	51.0	49.7	10.5	10.6	10.4
Government.....	28.6	28.4	27.8	18.0	17.6	16.9	40.8	40.8	40.8	12.3	12.3	11.9
	MAINE			MARYLAND			MASSACHUSETTS					
	Lewiston-- Auburn			Portland			Baltimore			Boston		
TOTAL.....	24.6	25.0	25.5	56.8	57.7	55.2	653.0	655.9	647.5	1,118.3	1,117.9	1,112.1
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.9	.9	.9	(1)	(1)	(1)
Contract construction..	1.3	1.3	1.3	3.7	3.7	3.3	42.3	42.3	41.7	60.9	61.0	56.8
Manufacturing.....	11.2	11.5	12.2	13.6	14.1	13.1	184.4	189.1	191.6	275.9	278.4	285.2
Trans. and pub. util...	.9	1.0	.9	5.3	5.4	5.4	55.7	55.7	54.6	65.6	65.9	66.8
Trade.....	5.3	5.3	5.2	15.1	15.2	15.0	136.3	135.5	133.2	246.8	246.4	245.8
Finance.....	.8	.8	.8	4.2	4.2	4.0	35.5	35.7	34.4	76.6	76.5	75.8
Service.....	3.4	3.4	3.4	8.8	9.1	8.6	96.9	97.3	93.8	240.7	239.6	232.4
Government.....	1.7	1.7	1.7	6.1	6.0	5.8	101.0	99.4	97.3	151.8	150.1	149.3
	MASSACHUSETTS - Continued											
	Fall River			New Bedford			Springfield - Chicopee - Holyoke			Worcester		
TOTAL.....	40.9	40.7	42.6	49.3	49.7	50.5	175.9	175.6	171.1	116.3	115.8	114.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	(1)	(1)	(1)	1.6	1.6	1.7	6.6	6.8	5.8	4.8	4.7	4.6
Manufacturing.....	21.4	21.1	23.1	25.6	25.7	26.4	69.7	69.5	66.5	47.5	47.7	47.2
Trans. and pub. util...	1.5	1.5	1.5	2.2	2.2	2.3	7.7	7.8	7.7	4.2	4.2	4.3
Trade.....	7.6	7.7	7.6	8.8	8.9	8.9	34.5	34.5	34.2	21.3	21.0	21.2
Finance.....	(1)	(1)	(1)	(1)	(1)	(1)	8.5	8.6	8.6	5.7	5.7	5.5
Service.....	7.1	7.2	7.1	7.0	7.2	7.1	27.2	27.2	26.8	18.2	18.2	17.7
Government.....	3.3	3.2	3.3	4.1	4.1	4.1	21.7	21.2	21.5	14.6	14.3	14.3
	MICHIGAN											
	Detroit			Flint			Grand Rapids			Lansing		
TOTAL.....	1,232.0	1,284.2	1,235.4	85.4	130.7	127.2	119.3	126.0	124.2	87.5	98.3	96.9
Mining.....	.9	.9	.9	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	54.0	53.5	54.1	4.6	5.0	4.3	6.9	7.2	6.9	4.4	4.4	4.5
Manufacturing.....	490.1	542.4	515.9	31.7	76.1	74.5	47.8	54.7	53.4	21.1	34.5	31.9
Trans. and pub. util...	70.6	71.3	67.6	4.2	4.5	4.5	8.2	8.4	8.3	3.0	3.2	3.2
Trade.....	251.2	247.0	236.5	18.4	18.2	18.5	26.7	26.3	26.4	17.7	17.2	17.0
Finance.....	55.5	55.4	53.8	3.0	3.0	2.8	5.2	5.3	5.0	3.4	3.4	3.4
Service.....	169.0	171.0	166.0	11.8	11.9	11.1	14.8	14.5	14.6	9.8	9.7	9.8
Government.....	140.6	142.7	140.6	11.9	12.0	11.6	9.7	9.8	9.7	28.2	25.9	27.2

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA AREA EMPLOYMENT

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
<b>MICHIGAN - Continued</b>												
	Muskegon - Muskegon Heights			Saginaw			Duluth - Superior			Minneapolis - St. Paul		
<b>TOTAL</b> .....	45.0	45.8	45.5	52.7	60.4	57.8	51.3	51.1	50.9	627.9	624.3	609.7
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.4	1.4	1.4	3.1	3.1	3.0	2.6	2.6	2.8	38.8	38.8	37.8
Manufacturing.....	23.9	24.3	24.1	20.2	28.0	26.1	9.8	9.9	9.3	164.6	165.3	159.9
Trans. and pub. util...	2.3	2.3	2.4	4.7	4.7	4.6	8.3	8.3	8.8	50.6	50.9	49.5
Trade.....	7.0	7.4	7.3	11.5	11.5	11.3	11.6	11.4	11.3	155.2	152.7	150.3
Finance.....	1.2	1.2	1.1	1.6	1.6	1.5	2.0	2.0	1.9	37.2	37.5	37.6
Service.....	4.7	4.7	4.7	6.5	6.5	6.3	9.1	9.1	9.0	97.7	99.0	95.3
Government.....	4.5	4.6	4.5	5.0	5.0	5.0	8.0	7.8	7.7	83.8	80.2	79.3
<b>MISSISSIPPI</b>												
	Jackson			Kansas City <sup>2</sup>			St. Louis			Billings <sup>2</sup>		
<b>TOTAL</b> .....	74.1	73.7	72.5	426.2	433.1	427.1	764.9	769.4	755.8	25.7	25.6	25.2
Mining.....	1.2	1.2	1.2	.6	.6	.7	2.8	2.8	2.7	(1)	(1)	(1)
Contract construction..	5.5	5.6	4.8	24.8	24.5	24.5	41.6	40.5	41.8	2.1	2.1	2.3
Manufacturing.....	11.9	11.9	11.4	105.5	113.3	110.6	258.9	266.2	257.7	3.6	3.4	3.3
Trans. and pub. util...	4.6	4.6	4.7	44.7	44.9	45.0	63.4	63.3	63.5	2.7	2.7	2.7
Trade.....	16.8	16.5	16.7	106.5	106.0	105.9	156.6	157.4	154.2	7.6	7.6	7.5
Finance.....	5.4	5.4	5.3	28.5	28.5	28.0	40.0	40.1	40.1	1.4	1.4	1.4
Service.....	12.3	12.0	12.2	61.4	61.1	60.9	113.9	112.4	111.6	4.6	4.7	4.3
Government.....	16.6	16.5	16.2	54.2	54.2	51.5	87.7	86.7	84.2	3.7	3.7	3.7
<b>MONTANA - Continued</b>												
	Great Falls <sup>2</sup>			Omaha			Reno			Manchester		
<b>TOTAL</b> .....	22.4	22.4	22.6	170.9	171.6	169.9	44.0	45.2	41.8	44.4	44.5	44.0
Mining.....	(1)	(1)	(1)	(5)	(5)	(5)	(6)	(6)	(6)	(1)	(1)	(1)
Contract construction..	2.4	2.2	2.7	9.4	10.1	11.3	5.0	5.1	4.7	2.5	2.5	2.5
Manufacturing.....	3.2	3.2	3.1	36.6	36.2	35.5	2.5	2.5	2.5	16.9	17.0	17.1
Trans. and pub. util...	2.2	2.2	2.2	20.4	20.5	20.5	4.0	4.0	3.9	2.6	2.6	2.6
Trade.....	5.5	5.6	5.6	40.6	40.5	39.7	9.1	9.4	8.4	9.4	9.4	9.3
Finance.....	1.3	1.3	1.3	14.2	14.3	14.1	2.2	2.2	2.1	2.6	2.6	2.5
Service.....	3.6	3.7	3.7	26.8	26.9	26.4	13.5	14.4	13.1	6.6	6.7	6.4
Government.....	4.2	4.2	4.0	23.1	23.2	22.6	7.7	7.6	7.1	3.7	3.7	3.5
<b>NEW JERSEY</b>												
	Jersey City <sup>7</sup>			Newark <sup>7</sup>			Paterson - Clifton - Passaic <sup>7</sup>			Perth Amboy <sup>7</sup>		
<b>TOTAL</b> .....	253.3	251.6	254.9	683.6	685.1	682.1	399.5	397.9	398.1	195.5	194.1	193.5
Mining.....	-	-	-	.9	.8	.9	.5	.5	.5	.9	.9	.8
Contract construction..	5.8	5.9	6.1	31.0	31.3	29.4	23.8	23.9	21.7	11.7	11.4	10.5
Manufacturing.....	114.8	114.6	116.6	231.3	236.3	238.7	162.7	163.8	167.3	89.5	89.6	92.5
Trans. and pub. util...	35.9	35.8	36.3	50.4	49.9	50.1	22.8	22.5	23.0	9.6	9.5	9.5
Trade.....	36.6	36.0	35.8	137.3	135.9	136.7	87.5	86.3	86.1	34.2	33.7	32.4
Finance.....	8.9	8.9	8.7	47.1	47.5	46.9	14.2	14.2	13.7	4.0	3.9	3.8
Service.....	24.6	24.3	24.4	108.5	108.3	105.6	51.3	50.9	50.4	19.6	19.5	18.8
Government.....	26.7	26.1	27.0	77.1	75.1	73.8	36.7	35.8	35.4	26.0	25.6	25.2
<b>NEW JERSEY - Continued</b>												
	Trenton			Albuquerque <sup>2</sup>			Albany - Schenectady - Troy			Binghamton		
<b>TOTAL</b> .....	109.4	113.8	111.4	93.0	92.4	90.2	235.4	235.0	232.8	79.3	79.3	78.1
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.7	4.7	4.4	8.6	8.7	7.9	11.0	11.1	10.1	3.6	3.8	3.7
Manufacturing.....	34.5	39.4	38.7	8.6	8.7	8.8	60.7	60.8	62.0	35.4	35.4	34.5
Trans. and pub. util...	6.2	6.3	6.3	6.3	6.4	6.6	13.6	13.9	13.8	3.8	3.8	3.9
Trade.....	19.9	19.8	19.0	21.1	21.3	20.5	47.8	47.5	46.9	13.3	13.2	13.5
Finance.....	4.3	4.3	4.3	5.9	5.9	6.0	9.7	9.7	9.5	2.6	2.6	2.6
Service.....	18.3	18.0	17.9	21.1	21.1	20.2	38.0	37.7	36.4	8.5	8.6	8.3
Government.....	21.4	21.2	20.7	21.4	20.3	20.2	54.6	54.3	54.2	12.2	12.0	11.7

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA AREA EMPLOYMENT

30

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)												
Industry division	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
<b>NEW YORK - Continued</b>												
	Buffalo			Elmira <sup>8</sup>			Nassau and Suffolk Counties <sup>9</sup>			New York-Northeastern New Jersey		
TOTAL.....	434.6	450.1	437.2	32.9	33.0	32.7	525.9	528.7	528.3	5,970.5	5,950.7	5,933.2
Mining.....	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)	4.8	4.7	4.7
Contract construction..	21.0	21.4	20.7	-	-	-	35.4	35.9	37.4	248.4	251.1	261.6
Manufacturing.....	159.9	174.6	166.9	14.1	14.1	14.1	129.3	130.3	141.8	1,710.1	1,713.5	1,741.5
Trans. and pub. util...	31.9	32.2	31.7	-	-	-	26.4	26.5	24.8	477.0	476.5	472.5
Trade.....	86.0	86.0	85.1	6.2	6.2	6.2	128.9	128.7	126.6	1,234.9	1,221.5	1,217.4
Finance.....	16.4	16.4	16.3	-	-	-	22.6	22.5	21.9	506.8	507.3	503.9
Service.....	58.3	58.4	57.3	-	-	-	86.7	88.6	84.2	1,020.8	1,018.3	988.8
Government.....	61.2	61.2	59.1	-	-	-	96.5	96.1	91.5	767.6	757.5	742.7
<b>NEW YORK - Continued</b>												
	New York SMSA <sup>7</sup>			New York City <sup>9</sup>			Rochester			Syracuse		
TOTAL.....	4,438.6	4,422.0	4,405.4	3,613.0	3,589.9	3,586.3	257.5	256.7	245.3	193.3	194.1	191.1
Mining.....	2.5	2.5	2.5	1.8	1.9	1.8	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	176.1	178.6	193.9	121.4	123.2	137.9	14.0	14.5	12.6	10.3	10.8	10.8
Manufacturing.....	1,111.8	1,109.3	1,126.4	903.5	896.2	904.8	117.0	116.3	111.1	64.4	64.3	63.4
Trans. and pub. util...	358.3	358.8	353.6	314.2	314.6	311.3	11.1	11.1	10.6	12.6	12.8	12.5
Trade.....	939.3	929.6	927.2	745.3	736.4	738.9	45.4	44.5	43.6	40.1	40.1	40.0
Finance.....	432.6	432.8	430.8	396.4	396.8	395.4	8.9	8.9	8.8	9.5	9.6	9.3
Service.....	816.8	815.3	789.6	670.2	666.4	649.7	35.1	35.1	33.2	29.1	29.1	28.3
Government.....	601.1	594.9	581.3	460.1	454.4	446.5	25.9	26.3	25.4	27.3	27.4	26.7
<b>NEW YORK - Continued</b>												
	Utica - Rome			Westchester County <sup>9</sup>			Charlotte			Greensboro - High Point		
TOTAL.....	102.6	102.0	103.9	252.9	256.4	249.1	121.2	120.5	118.7	-	-	-
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-
Contract construction..	3.3	3.3	4.0	16.5	16.6	16.1	8.5	8.5	8.4	6.5	6.5	6.0
Manufacturing.....	37.3	36.9	37.5	66.5	70.2	67.4	29.4	28.8	28.8	44.5	44.5	44.3
Trans. and pub. util...	5.3	5.3	5.5	15.4	15.5	15.4	13.9	13.9	13.6	5.6	5.6	5.4
Trade.....	16.7	16.5	16.7	56.3	55.7	54.8	32.6	32.5	32.9	22.0	21.5	21.4
Finance.....	3.9	4.0	4.1	12.0	12.0	12.1	8.5	8.5	8.5	6.5	6.4	6.3
Service.....	11.6	12.1	11.2	52.2	52.3	50.0	17.0	17.0	15.8	-	-	-
Government.....	24.5	23.8	24.9	34.1	34.1	33.4	11.3	11.3	10.7	-	-	-
<b>NORTH CAROLINA - Continued</b>												
	Winston - Salem			Fargo - Moorhead			Akron			Canton		
TOTAL.....	-	-	-	32.8	32.2	32.4	180.0	181.9	178.6	113.8	114.3	109.2
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.5	.6	.5
Contract construction..	-	-	-	2.6	2.6	3.0	7.0	7.3	7.0	4.5	4.8	4.4
Manufacturing.....	37.3	36.6	38.6	2.7	2.7	2.6	80.4	82.6	80.8	54.9	55.2	51.9
Trans. and pub. util...	-	-	-	2.9	2.9	2.9	12.7	12.8	12.7	5.7	5.7	5.8
Trade.....	-	-	-	10.0	10.0	10.0	34.1	34.0	34.0	20.5	20.5	20.0
Finance.....	-	-	-	2.3	2.3	2.2	5.5	5.5	5.3	4.0	4.0	3.8
Service.....	-	-	-	5.8	5.2	5.6	22.9	23.0	22.0	13.1	13.4	12.9
Government.....	-	-	-	6.5	6.4	6.1	17.3	16.7	16.8	10.5	10.0	10.0
<b>OHIO - Continued</b>												
	Cincinnati			Cleveland			Columbus			Dayton		
TOTAL.....	396.7	400.4	399.6	707.5	720.7	708.8	283.0	283.2	283.3	268.3	268.3	260.2
Mining.....	.3	.3	.3	.4	.4	.4	.7	.7	.8	.5	.5	.5
Contract construction..	20.9	21.1	21.0	33.6	33.9	33.5	16.1	16.5	16.1	12.1	12.1	11.4
Manufacturing.....	139.3	144.0	144.6	263.2	277.0	274.5	68.5	72.0	75.2	109.5	110.4	104.8
Trans. and pub. util...	30.5	30.6	30.3	47.1	47.0	45.8	17.9	17.8	17.5	10.3	10.5	10.1
Trade.....	83.5	82.7	82.4	145.9	146.1	143.4	59.2	58.6	58.2	46.2	46.2	45.9
Finance.....	22.7	22.8	22.3	34.4	34.7	34.0	19.4	19.4	18.4	7.6	7.6	7.4
Service.....	53.8	54.3	53.4	98.6	98.5	95.7	42.0	42.0	40.1	34.8	34.6	33.0
Government.....	45.6	44.7	45.4	84.4	83.1	81.5	59.3	56.2	57.0	47.4	46.4	47.0

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA AREA EMPLOYMENT

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
	OHIO - Continued						OKLAHOMA					
	Toledo			Youngstown - Warren			Oklahoma City			Tulsa		
TOTAL.....	161.7	164.7	161.1	164.2	164.5	153.9	204.1	203.3	199.6	146.3	146.3	138.4
Mining.....	.2	.2	.2	.4	.4	.4	6.6	6.8	6.7	12.9	13.3	12.7
Contract construction..	8.0	8.0	7.7	7.9	7.8	7.2	16.1	16.2	15.3	12.3	12.5	8.9
Manufacturing.....	59.3	62.4	60.0	77.9	78.5	69.6	25.9	25.8	25.2	31.5	31.3	29.1
Trans. and pub. util...	12.7	12.9	12.8	9.0	9.0	8.5	13.1	13.2	13.3	14.3	14.4	13.8
Trade.....	34.7	35.0	34.9	28.4	28.5	28.2	48.5	48.2	46.8	33.7	33.3	32.7
Finance.....	6.2	6.1	6.0	4.3	4.3	4.2	13.0	13.0	12.7	7.3	7.3	7.3
Service.....	24.4	24.1	23.7	20.6	20.5	20.1	27.3	27.3	26.6	20.2	20.1	20.2
Government.....	16.2	16.0	15.8	15.7	15.4	15.5	53.6	52.8	53.0	14.1	14.1	13.7
	OREGON			PENNSYLVANIA								
	Portland <sup>2</sup>			Allentown - Bethlehem - Easton			Altoona			Erie		
TOTAL.....	301.4	303.4	291.1	190.6	190.6	184.7	42.0	41.9	41.2	83.5	83.2	80.5
Mining.....	(1)	(1)	(1)	.5	.5	.5	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	17.2	17.4	15.2	7.4	7.5	7.1	1.6	1.6	1.5	2.7	2.8	2.8
Manufacturing.....	71.9	73.7	69.5	97.5	97.5	94.0	12.1	12.2	11.8	40.5	40.4	37.7
Trans. and pub. util...	27.4	27.4	27.4	10.6	10.7	10.6	9.2	9.1	9.3	4.9	4.9	4.8
Trade.....	73.4	73.6	71.6	30.4	30.2	29.8	7.1	7.0	7.0	13.7	13.6	13.9
Finance.....	17.3	17.4	16.8	5.3	5.3	5.3	1.1	1.1	1.1	2.6	2.7	2.6
Service.....	45.5	46.2	44.0	23.2	23.3	22.5	5.8	5.8	5.7	10.5	10.5	10.3
Government.....	48.7	47.7	46.6	15.7	15.6	14.9	5.1	5.1	4.8	8.6	8.3	8.4
	PENNSYLVANIA - Continued											
	Harrisburg			Johnstown			Lancaster			Philadelphia		
TOTAL.....	149.7	150.4	147.0	70.4	70.7	68.3	101.1	101.3	99.2	1,556.9	1,547.3	1,537.8
Mining.....	(1)	(1)	(1)	4.9	4.9	4.7	(1)	(1)	(1)	1.3	1.3	1.4
Contract construction..	7.3	7.4	6.5	2.4	2.5	2.6	5.9	5.9	5.5	79.6	81.3	70.4
Manufacturing.....	34.4	34.7	33.7	25.2	25.3	23.7	49.3	49.7	47.8	538.5	542.1	535.6
Trans. and pub. util...	11.7	11.8	11.9	4.9	4.9	4.8	4.9	4.9	4.9	106.2	107.1	108.1
Trade.....	25.4	25.5	25.7	11.8	11.8	11.8	17.1	17.0	17.3	307.8	302.3	303.6
Finance.....	6.4	6.4	6.4	1.7	1.7	1.7	2.3	2.4	2.3	83.9	84.6	84.3
Service.....	20.0	20.1	19.7	9.6	9.8	9.6	12.9	12.9	13.0	239.3	232.0	235.4
Government.....	44.5	44.5	43.1	9.9	9.8	9.4	8.7	8.5	8.4	200.3	196.6	199.0
	PENNSYLVANIA - Continued											
	Pittsburgh			Reading			Scranton			Wilkes-Barre - Hazleton		
TOTAL.....	772.6	775.6	750.6	107.2	107.6	106.3	76.0	76.3	75.6	106.3	106.9	105.9
Mining.....	9.7	9.6	9.0	(1)	(1)	(1)	1.2	1.2	1.1	4.1	4.1	4.2
Contract construction..	36.1	36.4	37.1	4.1	4.2	4.5	1.8	1.8	1.8	3.3	3.4	3.5
Manufacturing.....	280.7	284.9	265.0	53.4	53.7	52.7	31.7	31.9	31.0	45.0	45.6	44.4
Trans. and pub. util...	56.3	56.7	54.7	5.6	5.6	5.8	5.7	5.8	6.0	5.8	5.9	6.0
Trade.....	147.6	145.8	145.5	15.8	15.8	15.9	13.9	13.8	14.3	18.7	18.6	18.9
Finance.....	33.1	33.5	33.0	4.3	4.4	4.1	2.4	2.4	2.4	3.5	3.5	3.4
Service.....	126.3	127.7	126.3	13.6	13.8	13.5	10.8	10.9	10.8	12.8	12.8	12.7
Government.....	82.8	81.0	80.0	10.4	10.1	9.8	8.5	8.5	8.2	13.1	13.0	12.8
	PENNSYLVANIA - Continued											
	York			RHODE ISLAND			SOUTH CAROLINA					
				Providence - Pawtucket Warwick			Charleston			Columbia		
TOTAL.....	90.5	90.7	86.6	307.9	308.9	308.7	63.0	62.9	61.5	81.1	80.6	77.5
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	5.1	5.2	4.6	13.6	14.0	13.9	5.1	5.0	4.9	6.0	5.9	5.2
Manufacturing.....	44.8	45.2	41.3	129.8	130.0	130.8	10.1	10.0	9.8	16.5	16.5	15.6
Trans. and pub. util...	5.1	5.1	5.0	14.5	14.4	14.3	4.1	4.3	4.3	4.9	4.9	4.8
Trade.....	16.1	16.0	15.5	55.6	55.6	56.0	13.1	13.1	12.5	17.0	16.9	16.8
Finance.....	2.0	2.0	1.9	13.3	13.3	13.4	2.9	2.9	2.8	5.7	5.7	5.4
Service.....	9.6	9.5	9.5	42.8	43.3	42.3	7.1	7.1	6.9	9.9	9.8	9.7
Government.....	7.8	7.7	8.8	38.3	38.3	38.0	20.6	20.5	20.3	21.1	20.9	20.0

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA AREA EMPLOYMENT

32

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
	SOUTH CAROLINA - Continued			SOUTH DAKOTA			TENNESSEE					
	Greenville			Sioux Falls			Chattanooga			Knoxville		
TOTAL.....	93.2	92.9	90.9	30.5	30.3	29.7	101.3	101.2	96.6	126.7	125.6	120.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.2	.2	.2	1.7	1.7	1.7
Contract construction..	6.3	6.3	5.7	2.4	2.5	1.7	5.0	4.9	3.5	5.8	5.7	5.7
Manufacturing.....	46.5	46.4	45.6	5.3	5.2	5.5	42.1	42.3	40.4	44.3	44.2	42.9
Trans. and pub. util...	3.5	3.5	3.5	2.8	2.8	2.8	4.8	4.8	4.7	6.7	6.7	6.5
Trade.....	15.8	15.7	15.2	9.4	9.4	8.8	19.5	19.2	18.4	25.8	25.4	23.8
Finance.....	3.5	3.5	3.5	1.8	1.7	1.7	5.8	5.7	5.5	4.4	4.4	4.2
Service.....	9.6	9.6	9.6	5.2	4.9	5.3	11.6	11.7	11.6	15.0	14.9	14.3
Government.....	8.0	7.9	7.8	3.7	3.8	3.8	12.3	12.4	12.3	23.0	22.6	21.7
	TENNESSEE - Continued						TEXAS					
	Memphis			Nashville			Dallas			Fort Worth		
TOTAL.....	216.3	215.6	211.2	172.2	171.1	168.1	457.5	457.8	443.4	-	-	-
Mining.....	.3	.3	.3	(1)	(1)	(1)	7.6	7.8	7.8	-	-	-
Contract construction..	12.4	12.5	12.6	10.3	10.4	9.6	28.6	29.1	29.6	-	-	-
Manufacturing.....	49.3	49.4	48.0	51.8	51.5	50.8	111.2	111.4	109.4	56.2	59.3	53.6
Trans. and pub. util...	16.6	16.6	16.4	10.9	10.8	10.7	38.2	38.3	37.8	-	-	-
Trade.....	56.5	55.7	54.8	36.3	36.0	35.2	127.6	126.8	120.3	-	-	-
Finance.....	12.1	12.1	11.6	11.6	11.6	11.4	37.9	38.1	36.9	-	-	-
Service.....	31.7	31.5	31.0	26.9	26.9	26.5	62.0	62.0	59.4	-	-	-
Government.....	37.4	37.5	36.5	24.4	23.9	23.9	44.5	44.3	42.2	-	-	-
	TEXAS - Continued						UTAH			VERMONT		
	Houston			San Antonio			Salt Lake City			Burlington <sup>8</sup>		
TOTAL.....	-	-	-	-	-	-	164.1	160.7	163.1	22.8	22.9	22.3
Mining.....	-	-	-	-	-	-	6.6	2.6	6.4	-	-	-
Contract construction..	-	-	-	11.3	11.7	11.8	12.0	11.9	12.0	-	-	-
Manufacturing.....	97.7	98.2	94.7	24.4	24.4	24.1	28.8	28.5	30.3	4.7	4.6	4.6
Trans. and pub. util...	-	-	-	9.4	9.5	9.6	13.9	14.0	13.7	1.6	1.6	1.6
Trade.....	-	-	-	-	-	-	42.7	43.2	42.1	5.4	5.4	5.4
Finance.....	-	-	-	12.2	12.2	11.8	10.0	10.0	9.8	-	-	-
Service.....	-	-	-	-	-	-	23.3	23.9	22.5	-	-	-
Government.....	-	-	-	54.0	54.0	54.0	26.8	26.6	26.3	-	-	-
	VERMONT - Continued						VIRGINIA					
	Springfield <sup>8</sup>			Newport News - Hampton			Norfolk - Portsmouth			Richmond		
TOTAL.....	11.8	12.6	12.2	81.3	81.1	77.7	163.4	163.4	161.5	191.6	190.9	185.3
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.4	.4	.3
Contract construction..	-	-	-	5.4	5.5	4.9	14.6	14.7	13.6	14.2	14.3	13.6
Manufacturing.....	5.9	6.6	6.5	26.9	26.7	24.6	18.2	17.9	17.3	47.4	47.3	45.8
Trans. and pub. util...	.7	.7	.8	4.2	4.1	4.1	14.2	14.2	14.6	15.3	15.4	15.1
Trade.....	1.7	1.7	1.7	12.8	12.7	12.5	39.5	39.4	38.6	44.8	44.4	42.9
Finance.....	-	-	-	2.4	2.4	2.3	6.6	6.6	6.5	15.2	15.3	15.0
Service.....	-	-	-	8.1	8.1	8.0	21.0	21.6	20.7	24.3	24.3	23.4
Government.....	-	-	-	21.5	21.6	21.3	49.2	48.9	50.1	30.0	29.5	29.2
	VIRGINIA - Continued						WASHINGTON					
	Roanoke			Seattle - Everett <sup>2</sup>			Spokane <sup>2</sup>			Tacoma <sup>2</sup>		
TOTAL.....	64.8	64.8	63.5	395.9	399.1	401.5	74.5	75.0	74.8	82.5	84.2	80.6
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.8	5.0	4.4	19.1	19.5	20.3	3.4	3.1	3.7	4.1	4.1	4.5
Manufacturing.....	15.7	15.6	15.3	110.2	112.3	117.8	12.4	12.9	12.4	17.6	18.3	17.2
Trans. and pub. util...	8.8	8.7	8.8	29.4	30.1	30.0	7.2	7.3	7.3	5.5	5.5	5.6
Trade.....	14.6	14.5	14.4	89.3	89.7	89.9	20.1	20.0	20.4	17.9	18.8	17.2
Finance.....	3.4	3.4	3.3	25.1	25.3	25.3	4.2	4.2	4.2	4.2	4.2	4.0
Service.....	10.0	10.1	9.8	55.6	56.2	53.7	13.7	14.0	13.5	12.1	12.4	11.7
Government.....	7.4	7.4	7.4	67.2	66.0	64.5	13.5	13.5	13.3	21.1	20.9	20.4

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA AREA EMPLOYMENT

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

Industry division	(In thousands)											
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
	WEST VIRGINIA									WISCONSIN		
	Charleston			Huntington - Ashland			Wheeling			Green Bay		
TOTAL.....	75.8	76.0	76.6	73.1	73.5	71.0	53.5	53.3	51.1	42.2	42.5	41.6
Mining.....	3.5	3.5	3.6	1.0	1.0	1.0	2.5	2.5	2.4	(1)	(1)	(1)
Contract construction..	4.4	4.4	3.7	5.7	5.8	4.3	4.6	4.4	2.9	2.0	2.0	2.4
Manufacturing.....	21.7	21.8	22.5	25.0	25.4	24.5	16.9	16.7	16.8	14.3	14.7	14.0
Trans. and pub. util...	8.4	8.4	8.4	6.9	7.0	7.3	3.5	3.5	3.5	3.9	4.0	3.9
Trade.....	15.8	15.9	16.1	15.3	15.1	14.9	11.3	11.4	11.1	10.8	10.5	10.4
Finance.....	3.2	3.2	3.3	2.5	2.5	2.4	1.9	1.9	1.9	1.2	1.2	1.2
Service.....	9.5	9.5	9.6	7.4	7.6	7.4	7.6	7.7	7.4	5.9	6.0	5.8
Government.....	9.5	9.6	9.6	9.5	9.4	9.2	5.2	5.3	5.3	4.1	4.1	4.0
WISCONSIN - Continued												
	Kenosha			La Crosse			Madison			Milwaukee		
TOTAL.....	37.6	36.4	37.7	23.5	23.7	23.3	91.1	90.8	87.2	483.6	483.4	471.7
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.4	1.5	1.6	1.3	1.4	1.0	5.3	5.2	5.1	22.7	22.6	20.2
Manufacturing.....	21.7	20.5	22.0	7.2	7.3	7.3	14.4	14.6	13.2	196.7	197.8	192.5
Trans. and pub. util...	1.4	1.4	1.6	2.0	2.0	1.9	4.8	4.8	4.6	27.4	27.4	27.6
Trade.....	5.3	5.2	4.9	5.6	5.5	5.6	18.6	18.3	17.9	96.4	95.6	95.5
Finance.....	.7	.7	.6	.6	.6	.6	4.7	4.7	4.4	23.1	23.2	22.9
Service.....	3.9	3.9	3.9	4.3	4.3	4.3	12.7	12.6	12.1	64.1	63.3	62.2
Government.....	3.2	3.2	3.0	2.6	2.6	2.6	30.7	30.5	29.8	53.2	53.6	50.8
WISCONSIN - Continued												
	Racine			Casper			Cheyenne			California - Continued		
TOTAL.....	49.0	48.9	47.0	18.7	18.9	17.6	21.1	22.1	21.3	282.4	280.0	260.0
Mining.....	(1)	(1)	(1)	3.4	3.4	3.4	(1)	(1)	(1)	1.6	1.7	1.6
Contract construction..	1.9	2.0	1.9	1.7	1.8	1.6	4.0	4.4	4.6	25.8	26.1	23.7
Manufacturing.....	24.0	24.1	22.5	1.6	1.6	1.5	2.0	2.0	1.5	93.6	91.9	90.5
Trans. and pub. util...	1.8	1.9	1.8	1.6	1.7	1.7	2.6	2.7	2.7	9.0	9.0	8.3
Trade.....	8.8	8.8	8.6	4.6	4.6	4.0	4.0	4.1	4.1	57.6	58.2	52.3
Finance.....	1.3	1.3	1.3	.8	.8	.8	1.0	1.0	.9	12.6	12.5	11.4
Service.....	6.0	5.9	6.0	2.4	2.4	2.1	2.4	2.5	2.3	40.8	41.1	35.3
Government.....	5.1	5.0	4.9	2.6	2.6	2.5	5.1	5.4	5.2	41.4	39.5	36.9

<sup>1</sup> Combined with service.

<sup>2</sup> Revised series; not strictly comparable with previously published data.

<sup>3</sup> See end of table for additional area.

<sup>4</sup> Not available.

<sup>5</sup> Combined with construction.

<sup>6</sup> Combined with manufacturing.

<sup>7</sup> Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>8</sup> Total includes data for industry divisions not shown separately.

<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA

## HISTORICAL HOURS AND EARNINGS

Table C-1: Gross hours and earnings of production workers on manufacturing payrolls  
1919 to date

Year and month	Manufacturing			Durable goods			Nondurable goods		
	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
1919.....	\$21.84	46.3	\$0.472	-	-	-	-	-	-
1920.....	26.02	47.4	.549	-	-	-	-	-	-
1921.....	21.94	43.1	.509	-	-	-	-	-	-
1922.....	21.28	44.2	.482	-	-	-	-	-	-
1923.....	23.56	45.6	.516	\$25.42	-	-	\$21.50	-	-
1924.....	23.67	43.7	.541	25.48	-	-	21.63	-	-
1925.....	24.11	44.5	.541	26.02	-	-	21.99	-	-
1926.....	24.38	45.0	.542	26.23	-	-	22.29	-	-
1927.....	24.47	45.0	.544	26.28	-	-	22.55	-	-
1928.....	24.70	44.4	.556	26.86	-	-	22.42	-	-
1929.....	24.76	44.2	.560	26.84	-	-	22.47	-	-
1930.....	23.00	42.1	.546	24.42	-	-	21.40	-	-
1931.....	20.64	40.5	.509	20.98	-	-	20.09	-	-
1932.....	16.89	38.3	.441	15.99	32.5	\$0.492	17.26	41.9	\$0.412
1933.....	16.65	38.1	.437	16.20	34.7	.467	16.76	40.0	.419
1934.....	18.20	34.6	.526	18.59	33.8	.550	17.73	35.1	.505
1935.....	19.91	36.6	.544	21.24	37.2	.571	18.77	36.1	.520
1936.....	21.56	39.2	.550	23.72	40.9	.580	19.57	37.7	.519
1937.....	23.82	38.6	.617	26.61	39.9	.667	21.17	37.4	.566
1938.....	22.07	35.6	.620	23.70	34.9	.679	20.65	36.1	.572
1939.....	23.64	37.7	.627	26.19	37.9	.691	21.36	37.4	.571
1940.....	24.96	38.1	.655	28.07	39.2	.716	21.83	37.0	.590
1941.....	29.48	40.6	.726	33.56	42.0	.799	24.39	38.9	.627
1942.....	36.68	43.1	.851	42.17	45.0	.937	28.57	40.3	.709
1943.....	43.07	45.0	.957	48.73	46.5	1.048	33.45	42.5	.787
1944.....	45.70	45.2	1.011	51.38	46.5	1.105	36.38	43.1	.844
1945.....	44.20	43.5	1.016	48.36	44.0	1.099	37.48	42.3	.886
1946.....	43.32	40.3	1.075	46.22	40.4	1.144	40.30	40.5	.995
1947.....	49.17	40.4	1.217	51.76	40.5	1.278	46.03	40.2	1.145
1948.....	53.12	40.0	1.328	56.36	40.4	1.395	49.50	39.6	1.250
1949.....	53.38	39.1	1.378	57.25	39.4	1.453	50.38	38.9	1.295
1950.....	53.32	40.5	1.440	62.43	41.1	1.519	53.48	39.7	1.347
1951.....	63.34	40.6	1.56	68.48	41.5	1.65	56.88	39.5	1.44
1952.....	67.16	40.7	1.65	72.63	41.5	1.75	59.95	39.7	1.51
1953.....	70.47	40.5	1.74	76.63	41.2	1.86	62.57	39.6	1.58
1954.....	70.49	39.6	1.78	76.19	40.1	1.90	63.18	39.0	1.62
1955.....	75.70	40.7	1.86	82.19	41.3	1.99	66.63	39.9	1.67
1956.....	78.78	40.4	1.95	85.28	41.0	2.08	70.09	39.6	1.77
1957.....	81.59	39.8	2.05	88.26	40.3	2.19	72.52	39.2	1.85
1958.....	82.71	39.2	2.11	89.27	39.5	2.26	74.11	38.8	1.91
1959.....	88.26	40.3	2.19	96.05	40.7	2.36	78.61	39.7	1.98
1960.....	89.72	39.7	2.26	97.44	40.1	2.43	80.36	39.2	2.05
1961.....	92.34	39.8	2.32	100.35	40.3	2.49	82.92	39.3	2.11
1962.....	96.56	40.4	2.39	104.70	40.9	2.56	85.93	39.6	2.17
1963.....	99.63	40.5	2.46	108.50	41.1	2.64	87.91	39.6	2.22
1963: November.....	100.85	40.5	2.49	110.00	41.2	2.67	89.10	39.6	2.25
December.....	102.66	40.9	2.51	111.90	41.6	2.69	90.57	39.9	2.27
1964: January.....	100.30	39.8	2.52	109.21	40.6	2.69	88.24	38.7	2.28
February.....	101.15	40.3	2.51	110.29	41.0	2.69	89.44	39.4	2.27
March.....	101.40	40.4	2.51	110.29	41.0	2.69	89.67	39.5	2.27
April.....	102.47	40.5	2.53	111.51	41.3	2.70	89.83	39.4	2.28
May.....	102.97	40.7	2.53	112.47	41.5	2.71	90.91	39.7	2.29
June.....	103.48	40.9	2.53	113.01	41.7	2.71	91.37	39.9	2.29
July.....	102.97	40.7	2.53	111.92	41.3	2.71	91.14	39.8	2.29
August.....	103.07	40.9	2.52	112.47	41.5	2.71	91.83	40.1	2.29
September.....	104.60	40.7	2.57	114.13	41.5	2.75	91.87	39.6	2.32
October.....	102.97	40.7	2.53	111.78	41.4	2.70	91.77	39.9	2.30
November.....	104.70	40.9	2.56	113.98	41.6	2.74	92.17	39.9	2.31

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the hours and earnings series.  
Data for the 2 most recent months are preliminary.



# ESTABLISHMENT DATA HOURS AND EARNINGS

36

Table C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry

Industry	Average weekly earnings					Average hourly earnings				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>MINING</b> .....	-	\$122.69	\$118.53	\$114.12	\$116.89	-	\$2.88	\$2.87	\$2.77	\$2.77
<b>METAL MINING</b> .....	-	124.98	125.40	119.02	120.47	-	2.99	3.00	2.91	2.91
Iron ores .....	-	124.71	130.92	116.80	120.43	-	3.11	3.17	3.09	3.08
Copper ores .....	-	135.41	132.01	128.17	130.23	-	3.12	3.07	2.96	2.98
<b>COAL MINING</b> .....	-	134.39	124.50	118.31	121.99	-	3.31	3.32	3.13	3.12
Bituminous .....	-	136.61	126.67	119.45	123.48	-	3.34	3.36	3.16	3.15
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	116.33	113.57	112.83	113.48	-	2.75	2.73	2.68	2.67
Crude petroleum and natural gas fields .....	-	120.95	123.37	120.54	119.43	-	2.95	2.98	2.94	2.92
Oil and gas field services .....	-	112.41	105.50	106.46	108.43	-	2.59	2.53	2.47	2.47
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	118.68	116.36	108.24	115.29	-	2.58	2.58	2.46	2.49
<b>CONTRACT CONSTRUCTION</b> .....	-	138.62	131.03	124.51	134.59	-	3.61	3.58	3.43	3.46
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	128.04	121.79	115.50	123.84	-	3.47	3.45	3.30	3.32
<b>HEAVY CONSTRUCTION</b> .....	-	142.52	130.87	123.60	138.97	-	3.33	3.28	3.09	3.18
Highway and street construction .....	-	141.38	128.15	120.09	138.57	-	3.25	3.18	2.98	3.10
Other heavy construction .....	-	143.79	133.96	127.98	139.92	-	3.44	3.40	3.24	3.30
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	143.62	137.14	131.01	139.49	-	3.84	3.82	3.68	3.70
<b>MANUFACTURING</b> .....	\$104.70	102.97	104.60	100.85	100.78	\$2.56	2.53	2.57	2.49	2.47
<b>DURABLE GOODS</b> .....	113.98	111.78	114.13	110.00	110.12	2.74	2.70	2.75	2.67	2.66
<b>NONDURABLE GOODS</b> .....	92.17	91.77	91.87	89.10	89.38	2.31	2.30	2.32	2.25	2.24
<i>Durable Goods</i> .....										
<b>ORDNANCE AND ACCESSORIES</b> .....	125.46	124.14	121.60	120.47	121.13	3.06	3.05	3.04	2.96	2.94
Ammunition, except for small arms .....	128.74	127.48	122.93	122.51	122.89	3.14	3.14	3.12	3.01	2.99
Sighting and fire control equipment .....	-	129.27	128.74	128.75	129.48	-	3.13	3.14	3.11	3.12
Other ordnance and accessories .....	117.79	116.40	116.85	114.77	116.05	2.88	2.86	2.85	2.82	2.81
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	86.62	88.07	88.00	82.97	86.09	2.16	2.18	2.20	2.09	2.11
Sawmills and planing mills .....	78.60	81.00	80.40	76.42	78.74	1.97	2.00	2.01	1.92	1.93
Sawmills and planing mills, general .....	-	82.62	82.19	77.42	79.98	-	2.05	2.06	1.96	1.97
Millwork, plywood, and related products .....	94.21	93.94	93.02	90.83	90.64	2.27	2.28	2.28	2.21	2.20
Millwork .....	-	90.85	90.23	89.54	89.98	-	2.26	2.25	2.20	2.20
Veneer and plywood .....	-	97.33	96.56	92.80	91.94	-	2.29	2.31	2.22	2.21
Wooden containers .....	70.12	70.88	67.79	67.49	70.18	1.74	1.75	1.77	1.70	1.72
Wooden boxes, shooks, and crates .....	-	69.02	66.39	66.09	69.22	-	1.70	1.72	1.64	1.68
Miscellaneous wood products .....	77.93	78.14	78.17	75.74	76.07	1.91	1.92	1.93	1.87	1.86
<b>FURNITURE AND FIXTURES</b> .....	86.94	86.94	85.49	83.43	84.03	2.07	2.07	2.07	2.02	2.02
Household furniture .....	83.75	83.33	80.95	79.87	80.26	1.98	1.97	1.96	1.92	1.92
Wood house furniture, upholstered .....	-	78.44	75.89	75.23	75.58	-	1.82	1.82	1.77	1.77
Wood house furniture, upholstered .....	-	88.80	86.03	87.34	85.90	-	2.15	2.14	2.12	2.09
Mattresses and bedsprings .....	-	90.80	90.89	83.53	86.88	-	2.22	2.19	2.12	2.14
Office furniture .....	-	98.71	101.10	94.37	97.76	-	2.39	2.39	2.33	2.35
Partitions; office and store fixtures .....	-	109.45	108.92	101.89	104.38	-	2.65	2.65	2.56	2.59
Other furniture and fixtures .....	88.81	89.44	88.81	86.51	85.89	2.14	2.15	2.14	2.11	2.10
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	107.59	108.36	107.33	103.75	105.67	2.58	2.58	2.58	2.50	2.51
Flat glass .....	-	144.28	151.98	143.45	142.35	-	3.46	3.51	3.44	3.43
Glass and glassware, pressed or blown .....	103.57	102.11	101.49	100.50	100.25	2.57	2.54	2.55	2.50	2.50
Glass containers .....	-	102.29	100.23	100.44	100.60	-	2.57	2.57	2.48	2.49
Pressed and blown glassware, n.e.c. .....	-	102.16	103.07	100.55	99.90	-	2.51	2.52	2.52	2.51
Cement, hydraulic .....	124.27	122.13	127.26	120.30	117.83	2.98	2.95	3.03	2.92	2.86
Structural clay products .....	93.83	94.08	92.74	90.03	91.12	2.25	2.24	2.24	2.18	2.18
Brick and structural clay tile .....	-	89.01	87.77	86.72	87.92	-	2.07	2.07	2.05	2.04
Pottery and related products .....	-	92.69	90.25	91.83	90.09	-	2.30	2.32	2.29	2.31
Concrete, gypsum, and plaster products .....	108.12	113.78	110.08	106.21	112.50	2.55	2.58	2.56	2.47	2.50
Other stone and mineral products .....	108.26	107.84	108.62	103.75	104.92	2.59	2.58	2.58	2.50	2.51
Abrasive products .....	-	108.40	106.39	104.34	101.24	-	2.67	2.64	2.57	2.55

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**Table C-2: Gross hours and earnings of production workers<sup>1</sup>, by industry--Continued**

Industry	Average weekly hours					Average overtime hours				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>MINING</b> . . . . .	-	42.6	41.3	41.2	42.2	-	-	-	-	-
<b>METAL MINING</b> . . . . .	-	41.8	41.8	40.9	41.4	-	-	-	-	-
Iron ores . . . . .	-	40.1	41.3	37.8	39.1	-	-	-	-	-
Copper ores . . . . .	-	43.4	43.0	43.3	43.7	-	-	-	-	-
<b>COAL MINING</b> . . . . .	-	40.6	37.5	37.8	39.1	-	-	-	-	-
Bituminous . . . . .	-	40.9	37.7	37.8	39.2	-	-	-	-	-
<b>CRUDE PETROLEUM AND NATURAL GAS</b> . . . . .	-	42.3	41.6	42.1	42.5	-	-	-	-	-
Crude petroleum and natural gas fields . . . . .	-	41.0	41.4	41.0	40.9	-	-	-	-	-
Oil and gas field services . . . . .	-	43.4	41.7	43.1	43.9	-	-	-	-	-
<b>QUARRYING AND NONMETALLIC MINING</b> . . . . .	-	46.0	45.1	44.0	46.3	-	-	-	-	-
<b>CONTRACT CONSTRUCTION</b> . . . . .	-	38.4	36.6	36.3	38.9	-	-	-	-	-
<b>GENERAL BUILDING CONTRACTORS</b> . . . . .	-	36.9	35.3	35.0	37.3	-	-	-	-	-
<b>HEAVY CONSTRUCTION</b> . . . . .	-	42.8	39.9	40.0	43.7	-	-	-	-	-
Highway and street construction . . . . .	-	43.5	40.3	40.3	44.7	-	-	-	-	-
Other heavy construction . . . . .	-	41.8	39.4	39.5	42.4	-	-	-	-	-
<b>SPECIAL TRADE CONTRACTORS</b> . . . . .	-	37.4	35.9	35.6	37.7	-	-	-	-	-
<b>MANUFACTURING</b> . . . . .	40.9	40.7	40.7	40.5	40.8	3.3	3.2	3.5	3.0	3.0
<b>DURABLE GOODS</b> . . . . .	41.6	41.4	41.5	41.2	41.4	3.5	3.3	3.7	3.2	3.2
<b>NONDURABLE GOODS</b> . . . . .	39.9	39.9	39.6	39.6	39.9	3.0	3.1	3.2	2.8	2.9
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> . . . . .	41.0	40.7	40.0	40.7	41.2	-	1.9	2.0	2.3	2.6
Ammunition, except for small arms . . . . .	41.0	40.6	39.4	40.7	41.1	-	1.9	1.7	2.6	2.9
Sighting and fire control equipment . . . . .	-	41.3	41.0	41.4	41.5	-	1.2	1.2	1.2	1.1
Other ordnance and accessories . . . . .	40.9	40.7	41.0	40.7	41.3	-	2.0	2.6	1.8	2.2
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> . . . . .	40.1	40.4	40.0	39.7	40.8	-	3.5	3.4	3.3	3.6
Sawmills and planing mills . . . . .	39.9	40.5	40.0	39.8	40.8	-	3.6	3.3	3.3	3.5
Sawmills and planing mills, general . . . . .	-	40.3	39.9	39.5	40.6	-	-	-	-	-
Millwork, plywood, and related products . . . . .	41.5	41.2	40.8	41.1	41.2	-	3.4	3.5	3.6	3.5
Millwork . . . . .	-	40.2	40.1	40.7	40.9	-	-	-	-	-
Veneer and plywood . . . . .	-	42.5	41.8	41.8	41.6	-	-	-	-	-
Wooden containers . . . . .	40.3	40.5	38.3	39.7	40.8	-	3.0	2.4	2.5	3.0
Wooden boxes, sbook, and crates . . . . .	-	40.6	38.6	40.3	41.2	-	-	-	-	-
Miscellaneous wood products . . . . .	40.8	40.7	40.5	40.5	40.9	-	3.2	3.3	3.0	3.1
<b>FURNITURE AND FIXTURES</b> . . . . .	42.0	42.0	41.3	41.3	41.6	-	3.8	3.5	3.4	3.5
Household furniture . . . . .	42.3	42.3	41.3	41.6	41.8	-	3.9	3.5	3.6	3.7
Wood house furniture, upholstered . . . . .	-	43.1	41.7	42.5	42.7	-	-	-	-	-
Wood house furniture, upholstered . . . . .	-	41.3	40.2	41.2	41.1	-	-	-	-	-
Mattresses and bedsprings . . . . .	-	40.9	41.5	39.4	40.6	-	-	-	-	-
Office furniture . . . . .	-	41.3	42.3	40.5	41.6	-	2.8	3.2	2.0	2.7
Partitions; office and store fixtures . . . . .	-	41.3	41.1	39.8	40.3	-	3.6	3.0	2.2	2.7
Other furniture and fixtures . . . . .	41.5	41.6	41.5	41.0	40.9	-	3.6	4.0	3.2	3.0
<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	41.7	42.0	41.6	41.5	42.1	-	4.3	4.1	3.8	4.1
Flat glass . . . . .	-	41.7	43.3	41.7	41.5	-	4.0	5.2	4.5	3.2
Glass and glassware, pressed or blown . . . . .	40.3	40.2	39.8	40.2	40.1	-	4.0	4.0	3.1	3.5
Glass containers . . . . .	-	39.8	39.0	40.5	40.4	-	-	-	-	-
Pressed and blown glassware, n.e.c. . . . .	-	40.7	40.9	39.9	39.8	-	-	-	-	-
Cement, hydraulic . . . . .	41.7	41.4	42.0	41.2	41.2	-	2.1	2.4	1.8	2.0
Structural clay products . . . . .	41.7	42.0	41.4	41.3	41.8	-	3.7	3.7	3.5	3.5
Brick and structural clay tile . . . . .	-	43.0	42.4	42.3	43.1	-	-	-	-	-
Pottery and related products . . . . .	-	40.3	38.9	40.1	39.0	-	2.5	1.9	2.2	2.2
Concrete, gypsum, and plaster products . . . . .	42.4	44.1	43.0	43.0	45.0	-	6.5	5.5	5.6	6.6
Other stone and mineral products . . . . .	41.8	41.8	42.1	41.5	41.8	-	3.4	3.6	3.1	3.4
Abrasive products . . . . .	-	40.6	40.3	40.6	39.7	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

38

Table C-2: Gross hours and earnings of production workers<sup>1</sup> by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>PRIMARY METAL INDUSTRIES</b> . . . . .	\$129.90	\$129.48	\$136.21	\$123.73	\$122.41	\$3.13	\$3.12	\$3.19	\$3.04	\$3.03
Blast furnace and basic steel products . . . . .	139.33	139.67	148.86	128.58	127.59	3.39	3.39	3.47	3.28	3.28
Blast furnaces, steel and rolling mills . . . . .	-	140.63	151.36	129.87	128.87	-	3.43	3.52	3.33	3.33
Iron and steel foundries . . . . .	115.51	114.40	120.13	116.20	115.08	2.77	2.75	2.82	2.76	2.74
Gray iron foundries . . . . .	-	112.14	118.56	113.79	114.06	-	2.67	2.77	2.69	2.69
Malleable iron foundries . . . . .	-	113.03	128.04	121.40	112.31	-	2.84	2.93	2.87	2.78
Steel foundries . . . . .	-	120.10	119.68	118.56	118.29	-	2.88	2.87	2.85	2.83
Nonferrous smelting and refining . . . . .	121.76	122.06	127.54	118.98	118.98	2.92	2.92	2.98	2.86	2.86
Nonferrous rolling, drawing and extruding . . . . .	120.96	120.25	124.84	120.56	119.14	2.88	2.87	2.91	2.83	2.81
Copper rolling, drawing, and extruding . . . . .	-	121.30	124.62	122.22	121.25	-	2.93	2.96	2.91	2.88
Aluminum rolling, drawing, and extruding . . . . .	-	123.79	128.59	127.50	124.44	-	2.99	3.04	3.00	2.97
Nonferrous wire drawing and insulating . . . . .	-	117.00	122.88	113.52	112.49	-	2.74	2.78	2.64	2.61
Nonferrous foundries . . . . .	109.06	109.45	111.10	108.62	108.21	2.66	2.65	2.69	2.63	2.62
Aluminum castings . . . . .	-	109.45	111.64	110.81	110.66	-	2.65	2.69	2.67	2.66
Other nonferrous castings . . . . .	-	109.86	110.42	106.04	106.04	-	2.66	2.68	2.58	2.58
Miscellaneous primary metal industries . . . . .	139.75	138.02	135.88	130.73	130.52	3.25	3.24	3.22	3.12	3.13
Iron and steel forgings . . . . .	-	141.46	140.11	134.55	134.23	-	3.36	3.36	3.25	3.25
<b>FABRICATED METAL PRODUCTS</b> . . . . .	112.98	110.24	112.86	109.56	109.52	2.69	2.65	2.70	2.64	2.62
Metal cans . . . . .	128.29	128.83	132.18	129.44	125.63	3.04	3.06	3.11	3.06	3.02
Cutlery, hand tools, and general hardware . . . . .	110.30	100.04	109.52	108.00	104.90	2.62	2.47	2.62	2.59	2.54
Cutlery and hand tools, including saws . . . . .	-	101.34	99.79	99.55	99.22	-	2.49	2.47	2.44	2.42
Hardware, n.e.c. . . . .	-	98.98	115.02	112.67	108.32	-	2.45	2.70	2.67	2.61
Heating equipment and plumbing fixtures . . . . .	106.30	105.63	102.03	102.62	105.06	2.58	2.57	2.57	2.54	2.55
Sanitary ware and plumbers' brass goods . . . . .	-	103.46	101.53	102.29	103.20	-	2.58	2.59	2.57	2.58
Heating equipment, except electric . . . . .	-	107.68	102.51	102.66	106.77	-	2.57	2.55	2.51	2.53
Fabricated structural metal products . . . . .	110.68	110.95	110.00	108.36	109.67	2.68	2.68	2.67	2.63	2.63
Fabricated structural steel . . . . .	-	115.08	114.26	110.81	111.87	-	2.74	2.74	2.67	2.67
Metal doors, sash, frames, and trim . . . . .	-	94.37	95.94	93.48	95.68	-	2.33	2.34	2.28	2.30
Fabricated plate work (boiler shops) . . . . .	-	116.90	114.96	113.99	115.23	-	2.79	2.77	2.76	2.75
Sheet metal work . . . . .	-	115.36	113.83	112.48	114.68	-	2.80	2.79	2.75	2.75
Architectural and miscellaneous metal work . . . . .	-	110.02	109.35	108.94	107.83	-	2.69	2.70	2.67	2.63
Screw machine products, bolts, etc. . . . .	115.34	115.61	112.25	107.68	109.13	2.67	2.67	2.66	2.57	2.58
Screw machine products . . . . .	-	109.55	105.84	102.97	103.39	-	2.53	2.52	2.44	2.45
Bolts, nuts, screws, rivets, and washers . . . . .	-	121.24	117.87	111.90	114.48	-	2.80	2.78	2.69	2.70
Metal stampings . . . . .	125.42	114.93	127.90	119.71	120.25	2.91	2.73	2.92	2.81	2.79
Coating, engraving, and allied services . . . . .	98.71	99.60	99.39	96.64	96.74	2.39	2.40	2.43	2.34	2.32
Miscellaneous fabricated wire products . . . . .	103.81	101.02	99.87	97.17	97.41	2.46	2.44	2.43	2.37	2.37
Miscellaneous fabricated metal products . . . . .	110.81	110.68	109.88	104.90	107.53	2.67	2.68	2.68	2.59	2.61
Valves, pipe, and pipe fittings . . . . .	-	113.71	111.92	107.59	109.71	-	2.74	2.71	2.65	2.65
<b>MACHINERY</b> . . . . .	123.11	122.54	120.67	117.88	117.04	2.89	2.89	2.88	2.82	2.80
Engine and turbines . . . . .	127.70	127.70	122.85	127.20	123.93	3.13	3.13	3.11	3.11	3.06
Steam engines and turbines . . . . .	-	141.78	136.45	138.84	134.13	-	3.40	3.32	3.37	3.32
Internal combustion engines, n.e.c. . . . .	-	121.20	117.18	121.58	118.96	-	3.00	3.02	2.98	2.93
Farm machinery and equipment . . . . .	-	119.65	118.78	112.16	113.00	-	2.89	2.89	2.79	2.79
Construction and related machinery . . . . .	121.96	121.09	121.09	117.18	116.90	2.89	2.89	2.89	2.81	2.81
Construction and mining machinery . . . . .	-	119.88	121.66	116.97	117.67	-	2.96	2.96	2.86	2.87
Oil field machinery and equipment . . . . .	-	121.66	120.18	114.59	114.06	-	2.74	2.75	2.69	2.69
Conveyors, hoists, and industrial cranes . . . . .	-	121.37	118.15	118.25	117.23	-	2.79	2.78	2.75	2.72
Metalworking machinery and equipment . . . . .	136.31	135.39	131.89	130.03	128.44	3.07	3.07	3.06	3.01	2.98
Machine tools, metal cutting types . . . . .	-	133.20	130.23	126.73	126.73	-	3.00	2.98	2.92	2.92
Special dies, tools, jigs, and fixtures . . . . .	-	143.86	140.51	142.85	139.67	-	3.24	3.26	3.21	3.16
Machine tool accessories . . . . .	-	121.26	116.18	117.18	113.98	-	2.86	2.82	2.79	2.74
Miscellaneous metalworking machinery . . . . .	-	134.09	131.70	121.51	121.38	-	3.02	3.00	2.90	2.89
Special industry machinery . . . . .	117.78	116.53	115.60	110.99	110.56	2.72	2.71	2.72	2.63	2.62
Food products machinery . . . . .	-	119.85	118.85	114.13	115.37	-	2.84	2.85	2.75	2.76
Textile machinery . . . . .	-	98.87	96.93	94.66	93.83	-	2.31	2.33	2.27	2.25
General industrial machinery . . . . .	123.25	122.25	120.38	117.03	116.62	2.90	2.89	2.88	2.82	2.81
Pumps; air and gas compressors . . . . .	-	119.99	116.90	114.39	113.98	-	2.81	2.81	2.73	2.74
Ball and roller bearings . . . . .	-	123.31	124.20	120.89	118.78	-	2.95	2.95	2.92	2.89
Mechanical power transmission goods . . . . .	-	124.41	120.98	118.58	119.00	-	2.90	2.86	2.81	2.80
Office, computing, and accounting machines . . . . .	123.37	122.36	122.13	119.19	119.19	2.98	2.97	2.95	2.90	2.90
Computing machines and cash registers . . . . .	-	131.24	130.73	126.69	127.10	-	3.17	3.15	3.09	3.10
Service industry machines . . . . .	108.26	107.86	107.71	103.57	104.09	2.66	2.65	2.64	2.57	2.57
Refrigeration, except home refrigerators . . . . .	-	108.00	108.65	103.31	102.91	-	2.66	2.65	2.57	2.56
Miscellaneous machinery . . . . .	115.99	116.53	114.09	111.99	112.46	2.71	2.71	2.71	2.66	2.64
Machine shops, jobbing and repair . . . . .	-	114.65	111.99	111.09	111.54	-	2.66	2.66	2.62	2.60
Machine parts, n.e.c., except electrical . . . . .	-	119.99	117.88	114.40	114.24	-	2.81	2.80	2.75	2.72

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

Table C-2: Gross hours and earnings of production workers, by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>PRIMARY METAL INDUSTRIES</b>	41.5	41.5	42.7	40.7	40.4	-	3.2	4.3	2.5	2.4
Blast furnace and basic steel products	41.1	41.2	42.9	39.2	38.9	-	2.5	4.1	1.2	1.2
Blast furnaces, steel and rolling mills	-	41.0	43.0	39.0	38.7	-	-	-	-	-
Iron and steel foundries	41.7	41.6	42.6	42.1	42.0	-	4.2	4.9	4.2	3.8
Gray iron foundries	-	42.0	42.8	42.3	42.4	-	-	-	-	-
Malleable iron foundries	-	39.8	43.7	42.3	40.4	-	-	-	-	-
Steel foundries	-	41.7	41.7	41.6	41.8	-	-	-	-	-
Nonferrous smelting and refining	41.7	41.8	42.8	41.6	41.6	-	3.5	4.0	2.7	3.1
Nonferrous rolling, drawing and extruding	42.0	41.9	42.9	42.6	42.4	-	3.5	4.5	3.9	3.7
Copper rolling, drawing, and extruding	-	41.4	42.1	42.0	42.1	-	-	-	-	-
Aluminum rolling, drawing, and extruding	-	41.4	42.3	42.5	41.9	-	-	-	-	-
Nonferrous wire drawing and insulating	-	42.7	44.2	43.0	43.1	-	-	-	-	-
Nonferrous foundries	41.0	41.3	41.3	41.3	41.3	-	3.3	3.4	3.1	3.1
Aluminum castings	-	41.3	41.5	41.5	41.6	-	-	-	-	-
Other nonferrous castings	-	41.3	41.2	41.1	41.1	-	-	-	-	-
Miscellaneous primary metal industries	43.0	42.6	42.2	41.9	41.7	-	4.5	4.1	3.5	3.5
Iron and steel forgings	-	42.1	41.7	41.4	41.3	-	-	-	-	-
<b>FABRICATED METAL PRODUCTS</b>	42.0	41.6	41.8	41.5	41.8	-	3.5	3.8	3.2	3.4
Metal cans	42.2	42.1	42.5	42.3	41.6	-	3.2	4.1	3.4	2.9
Cutlery, hand tools, and general hardware	42.1	40.5	41.8	41.7	41.3	-	2.8	3.7	3.5	2.9
Cutlery and hand tools, including saws	-	40.7	40.4	40.8	41.0	-	-	-	-	-
Hardware, n.e.c.	-	40.4	42.6	42.2	41.5	-	-	-	-	-
Heating equipment and plumbing fixtures	41.2	41.1	39.7	40.4	41.2	-	2.8	2.3	2.2	2.6
Sanitary ware and plumbers' brass goods	-	40.1	39.2	39.8	40.0	-	-	-	-	-
Heating equipment, except electric	-	41.9	40.2	40.9	42.2	-	-	-	-	-
Fabricated structural metal products	41.3	41.4	41.2	41.2	41.7	-	3.3	3.5	2.9	3.1
Fabricated structural steel	-	42.0	41.7	41.5	41.9	-	-	-	-	-
Metal doors, sash, frames, and trim	-	40.5	41.0	41.0	41.6	-	-	-	-	-
Fabricated plate work (boiler shops)	-	41.9	41.5	41.3	41.9	-	-	-	-	-
Sheet metal work	-	41.2	40.8	40.9	41.7	-	-	-	-	-
Architectural and miscellaneous metal work	-	40.9	40.5	40.8	41.0	-	-	-	-	-
Screw machine products, bolts, etc.	43.2	43.3	42.2	41.9	42.3	-	4.7	4.0	3.4	3.5
Screw machine products	-	43.3	42.0	42.2	42.2	-	-	-	-	-
Bolts, nuts, screws, rivets, and washers	-	43.3	42.4	41.6	42.4	-	-	-	-	-
Metal stampings	43.1	42.1	43.8	42.6	43.1	-	4.1	5.5	4.1	4.5
Coating, engraving, and allied services	41.3	41.5	40.9	41.3	41.7	-	4.1	3.8	3.8	4.1
Miscellaneous fabricated wire products	42.2	41.4	41.1	41.0	41.1	-	3.5	3.1	3.3	3.3
Miscellaneous fabricated metal products	41.5	41.3	41.0	40.5	41.2	-	2.9	2.9	2.5	2.8
Valves, pipe, and pipe fittings	-	41.5	41.3	40.6	41.4	-	-	-	-	-
<b>MACHINERY</b>	42.6	42.4	41.9	41.8	41.8	-	3.9	3.8	3.4	3.2
Engines and turbines	40.8	40.8	39.5	40.9	40.5	-	3.1	3.1	2.7	2.0
Steam engines and turbines	-	41.7	41.1	41.2	40.4	-	-	-	-	-
Internal combustion engines, n.e.c.	-	40.4	38.8	40.8	40.6	-	-	-	-	-
Farm machinery and equipment	-	41.4	41.1	40.2	40.5	-	2.5	2.5	1.8	2.1
Construction and related machinery	42.2	41.9	41.9	41.7	41.6	-	3.6	3.5	3.0	2.8
Construction and mining machinery	-	40.5	41.1	40.9	41.0	-	-	-	-	-
Oil field machinery and equipment	-	44.4	43.7	42.6	42.4	-	-	-	-	-
Conveyors, hoists, and industrial cranes	-	43.5	42.5	43.0	43.1	-	-	-	-	-
Metalworking machinery and equipment	44.4	44.1	43.1	43.2	43.1	-	5.6	5.1	5.0	4.6
Machine tools, metal cutting types	-	44.4	43.7	43.4	43.4	-	-	-	-	-
Special dies, tools, jigs, and fixtures	-	44.4	43.1	44.5	44.2	-	-	-	-	-
Machine tool accessories	-	42.4	41.2	42.0	41.6	-	-	-	-	-
Miscellaneous metalworking machinery	-	44.4	43.9	41.9	42.0	-	-	-	-	-
Special industry machinery	43.3	43.0	42.5	42.2	42.2	-	4.4	4.1	3.6	3.4
Food products machinery	-	42.2	41.7	41.5	41.8	-	-	-	-	-
Textile machinery	-	42.8	41.6	41.7	41.7	-	-	-	-	-
General industrial machinery	42.5	42.3	41.8	41.5	41.5	-	3.6	3.7	3.1	3.1
Pumps, air and gas compressors	-	42.7	41.6	41.9	41.6	-	-	-	-	-
Ball and roller bearings	-	41.8	42.1	41.4	41.1	-	-	-	-	-
Mechanical power transmission goods	-	42.9	42.3	42.2	42.5	-	-	-	-	-
Office, computing, and accounting machines	41.4	41.2	41.4	41.1	41.1	-	2.5	2.4	2.2	2.1
Computing machines and cash registers	-	41.4	41.5	41.0	41.0	-	-	-	-	-
Service industry machines	40.7	40.7	40.8	40.3	40.5	-	2.4	2.6	1.8	1.8
Refrigeration, except home refrigerators	-	40.6	41.0	40.2	40.2	-	-	-	-	-
Miscellaneous machinery	42.8	43.0	42.1	42.1	42.6	-	4.6	4.4	4.3	4.3
Machine shops, jobbing and repair	-	43.1	42.1	42.4	42.9	-	-	-	-	-
Machine parts, n.e.c., except electrical	-	42.7	42.1	41.6	42.0	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

40

Table C-2: Gross hours and earnings of production workers, by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	\$103.48	\$103.48	\$102.72	\$100.60	\$100.28	\$2.53	\$2.53	\$2.53	\$2.49	\$2.47
Electric distribution equipment . . . . .	113.82	113.55	112.19	109.61	109.33	2.71	2.71	2.71	2.68	2.66
Electric measuring instruments . . . . .	-	99.31	98.15	97.76	98.49	-	2.44	2.46	2.45	2.45
Power and distribution transformers . . . . .	-	117.73	116.06	110.15	107.71	-	2.77	2.77	2.68	2.64
Switchgear and switchboard apparatus . . . . .	-	122.26	120.69	118.56	118.86	-	2.87	2.86	2.85	2.83
Electrical industrial apparatus . . . . .	111.61	111.19	109.67	104.90	105.01	2.67	2.66	2.63	2.59	2.58
Motors and generators . . . . .	-	112.59	110.66	108.53	107.71	-	2.70	2.66	2.66	2.64
Industrial controls . . . . .	-	109.93	107.64	100.50	100.25	-	2.63	2.60	2.50	2.50
Household appliances . . . . .	109.88	110.02	109.21	106.53	108.39	2.68	2.69	2.69	2.65	2.65
Household refrigerators and freezers . . . . .	-	119.95	119.89	113.58	117.33	-	2.94	2.91	2.89	2.89
Household laundry equipment . . . . .	-	113.98	115.79	110.84	114.26	-	2.78	2.79	2.73	2.74
Electric housewares and fans . . . . .	-	95.30	91.96	92.00	90.97	-	2.33	2.34	2.30	2.28
Electric lighting and wiring equipment . . . . .	96.80	95.27	96.24	94.87	94.37	2.39	2.37	2.40	2.36	2.33
Electric lamps . . . . .	-	99.94	98.80	99.23	97.36	-	2.48	2.47	2.45	2.41
Lighting fixtures . . . . .	-	93.22	98.25	95.51	96.05	-	2.36	2.45	2.37	2.36
Wiring devices . . . . .	-	95.06	93.43	91.77	91.30	-	2.33	2.33	2.30	2.26
Radio and TV receiving sets . . . . .	89.33	89.24	87.64	87.02	86.72	2.25	2.22	2.23	2.22	2.19
Communication equipment . . . . .	114.12	115.92	113.71	109.08	108.67	2.77	2.80	2.76	2.68	2.67
Telephone and telegraph apparatus . . . . .	-	120.83	119.43	106.13	107.45	-	2.87	2.81	2.64	2.64
Radio and TV communication equipment . . . . .	-	112.48	110.29	110.43	109.08	-	2.75	2.73	2.70	2.68
Electronic components and accessories . . . . .	86.83	86.83	86.40	84.19	84.40	2.16	2.16	2.16	2.11	2.11
Electron tubes . . . . .	-	100.12	99.29	98.06	98.29	-	2.43	2.41	2.38	2.38
Electronic components, n.e.c. . . . .	-	82.99	82.37	79.79	79.99	-	2.08	2.08	2.02	2.02
Miscellaneous electrical equipment and supplies . . . . .	111.37	107.18	110.43	110.81	109.56	2.69	2.64	2.70	2.67	2.64
Electrical equipment for engines . . . . .	-	110.21	118.08	116.33	113.29	-	2.79	2.88	2.81	2.77
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	134.83	124.75	133.67	132.68	131.52	3.18	3.05	3.16	3.10	3.08
Motor vehicles and equipment . . . . .	(2)	127.51	143.99	142.65	140.04	(2)	3.11	3.28	3.22	3.19
Motor vehicles . . . . .	-	137.99	154.69	152.64	153.97	-	3.27	3.43	3.34	3.34
Passenger car bodies . . . . .	-	105.19	137.20	163.31	147.17	-	3.35	3.33	3.46	3.36
Truck and bus bodies . . . . .	-	102.21	105.71	103.02	104.04	-	2.53	2.61	2.55	2.55
Motor vehicle parts and accessories . . . . .	-	125.66	141.80	136.51	132.18	-	3.08	3.23	3.16	3.11
Aircraft and parts . . . . .	127.20	126.59	125.56	124.20	124.68	3.08	3.08	3.07	3.00	2.99
Aircraft . . . . .	-	124.43	123.72	124.31	124.09	-	3.08	3.07	3.01	2.99
Aircraft engines and engine parts . . . . .	-	129.79	128.23	123.52	124.84	-	3.12	3.12	3.02	3.03
Other aircraft parts and equipment . . . . .	-	127.20	126.12	124.23	125.40	-	3.00	3.01	2.93	2.93
Ship and boat building and repairing . . . . .	119.20	122.01	119.08	123.60	123.30	3.01	3.02	3.03	3.00	3.00
Ship building and repairing . . . . .	-	127.66	124.19	132.51	130.41	-	3.16	3.16	3.17	3.15
Boat building and repairing . . . . .	-	92.40	93.30	87.46	89.72	-	2.31	2.38	2.26	2.26
Railroad equipment . . . . .	-	119.74	122.98	124.53	122.71	-	3.11	3.09	3.09	3.06
Other transportation equipment . . . . .	-	97.16	93.79	89.33	93.60	-	2.33	2.31	2.25	2.25
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	105.47	104.81	104.81	102.91	103.16	2.56	2.55	2.55	2.51	2.51
Engineering and scientific instruments . . . . .	-	120.47	121.60	119.36	120.22	-	2.91	2.93	2.89	2.89
Mechanical measuring and control devices . . . . .	105.78	104.34	104.45	104.65	104.14	2.58	2.57	2.56	2.54	2.54
Mechanical measuring devices . . . . .	-	105.67	105.78	105.83	104.55	-	2.59	2.58	2.55	2.55
Automatic temperature controls . . . . .	-	102.36	102.72	102.16	103.22	-	2.54	2.53	2.51	2.53
Optical and ophthalmic goods . . . . .	95.17	95.82	95.87	94.05	95.37	2.31	2.32	2.31	2.25	2.26
Surgical, medical, and dental equipment . . . . .	89.24	88.44	89.28	87.02	86.62	2.22	2.20	2.21	2.17	2.16
Photographic equipment and supplies . . . . .	(2)	124.39	121.25	118.14	118.14	(2)	2.92	2.88	2.84	2.84
Watches and clocks . . . . .	-	87.05	86.55	81.93	82.78	-	2.16	2.18	2.09	2.08
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	83.62	83.41	81.35	81.59	81.80	2.08	2.08	2.07	2.05	2.04
Jewelry, silverware, and plated ware . . . . .	97.06	95.53	89.02	92.29	92.35	2.30	2.28	2.22	2.24	2.22
Toys, amusement, and sporting goods . . . . .	-	75.03	73.53	73.14	73.68	-	1.89	1.90	1.89	1.87
Toys, games, dolls, and play vehicles . . . . .	-	73.05	71.60	71.41	72.47	-	1.84	1.85	1.85	1.83
Sporting and athletic goods, n.e.c. . . . .	-	79.60	77.99	76.24	76.05	-	2.01	2.01	1.96	1.96
Pens, pencils, office and art materials . . . . .	-	80.40	79.99	78.00	78.76	-	2.00	2.02	1.95	1.94
Costume jewelry, buttons, and notions . . . . .	-	76.81	74.69	75.01	75.76	-	1.93	1.92	1.88	1.88
Other manufacturing industries . . . . .	90.50	89.82	86.70	87.82	88.04	2.24	2.24	2.24	2.19	2.19
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	98.40	97.64	98.53	95.94	94.76	2.40	2.37	2.38	2.34	2.30
Meat products . . . . .	111.19	108.12	105.00	107.95	102.26	2.61	2.55	2.53	2.54	2.47
Meat packing . . . . .	-	129.07	122.83	129.20	120.13	-	2.94	2.89	2.91	2.84
Sausages and other prepared meats . . . . .	-	110.68	113.67	113.05	109.56	-	2.68	2.70	2.66	2.64
Poultry dressing and packing . . . . .	-	61.69	59.75	58.60	59.65	-	1.55	1.54	1.53	1.51

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA  
HOURS AND EARNINGSTable C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Durable Goods--Continued</i>										
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	40.9	40.9	40.6	40.4	40.6	-	2.6	2.6	2.1	2.2
Electric distribution equipment . . . . .	42.0	41.9	41.4	40.9	41.1	-	3.2	3.0	2.4	2.4
Electric measuring instruments . . . . .	-	40.7	39.9	39.9	40.2	-	-	-	-	-
Power and distribution transformers . . . . .	-	42.5	41.9	41.1	40.8	-	-	-	-	-
Switchgear and switchboard apparatus . . . . .	-	42.6	42.2	41.6	42.0	-	-	-	-	-
Electrical industrial apparatus . . . . .	41.8	41.8	41.7	40.5	40.7	-	3.2	3.0	2.4	2.4
Motors and generators . . . . .	-	41.7	41.6	40.8	40.8	-	-	-	-	-
Industrial controls . . . . .	-	41.8	41.4	40.2	40.1	-	-	-	-	-
Household appliances . . . . .	41.0	40.9	40.6	40.2	40.9	-	2.6	2.5	2.1	2.2
Household refrigerators and freezers . . . . .	-	40.8	41.2	39.3	40.6	-	-	-	-	-
Household laundry equipment . . . . .	-	41.0	41.5	40.6	41.7	-	-	-	-	-
Electric housewares and fans . . . . .	-	40.9	39.3	40.0	39.9	-	-	-	-	-
Electric lighting and wiring equipment . . . . .	40.5	40.2	40.1	40.2	40.5	-	2.1	2.5	2.1	2.1
Electric lamps . . . . .	-	40.3	40.0	40.5	40.4	-	-	-	-	-
Lighting fixtures . . . . .	-	39.5	40.1	40.3	40.7	-	-	-	-	-
Wiring devices . . . . .	-	40.8	40.1	39.9	40.4	-	-	-	-	-
Radio and TV receiving sets . . . . .	39.7	40.2	39.3	39.2	39.6	-	2.2	2.0	1.6	2.2
Communication equipment . . . . .	41.2	41.4	41.2	40.7	40.7	-	2.8	2.7	1.9	1.8
Telephone and telegraph apparatus . . . . .	-	42.1	42.5	40.2	40.7	-	-	-	-	-
Radio and TV communication equipment . . . . .	-	40.9	40.4	40.9	40.7	-	-	-	-	-
Electronic components and accessories . . . . .	40.2	40.2	40.0	39.9	40.0	-	2.3	2.3	2.1	2.0
Electron tubes . . . . .	-	41.2	41.2	41.2	41.3	-	-	-	-	-
Electronic components, n.e.c. . . . .	-	39.9	39.6	39.5	39.6	-	-	-	-	-
Miscellaneous electrical equipment and supplies . . . . .	41.4	40.6	40.9	41.5	41.5	-	2.4	3.3	2.8	3.0
Electrical equipment for engines . . . . .	-	39.5	41.0	41.4	40.9	-	-	-	-	-
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	42.4	40.9	42.3	42.8	42.7	-	3.3	4.8	4.6	4.2
Motor vehicles and equipment . . . . .	(2)	41.0	43.9	44.3	43.9	-	4.0	6.4	6.1	5.5
Motor vehicles . . . . .	-	42.2	45.1	45.7	46.1	-	-	-	-	-
Passenger car bodies . . . . .	-	31.4	41.2	47.2	43.8	-	-	-	-	-
Truck and bus bodies . . . . .	-	40.4	40.5	40.4	40.8	-	-	-	-	-
Motor vehicle parts and accessories . . . . .	-	40.8	43.9	43.2	42.5	-	-	-	-	-
Aircraft and parts . . . . .	41.3	41.1	40.9	41.4	41.7	-	2.6	2.6	2.7	2.9
Aircraft . . . . .	-	40.4	40.3	41.3	41.5	-	-	-	-	-
Aircraft engines and engine parts . . . . .	-	41.6	41.1	40.9	41.2	-	-	-	-	-
Other aircraft parts and equipment . . . . .	-	42.4	41.9	42.4	42.8	-	-	-	-	-
Ship and boat building and repairing . . . . .	39.6	40.4	39.3	41.2	41.1	-	2.9	2.9	3.5	3.2
Ship building and repairing . . . . .	-	40.4	39.3	41.8	41.4	-	-	-	-	-
Boat building and repairing . . . . .	-	40.0	39.2	38.7	39.7	-	-	-	-	-
Railroad equipment . . . . .	-	38.5	39.8	40.3	40.1	-	2.0	2.5	2.0	1.8
Other transportation equipment . . . . .	-	41.7	40.6	39.7	41.6	-	3.7	3.5	2.5	3.2
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	41.2	41.1	41.1	41.0	41.1	-	2.8	2.7	2.5	2.7
Engineering and scientific instruments . . . . .	-	41.4	41.5	41.3	41.6	-	2.9	3.1	2.9	2.7
Mechanical measuring and control devices . . . . .	41.0	40.6	40.8	41.2	41.0	-	2.7	2.5	2.7	2.7
Mechanical measuring devices . . . . .	-	40.8	41.0	41.5	41.0	-	-	-	-	-
Automatic temperature controls . . . . .	-	40.3	40.6	40.7	40.8	-	-	-	-	-
Optical and ophthalmic goods . . . . .	41.2	41.3	41.5	41.8	42.2	-	2.7	2.6	2.5	2.8
Surgical, medical, and dental equipment . . . . .	40.2	40.2	40.4	40.1	40.1	-	1.9	2.3	2.1	2.1
Photographic equipment and supplies . . . . .	(2)	42.6	42.1	41.6	41.6	-	4.0	3.4	2.9	3.2
Watches and clocks . . . . .	-	40.3	39.7	39.2	39.8	-	2.3	2.5	1.7	2.2
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	40.2	40.1	39.3	39.8	40.1	-	2.9	2.4	2.5	2.7
Jewelry, silverware, and plated ware . . . . .	42.2	41.9	40.1	41.2	41.6	-	4.7	2.6	4.0	3.9
Toys, amusement, and sporting goods . . . . .	-	39.7	38.7	38.7	39.4	-	2.7	2.4	2.0	2.4
Toys, games, dolls, and play vehicles . . . . .	-	39.7	38.7	38.6	39.6	-	-	-	-	-
Sporting and athletic goods, n.e.c. . . . .	-	39.6	38.8	38.9	38.8	-	-	-	-	-
Pens, pencils, office and art materials . . . . .	-	40.2	39.6	40.0	40.6	-	2.1	2.1	2.0	2.5
Costume jewelry, buttons, and notions . . . . .	-	39.8	38.9	39.9	40.3	-	2.7	2.1	2.5	2.8
Other manufacturing industries . . . . .	40.4	40.1	39.6	40.1	40.2	-	2.7	2.6	2.6	2.7
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	41.0	41.2	41.4	41.0	41.2	-	3.8	4.2	3.5	3.5
Meat products . . . . .	42.6	42.4	41.5	42.5	41.4	-	5.1	4.4	4.9	4.0
Meat packing . . . . .	-	43.9	42.5	44.4	42.3	-	-	-	-	-
Sausages and other prepared meats . . . . .	-	41.3	42.1	42.5	41.5	-	-	-	-	-
Poultry dressing and packing . . . . .	-	39.8	38.8	38.3	39.5	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

42

Table C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Nondurable Goods--Continued</i>										
<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
Dairy products	\$104.58	\$103.66	\$107.75	\$99.66	\$99.07	\$2.49	\$2.48	\$2.50	\$2.39	\$2.37
Ice cream and frozen desserts	-	100.10	105.66	95.59	96.32	-	2.56	2.54	2.42	2.42
Fluid milk	-	109.39	113.18	104.23	103.81	-	2.58	2.59	2.47	2.46
Canned and preserved food, except meats	-	78.78	81.16	71.59	77.62	-	2.02	2.06	1.94	1.98
Canned, cured and frozen sea foods	-	63.08	60.53	61.12	72.40	-	1.90	1.94	1.91	2.00
Canned food, except sea foods	-	83.64	87.78	75.64	80.00	-	2.06	2.11	1.98	2.01
Frozen food, except sea foods	-	73.32	71.23	68.56	72.98	-	1.88	1.85	1.79	1.82
Grain mill products	109.76	110.53	112.24	108.38	108.53	2.45	2.44	2.44	2.43	2.38
Flour and other grain mill products	-	124.96	127.37	122.03	120.32	-	2.67	2.71	2.63	2.61
Prepared feeds for animals and fowls	-	93.69	96.49	90.90	94.25	-	2.05	2.04	2.02	1.98
Bakery products	97.36	98.09	100.61	95.04	94.71	2.44	2.44	2.46	2.37	2.35
Bread, cake, and perishable products	-	99.38	102.34	97.20	95.91	-	2.46	2.49	2.40	2.38
Biscuit, crackers, and pretzels	-	92.83	94.24	87.91	90.63	-	2.35	2.35	2.26	2.26
Sugar	-	100.67	113.71	98.12	97.16	-	2.42	2.74	2.21	2.27
Confectionery and related products	82.19	81.60	81.59	77.81	80.19	2.06	2.04	2.05	1.96	1.98
Candy and other confectionery products	-	78.20	77.42	73.68	76.17	-	1.96	1.96	1.87	1.89
Beverages	109.45	108.53	111.93	107.20	108.26	2.75	2.72	2.73	2.68	2.66
Malt liquors	-	134.37	138.34	135.49	132.65	-	3.49	3.52	3.43	3.41
Bottled and canned soft drinks	-	77.39	85.10	75.39	78.81	-	1.93	1.97	1.88	1.89
Miscellaneous food and kindred products	96.48	97.41	97.58	96.56	95.05	2.27	2.26	2.28	2.23	2.19
<b>TOBACCO MANUFACTURES</b>	75.08	73.35	73.10	73.71	71.68	1.95	1.82	1.86	1.89	1.81
Cigarettes	-	92.67	92.12	96.82	89.55	-	2.37	2.35	2.35	2.32
Cigars	-	63.41	60.76	63.18	63.73	-	1.66	1.66	1.62	1.63
<b>TEXTILE MILL PRODUCTS</b>	76.68	75.89	71.82	72.28	71.04	1.83	1.82	1.80	1.75	1.72
Cotton broad woven fabrics	79.67	78.14	72.90	73.35	69.97	1.84	1.83	1.80	1.73	1.67
Silk and synthetic broad woven fabrics	82.53	82.53	79.10	78.84	75.52	1.88	1.88	1.87	1.80	1.74
Weaving and finishing broad woollens	77.93	78.85	74.86	71.94	73.71	1.91	1.90	1.90	1.84	1.82
Narrow fabrics and smallwares	75.40	73.89	72.62	72.51	72.10	1.83	1.82	1.82	1.76	1.75
Knitting	67.77	67.60	63.92	64.30	65.30	1.72	1.72	1.70	1.67	1.67
Full-fashioned hosiery	-	64.18	61.15	61.88	63.73	-	1.68	1.68	1.62	1.63
Seamless hosiery	-	65.01	60.31	61.37	61.69	-	1.65	1.63	1.59	1.59
Knit outerwear	-	69.66	66.23	66.20	68.35	-	1.80	1.79	1.77	1.78
Knit underwear	-	63.69	61.18	60.04	61.30	-	1.65	1.61	1.58	1.58
Finishing textiles, except wool and knit	85.40	83.78	77.61	83.76	80.51	2.00	1.99	1.95	1.93	1.89
Floor covering	-	80.15	77.41	78.74	77.58	-	1.83	1.83	1.81	1.80
Yarn and thread	70.90	69.81	66.00	66.08	64.94	1.68	1.67	1.65	1.60	1.58
Miscellaneous textile goods	84.87	85.28	85.08	82.78	82.96	2.05	2.05	2.06	1.99	1.98
<b>APPAREL AND RELATED PRODUCTS</b>	65.16	64.80	63.00	63.01	64.61	1.80	1.80	1.80	1.76	1.78
Men's and boys' suits and coats	76.02	75.47	74.55	76.59	77.38	2.10	2.12	2.10	2.11	2.12
Men's and boys' furnishings	58.21	57.13	55.90	54.96	55.87	1.54	1.54	1.54	1.51	1.51
Men's and boys' shirts and nightwear	-	56.47	55.63	54.91	55.35	-	1.51	1.52	1.48	1.48
Men's and boys' separate trousers	-	55.80	55.96	53.70	54.77	-	1.55	1.55	1.53	1.53
Work clothing	-	55.73	53.19	53.51	53.87	-	1.49	1.49	1.47	1.46
Women's, misses', and juniors' outerwear	66.47	67.54	64.52	64.08	67.52	1.99	2.01	2.01	1.93	1.98
Women's blouses, waists, and shirts	-	57.44	54.12	57.73	56.51	-	1.66	1.65	1.64	1.61
Women's, misses', and juniors' dresses	-	66.13	63.44	63.56	66.66	-	2.06	2.04	1.98	2.02
Women's suits, skirts, and coats	-	81.84	76.88	73.92	81.40	-	2.40	2.41	2.31	2.38
Women's and misses' outerwear, n.e.c.	-	60.62	57.95	59.01	59.13	-	1.67	1.67	1.63	1.62
Women's and children's undergarments	62.21	61.66	59.17	60.00	60.74	1.65	1.64	1.63	1.60	1.59
Women's and children's underwear	-	59.57	56.68	58.06	58.75	-	1.58	1.57	1.54	1.53
Corsets and allied garments	-	66.20	64.40	64.18	65.05	-	1.77	1.75	1.73	1.73
Hats, caps, and millinery	-	68.76	66.43	63.72	66.74	-	1.91	1.92	1.80	1.88
Girls' and children's outerwear	57.89	59.07	55.10	56.25	57.72	1.64	1.65	1.64	1.58	1.59
Children's dresses, blouses, and shirts	-	59.40	53.79	56.92	57.72	-	1.65	1.63	1.59	1.59
Fur goods and miscellaneous apparel	-	71.05	66.40	69.73	69.37	-	1.91	1.86	1.90	1.88
Miscellaneous fabricated textile products	70.84	68.11	72.00	70.59	70.23	1.84	1.76	1.88	1.81	1.81
Housefurnishings	-	63.90	61.24	61.37	61.69	-	1.63	1.62	1.59	1.59
<b>PAPER AND ALLIED PRODUCTS</b>	110.17	111.89	112.06	107.43	108.43	2.58	2.59	2.60	2.51	2.51
Paper and pulp	121.39	123.36	125.65	119.41	119.51	2.81	2.81	2.83	2.72	2.71
Paperboard	120.98	126.66	128.86	120.12	121.76	2.82	2.84	2.87	2.73	2.73
Converted paper and paperboard products	97.58	97.63	97.58	95.49	95.76	2.34	2.33	2.34	2.29	2.28
Bags, except textile bags	-	91.49	92.80	88.38	90.72	-	2.21	2.22	2.14	2.16
Paperboard containers and boxes	103.33	103.82	102.55	98.05	100.11	2.42	2.42	2.43	2.34	2.35
Folding and setup paperboard boxes	-	91.94	89.73	88.60	89.02	-	2.21	2.21	2.14	2.14
Corrugated and solid fiber boxes	-	115.58	112.75	107.07	110.94	-	2.58	2.58	2.49	2.51

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

Table C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Nondurable Goods--Continued</i>										
<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
Dairy products . . . . .	42.0	41.8	43.1	41.7	41.8	-	3.2	4.0	2.6	2.7
Ice cream and frozen desserts . . . . .	-	39.1	41.6	39.5	39.8	-	-	-	-	-
Fluid milk . . . . .	-	42.4	43.7	42.2	42.2	-	-	-	-	-
Canned and preserved food, except meats . . . . .	-	39.0	39.4	36.9	39.2	-	2.8	3.7	1.8	2.5
Canned, cured and frozen sea foods . . . . .	-	33.2	31.2	32.0	36.2	-	-	-	-	-
Canned food, except sea foods . . . . .	-	40.6	41.6	38.2	39.8	-	-	-	-	-
Frozen food, except sea foods . . . . .	-	39.0	38.5	38.3	40.1	-	-	-	-	-
Grain mill products . . . . .	44.8	45.3	46.0	44.6	45.6	-	6.9	7.7	6.2	7.5
Flour and other grain mill products . . . . .	-	46.8	47.0	46.4	46.1	-	-	-	-	-
Prepared feeds for animals and fowls . . . . .	-	45.7	47.3	45.0	47.6	-	-	-	-	-
Bakery products . . . . .	39.9	40.2	40.9	40.1	40.3	-	3.0	3.7	2.9	3.0
Bread, cake, and perishable products . . . . .	-	40.4	41.1	40.5	40.3	-	-	-	-	-
Biscuit, crackers, and pretzels . . . . .	-	39.5	40.1	38.9	40.1	-	-	-	-	-
Sugar . . . . .	-	41.6	41.5	44.4	42.8	-	4.0	4.7	3.3	4.4
Confectionery and related products . . . . .	39.9	40.0	39.8	39.7	40.5	-	2.6	2.7	2.7	2.9
Candy and other confectionery products . . . . .	-	39.9	39.5	39.4	40.3	-	-	-	-	-
Beverages . . . . .	39.8	39.9	41.0	40.0	40.7	-	2.8	3.6	2.9	3.2
Malt liquors . . . . .	-	38.5	39.3	39.5	38.9	-	-	-	-	-
Bottled and canned soft drinks . . . . .	-	40.1	43.2	40.1	41.7	-	-	-	-	-
Miscellaneous food and kindred products . . . . .	42.5	43.1	42.8	43.3	43.4	-	4.5	4.3	4.2	4.1
<b>TOBACCO MANUFACTURES . . . . .</b>										
Cigarettes . . . . .	38.5	40.3	39.3	39.0	39.6	-	1.5	1.7	1.4	1.1
Cigars . . . . .	-	39.1	39.2	41.2	38.6	-	1.7	1.2	1.6	.8
Cigars . . . . .	-	38.2	36.6	39.0	39.1	-	1.5	1.8	1.7	1.8
<b>TEXTILE MILL PRODUCTS . . . . .</b>										
Cotton broad woven fabrics . . . . .	41.9	41.7	39.9	41.3	41.3	-	4.0	3.9	3.7	3.6
Silk and synthetic broad woven fabrics . . . . .	43.3	42.7	40.5	42.4	41.9	-	4.6	5.1	4.3	4.0
Weaving and finishing broad wooleens . . . . .	43.9	43.9	42.3	43.8	43.4	-	5.3	6.0	5.2	4.7
Narrow fabrics and smallwares . . . . .	40.8	41.5	39.4	39.1	40.5	-	3.5	3.3	2.4	2.9
Knitting . . . . .	41.2	40.6	39.9	41.2	41.2	-	3.7	2.7	3.4	3.3
Full-fashioned hosiery . . . . .	39.4	39.3	37.6	38.5	39.1	-	2.7	2.0	2.2	2.4
Seamless hosiery . . . . .	-	38.2	36.4	38.2	39.1	-	-	-	-	-
Knit underwear . . . . .	-	39.4	37.0	38.6	38.8	-	-	-	-	-
Knit underwear . . . . .	-	38.7	37.0	37.4	38.4	-	-	-	-	-
Finishing textiles, except wool and knit . . . . .	-	38.6	38.0	38.0	38.8	-	-	-	-	-
Floor covering . . . . .	42.7	42.1	39.8	43.4	42.6	-	4.2	3.9	4.7	4.3
Yarn and thread . . . . .	-	43.8	42.3	43.5	43.1	-	5.6	5.3	5.0	5.1
Miscellaneous textile goods . . . . .	42.2	41.8	40.0	41.3	41.1	-	4.1	3.9	3.6	3.4
Miscellaneous textile goods . . . . .	41.4	41.6	41.3	41.6	41.9	-	3.7	3.5	3.8	4.0
<b>APPAREL AND RELATED PRODUCTS . . . . .</b>										
Men's and boys' suits and coats . . . . .	36.2	36.0	35.0	35.8	36.3	-	1.3	1.2	1.2	1.4
Men's and boys' furnishings . . . . .	36.2	35.6	35.5	36.3	36.5	-	1.2	.9	.9	1.0
Men's and boys' shirts and nightwear . . . . .	37.8	37.1	36.3	36.4	37.0	-	1.1	1.0	.9	1.1
Men's and boys' separate trousers . . . . .	-	37.4	36.6	37.1	37.4	-	-	-	-	-
Men's and boys' separate trousers . . . . .	-	36.0	36.1	35.1	35.8	-	-	-	-	-
Work clothing . . . . .	-	37.4	35.7	36.4	36.9	-	-	-	-	-
Women's, misses', and juniors' outerwear . . . . .	33.4	33.6	32.1	33.2	34.1	-	1.1	.9	1.1	1.3
Women's blouses, waists, and shirts . . . . .	-	34.6	32.8	35.2	35.1	-	-	-	-	-
Women's, misses', and juniors' dresses . . . . .	-	32.1	31.1	32.1	33.0	-	-	-	-	-
Women's suits, skirts, and coats . . . . .	-	34.1	31.9	32.0	34.2	-	-	-	-	-
Women's and misses' outerwear, n.e.c. . . . .	-	36.3	34.7	36.2	36.5	-	-	-	-	-
Women's and children's undergarments . . . . .	37.7	37.6	36.3	37.5	38.2	-	1.9	1.9	1.8	2.0
Women's and children's underwear . . . . .	-	37.7	36.1	37.7	38.4	-	-	-	-	-
Corsets and allied garments . . . . .	-	37.4	36.8	37.1	37.6	-	-	-	-	-
Hats, caps, and millinery . . . . .	-	36.0	34.6	35.4	35.5	-	1.3	1.1	1.0	1.4
Girls' and children's outerwear . . . . .	35.3	35.8	33.6	35.6	36.3	-	1.1	.8	1.2	1.2
Children's dresses, blouses, and shirts . . . . .	-	36.0	33.0	35.8	36.3	-	-	-	-	-
Fur goods and miscellaneous apparel . . . . .	-	37.2	35.7	36.7	36.9	-	1.8	1.0	1.5	1.6
Miscellaneous fabricated textile products . . . . .	38.5	38.7	38.3	39.0	38.8	-	2.1	2.3	2.1	2.1
Housefurnishings . . . . .	-	39.2	37.8	38.6	38.8	-	-	-	-	-
<b>PAPER AND ALLIED PRODUCTS . . . . .</b>										
Paper and pulp . . . . .	42.7	43.2	43.1	42.8	43.2	-	5.2	5.3	4.6	4.8
Paperboard . . . . .	43.2	43.9	44.4	43.9	44.1	-	5.8	6.3	5.5	5.5
Converted paper and paperboard products . . . . .	42.9	44.6	44.9	44.0	44.6	-	6.3	7.4	5.9	6.2
Bags, except textile bags . . . . .	41.7	41.9	41.7	41.7	42.0	-	3.7	3.6	3.3	3.4
Paperboard containers and boxes . . . . .	-	41.4	41.8	41.3	42.0	-	-	-	-	-
Folding and setup paperboard boxes . . . . .	42.7	42.9	42.2	41.9	42.6	-	5.1	4.8	3.9	4.4
Corrugated and solid fiber boxes . . . . .	-	41.6	40.6	41.4	41.6	-	-	-	-	-
Corrugated and solid fiber boxes . . . . .	-	44.8	43.7	43.0	44.2	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.



# ESTABLISHMENT DATA HOURS AND EARNINGS

44

Table C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Nondurable Goods--Continued</i>										
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES . . . . .</b>	<b>\$114.82</b>	<b>\$116.10</b>	<b>\$116.10</b>	<b>\$111.16</b>	<b>\$111.74</b>	<b>\$2.99</b>	<b>\$3.00</b>	<b>\$3.00</b>	<b>\$2.91</b>	<b>\$2.91</b>
Newspaper publishing and printing . . . . .	117.98	118.63	120.01	114.98	114.71	3.25	3.25	3.27	3.15	3.16
Periodical publishing and printing . . . . .	-	127.72	128.24	116.11	117.79	-	3.10	3.09	2.91	2.93
Books . . . . .	-	107.60	109.33	101.27	104.66	-	2.67	2.66	2.59	2.61
Commercial printing . . . . .	116.13	118.70	118.50	112.81	113.68	2.97	2.99	3.00	2.90	2.90
Commercial printing, except lithographic . . . . .	-	117.12	116.42	110.97	111.54	-	2.95	2.97	2.86	2.86
Commercial printing, lithographic . . . . .	-	122.49	124.93	117.60	119.60	-	3.07	3.10	3.00	2.99
Bookbinding and related industries . . . . .	90.56	90.79	88.70	88.46	88.17	2.34	2.34	2.31	2.28	2.29
Other publishing and printing industries . . . . .	115.80	115.58	115.58	113.28	113.87	3.00	3.01	3.01	2.95	2.95
<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	<b>118.01</b>	<b>117.45</b>	<b>120.41</b>	<b>114.13</b>	<b>114.13</b>	<b>2.83</b>	<b>2.83</b>	<b>2.86</b>	<b>2.75</b>	<b>2.75</b>
Industrial chemicals . . . . .	133.02	132.07	136.95	129.27	129.38	3.19	3.19	3.23	3.10	3.11
Plastics and synthetics, except glass . . . . .	119.13	117.74	121.95	113.57	112.88	2.79	2.79	2.81	2.73	2.72
Plastics and synthetics, except fibers . . . . .	-	127.71	131.24	121.67	120.67	-	2.97	3.01	2.89	2.88
Synthetic fibers . . . . .	-	106.34	110.42	102.59	102.84	-	2.55	2.55	2.49	2.49
Drugs . . . . .	104.49	104.23	103.83	100.60	101.18	2.58	2.58	2.57	2.49	2.48
Pharmaceutical preparations . . . . .	-	99.65	99.10	97.20	96.40	-	2.51	2.49	2.43	2.41
Soap, cleaners, and toilet goods . . . . .	107.06	108.14	110.03	106.86	106.60	2.69	2.67	2.71	2.60	2.60
Soap and detergents . . . . .	-	132.70	136.95	127.71	129.89	-	3.19	3.23	3.07	3.10
Toilet preparations . . . . .	-	87.69	86.40	88.54	86.67	-	2.22	2.25	2.17	2.14
Paints, varnishes, and allied products . . . . .	108.65	109.06	110.54	105.67	106.71	2.65	2.66	2.67	2.59	2.59
Agricultural chemicals . . . . .	94.95	95.57	96.60	93.26	93.29	2.25	2.27	2.30	2.21	2.19
Fertilizers, complete and mixing only . . . . .	-	91.36	93.24	90.10	89.88	-	2.17	2.22	2.12	2.10
Other chemical products . . . . .	117.12	114.09	115.06	110.88	109.41	2.73	2.71	2.72	2.64	2.63
<b>PETROLEUM REFINING AND RELATED INDUSTRIES . . . . .</b>	<b>134.05</b>	<b>133.44</b>	<b>140.51</b>	<b>132.39</b>	<b>131.77</b>	<b>3.23</b>	<b>3.20</b>	<b>3.26</b>	<b>3.19</b>	<b>3.16</b>
Petroleum refining . . . . .	139.47	138.58	146.63	139.44	136.53	3.41	3.38	3.45	3.36	3.33
Other petroleum and coal products . . . . .	113.97	115.80	118.88	105.66	114.04	2.62	2.62	2.63	2.54	2.58
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS . . . . .</b>	<b>106.91</b>	<b>106.50</b>	<b>108.26</b>	<b>102.50</b>	<b>101.52</b>	<b>2.57</b>	<b>2.56</b>	<b>2.59</b>	<b>2.50</b>	<b>2.47</b>
Tires and inner tubes . . . . .	149.02	151.55	154.50	137.53	134.06	3.49	3.50	3.56	3.33	3.31
Other rubber products . . . . .	101.18	99.96	101.93	98.49	98.81	2.48	2.45	2.48	2.42	2.41
Miscellaneous plastic products . . . . .	90.91	89.86	90.49	88.17	87.77	2.18	2.16	2.17	2.14	2.12
<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	<b>69.92</b>	<b>68.82</b>	<b>68.45</b>	<b>66.77</b>	<b>67.66</b>	<b>1.84</b>	<b>1.84</b>	<b>1.84</b>	<b>1.79</b>	<b>1.79</b>
Leather tanning and finishing . . . . .	95.41	94.83	95.76	92.57	93.52	2.35	2.33	2.33	2.28	2.27
Foot wear, except rubber . . . . .	66.75	64.97	65.87	63.51	64.21	1.78	1.78	1.79	1.74	1.74
Other leather products . . . . .	68.74	69.09	64.94	66.29	68.03	1.79	1.79	1.76	1.74	1.74
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>										
<b>RAILROAD TRANSPORTATION:</b>										
Class I railroads . . . . .	-	(2)	(2)	118.71	120.01	-	(2)	(2)	2.78	2.74
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
Local and suburban transportation . . . . .	-	105.42	104.92	102.83	102.24	-	2.51	2.51	2.46	2.44
Intercity and rural bus lines . . . . .	-	128.27	134.55	123.81	126.44	-	2.99	3.01	2.92	2.90
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .</b>	<b>-</b>	<b>124.66</b>	<b>124.07</b>	<b>117.29</b>	<b>119.85</b>	<b>-</b>	<b>2.94</b>	<b>2.94</b>	<b>2.84</b>	<b>2.84</b>
<b>PIPELINE TRANSPORTATION . . . . .</b>	<b>-</b>	<b>144.14</b>	<b>143.44</b>	<b>139.47</b>	<b>136.49</b>	<b>-</b>	<b>3.49</b>	<b>3.49</b>	<b>3.41</b>	<b>3.37</b>
<b>COMMUNICATION:</b>										
Telephone communication . . . . .	-	108.24	109.10	106.08	105.04	-	2.64	2.61	2.60	2.60
Switchboard operating employees <sup>3</sup> . . . . .	-	81.86	84.59	82.08	80.73	-	2.16	2.12	2.11	2.13
Line construction employees <sup>4</sup> . . . . .	-	155.02	156.98	151.18	149.40	-	3.37	3.34	3.33	3.32
Telegraph communication <sup>5</sup> . . . . .	-	118.02	121.72	111.90	112.17	-	2.79	2.76	2.69	2.69
Radio and television broadcasting . . . . .	-	143.68	144.40	134.85	137.07	-	3.61	3.61	3.44	3.47
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	<b>-</b>	<b>127.93</b>	<b>126.90</b>	<b>123.79</b>	<b>123.37</b>	<b>-</b>	<b>3.09</b>	<b>3.08</b>	<b>2.99</b>	<b>2.98</b>
Electric companies and systems . . . . .	-	129.27	129.90	123.41	123.60	-	3.13	3.13	3.01	3.00
Gas companies and systems . . . . .	-	121.35	118.08	117.16	115.36	-	2.91	2.88	2.83	2.80
Combined utility systems . . . . .	-	137.69	136.53	135.34	134.37	-	3.35	3.33	3.23	3.23
Water, steam, and sanitary systems . . . . .	-	101.02	102.17	100.26	100.14	-	2.44	2.45	2.41	2.39

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA  
HOURS AND EARNINGSTable C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<i>Nondurable Goods--Continued</i>										
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES . . . .</b>	38.4	38.7	38.7	38.2	38.4	-	3.2	3.2	2.7	2.9
Newspaper publishing and printing . . . . .	36.3	36.5	36.7	36.5	36.3	-	2.7	2.5	2.4	2.6
Periodical publishing and printing . . . . .	-	41.2	41.5	39.9	40.2	-	5.3	5.3	3.6	4.0
Books . . . . .	-	40.3	41.1	39.1	40.1	-	3.8	4.3	2.7	3.3
Commercial printing . . . . .	39.1	39.7	39.5	38.9	39.2	-	3.5	3.6	2.9	3.1
Commercial printing, except lithographic . . . . .	-	39.7	39.2	38.8	39.0	-	-	-	-	-
Commercial printing, lithographic . . . . .	-	39.9	40.3	39.2	40.0	-	-	-	-	-
Bookbinding and related industries . . . . .	38.7	38.8	38.4	38.8	38.5	-	2.7	2.4	2.5	2.3
Other publishing and printing industries . . . . .	38.6	38.4	38.4	38.4	38.6	-	2.4	2.8	2.4	2.5
<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	41.7	41.5	42.1	41.5	41.5	-	2.8	3.2	2.4	2.5
Industrial chemicals . . . . .	41.7	41.4	42.4	41.7	41.6	-	2.7	3.3	2.4	2.5
Plastics and synthetics, except glass . . . . .	42.7	42.2	43.4	41.6	41.5	-	3.0	3.4	2.1	2.2
Plastics and synthetics, except fibers . . . . .	-	43.0	43.6	42.1	41.9	-	-	-	-	-
Synthetic fibers . . . . .	-	41.7	43.3	41.2	41.3	-	-	-	-	-
Drugs . . . . .	40.5	40.4	40.4	40.4	40.8	-	2.3	2.1	2.0	2.2
Pharmaceutical preparations . . . . .	-	39.7	39.8	40.0	40.0	-	-	-	-	-
Soap, cleaners, and toilet goods . . . . .	39.8	40.5	40.6	41.1	41.0	-	2.7	3.2	2.5	2.7
Soap and detergents . . . . .	-	41.6	42.4	41.6	41.9	-	-	-	-	-
Toilet preparations . . . . .	-	39.5	38.4	40.8	40.5	-	-	-	-	-
Paints, varnishes, and allied products . . . . .	41.0	41.0	41.4	40.8	41.2	-	2.3	2.9	1.9	2.4
Agricultural chemicals . . . . .	42.2	42.1	42.0	42.2	42.6	-	3.3	3.4	3.5	3.8
Fertilizers, complete and mixing only . . . . .	-	42.1	42.0	42.5	42.8	-	-	-	-	-
Other chemical products . . . . .	42.9	42.1	42.3	42.0	41.6	-	3.1	3.6	2.8	2.8
<b>PETROLEUM REFINING AND RELATED INDUSTRIES . . . .</b>	41.5	41.7	43.1	41.5	41.7	-	2.5	3.3	2.3	2.5
Petroleum refining . . . . .	40.9	41.0	42.5	41.5	41.0	-	1.6	2.4	1.9	1.7
Other petroleum and coal products . . . . .	43.5	44.2	45.2	41.6	44.2	-	5.7	6.4	3.7	5.5
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS . . . .</b>	41.6	41.6	41.8	41.0	41.1	-	4.0	4.2	3.2	3.2
Tires and inner tubes . . . . .	42.7	43.3	43.4	41.3	40.5	-	5.8	6.1	3.7	3.5
Other rubber products . . . . .	40.8	40.8	41.1	40.7	41.0	-	3.0	3.3	2.8	2.9
Miscellaneous plastic products . . . . .	41.7	41.6	41.7	41.2	41.4	-	4.0	4.1	3.3	3.5
<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	38.0	37.4	37.2	37.3	37.8	-	1.7	1.7	1.5	1.7
Leather tanning and finishing . . . . .	40.6	40.7	41.1	40.6	41.2	-	3.1	2.9	2.9	3.2
Foot wear, except rubber . . . . .	37.5	36.5	36.8	36.5	36.9	-	1.3	1.5	1.1	1.2
Other leather products . . . . .	38.4	38.6	36.9	38.1	39.1	-	2.3	1.8	1.9	2.4
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>	-	-	-	-	-	-	-	-	-	-
<b>RAILROAD TRANSPORTATION:</b>	-	-	-	-	-	-	-	-	-	-
Class I railroads . . . . .	-	(2)	(2)	42.7	43.8	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>	-	-	-	-	-	-	-	-	-	-
Local and suburban transportation . . . . .	-	42.0	41.8	41.8	41.9	-	-	-	-	-
Intercity and rural bus lines . . . . .	-	42.9	44.7	42.4	43.6	-	-	-	-	-
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . .</b>	-	42.4	42.2	41.3	42.2	-	-	-	-	-
<b>PIPELINE TRANSPORTATION . . . . .</b>	-	41.3	41.1	40.9	40.5	-	-	-	-	-
<b>COMMUNICATION:</b>	-	-	-	-	-	-	-	-	-	-
Telephone communication . . . . .	-	41.0	41.8	40.8	40.4	-	-	-	-	-
Switchboard operating employees <sup>3</sup> . . . . .	-	37.9	39.9	38.9	37.9	-	-	-	-	-
Line construction employees <sup>4</sup> . . . . .	-	46.0	47.0	45.4	45.0	-	-	-	-	-
Telegraph communication <sup>5</sup> . . . . .	-	42.3	44.1	41.6	41.7	-	-	-	-	-
Radio and television broadcasting . . . . .	-	39.8	40.0	39.2	39.5	-	-	-	-	-
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	-	41.4	41.2	41.4	41.4	-	-	-	-	-
Electric companies and systems . . . . .	-	41.3	41.5	41.0	41.2	-	-	-	-	-
Gas companies and systems . . . . .	-	41.7	41.0	41.4	41.2	-	-	-	-	-
Combined utility systems . . . . .	-	41.1	41.0	41.9	41.6	-	-	-	-	-
Water, steam, and sanitary systems . . . . .	-	41.4	41.7	41.6	41.9	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

46

Table C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>WHOLESALE AND RETAIL TRADE<sup>6</sup></b> .....	-	\$80.22	\$80.43	\$77.55	\$77.95	-	\$2.10	\$2.10	\$2.03	\$2.03
<b>WHOLESALE TRADE</b> .....	-	102.97	103.12	100.69	100.94	-	2.53	2.54	2.48	2.48
Motor vehicles and automotive equipment .....	-	97.86	97.44	96.14	96.33	-	2.33	2.32	2.30	2.31
Drugs, chemicals, and allied products .....	-	106.78	106.23	102.66	102.66	-	2.63	2.61	2.56	2.56
Dry goods and apparel .....	-	96.49	97.54	93.00	94.12	-	2.58	2.56	2.48	2.49
Groceries and related products .....	-	97.06	98.59	94.62	93.98	-	2.35	2.37	2.28	2.27
Electrical goods .....	-	113.70	111.50	106.52	105.04	-	2.78	2.76	2.63	2.60
Hardware, plumbing, and heating goods .....	-	99.06	98.74	97.03	96.39	-	2.44	2.45	2.39	2.38
Machinery, equipment, and supplies .....	-	112.89	112.34	109.34	110.97	-	2.74	2.74	2.68	2.70
<b>RETAIL TRADE<sup>6</sup></b> .....	-	70.12	70.50	68.26	68.44	-	1.89	1.89	1.83	1.83
General merchandise stores .....	-	56.95	57.63	54.06	54.88	-	1.68	1.69	1.59	1.60
Department stores .....	-	61.12	62.35	57.94	59.31	-	1.83	1.85	1.74	1.76
Limited price variety stores .....	-	42.34	42.08	39.88	39.68	-	1.34	1.34	1.25	1.24
Food stores .....	-	68.06	69.60	66.59	66.43	-	1.99	2.00	1.93	1.92
Grocery, meat, and vegetable stores .....	-	69.08	70.85	67.82	67.82	-	2.02	2.03	1.96	1.96
Apparel and accessories stores .....	-	55.61	55.94	54.42	53.92	-	1.66	1.66	1.61	1.60
Men's and boys' apparel stores .....	-	68.06	67.71	66.61	66.24	-	1.88	1.84	1.82	1.80
Women's ready-to-wear stores .....	-	50.13	49.62	48.29	48.43	-	1.51	1.49	1.45	1.45
Family clothing stores .....	-	54.28	54.62	54.19	52.21	-	1.64	1.65	1.58	1.54
Shoe stores .....	-	54.50	57.10	54.21	55.01	-	1.73	1.79	1.71	1.73
Furniture and appliance stores .....	-	86.22	86.00	84.66	83.43	-	2.15	2.15	2.08	2.06
Other retail trade .....	-	80.97	80.36	78.91	78.69	-	1.97	1.96	1.92	1.91
Motor vehicle dealers .....	-	99.65	98.10	98.97	97.89	-	2.27	2.25	2.27	2.24
Other vehicle and accessory dealers .....	-	85.02	84.97	82.16	82.16	-	1.95	1.94	1.88	1.88
Drug stores .....	-	59.95	61.35	59.37	58.32	-	1.67	1.69	1.64	1.62
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>										
Banking .....	-	77.00	76.43	75.72	75.35	-	2.07	2.06	2.03	2.02
Security dealers and exchanges <sup>7</sup> .....	-	121.27	116.72	128.13	126.92	-	-	-	-	-
Insurance carriers <sup>7</sup> .....	-	92.52	92.15	96.79	96.72	-	-	-	-	-
Life insurance <sup>7</sup> .....	-	92.76	92.61	102.14	102.14	-	-	-	-	-
Accident and health insurance <sup>7</sup> .....	-	81.61	80.63	82.84	83.04	-	-	-	-	-
Fire, marine, and casualty insurance <sup>7</sup> .....	-	94.81	94.23	92.63	92.37	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS:</b>										
Hotels and lodging places:										
Hotels, tourist courts, and motels <sup>8</sup> .....	-	49.66	48.26	48.11	48.09	-	1.30	1.27	1.24	1.23
Personal services:										
Laundries, cleaning and dyeing plants <sup>9</sup> .....	-	57.48	56.21	51.99	51.87	-	1.47	1.46	1.34	1.33
Motion pictures:										
Motion picture filming and distributing .....	-	140.88	130.79	134.16	140.68	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

Table C-2: Gross hours and earnings of production workers<sup>1</sup> by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>WHOLESALE AND RETAIL TRADE<sup>4</sup></b> .....	-	38.2	38.3	38.2	38.4	-	-	-	-	-
<b>WHOLESALE TRADE</b> .....	-	40.7	40.6	40.6	40.7	-	-	-	-	-
Motor vehicles and automotive equipment .....	-	42.0	42.0	41.8	41.7	-	-	-	-	-
Drugs, chemicals, and allied products .....	-	40.6	40.7	40.1	40.1	-	-	-	-	-
Dry goods and apparel .....	-	37.4	38.1	37.5	37.8	-	-	-	-	-
Groceries and related products .....	-	41.3	41.6	41.5	41.4	-	-	-	-	-
Electrical goods .....	-	40.9	40.4	40.5	40.4	-	-	-	-	-
Hardware, plumbing, and heating goods .....	-	40.6	40.3	40.6	40.5	-	-	-	-	-
Machinery, equipment, and supplies .....	-	41.2	41.0	40.8	41.1	-	-	-	-	-
<b>RETAIL TRADE<sup>4</sup></b> .....	-	37.1	37.3	37.3	37.4	-	-	-	-	-
General merchandise stores .....	-	33.9	34.1	34.0	34.3	-	-	-	-	-
Department stores .....	-	33.4	33.7	33.3	33.7	-	-	-	-	-
Limited price variety stores .....	-	31.6	31.4	31.9	32.0	-	-	-	-	-
Food stores .....	-	34.2	34.8	34.5	34.6	-	-	-	-	-
Grocery, meat, and vegetable stores .....	-	34.2	34.9	34.6	34.6	-	-	-	-	-
Apparel and accessories stores .....	-	33.5	33.7	33.8	33.7	-	-	-	-	-
Men's and boys' apparel stores .....	-	36.2	36.8	36.6	36.8	-	-	-	-	-
Women's ready-to-wear stores .....	-	33.2	33.3	33.3	33.4	-	-	-	-	-
Family clothing stores .....	-	33.1	33.1	34.3	33.9	-	-	-	-	-
Shoe stores .....	-	31.5	31.9	31.7	31.8	-	-	-	-	-
Furniture and appliance stores .....	-	40.1	40.0	40.7	40.5	-	-	-	-	-
Other retail trade .....	-	41.1	41.0	41.1	41.2	-	-	-	-	-
Motor vehicle dealers .....	-	43.9	43.6	43.6	43.7	-	-	-	-	-
Other vehicle and accessory dealers .....	-	43.6	43.8	43.7	43.7	-	-	-	-	-
Drug stores .....	-	35.9	36.3	36.2	36.0	-	-	-	-	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>	-	-	-	-	-	-	-	-	-	-
Banking .....	-	37.2	37.1	37.3	37.3	-	-	-	-	-
Security dealers and exchanges .....	-	-	-	-	-	-	-	-	-	-
Insurance carriers .....	-	-	-	-	-	-	-	-	-	-
Life insurance .....	-	-	-	-	-	-	-	-	-	-
Accident and health insurance .....	-	-	-	-	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	-	-	-	-	-	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS:</b>	-	-	-	-	-	-	-	-	-	-
Hotels and lodging places:	-	-	-	-	-	-	-	-	-	-
Hotels, tourist courts, and motels <sup>8</sup> .....	-	38.2	38.0	38.8	39.1	-	-	-	-	-
Personal services:	-	-	-	-	-	-	-	-	-	-
Laundries, cleaning and dyeing plants <sup>9</sup> .....	-	39.1	38.5	38.8	39.0	-	-	-	-	-
Motion pictures:	-	-	-	-	-	-	-	-	-	-
Motion picture filming and distributing .....	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; and for all other industries, to nonsupervisory workers.

<sup>2</sup>Not available.

<sup>3</sup>Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1963, such employees made up 32 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>4</sup>Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1963, such employees made up 31 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>5</sup>Data relate to nonsupervisory employees except messengers.

<sup>6</sup>Data exclude eating and drinking places.

<sup>7</sup>Beginning January 1964, data exclude earnings of nonoffice salesmen and are not necessarily comparable with series for prior years.

<sup>8</sup>Money payments only; additional value of board, room, uniforms, and tips, not included.

<sup>9</sup>Beginning January 1964, data relate to nonsupervisory workers and are not comparable with the production worker levels of prior years.

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

48

**Table C-3: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry**

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
<b>MANUFACTURING</b>	\$2.46	\$2.43	\$2.46	\$2.40	\$2.39
<b>DURABLE GOODS</b>	2.63	2.59	2.63	2.57	2.56
Ordnance and accessories	-	2.98	2.96	2.88	2.85
Lumber and wood products, except furniture	-	2.09	2.11	2.01	2.02
Furniture and fixtures	-	1.98	1.98	1.94	1.94
Stone, clay, and glass products	-	2.45	2.46	2.39	2.39
Primary metal industries	-	3.01	3.04	2.95	2.94
Fabricated metal products	-	2.54	2.59	2.54	2.52
Machinery	-	2.76	2.76	2.71	2.70
Electrical equipment and supplies	-	2.45	2.45	2.42	2.41
Transportation equipment	-	2.93	2.99	2.95	2.93
Instruments and related products	-	2.47	2.47	2.43	2.43
Miscellaneous manufacturing industries	-	2.01	2.01	1.99	1.97
<b>NONDURABLE GOODS</b>	2.23	2.22	2.23	2.18	2.16
Food and kindred products	-	2.27	2.26	2.24	2.20
Tobacco manufactures	-	1.79	1.82	1.86	1.79
Textile mill products	-	1.74	1.72	1.68	1.65
Apparel and related products	-	1.76	1.77	1.73	1.74
Paper and allied products	-	2.44	2.45	2.38	2.38
Printing, publishing, and allied industries	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products	-	2.73	2.75	2.67	2.67
Petroleum refining and related industries	-	3.11	3.14	3.10	3.07
Rubber and miscellaneous plastic products	-	2.44	2.47	2.41	2.38
Leather and leather products	-	1.79	1.80	1.76	1.75

<sup>1</sup>Derived by assuming that overtime hours are paid at the rate of time and one-half.

<sup>2</sup>Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

NOTE: Data for the 2 most recent months are preliminary.

**Table C-4: Gross and spendable average weekly earnings in selected industries, in current and 1957-59 dollars<sup>1</sup>**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
<b>MINING:</b>									
Current dollars	\$122.69	\$118.53	\$116.89	\$99.95	\$96.67	\$93.04	\$108.54	\$105.06	\$101.73
1957-59 dollars	113.08	109.35	109.04	92.12	89.18	86.79	100.04	96.92	94.90
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars	138.62	131.03	134.59	112.51	106.53	106.60	121.86	115.53	116.24
1957-59 dollars	127.76	120.88	125.55	103.70	98.27	99.44	112.31	106.58	108.43
<b>MANUFACTURING:</b>									
Current dollars	102.97	104.60	100.78	84.40	85.69	80.70	92.18	93.53	88.52
1957-59 dollars	94.90	96.49	94.01	77.79	79.05	75.28	84.96	86.28	82.57
<b>WHOLESALE AND RETAIL TRADE:<sup>2</sup></b>									
Current dollars	80.22	80.43	77.95	66.33	66.50	63.00	73.70	73.86	70.32
1957-59 dollars	73.94	74.20	72.71	61.13	61.35	58.77	67.93	68.14	65.60

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; for wholesale and retail trade, to nonsupervisory workers.

<sup>2</sup>Data exclude eating and drinking places.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**Table C-5: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities<sup>1</sup>**

1957-59=100

Industry	Nov. 1964	Oct. 1964	Sept. 1964	Nov. 1963	Oct. 1963
	Man-hours				
<b>TOTAL</b> .....	106.8	106.7	108.1	102.5	106.1
<b>MINING</b> .....	85.1	85.7	83.2	82.1	84.4
<b>CONTRACT CONSTRUCTION</b> .....	112.5	121.5	116.5	105.8	119.8
<b>MANUFACTURING</b> .....	106.9	105.0	107.8	103.0	104.7
<b>DURABLE GOODS</b> .....	109.1	104.9	109.8	104.0	104.9
Ordnance and accessories .....	128.9	127.5	127.2	145.1	147.3
Lumber and wood products, except furniture ..	95.5	97.9	99.2	94.8	99.1
Furniture and fixtures .....	116.4	117.2	114.5	109.7	111.1
Stone, clay, and glass products .....	107.9	109.8	110.6	105.1	107.2
Primary metal industries .....	107.5	106.5	111.2	96.1	95.7
Fabricated metal products .....	112.2	108.1	113.6	106.7	108.1
Machinery .....	113.9	113.6	112.9	105.0	104.8
Electrical equipment and supplies .....	118.8	118.3	116.8	113.2	114.8
Transportation equipment .....	99.5	78.2	100.5	99.1	98.2
Instruments and related products .....	106.4	105.7	106.6	105.6	105.9
Miscellaneous manufacturing industries .....	114.0	114.5	110.5	107.3	110.1
<b>NONDURABLE GOODS</b> .....	104.0	105.2	105.3	101.6	104.4
Food and kindred products .....	94.8	100.0	104.2	95.5	102.4
Tobacco manufactures .....	99.5	115.2	108.8	101.4	111.2
Textile mill products .....	100.8	99.8	95.6	97.7	97.9
Apparel and related products .....	113.1	112.8	109.6	107.6	111.1
Paper and allied products .....	108.6	110.2	110.4	107.3	108.6
Printing, publishing, and allied industries ..	107.9	108.6	108.4	105.0	105.8
Chemicals and allied products .....	105.5	105.1	107.9	104.4	105.2
Petroleum refining and related industries .....	78.1	79.5	83.6	81.8	83.4
Rubber and miscellaneous plastic products ..	125.8	125.5	126.9	117.6	117.3
Leather and leather products .....	98.9	96.0	95.9	94.2	95.9
	Payrolls				
<b>MINING</b> .....	-	99.0	95.6	91.3	93.9
<b>CONTRACT CONSTRUCTION</b> .....		155.4	147.8	128.7	146.7
<b>MANUFACTURING</b> .....	129.3	125.5	130.9	121.3	122.5

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

NOTE: Data for the 2 most recent months are preliminary.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

50

**Table C-6: Average weekly hours of production workers on payrolls of selected industries<sup>1</sup>  
seasonally adjusted**

Industry	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
<b>MINING</b> .....	42.3	42.1	41.0	41.6	41.8	41.5	41.7	41.5	41.6	41.6	41.5	41.8	41.4
<b>CONTRACT CONSTRUCTION</b> .....	37.7	37.1	35.6	37.0	36.8	37.3	37.3	37.2	37.4	37.6	35.2	37.4	37.1
<b>MANUFACTURING</b> .....	40.9	40.5	40.5	40.8	40.6	40.6	40.6	40.7	40.6	40.7	40.2	40.7	40.5
<b>DURABLE GOODS</b> .....	41.6	41.3	41.4	41.5	41.3	41.4	41.3	41.4	41.2	41.3	41.1	41.3	41.2
Ordnance and accessories .....	40.8	40.7	40.0	40.4	40.4	40.6	40.2	40.3	40.3	40.3	40.7	40.9	40.5
Lumber and wood products, except furniture ...	40.5	39.8	39.4	40.4	40.3	39.9	40.2	40.2	40.3	40.2	39.1	40.6	40.1
Furniture and fixtures .....	41.7	41.2	40.5	41.2	41.0	41.1	41.2	41.2	41.2	41.3	40.1	41.2	41.0
Stone, clay, and glass products .....	41.6	41.4	41.1	41.3	41.5	41.4	41.6	41.7	41.6	41.7	40.8	41.5	41.4
Primary metal industries .....	41.9	41.9	42.8	42.2	41.5	41.5	41.5	41.2	41.4	41.2	41.2	41.1	41.1
Fabricated metal products .....	42.0	41.4	41.3	41.7	41.6	41.4	41.7	41.8	41.6	41.8	41.5	41.7	41.5
Machinery .....	42.9	42.6	42.0	42.5	42.4	42.4	42.3	42.2	42.4	42.4	41.8	42.2	42.1
Electrical equipment and supplies .....	40.8	40.7	40.3	40.6	40.6	40.3	40.4	40.5	40.4	40.4	40.2	40.4	40.3
Transportation equipment .....	41.6	40.5	42.3	42.6	41.7	42.6	41.9	42.1	41.8	42.0	41.9	42.0	42.0
Instruments and related products .....	40.9	40.9	40.9	41.0	41.0	40.9	40.8	40.7	40.7	40.8	40.1	40.8	40.7
Miscellaneous manufacturing industries .....	39.9	39.7	39.1	40.0	39.8	39.5	39.5	39.8	39.7	39.6	38.7	39.6	39.5
<b>NONDURABLE GOODS</b> .....	40.0	39.8	39.4	39.7	39.5	39.6	39.7	39.8	39.7	39.8	39.1	39.7	39.7
Food and kindred products .....	40.9	40.9	40.7	40.8	40.6	40.9	41.0	41.1	40.8	40.9	40.8	41.0	40.9
Tobacco manufactures .....	38.7	38.9	37.0	38.4	39.6	39.0	39.7	39.9	39.4	37.3	37.8	38.5	39.2
Textile mill products .....	41.5	41.5	40.0	41.2	40.8	40.9	41.0	41.0	40.9	41.2	40.7	41.1	40.9
Apparel and related products .....	36.3	36.1	34.9	35.9	36.0	36.0	36.0	36.2	36.1	36.4	34.7	36.1	35.9
Paper and allied products .....	42.7	42.9	42.7	43.0	42.9	42.7	42.9	42.8	42.7	42.9	42.6	42.7	42.8
Printing, publishing, and allied industries .....	38.4	38.6	38.5	38.6	38.4	38.4	38.5	38.7	38.4	38.3	38.1	38.5	38.2
Chemicals and allied products .....	41.7	41.6	42.1	41.3	41.4	41.4	41.6	41.6	41.6	41.5	41.3	41.5	41.5
Petroleum refining and related industries .....	41.5	41.6	42.5	42.1	41.6	41.6	41.9	41.6	42.1	42.3	41.3	41.7	41.5
Rubber and miscellaneous plastic products .....	41.6	41.6	41.3	41.8	40.7	41.2	41.4	41.2	41.2	41.1	40.9	41.2	41.0
Leather and leather products .....	38.4	38.4	37.7	37.9	37.9	37.9	38.1	37.8	37.8	37.9	36.6	38.1	37.7
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b> .....	-	38.4	38.2	38.5	38.6	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.5
<b>WHOLESALE TRADE</b> .....	-	40.6	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.6	40.4	40.7	40.6
<b>RETAIL TRADE<sup>2</sup></b> .....	-	37.4	37.3	37.5	37.7	37.5	37.5	37.4	37.4	37.5	37.3	37.7	37.7

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; and for wholesale and retail trade, to non-supervisory workers.

<sup>2</sup>Data exclude eating and drinking places.

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**
**Table C-7: Indexes of aggregate weekly man-hours in industrial and construction activities<sup>1</sup>  
seasonally adjusted**

1957-59=100													
Industry	Nov. 1964	Oct. 1964	Sept. 1964	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963
TOTAL .....	105.6	102.5	103.2	104.0	103.5	103.5	103.0	102.9	103.1	103.1	99.7	102.3	101.3
MINING .....	84.6	83.6	80.7	81.9	83.6	82.5	81.8	81.7	81.8	81.6	81.4	82.8	81.7
CONTRACT CONSTRUCTION .....	110.4	106.6	101.4	106.4	106.1	107.6	106.9	106.2	108.6	109.6	95.3	106.0	103.7
MANUFACTURING .....	105.7	102.7	104.6	104.7	104.0	103.7	103.4	103.4	103.2	103.0	101.5	102.6	101.8
DURABLE GOODS .....	107.8	103.0	107.6	106.9	106.1	105.4	104.6	104.9	104.7	104.2	102.9	103.7	102.8
Ordnance and accessories .....	127.0	126.6	125.7	128.2	129.4	132.5	133.7	135.2	136.5	137.7	142.8	143.5	142.1
Lumber and wood products, except furniture ...	96.3	93.7	93.2	95.7	96.4	94.0	95.4	96.1	96.9	96.7	93.3	97.3	95.5
Furniture and fixtures .....	113.7	112.4	110.1	111.0	111.5	111.1	109.7	109.7	109.4	109.3	105.2	108.4	107.2
Stone, clay, and glass products .....	106.4	105.4	105.1	105.2	105.5	105.0	104.9	105.1	106.0	105.1	102.3	104.4	103.8
Primary metal industries .....	110.0	108.6	111.3	108.2	106.9	104.6	102.2	100.9	101.3	100.7	100.0	99.3	98.3
Fabricated metal products .....	110.6	105.5	110.6	110.1	108.2	107.4	107.5	108.5	107.7	107.9	106.1	106.4	105.2
Machinery .....	116.2	115.5	113.9	113.2	112.5	111.8	110.7	109.8	109.9	108.2	107.6	108.3	107.1
Electrical equipment and supplies .....	116.1	115.3	113.7	113.6	113.7	111.5	111.3	111.9	111.4	111.2	110.9	111.5	110.9
Transportation equipment .....	94.6	75.7	100.0	97.7	95.3	97.3	96.2	97.5	96.3	95.5	95.1	94.9	94.3
Instruments and related products .....	104.4	104.4	104.9	105.1	106.0	104.4	103.7	103.9	103.9	104.2	102.0	104.2	103.5
Miscellaneous manufacturing industries .....	107.5	105.1	103.1	104.2	103.0	103.2	101.9	102.7	102.5	102.2	99.2	101.6	101.3
NONDURABLE GOODS .....	103.0	102.3	100.8	101.7	101.3	101.6	101.7	101.5	101.3	101.6	99.7	101.1	100.6
Food and kindred products .....	93.3	91.8	91.3	92.3	91.2	91.8	92.9	93.0	92.9	93.7	93.4	94.0	93.8
Tobacco manufactures .....	94.4	91.3	80.1	84.3	94.2	92.7	93.2	92.4	92.5	86.4	86.4	91.6	96.8
Textile mill products .....	99.3	98.4	94.9	97.2	96.2	96.6	96.9	96.9	97.0	97.7	96.1	96.8	96.2
Apparel and related products .....	112.1	111.4	107.4	109.7	109.9	111.0	109.5	109.4	108.4	109.8	104.3	107.9	106.7
Paper and allied products .....	108.1	108.4	107.7	108.2	108.2	107.7	107.9	107.5	107.0	107.5	106.3	106.6	106.6
Printing, publishing, and allied industries .....	106.8	107.1	107.2	107.1	106.6	106.6	106.9	106.9	105.9	105.3	104.5	105.8	103.9
Chemicals and allied products .....	106.1	105.6	107.5	105.4	105.9	105.9	105.6	105.2	106.0	105.3	104.6	105.1	105.1
Petroleum refining and related industries .....	78.8	79.7	81.4	80.0	80.4	80.4	80.3	79.7	82.0	82.4	80.5	81.9	82.2
Rubber and miscellaneous plastic products .....	123.7	122.6	123.5	123.9	119.5	119.2	120.1	119.2	119.2	117.8	115.8	116.3	115.4
Leather and leather products .....	99.3	98.3	96.6	96.4	97.4	96.8	97.0	95.9	95.3	95.2	91.6	95.4	94.7

<sup>1</sup>For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

NOTE: Data for the 2 most recent months are preliminary.



# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

52

Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
ALABAMA.....	(1)	\$91.08	\$86.28	(1)	41.4	40.7	(1)	\$2.20	\$2.12
Birmingham.....	\$113.42	121.52	110.02	40.8	43.4	40.3	\$2.78	2.80	2.73
Mobile.....	111.99	112.78	105.52	42.1	42.4	40.9	2.66	2.66	2.58
ALASKA.....	(1)	155.82	135.42	(1)	42.0	37.1	(1)	3.71	3.65
ARIZONA.....	110.12	110.52	112.34	39.9	39.9	41.0	2.76	2.77	2.74
Phoenix.....	109.75	112.74	112.07	40.2	40.7	40.9	2.73	2.77	2.74
Tucson.....	116.49	112.27	115.83	38.7	37.8	40.5	3.01	2.97	2.86
ARKANSAS.....	73.08	72.14	71.05	40.6	40.3	40.6	1.80	1.79	1.75
Fort Smith.....	73.42	70.43	70.84	39.9	38.7	39.8	1.84	1.82	1.78
Little Rock-North Little Rock.....	74.26	72.58	69.94	40.8	40.1	40.9	1.82	1.81	1.71
Pine Bluff.....	94.02	91.54	84.25	45.2	41.8	40.9	2.08	2.19	2.06
CALIFORNIA.....	119.58	120.18	117.45	40.4	40.6	40.5	2.96	2.96	2.90
Anaheim-Santa Ana-Garden Grove.....	120.18	119.99	118.90	40.6	40.4	41.0	2.96	2.97	2.90
Bakersfield.....	130.51	132.16	123.32	41.3	41.3	40.7	3.16	3.20	3.03
Fresno.....	102.66	102.51	98.60	40.1	40.2	39.6	2.56	2.55	2.49
Los Angeles-Long Beach.....	117.86	117.38	116.40	40.5	40.2	40.7	2.91	2.92	2.86
Sacramento.....	138.17	139.07	130.07	41.0	42.4	39.9	3.37	3.28	3.26
San Bernardino-Riverside-Ontario.....	118.78	125.82	115.09	40.4	41.8	40.1	2.94	3.01	2.87
San Diego.....	127.75	125.69	123.69	40.3	39.9	39.9	3.17	3.15	3.10
San Francisco-Oakland.....	124.82	127.43	122.45	39.5	40.2	39.5	3.16	3.17	3.10
San Jose.....	121.29	120.06	120.77	40.7	41.4	40.8	2.98	2.90	2.96
Stockton.....	113.37	120.70	112.20	39.5	42.8	40.8	2.87	2.82	2.75
COLORADO.....	(1)	114.82	111.37	(1)	41.6	41.4	(1)	2.76	2.69
Denver.....	(1)	115.23	113.99	(1)	41.3	41.3	(1)	2.79	2.76
CONNECTICUT.....	109.41	107.94	107.43	41.6	41.2	41.8	2.63	2.62	2.57
Bridgeport.....	112.74	110.97	109.10	41.6	41.1	41.8	2.71	2.70	2.61
Hartford.....	116.18	112.46	112.94	42.4	41.5	42.3	2.74	2.71	2.67
New Britain.....	111.30	112.10	104.04	42.0	42.3	40.8	2.65	2.65	2.55
New Haven.....	107.98	107.16	104.39	40.9	40.9	41.1	2.64	2.62	2.54
Stamford.....	115.78	111.65	115.21	42.1	40.6	42.2	2.75	2.75	2.73
Waterbury.....	106.08	108.99	104.58	40.8	41.6	41.5	2.60	2.62	2.52
DELAWARE.....	107.71	117.32	105.47	40.8	41.9	41.2	2.64	2.80	2.56
Wilmington.....	119.66	129.13	118.66	40.7	42.2	41.2	2.94	3.06	2.88
DISTRICT OF COLUMBIA: Washington.....	112.40	113.26	111.72	39.3	39.6	39.9	2.86	2.86	2.80
FLORIDA.....	87.98	84.89	86.53	41.5	39.3	41.4	2.12	2.16	2.09
Jacksonville.....	85.25	72.87	88.29	38.4	32.1	40.5	2.22	2.27	2.18
Miami.....	81.99	83.79	79.40	39.8	39.9	39.5	2.06	2.10	2.01
Tampa-St. Petersburg.....	89.03	87.35	86.74	42.6	41.4	41.7	2.09	2.11	2.08
GEORGIA.....	79.35	78.20	77.08	40.9	39.9	41.0	1.94	1.96	1.88
Atlanta.....	98.64	102.01	99.96	41.1	41.3	42.0	2.40	2.47	2.38
Savannah.....	99.90	101.71	97.53	41.8	40.2	41.5	2.39	2.53	2.35
HAWAII.....	(1)	83.92	84.53	(1)	37.8	38.6	(1)	2.22	2.19
IDAHO.....	103.08	105.44	97.99	39.8	40.4	41.0	2.59	2.61	2.39
ILLINOIS.....	113.74	114.96	109.40	41.1	41.5	40.8	2.76	2.77	2.68
Chicago.....	116.37	117.28	111.28	41.5	41.6	40.9	2.80	2.82	2.72
Davenport-Rock Island-Moline.....	(1)	126.53	118.06	(1)	41.5	40.0	(1)	3.05	2.95
Peoria.....	(1)	128.96	120.96	(1)	42.5	40.9	(1)	3.04	2.96
Rockford.....	(1)	113.15	111.02	(1)	42.7	42.9	(1)	2.65	2.59
INDIANA.....	114.64	117.41	112.61	40.9	41.4	41.2	2.80	2.84	2.73
Indianapolis.....	(1)	121.22	114.35	(1)	42.0	41.4	(1)	2.89	2.76
IOWA.....	111.23	110.05	107.31	41.2	39.8	40.7	2.70	2.77	2.64
Des Moines.....	123.25	124.10	114.09	40.0	39.7	39.3	3.09	3.13	2.90

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA

## STATE AND AREA HOURS AND EARNINGS

Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas--Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
KANSAS.....	\$112.39	\$114.15	\$109.84	42.1	42.5	41.8	\$2.67	\$2.68	\$2.63
Topeka.....	126.35	131.58	113.02	43.6	44.5	41.5	2.90	2.95	2.72
Wichita.....	122.43	117.87	116.24	42.0	41.4	41.4	2.92	2.85	2.81
KENTUCKY.....	99.87	101.56	95.88	41.1	40.3	40.8	2.43	2.52	2.35
Louisville.....	118.45	118.02	111.60	42.2	41.2	41.4	2.81	2.86	2.70
LOUISIANA.....	105.15	104.92	101.10	42.4	41.8	42.3	2.48	2.51	2.39
Baton Rouge.....	127.35	138.24	126.59	40.3	42.8	41.1	3.16	3.23	3.08
New Orleans.....	106.92	108.12	102.62	40.5	40.8	40.4	2.64	2.65	2.54
Shreveport.....	101.32	99.36	99.36	43.3	42.1	42.1	2.34	2.36	2.36
MAINE.....	82.62	80.40	81.99	40.7	40.0	41.2	2.03	2.01	1.99
Lewiston-Auburn.....	66.24	66.06	68.15	36.8	36.7	38.5	1.80	1.80	1.77
Portland.....	89.20	87.20	87.56	40.0	40.0	39.8	2.23	2.18	2.20
MARYLAND.....	104.55	107.74	101.75	41.0	41.6	40.7	2.55	2.59	2.50
Baltimore.....	111.24	116.75	106.63	41.2	42.3	40.7	2.70	2.76	2.62
MASSACHUSETTS.....	94.88	94.72	92.40	39.7	39.8	40.0	2.39	2.38	2.31
Boston.....	101.26	101.77	101.30	39.4	39.6	40.2	2.57	2.57	2.52
Fall River.....	66.54	66.12	66.80	34.3	34.8	36.5	1.94	1.90	1.83
New Bedford.....	74.82	74.86	72.94	37.6	38.0	37.6	1.99	1.97	1.94
Springfield-Chicopee-Holyoke.....	98.82	98.82	94.07	40.5	40.5	40.2	2.44	2.44	2.34
Worcester.....	105.88	102.36	97.11	41.2	40.3	39.8	2.57	2.54	2.44
MICHIGAN.....	129.60	138.92	132.93	42.9	44.2	43.3	3.02	3.14	3.07
Detroit.....	139.11	147.08	142.28	43.0	44.3	43.9	3.24	3.32	3.24
Flint.....	119.08	157.57	151.16	37.6	44.6	43.7	3.17	3.53	3.46
Grand Rapids.....	105.87	116.87	112.14	39.8	41.8	41.0	2.66	2.80	2.74
Lansing.....	124.31	140.37	150.14	41.3	43.5	46.0	3.01	3.23	3.26
Muskegon-Muskegon Heights.....	121.35	116.57	115.71	41.8	40.1	40.4	2.90	2.91	2.86
Saginaw.....	117.17	146.17	129.59	41.8	46.7	43.5	2.80	3.13	2.98
MINNESOTA.....	108.48	107.27	104.77	41.0	41.3	40.8	2.64	2.60	2.57
Duluth-Superior.....	108.28	115.53	98.57	39.8	42.1	37.8	2.72	2.75	2.61
Minneapolis-St. Paul.....	114.54	114.86	110.86	40.8	41.0	40.9	2.81	2.80	2.71
MISSISSIPPI.....	73.57	72.45	70.35	41.1	40.7	40.9	1.79	1.78	1.72
Jackson.....	81.03	77.46	78.22	43.8	42.1	43.7	1.85	1.84	1.79
MISSOURI.....	101.67	102.60	100.04	40.1	40.2	40.4	2.54	2.55	2.48
Kansas City.....	108.76	114.74	111.35	40.4	41.3	41.1	2.69	2.78	2.71
St. Louis.....	115.07	116.23	112.80	40.4	40.6	40.8	2.85	2.86	2.77
MONTANA.....	109.18	116.34	105.56	39.7	41.7	40.6	2.75	2.79	2.60
NEBRASKA.....	103.77	103.21	98.09	43.6	43.3	43.1	2.38	2.38	2.28
Omaha.....	113.32	111.82	106.47	43.2	42.8	42.3	2.62	2.61	2.52
NEVADA.....	126.54	127.19	123.09	40.3	39.5	39.2	3.14	3.22	3.14
NEW HAMPSHIRE.....	81.20	81.41	78.99	40.2	40.3	40.3	2.02	2.02	1.96
Manchester.....	74.87	76.44	73.52	38.2	38.8	38.9	1.96	1.97	1.89
NEW JERSEY.....	108.67	109.34	106.49	40.7	40.8	40.8	2.67	2.68	2.61
Jersey City <sup>2</sup> .....	107.16	106.37	105.32	40.9	40.6	41.3	2.62	2.62	2.55
Newark <sup>2</sup> .....	107.33	108.81	105.52	40.5	40.6	40.9	2.65	2.68	2.58
Paterson-Clifton-Passaic <sup>2</sup> .....	109.48	109.48	107.16	40.7	40.7	40.9	2.69	2.69	2.62
Perth Amboy <sup>2</sup> .....	111.91	116.20	112.88	40.4	41.5	41.5	2.77	2.80	2.72
Trenton.....	102.62	113.42	107.57	40.4	41.7	40.9	2.54	2.72	2.63

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

54

Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas--Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
NEW MEXICO.....	\$91.08	\$91.71	\$92.74	40.3	39.7	41.4	\$2.26	\$2.31	\$2.24
Albuquerque.....	89.78	94.04	96.00	38.7	38.7	41.2	2.32	2.43	2.33
NEW YORK.....	102.56	101.92	100.84	39.6	39.2	39.7	2.59	2.60	2.54
Albany-Schenectady-Troy.....	114.26	110.03	110.15	41.1	40.6	40.2	2.78	2.71	2.74
Binghamton.....	101.35	101.35	97.44	41.2	41.2	40.6	2.46	2.46	2.40
Buffalo.....	123.79	131.58	119.89	41.4	43.0	41.2	2.99	3.06	2.91
Elmira.....	106.34	106.90	101.66	40.9	40.8	40.5	2.60	2.62	2.51
Nassau and Suffolk Counties <sup>3</sup> .....	106.52	106.79	109.48	39.6	39.7	40.4	2.69	2.69	2.71
New York-Northeastern New Jersey.....	101.40	100.61	99.43	39.0	38.4	39.3	2.60	2.62	2.53
New York SMSA <sup>2</sup> .....	97.54	95.35	96.77	38.1	37.1	38.4	2.56	2.57	2.52
New York City <sup>3</sup> .....	96.39	93.70	94.62	37.8	36.6	38.0	2.55	2.56	2.49
Rochester.....	118.29	119.26	114.96	41.8	41.7	41.5	2.83	2.86	2.77
Syracuse.....	109.75	111.64	108.39	40.8	41.5	40.9	2.69	2.69	2.65
Utica-Rome.....	99.96	96.96	100.36	40.8	39.9	41.3	2.45	2.43	2.43
Westchester County <sup>3</sup> .....	98.36	102.05	103.42	39.5	39.4	40.4	2.49	2.59	2.56
NORTH CAROLINA.....	73.22	70.70	69.97	41.6	40.4	41.4	1.76	1.75	1.69
Charlotte.....	81.37	78.88	75.89	42.6	41.3	41.7	1.91	1.91	1.82
Greensboro-High Point.....	74.85	69.89	69.13	40.9	38.4	39.5	1.83	1.82	1.75
NORTH DAKOTA.....	97.48	96.76	115.17	42.3	42.1	43.8	2.30	2.31	2.62
Fargo-Moorhead.....	106.39	98.18	102.87	42.3	38.3	42.9	2.52	2.56	2.40
OHIO.....	120.16	124.00	117.60	41.3	42.3	41.2	2.91	2.93	2.85
Akron.....	137.85	137.62	127.67	42.1	41.6	40.1	3.27	3.31	3.18
Canton.....	124.47	124.51	114.61	41.5	41.3	39.6	3.00	3.01	2.89
Cincinnati.....	116.55	119.58	111.40	42.4	43.0	41.5	2.75	2.78	2.68
Cleveland.....	122.32	128.25	121.82	41.0	42.6	41.6	2.98	3.01	2.93
Columbus.....	113.10	114.26	111.99	41.4	41.3	41.1	2.73	2.77	2.72
Dayton.....	131.37	133.77	128.28	42.3	42.8	42.1	3.11	3.13	3.05
Toledo.....	120.53	123.10	118.22	40.7	41.4	40.5	2.96	2.97	2.92
Youngstown-Warren.....	130.52	141.00	124.75	40.7	42.7	39.7	3.21	3.30	3.14
OKLAHOMA.....	99.07	99.07	95.04	41.8	41.8	41.5	2.37	2.37	2.29
Oklahoma City.....	95.85	94.13	89.88	42.6	42.4	42.0	2.25	2.22	2.14
Tulsa.....	105.73	105.47	100.21	41.3	41.2	40.9	2.56	2.56	2.45
OREGON.....	110.37	111.07	107.02	39.0	38.7	39.2	2.83	2.87	2.73
Portland.....	111.44	110.69	108.58	39.1	38.3	39.2	2.85	2.89	2.77
PENNSYLVANIA.....	103.06	103.97	98.21	40.1	40.3	39.6	2.57	2.58	2.48
Allentown-Bethlehem-Easton.....	103.74	101.79	93.45	39.9	39.3	38.3	2.60	2.59	2.44
Altoona.....	85.10	85.39	79.82	39.4	39.9	37.3	2.16	2.14	2.14
Erie.....	112.20	112.56	107.59	42.5	42.8	41.7	2.64	2.63	2.58
Harrisburg.....	90.68	91.80	84.37	40.3	40.8	38.7	2.25	2.25	2.18
Johnstown.....	113.48	113.08	100.39	40.1	40.1	37.6	2.83	2.82	2.67
Lancaster.....	95.40	92.97	88.88	41.3	40.6	40.4	2.31	2.29	2.20
Philadelphia.....	108.27	108.67	103.74	40.1	40.1	39.9	2.70	2.71	2.60
Pittsburgh.....	127.62	131.55	117.60	41.3	42.3	39.2	3.09	3.11	3.00
Reading.....	91.48	90.57	90.80	40.3	39.9	40.9	2.27	2.27	2.22
Scranton.....	74.80	73.60	74.11	37.4	36.8	38.2	2.00	2.00	1.94
Wilkes-Barre-Hazleton.....	70.79	69.81	71.96	36.3	35.8	36.9	1.95	1.95	1.95
York.....	90.27	88.56	86.32	41.6	41.0	41.5	2.17	2.16	2.08
RHODE ISLAND.....	84.38	83.74	83.02	39.8	39.5	40.7	2.12	2.12	2.04
Providence-Pawtucket-Warwick.....	84.61	83.37	83.63	40.1	39.7	40.4	2.11	2.10	2.07
SOUTH CAROLINA.....	75.76	73.97	70.11	41.4	40.2	41.0	1.83	1.84	1.71
Charleston.....	85.41	84.71	79.76	40.1	39.4	39.1	2.13	2.15	2.04
Greenville.....	75.18	74.21	67.65	42.0	41.0	41.0	1.79	1.81	1.65
SOUTH DAKOTA.....	108.76	105.40	103.47	45.9	45.0	45.3	2.37	2.34	2.28
Sioux Falls.....	127.10	119.07	118.10	50.0	47.5	47.2	2.54	2.51	2.50

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA

## STATE AND AREA HOURS AND EARNINGS

Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,  
by State and selected areas--Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963	Oct. 1964	Sept. 1964	Oct. 1963
TENNESSEE.....	\$84.25	\$84.03	\$81.59	41.3	40.4	41.0	\$2.04	\$2.08	\$1.99
Chattanooga.....	90.50	87.91	87.97	41.9	40.7	41.3	2.16	2.16	2.13
Knoxville.....	98.12	97.10	93.38	41.4	40.8	40.6	2.37	2.38	2.30
Memphis.....	98.56	97.76	93.18	42.3	41.6	41.6	2.33	2.35	2.24
Nashville.....	88.97	90.67	85.86	41.0	41.4	40.5	2.17	2.19	2.12
TEXAS.....	102.06	104.41	98.36	42.0	42.1	41.5	2.43	2.48	2.37
Dallas.....	93.02	93.18	89.25	41.9	41.6	41.9	2.22	2.24	2.13
Fort Worth.....	106.25	110.08	105.59	42.5	42.5	41.9	2.50	2.59	2.52
Houston.....	119.82	124.39	113.84	43.1	43.8	41.7	2.78	2.84	2.73
San Antonio.....	76.54	76.22	72.85	41.6	41.2	40.7	1.84	1.85	1.79
UTAH.....	109.81	111.11	106.40	39.5	40.7	39.7	2.78	2.73	2.68
Salt Lake City.....	106.39	107.06	105.15	40.3	40.4	40.6	2.64	2.65	2.59
VERMONT.....	87.15	86.53	84.04	41.9	41.4	41.4	2.08	2.09	2.03
Burlington.....	91.39	89.69	89.76	40.8	40.4	40.8	2.24	2.22	2.20
Springfield.....	101.05	99.66	95.53	43.0	41.7	41.0	2.35	2.39	2.33
VIRGINIA.....	85.48	84.46	81.56	41.7	41.0	41.4	2.05	2.06	1.97
Norfolk-Portsmouth.....	92.45	89.68	90.51	43.2	42.5	43.1	2.14	2.11	2.10
Richmond.....	92.21	90.13	90.20	40.8	40.6	41.0	2.26	2.22	2.20
Roanoke.....	87.40	85.70	81.08	43.7	43.5	42.9	2.00	1.97	1.89
WASHINGTON.....	116.91	116.01	114.16	39.1	38.8	39.5	2.99	2.99	2.89
Seattle-Everett.....	117.89	115.89	116.32	38.4	38.5	39.7	3.07	3.01	2.93
Spokane.....	121.79	120.17	114.60	39.8	39.4	38.2	3.06	3.05	3.00
Tacoma.....	115.28	116.57	112.91	38.3	38.6	38.8	3.01	3.02	2.91
WEST VIRGINIA.....	108.00	109.89	103.88	40.3	40.4	39.8	2.68	2.72	2.61
Charleston.....	131.67	132.30	133.12	41.8	42.0	41.6	3.15	3.15	3.20
Huntington-Ashland.....	113.39	124.01	108.19	39.1	41.2	39.2	2.90	3.01	2.76
Wheeling.....	111.11	108.38	106.00	40.7	39.7	39.7	2.73	2.73	2.67
WISCONSIN.....	108.47	109.79	107.73	40.8	41.5	41.5	2.66	2.64	2.60
Green Bay.....	109.83	107.37	105.76	43.1	43.2	43.4	2.55	2.49	2.44
Kenosha.....	99.62	128.45	124.41	33.1	41.1	40.8	3.01	3.13	3.05
La Crosse.....	103.99	102.06	101.86	39.4	39.4	39.5	2.64	2.59	2.58
Madison.....	114.43	115.63	115.31	40.1	41.8	41.0	2.86	2.77	2.81
Milwaukee.....	117.95	122.49	116.64	40.0	41.3	40.7	2.95	2.97	2.87
Racine.....	119.34	115.77	111.41	41.6	40.3	40.7	2.87	2.87	2.74
WYOMING.....	109.59	113.58	102.31	39.0	38.5	38.9	2.81	2.95	2.63
Casper.....	121.48	126.72	118.35	39.7	39.6	38.3	3.06	3.20	3.09

<sup>1</sup> Not available.

<sup>2</sup> Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>3</sup> Subarea of New York Standard Metropolitan Statistical Area.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# ESTABLISHMENT DATA

## LABOR TURNOVER

Table D-1: Labor turnover rates in manufacturing

1954 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1954.....	3.2	2.9	3.3	2.9	3.2	4.3	3.8	4.3	4.3	4.4	4.0	2.9	3.6
1955.....	3.8	3.7	4.2	4.2	4.5	5.3	4.5	5.8	5.5	5.0	4.0	2.9	4.5
1956.....	3.8	3.6	3.6	4.0	4.1	5.1	4.3	4.9	5.2	5.1	3.6	2.7	4.2
1957.....	3.7	3.3	3.3	3.4	3.6	4.8	4.2	4.1	4.1	3.5	2.6	2.0	3.6
1958.....	2.9	2.6	2.8	3.1	3.6	4.7	4.2	4.9	5.0	4.0	3.2	2.7	3.6
1959 <sup>1</sup> .....	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
1960.....	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961.....	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962.....	4.1	3.6	3.8	4.0	4.3	5.0	4.6	5.1	4.9	3.9	3.0	2.4	4.1
1963.....	3.6	3.3	3.5	3.9	4.0	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964.....	3.6	3.4	3.7	3.8	3.9	5.1	4.4	5.1	4.8	3.9			
New hires													
1954.....	1.6	1.5	1.7	1.5	1.7	2.3	2.1	2.3	2.4	2.2	2.1	1.5	1.9
1955.....	2.0	2.1	2.6	2.6	3.0	3.8	3.3	4.1	3.9	3.5	2.9	2.0	3.0
1956.....	2.5	2.4	2.2	2.5	2.8	3.6	2.9	3.4	3.4	3.2	2.3	1.8	2.8
1957.....	2.3	2.0	2.0	2.1	2.3	3.2	2.8	2.7	2.5	2.1	1.3	.8	2.2
1958.....	1.2	1.1	1.1	1.3	1.5	2.2	2.1	2.4	2.6	2.2	1.7	1.3	1.7
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
1960.....	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961.....	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962.....	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963.....	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.1	2.6	1.8	1.4	2.4
1964.....	2.0	2.0	2.2	2.4	2.6	3.6	2.9	3.4	3.5	2.7			
Total separations													
1954.....	4.9	4.0	4.1	4.4	3.8	3.8	3.7	4.1	4.9	4.2	3.7	3.6	4.1
1955.....	3.3	2.8	3.3	3.6	3.7	4.0	4.1	4.7	5.5	4.4	3.8	3.6	3.9
1956.....	4.1	4.1	3.9	3.9	4.3	4.2	3.8	4.6	5.5	4.4	4.0	3.4	4.2
1957.....	3.8	3.4	3.7	3.8	3.9	3.7	3.7	4.7	5.5	5.0	4.9	4.6	4.2
1958.....	5.4	4.1	4.5	4.4	3.9	3.5	3.7	4.1	4.5	4.1	3.6	3.5	4.1
1959 <sup>1</sup> .....	3.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
1960.....	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961.....	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962.....	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963.....	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.8	4.9	4.1	3.9	3.7	3.9
1964.....	4.0	3.3	3.5	3.5	3.6	3.5	4.4	4.3	5.1	4.0			
Quits													
1954.....	1.3	1.2	1.2	1.4	1.2	1.3	1.4	1.7	2.2	1.5	1.3	1.0	1.4
1955.....	1.2	1.2	1.5	1.8	1.7	1.8	2.0	2.7	3.5	2.2	1.8	1.3	1.9
1956.....	1.6	1.6	1.7	1.8	1.8	2.0	1.9	2.7	3.2	2.1	1.6	1.2	1.9
1957.....	1.5	1.4	1.5	1.6	1.6	1.6	1.7	2.3	2.7	1.6	1.1	.8	1.6
1958.....	.9	.8	.8	.8	.9	1.0	1.1	1.5	1.9	1.3	1.0	.8	1.1
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
1960.....	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961.....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962.....	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963.....	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964.....	1.2	1.1	1.2	1.3	1.5	1.4	1.5	2.1	2.7	1.6			
Layoffs													
1954.....	3.2	2.4	2.5	2.7	2.2	2.1	1.9	2.0	2.1	2.1	2.0	2.2	2.3
1955.....	1.7	1.2	1.4	1.4	1.3	1.5	1.6	1.5	1.4	1.6	1.5	1.8	1.5
1956.....	1.9	2.0	1.7	1.6	1.9	1.6	1.5	1.4	1.8	1.7	1.9	1.8	1.7
1957.....	1.7	1.5	1.5	1.7	1.8	1.4	1.6	1.9	2.3	3.0	3.4	3.4	2.1
1958.....	4.0	2.9	3.3	3.2	2.6	2.0	2.3	2.1	2.1	2.3	2.2	2.4	2.6
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
1960.....	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961.....	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962.....	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963.....	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964.....	2.0	1.6	1.6	1.4	1.4	1.3	2.1	1.4	1.5	1.6			

<sup>1</sup>Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are preliminary.

# ESTABLISHMENT DATA LABOR TURNOVER

58

Table D-2: Labor turnover rates, by industry

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964
<b>MANUFACTURING</b>	3.9	4.8	2.7	3.5	4.0	5.1	1.6	2.7	1.6	1.5
<b>DURABLE GOODS</b>	3.4	4.3	2.5	3.3	3.5	4.4	1.4	2.5	1.3	1.1
<b>NONDURABLE GOODS</b>	4.5	5.4	3.1	3.8	4.7	5.9	1.9	3.1	2.1	2.1
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b>	1.7	2.3	0.8	1.1	3.5	3.0	0.9	1.4	1.9	1.1
Ammunition, except for small arms	1.6	2.3	.7	1.1	3.8	2.9	1.0	1.4	2.1	1.1
Sighting and fire control equipment	1.5	2.0	.6	.5	2.2	3.4	.7	1.3	.4	.7
Other ordnance and accessories	2.2	2.2	1.5	1.5	2.4	3.3	.9	1.5	1.1	1.3
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b>	4.4	5.8	3.6	5.1	5.1	7.4	2.7	5.1	1.6	1.4
Sawmills and planing mills	3.7	5.0	3.0	4.5	4.6	6.6	2.4	4.8	1.5	1.0
Sawmills and planing mills, general	3.6	4.9	3.0	4.4	4.6	6.7	2.4	4.9	1.6	.9
Millwork, plywood, and related products	3.6	4.6	3.2	4.2	4.7	7.2	2.4	4.7	1.5	1.7
Millwork	2.7	3.9	2.5	3.5	4.6	7.2	1.9	4.7	2.0	1.8
Veneer and plywood	4.5	5.2	4.0	4.8	4.3	6.2	2.7	4.8	.6	.4
Wooden containers	4.4	6.2	3.0	4.7	6.3	7.8	2.5	4.6	2.7	1.8
Wooden boxes, shooks, and crates	3.7	5.6	2.4	4.5	5.7	8.5	2.1	4.9	2.8	2.1
Miscellaneous wood products	4.8	6.6	4.3	5.4	5.3	6.1	2.7	3.7	1.5	1.5
<b>FURNITURE AND FIXTURES</b>	5.0	6.2	4.3	5.4	4.7	5.9	2.6	3.9	1.2	1.0
Household furniture	5.5	6.3	4.8	5.5	4.4	5.7	2.8	4.1	.7	.6
Wood house furniture, unupholstered	5.1	6.0	4.6	5.5	4.2	5.6	2.9	4.2	.5	.5
Wood house furniture, upholstered	4.7	5.4	4.4	5.0	3.5	4.6	2.3	3.4	.2	.4
Mattresses and bedsprings	4.1	6.8	3.2	5.5	4.6	5.7	2.1	3.9	1.7	.7
Office furniture	3.8	4.5	3.3	3.9	4.2	4.5	1.6	2.3	1.8	1.3
<b>STONE, CLAY, AND GLASS PRODUCTS</b>	2.8	3.6	2.0	2.7	3.6	4.8	1.4	2.6	1.5	1.4
Flat glass	3.1	3.9	.5	1.5	1.7	3.3	.2	1.2	1.2	1.7
Glass and glassware, pressed or blown	3.1	3.4	1.9	2.3	3.9	4.8	1.2	2.7	1.9	1.2
Glass containers	3.4	3.5	1.7	2.2	5.2	6.2	1.6	3.6	2.7	1.7
Pressed and blown glassware, n.e.c.	2.7	3.2	2.1	2.4	2.4	3.1	.9	1.6	.9	.7
Cement, hydraulic	1.3	2.0	.7	1.2	2.4	3.0	.4	1.5	1.6	1.2
Structural clay products	2.7	3.5	2.1	2.9	3.2	5.7	1.7	3.5	.9	1.5
Brick and structural clay tile	2.9	3.6	2.5	3.0	3.4	5.9	2.4	3.7	.3	1.5
Pottery and related products	2.2	3.7	1.4	2.9	2.8	4.6	1.2	2.1	1.3	1.8
Abrasive products	1.5	1.6	1.4	1.2	1.2	3.4	.7	1.6	.2	.4
<b>PRIMARY METAL INDUSTRIES</b>	2.3	3.3	1.5	2.5	2.3	3.5	.8	2.2	.7	.6
Blast furnace and basic steel products	2.0	2.9	1.1	2.2	2.1	3.3	.5	2.3	.6	.4
Blast furnaces, steel and rolling mills	2.0	2.9	1.1	2.2	2.0	3.4	.4	2.3	.5	.3
Iron and steel foundries	3.0	4.2	2.5	3.4	2.6	3.9	1.4	2.3	.6	.7
Gray iron foundries	2.9	3.8	2.3	3.0	2.5	3.5	1.5	2.3	.4	.4
Malleable iron foundries	4.5	6.1	4.2	5.1	2.8	5.1	1.8	2.9	.2	1.1
Steel foundries	2.7	4.0	2.1	3.3	2.9	4.0	1.0	2.3	1.3	.9
Nonferrous smelting and refining	1.6	2.6	1.2	1.9	1.5	3.4	.6	2.4	.5	.3
Nonferrous rolling, drawing, and extruding	1.5	2.8	1.0	1.6	1.7	3.2	.6	1.4	.7	1.3
Copper rolling, drawing, and extruding	1.2	1.9	.9	1.3	1.7	3.1	.5	1.6	.6	.8
Aluminum rolling, drawing, and extruding	1.1	1.7	.4	.7	1.9	2.8	.4	1.2	1.3	1.3
Nonferrous wire drawing, and insulating	(1)	5.0	(1)	2.9	(1)	3.9	(1)	1.4	(1)	2.0
Nonferrous foundries	4.4	5.8	3.5	5.0	4.4	5.3	2.1	3.5	1.4	1.0
Aluminum castings	4.8	6.2	3.7	5.2	4.8	5.4	2.3	3.5	1.4	1.0
Other nonferrous castings	4.0	5.4	3.2	4.8	4.0	5.2	2.0	3.6	1.4	1.0
Miscellaneous primary metal industries	2.4	3.7	1.6	1.8	2.3	3.3	.7	1.7	.9	1.1
Iron and steel forgings	2.2	4.0	1.6	1.9	2.3	2.9	.7	1.5	.9	.9

See footnotes at end of table. NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA  
LABOR TURNOVER

Table D-2: Labor turnover rates, by industry--Continued

Industry	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964
<i>Durable Goods--Continued</i>										
<b>FABRICATED METAL PRODUCTS</b>	3.8	5.0	3.1	3.9	4.6	5.3	1.7	2.6	2.0	1.6
Metal cans	3.6	5.2	1.4	3.1	8.1	10.2	1.1	3.9	6.1	5.2
Cutlery, hand tools, and general hardware	4.0	4.9	3.4	3.8	3.2	4.7	1.7	2.2	.6	.6
Cutlery and hand tools, including saws	3.0	3.5	2.6	2.9	2.2	3.3	1.4	2.0	.2	.6
Hardware, n.e.c.	4.6	5.8	3.8	4.3	3.7	5.5	1.9	2.3	.9	.6
Heating equipment and plumbing fixtures	2.8	3.8	2.1	2.7	4.1	5.0	1.3	2.5	2.1	1.8
Sanitary ware and plumbers' brass goods	2.6	3.1	1.5	1.9	4.0	5.2	1.2	2.2	2.1	2.3
Heating equipment, except electric	2.9	4.4	2.6	3.4	4.2	4.9	1.5	2.8	2.0	1.4
Fabricated structural metal products	3.8	5.0	3.2	4.1	4.9	5.7	1.8	3.0	2.2	1.8
Fabricated structural steel	3.6	5.4	3.0	4.2	5.7	7.0	1.7	3.0	3.3	2.7
Fabricated plate work (boiler shops)	3.1	4.0	2.7	3.2	3.2	3.7	1.7	2.4	.9	.7
Architectural and miscellaneous metal work	3.3	4.9	2.8	4.2	3.5	5.3	1.6	3.2	1.2	1.5
Screw machine products, bolts, etc.	3.1	3.4	2.6	2.9	3.0	4.0	1.5	2.5	.7	.9
Bolts, nuts, screws, rivets, and washers	2.3	2.4	2.1	2.2	2.3	3.2	1.1	2.0	.6	.7
Metal stampings	4.2	5.9	3.5	4.2	4.9	4.3	1.6	2.1	2.5	1.3
Miscellaneous fabricated wire products	4.6	5.0	3.6	3.8	3.8	4.8	1.9	3.1	1.3	1.0
Miscellaneous fabricated metal products	2.9	3.9	2.2	3.1	3.5	4.6	1.3	2.1	1.6	1.7
Valves, pipe, and pipe fittings	2.8	3.6	2.3	3.0	2.6	4.6	1.3	2.2	.8	1.6
<b>MACHINERY</b>	2.8	3.3	2.1	2.5	2.7	3.5	1.1	2.0	.9	.7
Engines and turbines	3.1	3.1	1.8	1.7	2.3	2.9	.8	1.3	.7	.7
Steam engines and turbines	1.9	2.2	1.0	1.0	1.6	2.5	.3	.6	.3	.5
Internal combustion engines, n.e.c.	3.9	3.6	2.2	2.1	2.7	3.2	1.1	1.6	.9	.8
Farm machinery and equipment	2.9	3.8	1.9	2.3	4.5	4.6	1.1	2.6	2.9	1.1
Construction and related machinery	2.2	2.9	1.9	2.6	2.6	3.3	1.1	2.2	1.0	.5
Construction and mining machinery	1.7	2.5	1.3	2.2	2.8	3.0	.9	1.9	1.4	.4
Oil field machinery, and equipment	1.8	3.0	1.7	2.7	1.6	3.0	1.1	2.2	.1	.2
Conveyors, hoists, and industrial cranes	2.3	3.9	2.0	3.4	2.3	4.5	1.0	2.5	.8	1.1
Metalworking machinery and equipment	2.8	3.4	2.3	2.5	2.4	3.2	1.2	1.9	.6	.6
Machine tools, metal cutting types	1.9	2.2	1.6	2.0	1.5	2.5	.9	1.8	.2	.1
Machine tool accessories	2.0	2.5	1.7	2.2	1.5	2.8	.9	1.8	.2	.3
Miscellaneous metalworking machinery	2.5	2.6	1.9	2.2	1.7	3.0	.9	2.1	.2	.3
Special industry machinery	2.4	2.7	2.1	2.3	2.3	3.0	1.1	1.8	.6	.5
Food products machinery	2.4	2.7	1.8	2.0	2.5	3.2	.9	1.8	1.0	.8
Textile machinery	3.0	3.6	2.6	3.0	2.1	3.1	1.3	2.1	.3	.4
General industrial machinery	2.4	2.8	2.0	2.3	2.0	3.2	.9	2.0	.5	.7
Pumps, air and gas compressors	2.5	2.6	2.3	2.4	1.6	3.1	.8	2.1	.3	.4
Ball and roller bearings	1.9	2.5	1.5	1.7	1.7	3.1	.7	1.5	.5	1.2
Mechanical power transmission goods	2.1	2.5	1.9	2.1	1.8	3.1	1.0	2.3	.3	.3
Office, computing, and accounting machines	2.6	2.7	1.9	1.8	1.9	2.7	.8	1.4	.5	.4
Computing machines and cash registers	2.8	2.8	2.1	1.8	1.7	2.6	.6	1.3	.4	.4
Service industry machines	3.5	4.3	2.1	3.1	3.6	4.6	1.4	2.2	1.5	1.6
Refrigeration, except home refrigerators	4.2	4.5	2.0	2.8	4.1	5.1	1.4	2.1	1.8	2.1
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	3.7	4.0	2.6	2.8	2.7	3.8	1.3	2.1	.7	.9
Electric distribution equipment	2.7	3.0	2.1	2.3	2.1	3.0	1.0	1.7	.5	.5
Electric measuring instruments	3.7	3.6	2.8	2.8	2.5	3.6	1.0	2.0	.8	.8
Power and distribution transformers	2.6	3.1	2.0	2.2	1.7	2.5	1.0	1.6	.3	.3
Switchgear and switchboard apparatus	1.9	2.5	1.5	2.1	1.9	2.7	1.0	1.6	.3	.3
Electrical industrial apparatus	3.0	3.7	2.2	2.5	2.2	3.7	1.2	2.2	.5	.8
Motors and generators	3.2	4.3	2.2	2.4	2.3	3.7	1.1	1.8	.7	1.2
Industrial controls	3.0	2.8	2.6	2.4	1.9	3.3	1.1	2.2	.2	.4
Household appliances	3.1	4.4	2.1	2.9	2.5	3.9	1.2	2.3	.5	.9
Household refrigerators and freezers	3.7	3.2	2.5	1.8	2.3	2.8	.9	1.3	.1	.9
Household laundry equipment	1.8	4.8	.9	3.1	1.2	4.3	.6	3.7	.2	.2
Electric housewares and fans	3.8	7.2	2.6	5.0	3.9	5.2	1.9	3.6	1.1	.8
Electric lighting and wiring equipment	3.4	4.4	2.8	3.6	3.0	4.0	1.4	2.4	.8	.8
Electric lamps	1.9	2.7	1.5	2.1	1.3	2.1	.7	1.3	.1	.2
Lighting fixtures	3.8	5.3	3.1	4.5	3.8	5.1	1.5	2.7	1.4	1.4
Wiring devices	3.7	4.5	3.1	3.4	3.1	3.9	1.6	2.7	.7	.5
Radio and TV receiving sets	5.4	5.3	4.1	4.0	4.0	5.4	2.0	2.8	1.2	1.5
Communication equipment	3.0	3.1	2.1	2.0	2.2	3.1	1.1	1.6	.5	.8
Telephone and telegraph apparatus	(1)	2.6	(1)	2.2	(1)	2.2	(1)	1.6	(1)	(2)
Radio and TV communication equipment	3.2	3.2	2.2	2.0	2.4	3.4	1.1	1.6	.7	1.0
Electronic components and accessories	5.5	5.1	3.4	3.5	3.8	4.4	1.8	2.5	1.0	1.1
Electron tubes	3.8	2.9	1.5	1.6	2.3	2.5	1.1	1.5	.6	.5
Electronic components, n.e.c.	6.0	5.8	4.0	4.2	4.3	5.1	2.0	2.8	1.2	1.3
Miscellaneous electrical equipment and supplies	3.4	4.6	2.6	3.2	2.6	3.4	1.3	2.1	.6	.5
Electrical equipment for engines	2.7	4.2	2.1	2.8	2.5	2.9	1.1	1.7	.8	.4

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA LABOR TURNOVER

60

Table D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964
<i>Durable Goods--Continued</i>										
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	3.6	5.0	2.1	3.4	3.7	4.1	1.0	1.8	1.9	1.5
Motor vehicles and equipment . . . . .	(1)	5.8	(1)	4.1	(1)	3.4	(1)	1.6	(1)	.8
Motor vehicles . . . . .	(1)	6.2	(1)	4.5	(1)	3.0	(1)	1.5	(1)	.5
Passenger car bodies . . . . .	(1)	8.5	(1)	4.0	(1)	2.9	(1)	1.2	(1)	.5
Truck and bus bodies . . . . .	(1)	5.2	(1)	3.2	(1)	9.2	(1)	4.1	(1)	4.1
Motor vehicle parts and accessories . . . . .	(1)	5.1	(1)	3.7	(1)	3.0	(1)	1.5	(1)	.7
Aircraft and parts . . . . .	2.3	2.3	1.6	1.6	2.4	2.8	.9	1.3	1.2	1.0
Aircraft . . . . .	2.3	2.1	1.5	1.4	1.8	2.5	.7	1.3	.8	.8
Aircraft engines and engine parts . . . . .	1.5	1.7	.9	1.1	2.8	2.9	.7	1.1	1.6	1.3
Other aircraft parts and equipment . . . . .	3.7	3.7	3.1	3.0	3.8	3.6	1.6	1.8	1.5	1.2
Ship and boat building and repairing . . . . .	10.7	9.9	5.2	5.0	8.8	10.8	2.0	2.9	6.2	7.0
Ship building and repairing . . . . .	11.1	10.1	4.9	4.9	8.8	11.7	1.7	2.8	6.4	8.0
Railroad equipment . . . . .	5.5	6.7	2.8	3.4	4.9	6.3	.8	2.1	2.9	2.6
Other transportation equipment . . . . .	6.2	9.0	5.7	8.2	7.2	10.0	3.3	6.7	2.6	1.8
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	2.7	3.3	1.9	2.3	3.2	3.6	1.7	2.0	.9	.7
Engineering and scientific instruments . . . . .	2.7	2.7	2.1	1.7	2.5	2.6	1.2	1.2	.7	.5
Mechanical measuring and control devices . . . . .	2.6	3.8	1.5	2.3	3.1	4.7	1.3	2.4	.9	1.2
Mechanical measuring devices . . . . .	1.9	2.3	1.7	2.0	1.7	3.6	.9	2.1	.4	1.2
Automatic temperature controls . . . . .	3.7	6.1	1.1	2.8	5.4	6.3	1.9	3.0	1.7	1.3
Optical and ophthalmic goods . . . . .	3.3	3.8	2.5	3.2	2.6	3.5	1.3	2.3	.6	.3
Surgical, medical, and dental equipment . . . . .	3.4	2.7	2.5	2.3	3.8	4.1	1.3	2.2	2.0	1.2
Photographic equipment and supplies . . . . .	1.9	2.0	1.7	1.9	3.9	2.7	3.2	2.0	.3	.3
Watches and clocks . . . . .	3.1	6.4	1.6	4.0	3.6	3.7	1.5	2.3	1.2	.6
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	5.6	7.6	4.5	6.1	5.2	5.9	2.4	3.6	2.0	1.3
Jewelry, silverware, and plated ware . . . . .	4.0	5.7	3.4	5.0	3.2	4.9	1.9	3.5	.6	.7
Toys, amusement, and sporting goods . . . . .	6.7	12.9	5.2	10.0	6.9	8.0	2.9	4.8	3.2	1.7
Toys, games, dolls, and play vehicles . . . . .	7.4	15.4	5.9	12.2	7.5	8.4	3.2	5.3	3.5	1.6
Sporting and athletic goods, n.e.c. . . . .	5.2	7.4	3.6	5.2	5.5	6.9	2.2	3.7	2.5	2.0
Pens, pencils, office and art materials . . . . .	3.8	4.6	3.5	3.9	3.1	3.5	1.6	2.4	1.0	.5
Costume jewelry, buttons, and notions . . . . .	6.4	6.3	5.0	5.2	5.9	6.8	3.3	4.4	1.7	1.3
Other manufacturing industries . . . . .	5.3	5.0	4.2	4.3	4.6	4.7	2.0	2.6	1.9	1.3
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	7.3	8.7	4.6	5.8	7.3	9.7	2.4	4.2	4.2	4.6
Meat products . . . . .	5.8	7.0	3.6	4.1	5.1	6.6	2.5	3.5	2.0	2.4
Meat packing . . . . .	5.3	6.4	2.3	2.4	4.0	5.2	1.0	1.7	2.4	3.0
Poultry dressing and packing . . . . .	8.7	11.0	8.0	9.5	8.6	11.3	7.0	8.6	.9	1.6
Grain mill products . . . . .	3.0	3.1	2.4	2.4	3.2	4.2	1.1	2.4	1.6	1.1
Flour and other grain mill products . . . . .	2.7	3.3	2.1	2.4	2.4	4.0	.9	2.1	1.0	1.3
Prepared feeds for animals and fowls . . . . .	3.4	2.9	2.7	2.4	4.2	4.2	1.3	1.9	2.3	1.4
Bakery products . . . . .	3.2	3.7	2.8	3.2	3.3	4.8	1.8	2.8	1.0	1.3
Bread, cake, and perishable products . . . . .	3.2	3.3	2.8	3.0	2.9	4.6	1.8	2.8	.7	1.2
Biscuit, crackers, and pretzels . . . . .	3.1	5.4	2.3	3.9	5.9	5.9	2.1	3.1	2.9	1.8
Confectionery and related products . . . . .	8.9	9.5	6.8	6.9	7.5	6.9	4.1	4.2	2.7	1.9
Candy and other confectionery products . . . . .	10.6	11.0	8.0	8.0	8.5	7.6	4.9	4.7	3.0	2.0
Beverages . . . . .	4.0	5.5	2.5	3.6	5.0	7.1	2.0	3.4	2.3	2.7
Malt liquors . . . . .	3.4	3.3	1.0	1.1	4.9	6.7	.7	1.6	3.7	4.6
<b>TOBACCO MANUFACTURES</b> . . . . .	6.1	14.8	3.6	9.2	5.5	4.6	1.8	2.3	3.2	1.8
Cigarettes . . . . .	1.1	2.0	.7	1.3	.9	2.6	.4	1.9	.1	.1
Cigars . . . . .	3.9	4.6	2.8	3.6	4.1	3.9	2.7	3.0	.9	.5

See footnotes at end of table. NOTE: Data for the current month are preliminary.



ESTABLISHMENT DATA  
LABOR TURNOVER

Table D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964
<i>Nondurable Goods--Continued</i>										
<b>TEXTILE MILL PRODUCTS</b> . . . . .	3.7	4.5	2.8	3.4	3.9	4.7	2.1	3.1	1.0	0.9
Cotton broad woven fabrics . . . . .	3.4	4.1	2.7	3.2	3.1	4.1	2.3	3.1	.2	.3
Silk and synthetic broad woven fabrics . . . . .	3.4	4.0	2.7	3.2	3.6	4.0	2.1	2.8	.5	.5
Weaving and finishing broad woolens . . . . .	3.7	3.7	2.1	2.5	5.5	6.2	1.6	2.9	3.3	2.6
Narrow fabrics and smallwares . . . . .	3.7	4.6	3.2	3.4	3.8	5.2	2.2	3.2	1.0	1.1
Knitting . . . . .	3.8	4.7	2.8	3.5	4.7	4.8	2.1	3.1	1.7	1.1
Full-fashioned hosiery . . . . .	4.7	4.4	2.8	3.4	5.0	4.0	2.2	2.7	.6	.5
Seamless hosiery . . . . .	3.3	3.6	2.6	3.0	3.0	3.5	2.1	2.7	.4	.4
Knit underwear . . . . .	2.3	3.5	1.7	2.7	2.5	3.8	1.6	2.9	.4	.6
Finishing textiles, except wool and knit . . . . .	2.3	2.9	1.9	2.1	2.6	3.6	1.4	2.4	.7	.6
Floor covering . . . . .	5.8	6.3	4.5	5.1	4.2	4.2	2.3	2.8	.9	.5
Yarn and thread . . . . .	4.9	5.9	3.8	4.5	4.5	6.4	2.9	4.0	.8	1.3
Miscellaneous textile goods . . . . .	3.9	4.5	2.3	3.2	4.3	5.2	1.6	2.5	1.8	1.7
<b>APPAREL AND RELATED PRODUCTS</b> . . . . .	5.4	5.9	3.6	3.9	5.8	6.2	2.5	3.1	2.6	2.3
Men's and boys' suits and coats . . . . .	3.6	3.1	2.0	2.1	4.1	3.3	1.3	1.8	2.1	1.0
Men's and boys' furnishings . . . . .	4.5	5.0	3.3	3.8	4.6	5.4	2.9	3.8	1.1	.9
Men's and boys' shirts and nightwear . . . . .	4.4	5.0	3.3	3.8	4.7	5.0	3.1	3.8	.9	.5
Men's and boys' separate trousers . . . . .	3.7	4.5	2.9	3.5	4.6	5.8	2.9	3.5	1.1	1.6
Work clothing: . . . . .	4.2	5.3	3.2	4.1	4.6	5.5	2.9	4.1	1.2	.8
Women's and children's undergarments . . . . .	5.0	5.8	3.8	4.5	4.3	5.2	2.6	3.4	1.0	1.0
Women's and children's underwear . . . . .	4.8	5.8	3.7	4.6	4.6	5.6	2.8	3.7	1.1	1.0
Corsets and allied garments . . . . .	5.5	5.7	4.1	4.2	3.6	4.4	2.1	2.7	.8	1.0
<b>PAPER AND ALLIED PRODUCTS</b> . . . . .	2.6	3.2	2.1	2.7	2.7	4.5	1.3	2.9	.8	.8
Paper and pulp . . . . .	1.3	1.9	1.0	1.5	1.6	4.1	.7	2.9	.5	.7
Paperboard . . . . .	1.6	1.9	1.3	1.5	1.4	3.5	.8	2.4	.2	.5
Converted paper and paperboard products . . . . .	3.3	3.8	2.7	3.3	3.7	5.0	1.8	3.0	1.1	1.0
Bags, except textile bags . . . . .	4.4	5.6	3.2	4.8	4.9	5.5	2.2	3.3	1.7	1.1
Paperboard containers and boxes . . . . .	3.7	4.6	3.2	4.0	3.7	5.0	1.7	3.2	1.2	.8
Folding and setup paperboard boxes . . . . .	4.3	5.4	3.8	4.8	4.4	4.8	2.0	3.1	1.5	.7
Corrugated and solid fiber boxes . . . . .	3.6	4.5	3.1	4.1	3.4	4.6	1.6	3.2	.9	.5
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b> . . . . .	3.1	3.8	2.5	3.0	3.0	4.2	1.5	2.5	.9	1.1
<b>CHEMICALS AND ALLIED PRODUCTS</b> . . . . .	1.8	2.4	1.4	1.7	2.1	3.3	.8	2.0	.9	.7
Industrial chemicals . . . . .	1.2	1.3	1.0	1.0	1.4	2.5	.5	1.6	.4	.3
Plastics and synthetics, except glass . . . . .	1.4	2.0	1.2	1.7	1.5	2.7	.7	1.8	.4	.5
Plastics and synthetics, except fibers . . . . .	1.5	2.2	1.3	1.9	1.8	3.5	.8	2.1	.6	.7
Synthetic fibers . . . . .	1.4	1.8	1.2	1.5	1.2	2.0	.6	1.4	.3	.2
Drugs . . . . .	1.7	2.0	1.4	1.5	1.7	3.0	.9	2.3	.3	.3
Pharmaceutical preparations . . . . .	2.0	2.3	1.6	1.7	1.9	3.2	1.0	2.4	.4	.4
Soap, cleaners, and toilet goods . . . . .	3.1	5.2	2.4	3.4	3.8	5.3	1.2	2.8	1.7	1.4
Soap and detergents . . . . .	2.1	3.3	1.7	2.3	2.9	4.1	.8	2.2	1.5	.9
Toilet preparations . . . . .	5.1	9.4	3.9	5.5	5.1	8.3	1.6	4.2	2.1	2.3
Paints, varnishes, and allied products . . . . .	1.6	2.2	1.5	2.0	2.9	3.9	1.0	2.7	1.3	.6
Other chemical products . . . . .	2.2	3.1	1.2	1.8	2.6	4.1	.8	2.1	1.5	1.4
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b> . . . . .	1.2	1.7	.9	1.3	2.0	3.0	.6	1.5	1.0	.9
Petroleum refining . . . . .	.9	1.2	.7	.9	1.2	2.4	.4	1.0	.4	.8
Other petroleum and coal products . . . . .	2.0	3.6	1.7	3.0	5.4	5.6	1.4	3.4	3.4	1.3
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b> . . . . .	3.5	4.8	2.6	3.8	4.2	4.8	1.7	2.8	1.7	1.1
Tires and inner tubes . . . . .	1.4	1.7	.7	.9	1.8	2.0	.3	1.0	1.0	.5
Other rubber products . . . . .	3.1	4.4	2.1	3.2	3.9	4.1	1.5	2.3	1.7	1.0
Miscellaneous plastic products . . . . .	5.2	7.0	4.3	6.0	5.7	7.0	2.5	4.3	2.0	1.6

See footnotes at end of table. NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA LABOR TURNOVER

62

Table D-2: Labor turnover rates, by industry--Continued

Industry	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964	Oct. 1964	Sept. 1964
<i>Nondurable Goods--Continued</i>										
LEATHER AND LEATHER PRODUCTS . . . . .	5.0	4.9	3.5	3.6	5.4	6.0	2.8	3.6	1.7	1.6
Leather tanning and finishing . . . . .	3.5	4.1	2.6	2.9	4.0	4.3	1.3	2.4	2.1	1.1
Footwear, except rubber . . . . .	5.0	4.4	3.3	3.3	5.7	6.0	3.0	3.6	1.8	1.6
NONMANUFACTURING										
METAL MINING . . . . .	2.6	2.9	2.0	2.2	2.7	4.3	1.1	3.2	1.1	.4
Iron ores . . . . .	1.5	1.7	.8	1.0	2.8	2.2	.2	1.1	2.3	.3
Copper ores . . . . .	2.3	2.6	1.3	1.6	1.3	4.9	.8	3.6	.1	.4
COAL MINING . . . . .	1.9	2.0	.9	1.1	1.4	2.0	.6	.7	.5	.9
Bituminous . . . . .	1.8	2.1	.9	1.1	1.4	1.8	.6	.7	.4	.7
COMMUNICATIONS:										
Telephone communication . . . . .	(1)	1.8	-	-	(1)	3.1	(1)	2.0	(1)	.7
Telegraph communication <sup>2/</sup> . . . . .	(1)	1.3	-	-	(1)	3.0	(1)	1.2	(1)	.8

<sup>1</sup>Not available.

<sup>2</sup>Less than 0.05.

<sup>3</sup>Data relate to all employees except messengers.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA

## SEASONALLY ADJUSTED LABOR TURNOVER

**Table D-4: Labor turnover rates in manufacturing, 1954 to date  
seasonally adjusted**

(Per 100 employees)												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total accessions</b>												
1954.....	3.5	3.4	3.6	3.1	3.3	3.5	3.5	3.4	3.6	4.0	4.6	4.3
1955.....	4.1	4.3	4.7	4.5	4.6	4.3	4.2	4.6	4.5	4.6	4.7	4.3
1956.....	4.2	4.2	4.0	4.3	4.2	4.0	4.0	3.9	4.2	4.8	4.3	4.0
1957.....	4.0	3.9	3.7	3.7	3.6	3.8	3.9	3.3	3.3	3.3	3.1	3.0
1958.....	3.1	3.1	3.2	3.3	3.5	3.7	3.9	3.9	4.0	3.9	3.9	4.2
1959 <sup>1</sup> .....	4.0	4.3	4.6	4.3	4.1	4.2	4.1	4.1	4.0	3.8	4.2	5.6
1960.....	4.2	4.1	3.7	3.6	3.8	3.7	3.6	3.9	3.8	3.5	3.7	3.6
1961.....	3.9	3.7	4.4	4.2	4.2	4.0	4.0	4.2	3.7	4.3	4.3	4.1
1962.....	4.3	4.2	4.1	4.1	4.2	4.0	4.2	4.0	3.9	3.9	3.8	3.8
1963.....	3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.8	3.8	3.9	3.7	4.0
1964.....	3.8	4.0	4.0	3.9	3.8	4.1	4.0	4.0	3.8	3.9		
<b>New hires</b>												
1954.....	1.9	1.9	1.9	1.6	1.7	1.8	1.9	1.8	1.9	2.0	2.5	2.4
1955.....	2.4	2.6	3.0	2.9	3.0	2.9	2.9	3.2	3.1	3.1	3.5	3.2
1956.....	3.0	3.0	2.6	2.8	2.8	2.7	2.5	2.6	2.6	2.9	2.8	2.9
1957.....	2.8	2.5	2.4	2.4	2.3	2.4	2.4	2.1	1.9	1.9	1.6	1.3
1958.....	1.4	1.4	1.3	1.5	1.5	1.6	1.8	1.8	2.0	2.0	2.1	2.2
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.7	2.4	2.4	2.7
1960.....	2.6	2.8	2.4	2.2	2.3	2.2	2.1	2.2	2.1	1.9	1.9	1.8
1961.....	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.5	2.6	2.5
1962.....	2.7	2.7	2.6	2.6	2.7	2.5	2.5	2.4	2.4	2.3	2.3	2.2
1963.....	2.3	2.3	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.6
1964.....	2.4	2.6	2.6	2.6	2.5	2.6	2.5	2.5	2.7	2.5		
<b>Total separations</b>												
1954.....	5.1	4.7	4.5	4.5	3.9	3.9	3.8	3.7	3.8	3.8	3.7	4.0
1955.....	3.5	3.3	3.6	3.7	3.9	4.1	4.2	4.2	4.3	4.0	3.8	3.9
1956.....	4.2	4.9	4.2	4.0	4.5	4.4	3.9	4.2	4.3	4.0	4.0	3.7
1957.....	3.9	4.0	4.0	3.9	4.1	3.9	3.8	4.3	4.3	4.5	4.8	4.9
1958.....	5.4	4.8	4.9	4.6	4.2	3.8	3.8	3.7	3.6	3.8	3.6	3.7
1959 <sup>1</sup> .....	3.7	3.6	3.6	3.8	3.8	3.9	4.0	4.2	4.2	5.0	4.6	4.1
1960.....	3.5	4.1	4.4	4.4	4.3	4.4	4.4	4.3	4.3	4.3	4.4	5.0
1961.....	4.6	4.6	4.2	3.6	3.8	4.0	4.0	3.8	4.1	3.9	3.9	4.1
1962.....	3.8	4.0	4.0	3.9	4.2	4.2	4.3	4.6	4.0	4.1	3.9	3.9
1963.....	3.9	3.8	3.9	3.9	4.0	3.8	3.9	4.3	3.9	3.8	3.9	3.8
1964.....	3.9	3.9	3.9	3.8	3.9	3.9	4.2	3.8	4.1	3.7		
<b>Quits</b>												
1954.....	1.7	1.6	1.4	1.4	1.3	1.3	1.4	1.3	1.3	1.3	1.5	1.6
1955.....	1.5	1.6	1.7	1.8	1.8	1.8	1.9	2.0	2.1	2.0	2.1	2.0
1956.....	2.0	2.1	2.0	1.9	1.9	2.0	1.8	2.0	1.9	1.9	1.9	1.9
1957.....	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.7	1.6	1.4	1.3	1.2
1958.....	1.1	1.1	1.0	.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1960.....	1.5	1.6	1.5	1.5	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.4	1.5	1.5	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.3
1963.....	1.4	1.3	1.5	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
1964.....	1.5	1.5	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.5		
<b>Layoffs</b>												
1954.....	2.9	2.7	2.8	2.8	2.3	2.4	2.2	2.2	2.1	1.9	1.7	1.8
1955.....	1.5	1.4	1.5	1.4	1.4	1.7	1.9	1.6	1.4	1.5	1.3	1.4
1956.....	1.6	2.3	1.8	1.6	2.1	1.9	1.7	1.5	1.8	1.5	1.6	1.5
1957.....	1.5	1.7	1.6	1.7	2.0	1.7	1.8	2.1	2.3	2.7	3.0	2.7
1958.....	3.4	3.3	3.4	3.3	3.0	2.4	2.5	2.3	2.1	2.1	1.9	1.9
1959.....	1.8	1.7	1.7	1.7	1.6	1.7	1.9	2.0	2.0	2.9	2.5	1.9
1960.....	1.5	1.9	2.3	2.3	2.3	2.5	2.4	2.6	2.5	2.6	2.7	2.8
1961.....	2.7	3.0	2.4	2.1	2.2	2.3	2.2	1.9	2.2	1.9	1.9	2.0
1962.....	1.8	1.9	1.7	1.8	2.0	2.0	2.1	2.3	1.9	2.1	2.0	1.9
1963.....	1.9	1.8	1.8	1.9	1.9	1.8	1.9	2.0	1.9	1.8	1.8	1.7
1964.....	1.7	1.8	1.8	1.7	1.7	1.6	2.0	1.4	1.5	1.5		

<sup>1</sup>Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

64

Table D-5: Labor turnover rates in manufacturing for selected States and areas

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964
ALABAMA <sup>1</sup>	3.8	4.4	2.5	2.4	4.3	3.8	2.2	1.9	1.6	1.4
Birmingham.....	3.4	3.5	1.9	1.9	3.0	3.2	1.5	1.0	.9	1.5
Mobile <sup>1</sup> .....	6.7	13.9	2.5	2.5	12.9	7.9	1.7	1.4	10.6	6.1
ALASKA.....	13.2	12.9	11.3	10.7	36.6	38.7	9.2	9.0	26.5	28.9
ARIZONA.....	5.8	5.3	3.7	3.5	4.9	5.0	2.7	2.5	1.3	1.7
Phoenix.....	6.1	5.3	3.8	3.6	4.9	5.0	2.6	2.5	1.4	1.6
ARKANSAS.....	7.0	6.8	5.9	5.9	7.1	6.2	4.6	4.4	1.5	.9
Fort Smith.....	7.2	7.2	6.7	6.8	6.7	6.4	3.9	4.9	1.7	.5
Little Rock-North Little Rock.....	5.2	6.3	4.6	5.5	5.8	5.9	3.9	4.1	.9	.7
Pine Bluff.....	6.3	7.9	5.6	7.0	5.6	5.5	4.7	4.2	.1	.8
CALIFORNIA <sup>1</sup>	4.8	5.1	3.7	3.5	5.3	5.3	2.7	2.3	1.7	2.1
Los Angeles-Long Beach <sup>1</sup> .....	4.8	5.4	3.7	3.6	5.2	5.3	2.7	2.3	1.5	2.0
Sacramento <sup>1</sup> .....	1.8	2.4	1.2	1.1	5.3	3.3	1.5	1.2	3.2	1.7
San Bernardino-Riverside-Ontario <sup>1</sup> .....	4.6	4.8	3.9	3.5	4.7	4.8	2.9	2.3	1.0	1.6
San Diego <sup>1</sup> .....	3.4	2.7	2.3	2.1	3.8	3.4	1.6	1.4	1.8	1.3
San Francisco-Oakland <sup>1</sup> .....	5.8	5.4	4.0	3.5	6.2	7.3	2.3	1.8	2.9	4.7
San Jose <sup>1</sup> .....	2.6	3.5	2.1	2.6	4.4	3.6	2.2	1.8	1.4	1.0
Stockton <sup>1</sup> .....	8.7	4.2	6.6	3.1	7.9	4.2	4.9	2.5	1.9	1.1
COLORADO.....	5.1	5.3	3.5	3.7	6.4	5.1	3.3	2.5	2.5	2.0
CONNECTICUT.....	3.2	2.8	2.4	2.2	3.8	2.6	2.3	1.5	.9	.5
Bridgeport.....	2.8	2.5	2.3	1.9	3.5	2.2	2.2	1.4	.7	.3
Hartford.....	2.2	1.9	1.9	1.5	2.8	1.9	2.0	1.2	.5	.2
New Britain.....	3.9	3.2	2.7	2.3	3.7	2.6	2.0	1.3	.7	.4
New Haven.....	4.1	4.0	2.8	3.1	3.5	3.3	2.1	1.8	.4	.5
Stamford.....	3.2	3.2	2.6	2.7	3.6	2.6	2.4	1.7	.4	.3
Waterbury.....	3.3	2.4	2.1	1.5	3.6	2.0	2.1	1.1	.7	.4
DELAWARE <sup>1</sup>	5.0	12.5	4.1	3.1	3.8	6.6	2.3	1.4	.6	4.6
Wilmington <sup>1</sup> .....	4.4	11.4	3.4	2.7	3.6	6.1	2.2	1.1	.6	4.3
DISTRICT OF COLUMBIA:										
Washington.....	3.7	3.8	3.5	3.4	4.1	4.0	2.7	2.7	.4	.4
FLORIDA.....	5.2	5.2	3.9	4.2	5.2	5.8	2.7	3.0	1.7	1.8
Jacksonville.....	6.1	6.7	4.3	4.2	6.1	6.0	3.2	3.7	2.1	1.5
Miami.....	6.9	5.0	5.9	4.0	4.8	4.7	3.0	2.2	.9	1.5
Tampa-St. Petersburg.....	4.2	5.3	2.6	3.7	6.4	5.3	1.8	2.5	3.4	1.3
GEORGIA.....	4.8	7.8	3.7	4.7	4.4	7.4	2.8	3.1	.8	3.4
Atlanta <sup>2</sup> .....	5.3	10.6	4.7	4.2	4.5	10.0	2.7	2.8	.5	6.2
HAWAII <sup>3</sup> .....	2.9	2.8	2.3	2.3	4.1	3.9	2.0	2.1	.7	.8
IDAHO <sup>4</sup> .....	5.5	4.8	5.0	4.2	7.4	5.6	5.4	3.6	1.3	1.4
INDIANA <sup>1</sup> .....	3.7	4.3	2.9	3.0	4.0	3.6	2.5	2.0	.9	1.0
Indianapolis <sup>5</sup> .....	3.0	3.3	2.5	2.2	2.7	2.6	1.7	1.5	.4	.5
IOWA.....	4.6	4.1	3.0	2.6	4.5	5.0	2.5	2.0	1.4	2.5
Des Moines.....	4.3	4.7	3.4	3.9	5.8	5.6	3.4	2.1	1.6	2.7
KANSAS.....	4.2	4.4	3.0	3.0	3.9	4.7	2.1	2.3	1.0	1.7
Topeka.....	2.5	3.0	2.2	2.5	4.9	4.3	3.0	2.2	.9	1.7
Wichita.....	4.0	3.0	2.5	2.3	2.8	2.6	1.5	1.3	.4	.6
KENTUCKY.....	3.8	3.7	2.6	2.4	3.5	3.3	2.2	1.9	.7	.8
Louisville.....	3.8	3.3	2.6	2.2	3.4	2.9	1.9	1.5	.7	.8
LOUISIANA.....	4.9	4.7	2.6	3.3	4.5	4.2	1.8	1.7	1.9	1.8
New Orleans <sup>6</sup> .....	7.1	5.9	3.3	3.7	5.4	5.3	2.0	1.9	2.6	2.5

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

Table D-5: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964
MAINE.....	5.1	7.0	3.6	5.7	8.5	6.5	4.6	3.6	3.2	2.0
Portland.....	4.1	4.0	3.4	3.5	8.0	5.4	5.1	2.6	2.3	1.9
MARYLAND.....	4.8	5.7	3.2	3.3	6.4	5.1	2.7	2.0	2.8	2.4
Baltimore.....	4.4	5.1	2.8	2.6	5.1	5.1	2.5	1.8	1.8	2.8
MASSACHUSETTS.....	4.3	4.5	3.1	2.9	4.8	4.2	2.8	2.1	1.1	1.3
Boston.....	3.8	4.5	2.8	2.6	4.2	3.9	2.5	1.9	1.0	1.3
Fall River.....	4.5	6.8	3.0	4.3	4.9	5.0	2.0	2.2	2.0	1.9
New Bedford.....	5.2	5.5	3.9	3.9	4.7	5.4	2.8	2.8	.9	1.8
Springfield-Chicopee-Holyoke.....	3.6	3.5	2.7	2.5	4.2	4.4	2.6	1.9	1.0	1.6
Worcester.....	3.7	3.4	2.8	2.4	4.5	3.2	2.4	1.7	1.0	.8
MICHIGAN.....	5.0	7.9	3.4	3.3	4.0	5.1	1.9	1.3	1.1	2.2
Detroit.....	5.2	10.1	3.7	3.9	3.9	3.6	1.7	1.2	.9	1.0
Grand Rapids.....	6.0	3.0	3.9	1.4	5.4	2.5	2.3	1.1	1.4	.5
Lansing.....	5.1	4.6	4.0	2.2	4.0	20.4	1.2	.9	.8	17.4
Muskegon-Muskegon Heights.....	3.1	4.1	1.6	2.2	3.6	3.1	2.0	1.8	1.0	.7
Saginaw.....	5.1	5.0	2.7	1.8	7.1	5.4	1.5	1.2	4.7	.3
MINNESOTA.....	5.7	6.5	3.5	3.8	7.6	5.0	3.1	2.0	3.5	2.3
Duluth-Superior.....	6.1	4.4	5.0	2.3	4.7	2.7	2.9	1.5	1.1	.6
Minneapolis-St. Paul.....	4.9	5.4	2.6	2.6	5.5	4.7	2.4	1.7	1.9	2.1
MISSISSIPPI.....	5.6	5.8	4.4	4.7	5.2	5.2	3.3	3.2	1.2	1.2
Jackson.....	5.9	5.8	5.1	5.2	5.1	4.9	3.6	3.6	.8	.7
MISSOURI.....	4.0	4.4	3.1	2.8	4.3	5.3	2.7	2.3	1.0	2.3
Kansas City.....	4.3	4.3	3.5	3.1	4.4	4.6	2.7	2.4	1.0	1.4
St. Louis.....	3.6	4.3	2.7	2.6	3.9	5.1	2.2	1.9	1.0	2.6
MONTANA <sup>4</sup> .....	5.3	4.9	4.0	4.3	7.7	5.3	5.1	3.1	1.3	.7
NEBRASKA.....	5.1	4.9	3.9	3.5	5.8	5.0	4.0	2.9	1.3	1.5
NEVADA.....	5.2	4.8	5.1	4.6	8.3	8.0	3.8	4.4	2.5	2.1
NEW HAMPSHIRE.....	4.4	4.8	3.6	4.0	5.1	4.3	3.4	2.7	.9	.8
NEW MEXICO.....	5.2	4.5	4.7	3.8	6.3	6.3	3.9	3.0	.9	1.6
Albuquerque.....	3.9	3.0	3.4	2.5	5.1	5.2	3.3	2.9	.7	1.5
NEW YORK.....	4.9	4.9	3.5	3.1	4.6	4.0	2.2	1.6	1.7	1.7
Albany-Schenectady-Troy.....	2.8	2.7	1.7	1.6	3.5	2.8	1.5	1.0	.9	.9
Binghamton.....	2.8	2.8	2.0	2.0	3.0	2.5	2.0	1.4	.2	.3
Buffalo.....	3.5	4.7	2.5	2.8	3.6	3.4	1.9	1.1	1.1	1.8
Elmira.....	4.1	3.9	2.9	2.1	4.0	2.6	2.5	1.3	1.0	.9
Nassau and Suffolk Counties <sup>7</sup> .....	3.6	4.0	2.8	2.7	5.0	3.8	2.2	1.7	2.1	1.4
New York SMSA.....	5.1	5.6	3.4	3.2	5.1	4.5	1.9	1.5	2.2	2.0
New York City <sup>7</sup> .....	5.0	6.0	3.6	2.2	5.2	4.5	1.8	1.5	2.4	2.0
Rochester.....	3.2	2.8	2.8	2.5	3.3	2.3	2.4	1.4	.4	.4
Syracuse.....	3.5	3.4	2.6	2.8	4.4	3.0	2.7	1.5	.9	.9
Utica-Rome.....	4.5	3.9	2.8	2.7	3.3	2.7	1.8	.9	.8	1.2
Westchester County <sup>7</sup> .....	9.1	5.3	3.8	2.9	4.8	7.6	2.3	2.0	1.7	5.0
NORTH CAROLINA.....	6.0	5.6	4.7	4.4	4.5	4.3	3.2	3.2	.7	.5
Charlotte.....	4.2	4.7	3.5	4.2	3.6	4.4	3.0	3.3	.1	.5
Greensboro-High Point.....	4.3	4.3	3.8	3.8	4.9	4.8	3.4	3.7	.7	.3
NORTH DAKOTA.....	4.1	4.3	3.5	3.0	8.4	4.3	4.0	2.3	3.2	1.7
Fargo-Moorhead.....	15.0	5.2	5.3	3.4	5.5	4.2	4.0	2.9	.5	.8

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

66

Table D-5: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964
OHIO.....	3.6	4.1	2.7	2.7	3.7	2.9	2.1	1.3	0.9	1.1
Akron.....	2.6	2.5	2.1	1.7	2.3	1.4	1.2	.7	.5	.3
Canton.....	5.1	4.2	3.8	2.6	4.1	2.7	2.0	1.3	.8	.4
Cincinnati.....	2.6	4.4	2.1	2.3	3.5	3.2	1.7	1.2	1.2	1.5
Cleveland.....	3.0	3.5	2.3	2.4	3.6	2.9	2.3	1.4	.6	.8
Columbus.....	3.0	3.4	2.1	2.3	3.2	3.4	1.6	1.2	1.0	1.6
Dayton.....	3.3	3.3	2.5	2.6	3.4	2.6	2.2	1.2	.4	1.0
Toledo.....	3.2	4.1	2.0	1.8	3.4	3.5	1.9	1.0	.6	1.6
Youngstown-Warren.....	3.5	6.1	2.6	3.5	3.4	3.9	2.3	1.1	.5	2.3
OKLAHOMA <sup>8</sup> .....	4.3	4.6	3.6	3.3	4.4	4.2	2.9	2.9	1.0	.7
Oklahoma City.....	5.6	6.5	4.3	4.7	5.2	5.5	3.0	2.9	1.2	1.7
Tulsa <sup>8</sup> .....	4.2	3.7	4.1	3.6	5.0	4.4	3.4	3.3	1.1	.6
OREGON <sup>1</sup> .....	5.9	5.3	5.2	4.6	8.0	5.7	4.9	3.3	2.2	1.4
Portland <sup>1</sup> .....	5.5	4.5	4.8	3.7	7.4	4.9	3.7	2.3	2.8	1.7
PENNSYLVANIA.....	3.7	3.7	2.5	2.4	3.9	3.2	2.0	1.5	1.3	1.2
Allentown-Bethlehem-Easton.....	3.9	3.6	2.9	2.2	3.5	3.4	2.1	1.5	.9	1.5
Erie.....	4.9	4.7	3.5	2.9	3.8	3.2	2.2	1.6	1.0	1.1
Harrisburg.....	3.8	3.6	2.1	2.3	3.9	2.8	1.8	1.4	1.5	.8
Lancaster.....	3.3	3.1	2.7	2.4	3.9	2.9	2.6	2.0	.7	.5
Philadelphia.....	3.2	3.9	2.3	2.6	3.5	2.9	1.8	1.4	1.1	.9
Pittsburgh.....	2.4	2.5	1.8	1.4	2.8	2.3	1.4	.8	.9	.9
Reading.....	3.8	4.7	3.0	3.1	5.1	2.9	2.4	1.7	2.1	.6
Scranton.....	4.3	4.0	2.9	2.5	5.4	4.0	1.9	1.5	3.0	2.1
Wilkes-Barre-Hazleton.....	3.5	4.9	2.1	2.7	4.4	4.5	1.7	1.7	2.1	2.3
York.....	3.3	6.0	2.7	4.2	3.9	4.5	2.6	2.9	.7	1.2
RHODE ISLAND.....	6.3	5.6	4.9	3.9	6.4	5.3	3.7	2.6	1.7	1.9
Providence-Pawtucket-Warwick.....	5.5	5.8	4.2	4.1	5.8	5.1	3.4	2.6	1.5	1.7
SOUTH CAROLINA <sup>9</sup> .....	4.1	4.3	3.3	3.3	4.7	4.6	3.2	3.1	.7	.6
Charleston.....	4.8	4.1	3.5	2.5	5.9	6.4	2.4	2.7	2.8	3.0
SOUTH DAKOTA.....	5.3	3.1	2.1	1.9	6.9	6.5	3.2	2.4	2.7	3.7
Sioux Falls.....	4.6	2.9	1.3	1.2	6.3	7.7	3.0	2.2	2.6	4.9
TENNESSEE.....	2.7	3.9	2.1	2.9	2.6	3.4	1.6	1.9	.6	.8
Chattanooga <sup>6</sup> .....	3.3	2.9	2.3	1.9	3.1	3.7	2.0	1.9	.7	.7
Knoxville.....	2.6	1.9	.9	1.4	2.7	2.2	1.6	1.2	.9	.7
Memphis.....	5.7	4.9	4.3	4.0	4.6	5.3	2.7	2.7	.9	1.6
Nashville.....	4.4	3.2	3.4	2.6	3.8	2.6	2.7	1.8	.5	.4
TEXAS <sup>10</sup> .....	3.7	3.8	3.1	3.2	4.3	3.9	2.8	2.5	.8	.7
Dallas <sup>10</sup> .....	3.5	3.9	3.0	3.4	4.5	4.7	2.9	2.8	1.0	1.2
Fort Worth <sup>10</sup> .....	7.2	5.1	6.5	3.9	6.6	4.2	4.9	2.5	1.1	1.2
Houston <sup>10</sup> .....	3.7	3.4	3.3	2.9	4.1	3.4	2.6	2.2	.6	.4
San Antonio <sup>10</sup> .....	2.8	3.2	2.4	2.8	3.0	3.6	2.0	2.1	.4	.9
UTAH <sup>4</sup> .....	3.6	3.4	2.6	2.3	5.7	4.5	3.3	2.2	1.8	1.9
Salt Lake City <sup>4</sup> .....	3.3	3.6	3.0	2.8	4.5	3.8	3.2	2.3	.7	1.1
VERMONT.....	4.4	3.7	3.6	3.1	4.2	2.7	2.8	1.7	.7	.5
Burlington.....	5.4	3.0	3.9	2.2	4.2	2.8	2.1	1.3	1.6	1.3
Springfield.....	2.6	2.1	2.4	1.8	4.0	2.1	3.3	1.6	.1	.1
VIRGINIA.....	4.5	5.1	3.2	3.8	3.9	4.0	2.7	2.5	.6	.8
Norfolk-Portsmouth.....	4.2	3.3	3.3	2.8	3.9	3.5	1.8	1.7	1.5	1.0
Richmond.....	4.2	5.1	3.6	3.9	4.1	3.8	2.9	2.6	.4	.3
Roanoke.....	3.9	3.8	3.3	3.1	3.2	2.8	2.5	2.1	.1	(11)

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA

## STATE AND AREA LABOR TURNOVER

Table D-5: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964	Sept. 1964	Aug. 1964
WASHINGTON <sup>12</sup>	4.7	4.0	3.7	3.1	6.2	4.2	4.1	2.3	1.3	1.1
Seattle-Everett <sup>12</sup>	3.7	3.5	2.7	2.4	4.6	3.6	2.9	1.9	1.1	1.1
Spokane <sup>12</sup>	3.7	4.2	3.0	2.9	7.6	4.6	3.1	1.9	3.7	2.1
Tacoma <sup>12</sup>	5.6	4.4	4.4	3.6	7.2	4.7	3.8	2.1	2.8	1.7
WEST VIRGINIA	3.4	2.8	1.6	1.7	3.2	2.9	1.5	1.2	1.0	1.2
Charleston	.6	.7	.4	.2	1.6	3.1	.9	1.3	.4	1.5
Huntington-Ashland	2.3	2.4	1.6	1.0	3.1	2.3	1.4	1.3	1.3	.7
Wheeling	4.5	2.9	1.8	1.4	3.2	2.6	1.8	1.0	.6	.9
WISCONSIN	4.8	7.5	3.5	4.0	6.2	5.1	3.3	2.5	2.1	1.9
Green Bay	5.8	3.9	4.2	3.1	5.6	3.3	3.5	2.2	1.2	.6
Kenosha	6.4	15.8	1.4	1.3	3.1	2.5	1.4	1.0	1.4	1.2
LaCrosse	4.5	5.6	3.1	1.7	8.1	4.6	2.4	1.7	5.0	.9
Madison	4.4	5.0	3.2	2.9	4.7	3.3	3.3	2.1	.9	.8
Milwaukee	3.7	5.6	2.7	2.5	4.0	3.4	2.6	2.1	.7	.5
Racine	5.1	4.8	4.4	4.0	4.6	3.5	3.4	2.6	.5	.3
WYOMING <sup>4</sup>	3.8	4.8	3.3	4.4	5.4	6.2	3.1	4.8	1.1	.6

<sup>1</sup> Excludes canning and preserving.<sup>2</sup> Excludes agricultural chemicals and miscellaneous manufacturing.<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.<sup>4</sup> Excludes canning and preserving, and sugar.<sup>5</sup> Excludes canning and preserving, and newspapers.<sup>6</sup> Excludes printing and publishing.<sup>7</sup> Subarea of New York Standard Metropolitan Statistical Area.<sup>8</sup> Excludes new-hire rate for transportation equipment.<sup>9</sup> Excludes tobacco stemming and redrying.<sup>10</sup> Excludes canning and preserving, sugar, and tobacco.<sup>11</sup> Less than 0.05.<sup>12</sup> Excludes canning and preserving, printing and publishing.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

# SPECIAL SECTION

## CONTENTS

### Monthly Data, 1962 to Date

Page

Table A: Employees on nonagricultural payrolls, by industry, 1962 to date.....	71
Table B: Production workers on manufacturing payrolls, 1962 to date.....	73
Table C: Gross hours and earnings of production workers on manufacturing payrolls, 1962 to date.....	73
Table D: Employees on nonagricultural payrolls, by industry, seasonally adjusted, 1962 to date.....	74
Table E: Production workers on manufacturing payrolls, seasonally adjusted, 1962 to date.....	76
Table F: Average weekly hours of production workers on manufacturing payrolls, seasonally adjusted, 1962 to date.....	76

### Seasonal Factors

Table 1: Seasonal adjustment factors for employees in nonagricultural establishments, by industry division and groups.....	77
Table 2: Seasonal adjustment factors for labor turnover rates in manufacturing.....	77
Table 3: Seasonal adjustment factors for average weekly hours of production workers in selected industries....	78
Table 4: Seasonal adjustment factors for production workers in manufacturing.....	78



**Table A: Employees on nonagricultural payrolls, by industry**  
1962 to date  
(In thousands)

Year	Annual Average	January	February	March	April	May	June	July	August	September	October	November	December
<b>TOTAL</b>													
1962	55,515	53,766	53,861	54,145	54,995	55,424	56,020	55,807	56,052	56,533	56,559	56,401	56,615
1963	56,643	54,927	54,874	55,184	55,985	56,435	57,076	56,926	57,148	57,656	57,842	57,647	58,012
1964		56,328	56,445	56,783	57,329	57,874	58,596	58,418	58,680				
<b>MINING</b>													
1962	650	652	648	645	652	661	664	652	661	654	648	639	629
1963	635	616	612	614	630	640	652	648	651	647	642	639	634
1964		618	614	615	627	634	651	646	647				
<b>CONTRACT CONSTRUCTION</b>													
1962	2,902	2,426	2,418	2,480	2,769	2,961	3,068	3,227	3,284	3,224	3,179	3,036	2,750
1963	2,983	2,556	2,439	2,518	2,804	3,007	3,184	3,313	3,384	3,324	3,277	3,121	2,872
1964		2,579	2,631	2,707	2,921	3,130	3,308	3,424	3,482				
<b>MANUFACTURING</b>													
1962	16,853	16,450	16,535	16,614	16,730	16,779	16,962	16,874	17,035	17,244	17,151	17,014	16,851
1963	17,005	16,673	16,666	16,731	16,819	16,927	17,076	17,015	17,164	17,366	17,329	17,193	17,096
1964		16,893	16,937	17,005	17,058	17,135	17,350	17,299	17,498				
<b>DURABLE GOODS</b>													
1962	9,481	9,250	9,314	9,369	9,454	9,509	9,579	9,495	9,443	9,626	9,618	9,589	9,527
1963	9,625	9,458	9,448	9,477	9,561	9,638	9,704	9,628	9,570	9,764	9,773	9,752	9,723
1964		9,626	9,634	9,692	9,756	9,798	9,903	9,855	9,836				
<b>ORDNANCE AND ACCESSORIES</b>													
1962	268.8	254.8	257.0	262.6	264.6	265.5	266.7	271.7	277.0	275.7	275.8	277.1	276.8
1963	274.1	275.6	275.0	273.6	269.9	270.8	272.4	273.7	273.7	274.8	275.7	275.9	277.6
1964		275.8	270.8	269.0	266.5	262.4	257.9	254.2	249.2				
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b>													
1962	589.3	552.4	559.3	557.1	576.1	594.3	618.1	614.6	621.4	611.8	602.8	590.8	573.3
1963	586.6	561.8	556.6	561.0	572.2	595.4	585.4	589.9	609.1	615.5	607.5	599.1	585.1
1964		565.5	568.1	570.8	582.7	597.3	620.1	623.3	625.0				
<b>FURNITURE AND FIXTURES</b>													
1962	385.1	375.1	377.4	379.5	380.9	383.2	386.4	382.2	391.8	392.5	392.9	391.4	387.5
1963	388.9	383.9	382.1	382.5	382.1	382.0	387.0	385.5	395.4	397.9	398.0	396.3	393.6
1964		388.5	389.6	392.4	394.1	391.9	401.4	400.8	408.5				
<b>STONE, CLAY, AND GLASS PRODUCTS</b>													
1962	592.3	559.3	561.0	564.7	585.8	599.3	610.2	611.0	616.1	613.4	608.5	598.3	579.5
1963	601.6	563.6	559.2	569.6	594.1	609.3	620.8	623.5	629.1	623.1	617.1	612.9	597.0
1964		577.6	582.7	591.7	606.6	618.6	634.2	635.7	640.3				
<b>PRIMARY METAL INDUSTRIES</b>													
1962	1,165.6	1,197.4	1,211.8	1,219.1	1,219.9	1,192.8	1,164.6	1,134.2	1,135.4	1,137.9	1,125.5	1,121.3	1,127.6
1963	1,171.7	1,127.9	1,142.1	1,158.1	1,181.2	1,197.8	1,215.5	1,201.7	1,177.1	1,172.0	1,158.3	1,158.2	1,170.1
1964		1,173.8	1,188.0	1,196.4	1,209.1	1,220.7	1,234.0	1,234.6	1,241.2				
<b>FABRICATED METAL PRODUCTS</b>													
1962	1,127.7	1,106.3	1,104.3	1,110.1	1,120.2	1,131.1	1,139.2	1,126.2	1,127.1	1,147.0	1,145.5	1,140.7	1,134.2
1963	1,152.6	1,122.9	1,119.8	1,120.9	1,133.2	1,146.8	1,162.8	1,148.4	1,160.4	1,179.1	1,182.9	1,178.7	1,175.3
1964		1,162.6	1,164.5	1,171.4	1,180.9	1,186.3	1,202.6	1,187.2	1,209.2				
<b>MACHINERY</b>													
1962	1,493.2	1,446.1	1,462.0	1,483.4	1,496.2	1,499.8	1,512.7	1,502.2	1,499.6	1,504.7	1,502.1	1,503.7	1,506.1
1963	1,531.3	1,511.8	1,516.5	1,525.7	1,529.7	1,527.2	1,534.4	1,523.6	1,527.2	1,535.9	1,538.8	1,542.9	1,561.5
1964		1,567.7	1,566.5	1,593.0	1,603.0	1,607.9	1,622.5	1,618.0	1,617.3				
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>													
1962	1,568.3	1,530.6	1,540.0	1,545.1	1,549.5	1,555.7	1,575.6	1,569.1	1,577.6	1,593.2	1,596.6	1,596.1	1,590.6
1963	1,556.6	1,576.2	1,564.0	1,552.9	1,547.9	1,547.9	1,555.3	1,540.5	1,547.5	1,565.0	1,569.4	1,558.8	1,554.2
1964		1,541.6	1,528.4	1,523.1	1,518.8	1,516.3	1,529.2	1,531.0	1,544.7				
<b>TRANSPORTATION EQUIPMENT</b>													
1962	1,542.6	1,511.1	1,517.8	1,516.2	1,521.4	1,539.9	1,549.6	1,536.9	1,432.3	1,578.1	1,594.0	1,603.2	1,610.8
1963	1,609.3	1,613.0	1,605.9	1,600.4	1,613.1	1,616.6	1,616.0	1,594.7	1,479.1	1,620.7	1,644.0	1,651.8	1,656.7
1964		1,640.5	1,634.5	1,637.6	1,642.8	1,639.7	1,629.9	1,609.2	1,517.9				
<b>INSTRUMENTS AND RELATED PRODUCTS</b>													
1962	358.7	354.1	354.1	356.6	356.7	357.6	359.3	358.2	361.9	361.6	361.3	361.5	361.3
1963	364.7	359.8	359.4	359.9	361.3	361.2	366.7	364.8	369.0	368.0	368.2	369.0	368.5
1964		366.4	365.3	366.3	365.7	364.9	368.9	368.2	370.8				
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>													
1962	389.6	363.0	369.3	374.2	383.0	389.6	397.0	389.1	403.1	409.8	413.1	404.4	379.3
1963	387.4	361.9	367.6	372.0	375.8	383.1	387.2	382.0	402.3	412.0	412.7	407.9	383.8
1964		366.0	375.8	379.9	386.1	392.0	402.3	393.1	411.9				

**Table A: Employees on nonagricultural payrolls, by industry--Continued**  
1962 to date  
(in thousands)

Year	Annual Average	January	February	March	April	May	June	July	August	September	October	November	December
<b>NONDURABLE GOODS</b>													
1962	7,372	7,200	7,221	7,245	7,276	7,270	7,383	7,379	7,592	7,618	7,933	7,425	7,324
1963	7,380	7,215	7,218	7,254	7,258	7,289	7,372	7,387	7,594	7,602	7,556	7,441	7,373
1964		7,267	7,303	7,313	7,302	7,337	7,447	7,444	7,662				
<b>FOOD AND KINDRED PRODUCTS</b>													
1962	1,762.1	1,685.6	1,664.4	1,662.4	1,689.7	1,700.7	1,765.9	1,816.3	1,898.0	1,916.4	1,847.0	1,769.1	1,779.3
1963	1,743.7	1,677.9	1,655.9	1,664.1	1,664.3	1,682.2	1,712.6	1,782.4	1,870.9	1,880.4	1,838.2	1,758.7	1,716.3
1964		1,666.3	1,649.6	1,642.5	1,652.0	1,668.5	1,717.8	1,765.6	1,858.7				
<b>TOBACCO MANUFACTURES</b>													
1962	90.5	90.5	87.0	81.3	77.8	76.5	77.0	77.5	102.3	116.3	110.0	95.7	93.6
1963	87.9	88.0	85.1	79.9	77.8	75.7	74.8	74.2	98.8	105.5	104.4	97.5	93.6
1964		86.9	84.3	80.3	76.7	76.3	76.7	76.2	93.6				
<b>TEXTILE MILL PRODUCTS</b>													
1962	902.3	896.7	898.6	900.6	902.6	905.1	912.6	894.8	909.3	907.6	905.9	900.9	892.6
1963	888.8	880.5	880.6	884.2	886.3	886.9	894.5	883.6	895.8	895.2	896.9	894.1	887.3
1964		879.7	886.9	890.2	892.2	894.3	902.0	888.5	903.6				
<b>APPAREL AND RELATED PRODUCTS</b>													
1962	1,263.7	1,222.0	1,256.4	1,271.6	1,263.6	1,246.4	1,258.5	1,234.5	1,294.8	1,292.1	1,284.9	1,278.5	1,260.6
1963	1,284.5	1,242.7	1,274.9	1,290.4	1,268.1	1,275.1	1,275.9	1,266.7	1,317.8	1,314.7	1,314.0	1,293.3	1,280.8
1964		1,264.2	1,303.6	1,305.8	1,280.6	1,285.8	1,308.3	1,277.9	1,341.4				
<b>PAPER AND ALLIED PRODUCTS</b>													
1962	614.4	603.3	602.3	606.0	610.9	611.4	619.7	615.1	623.0	623.4	621.0	618.6	618.2
1963	620.3	613.0	609.8	612.9	613.9	615.3	624.0	620.1	629.1	628.5	625.8	625.7	625.2
1964		619.6	618.7	620.6	624.4	625.8	635.6	631.1	638.2				
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>													
1962	926.4	917.7	919.0	921.9	923.4	922.2	926.6	924.8	928.2	935.9	940.0	940.8	915.9
1963	931.1	908.4	905.9	910.6	929.1	931.4	936.7	934.0	938.4	941.0	944.5	943.8	948.9
1964		938.8	940.4	943.5	945.0	947.8	952.2	950.0	952.7				
<b>CHEMICALS AND ALLIED PRODUCTS</b>													
1962	848.5	832.4	836.9	843.3	854.3	851.9	849.3	853.6	856.3	854.0	851.8	850.0	847.6
1963	865.2	847.8	850.9	858.4	870.5	869.5	869.2	872.1	875.3	870.7	868.5	864.8	864.1
1964		862.3	864.2	872.5	878.7	879.3	882.1	883.8	886.4				
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>													
1962	195.3	196.5	196.5	196.2	197.5	198.4	200.1	200.1	199.2	192.0	190.4	189.2	187.0
1963	189.8	185.8	186.8	187.1	188.4	190.4	192.1	192.9	195.0	193.1	190.8	188.9	186.6
1964		185.8	185.7	185.5	186.1	187.2	189.8	189.7	189.6				
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b>													
1962	408.4	395.1	396.8	398.1	397.0	402.6	410.3	403.9	412.9	419.5	423.1	422.1	419.8
1963	417.7	419.4	413.7	415.1	417.0	419.2	421.4	409.4	414.3	418.9	421.4	422.9	420.0
1964		418.2	420.1	422.1	421.8	425.7	426.9	425.1	435.3				
<b>LEATHER AND LEATHER PRODUCTS</b>													
1962	360.7	360.3	362.9	363.1	359.1	354.9	363.1	358.0	368.2	360.6	358.4	360.5	359.1
1963	350.8	351.2	354.2	351.7	362.2	362.9	351.0	351.1	358.6	353.8	351.7	350.8	350.2
1964		345.5	349.9	349.5	344.4	346.1	355.6	356.1	362.6				
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>													
1962	3,906	3,849	3,850	3,865	3,880	3,904	3,947	3,928	3,941	3,935	3,939	3,916	3,921
1963	3,914	3,761	3,844	3,847	3,862	3,899	3,960	3,979	3,980	3,986	3,972	3,948	3,935
1964		3,877	3,880	3,885	3,924	3,952	4,005	4,031	4,043				
<b>WHOLESALE AND RETAIL TRADE</b>													
1962	11,566	11,257	11,176	11,213	11,459	11,473	11,585	11,550	11,571	11,630	11,674	11,822	12,384
1963	11,803	11,487	11,378	11,434	11,677	11,655	11,781	11,763	11,808	11,871	11,951	12,110	12,725
1964		11,855	11,772	11,862	11,919	12,031	12,180	12,173	12,201				
<b>WHOLESALE TRADE</b>													
1962	3,056	3,002	3,002	3,002	3,007	3,016	3,061	3,084	3,104	3,098	3,100	3,088	3,104
1963	3,119	3,057	3,047	3,048	3,054	3,061	3,106	3,141	3,168	3,167	3,181	3,183	3,210
1964		3,172	3,156	3,156	3,161	3,170	3,211	3,245	3,266				
<b>RETAIL TRADE</b>													
1962	8,511	8,255	8,174	8,211	8,452	8,457	8,524	8,466	8,467	8,532	8,574	8,734	9,280
1963	8,685	8,430	8,331	8,386	8,623	8,594	8,675	8,622	8,640	8,704	8,770	8,927	9,515
1964		8,683	8,616	8,706	8,758	8,861	8,969	8,928	8,935				
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>													
1962	2,800	2,743	2,747	2,757	2,775	2,788	2,817	2,849	2,852	2,824	2,818	2,818	2,816
1963	2,873	2,812	2,820	2,832	2,849	2,866	2,892	2,923	2,925	2,893	2,890	2,884	2,887
1964		2,882	2,891	2,901	2,919	2,931	2,964	2,998	2,998				

**Table A: Employees on nonagricultural payrolls, by industry--Continued**  
1962 to date  
(In thousands)

Year	Annual Average	January	February	March	April	May	June	July	August	September	October	November	December
<b>SERVICES AND MISCELLANEOUS</b>													
1962	7,947	7,639	7,673	7,731	7,876	7,978	8,090	8,108	8,101	8,083	8,073	8,020	7,991
1963	8,230	7,917	7,944	8,014	8,146	8,238	8,353	8,401	8,381	8,356	8,388	8,327	8,299
1964		8,233	8,277	8,328	8,453	8,548	8,654	8,698	8,676				
<b>GOVERNMENT</b>													
1962	8,890	8,750	8,814	8,840	8,854	8,880	8,887	8,619	8,607	8,939	9,077	9,136	9,273
1963	9,199	9,105	9,171	9,194	9,198	9,203	9,178	8,884	8,855	9,213	9,393	9,425	9,564
1964		9,391	9,443	9,480	9,508	9,513	9,484	9,149	9,135				
<b>FEDERAL GOVERNMENT</b>													
1962	2,340	2,281	2,289	2,294	2,306	2,313	2,354	2,368	2,365	2,336	2,333	2,348	2,492
1963	2,358	2,327	2,332	2,334	2,344	2,340	2,365	2,375	2,367	2,342	2,343	2,343	2,482
1964		2,323	2,321	2,323	2,334	2,332	2,344	2,355	2,356				
<b>STATE AND LOCAL GOVERNMENT</b>													
1962	6,550	6,469	6,525	6,546	6,548	6,567	6,533	6,251	6,242	6,603	6,744	6,788	6,781
1963	6,841	6,778	6,839	6,860	6,854	6,863	6,813	6,509	6,488	6,871	7,050	7,082	7,082
1964		7,068	7,122	7,157	7,174	7,181	7,140	6,794	6,779				

**Table B: Production workers on manufacturing payrolls,**

1962 to date (In thousands)													
<b>MANUFACTURING</b>													
1962	12,488	12,173	12,244	12,301	12,403	12,439	12,582	12,466	12,618	12,831	12,747	12,605	12,445
1963	12,558	12,272	12,257	12,323	12,401	12,500	12,620	12,539	12,675	12,894	12,863	12,722	12,631
1964		12,435	12,482	12,543	12,592	12,666	12,847	12,768	12,966				
<b>DURABLE GOODS</b>													
1962	6,936	6,765	6,820	6,858	6,934	6,978	7,028	6,926	6,871	7,050	7,045	7,011	6,943
1963	7,030	6,876	6,859	6,893	6,981	7,055	7,108	7,023	6,962	7,161	7,172	7,147	7,121
1964		7,029	7,041	7,095	7,160	7,201	7,292	7,227	7,211				
<b>NONDURABLE GOODS</b>													
1962	5,552	5,408	5,424	5,443	5,469	5,461	5,554	5,540	5,747	5,781	5,702	5,594	5,502
1963	5,528	5,396	5,398	5,430	5,420	5,445	5,512	5,516	5,713	5,733	5,691	5,575	5,510
1964		5,406	5,441	5,448	5,432	5,465	5,555	5,541	5,755				

**Table C: Gross hours and earnings of production workers on manufacturing payrolls**

1962 to date													
<b>MANUFACTURING</b>													
AVERAGE WEEKLY EARNINGS - IN DOLLARS													
1962	96.56	94.49	94.80	95.91	96.56	96.80	97.27	96.39	95.75	97.27	96.72	97.36	98.42
1963	99.63	97.44	97.20	98.09	97.36	99.23	100.37	99.63	98.42	100.53	100.78	100.85	102.66
1964		100.30	101.15	101.40	102.47	102.97	103.48	102.97	103.07				
AVERAGE WEEKLY HOURS													
1962	40.4	39.7	40.0	40.3	40.4	40.5	40.7	40.5	40.4	40.7	40.3	40.4	40.5
1963	40.5	40.1	40.0	40.2	39.9	40.5	40.8	40.5	40.5	40.7	40.8	40.5	40.9
1964		39.8	40.3	40.4	40.5	40.7	40.9	40.7	40.9				
AVERAGE HOURLY EARNINGS - IN DOLLARS													
1962	2.39	2.38	2.37	2.38	2.39	2.39	2.39	2.38	2.37	2.39	2.40	2.41	2.43
1963	2.46	2.43	2.43	2.44	2.44	2.45	2.46	2.46	2.43	2.47	2.47	2.49	2.51
1964		2.52	2.51	2.51	2.53	2.53	2.53	2.53	2.52				
<b>DURABLE GOODS</b>													
AVERAGE WEEKLY EARNINGS - IN DOLLARS													
1962	104.70	103.17	103.53	104.04	105.22	104.81	105.06	104.04	103.89	105.88	105.37	106.19	107.53
1963	108.50	105.82	106.23	106.49	106.37	108.36	109.82	108.09	107.01	109.45	110.12	110.00	111.90
1964		109.21	110.29	110.29	111.51	112.47	113.01	111.92	112.47				
AVERAGE WEEKLY HOURS													
1962	40.9	40.3	40.6	40.8	41.1	41.1	41.2	40.8	40.9	41.2	41.0	41.0	41.2
1963	41.1	40.7	40.7	40.8	40.6	41.2	41.6	41.1	41.0	41.3	41.4	41.2	41.6
1964		40.6	41.0	41.0	41.3	41.5	41.7	41.3	41.5				
AVERAGE HOURLY EARNINGS - IN DOLLARS													
1962	2.56	2.56	2.55	2.55	2.56	2.55	2.55	2.55	2.54	2.57	2.57	2.59	2.61
1963	2.64	2.60	2.61	2.61	2.62	2.63	2.64	2.63	2.61	2.65	2.66	2.67	2.69
1964		2.69	2.69	2.69	2.70	2.71	2.71	2.71	2.71				
<b>NONDURABLE GOODS</b>													
AVERAGE WEEKLY EARNINGS - IN DOLLARS													
1962	85.93	84.24	84.28	84.93	85.54	85.97	87.02	86.80	86.18	86.80	85.50	86.72	86.94
1963	87.91	86.24	86.24	87.07	85.97	87.52	88.58	88.36	88.40	89.38	89.38	89.10	90.57
1964		88.24	89.44	89.67	89.83	90.91	91.37	91.14	91.83				
AVERAGE WEEKLY HOURS													
1962	39.6	39.0	39.2	39.5	39.6	39.8	40.1	40.0	39.9	40.0	39.4	39.6	39.7
1963	39.6	39.2	39.2	39.4	38.9	39.6	39.9	39.8	40.0	39.9	39.9	39.6	39.9
1964		38.7	39.4	39.5	39.4	39.7	39.9	39.8	40.1				
AVERAGE HOURLY EARNINGS - IN DOLLARS													
1962	2.17	2.16	2.15	2.15	2.16	2.16	2.17	2.17	2.16	2.17	2.17	2.19	2.19
1963	2.22	2.20	2.20	2.21	2.21	2.21	2.22	2.22	2.21	2.24	2.24	2.25	2.27
1964		2.28	2.27	2.27	2.28	2.29	2.29	2.29	2.29				

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

74

Table D: Employees on nonagricultural payrolls, by industry, seasonally adjusted

1962 to date (in thousands)													
Year	Annual Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL													
1962		54,695	55,003	55,162	55,411	55,502	55,565	55,657	55,673	55,767	55,802	55,874	55,881
1963		55,900	56,044	56,187	56,368	56,511	56,601	56,763	56,768	56,868	57,070	57,101	57,291
1964		57,334	57,684	57,754	57,827	57,931	58,104	58,256	58,301				
MINING													
1962		666	666	663	659	658	652	645	648	644	642	635	630
1963		630	630	631	636	637	640	641	638	636	636	635	636
1964		632	633	633	633	631	639	639	634				
CONTRACT CONSTRUCTION													
1962		2,763	2,872	2,860	2,924	2,926	2,878	2,931	2,927	2,928	2,927	2,933	2,913
1963		2,914	2,897	2,904	2,964	2,974	2,990	3,006	3,016	3,019	3,015	3,015	3,052
1964		2,941	3,132	3,122	3,081	3,093	3,106	3,107	3,103				
MANUFACTURING													
1962		16,669	16,748	16,806	16,906	16,890	16,911	16,916	16,872	16,900	16,894	16,885	16,866
1963		16,898	16,888	16,934	16,990	17,030	17,013	17,058	17,003	17,025	17,066	17,059	17,115
1964		17,131	17,171	17,208	17,224	17,225	17,285	17,344	17,339				
DURABLE GOODS													
1962		9,338	9,403	9,448	9,504	9,506	9,512	9,527	9,489	9,516	9,518	9,511	9,517
1963		9,549	9,543	9,566	9,608	9,631	9,630	9,661	9,619	9,648	9,667	9,670	9,717
1964		9,725	9,740	9,784	9,798	9,780	9,826	9,890	9,886				
ORDNANCE AND ACCESSORIES													
1962		254	257	262	266	268	269	272	278	275	276	275	274
1963		274	275	273	271	273	275	274	275	275	275	274	275
1964		274	271	269	267	265	260	255	250				
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE													
1962		583	594	591	593	592	592	590	591	587	588	589	587
1963		593	590	594	589	594	560	567	580	590	592	597	600
1964		597	602	603	600	596	593	599	595				
FURNITURE AND FIXTURES													
1962		378	382	384	385	389	388	387	387	385	385	386	386
1963		387	387	387	386	388	388	390	390	391	390	390	392
1964		392	394	397	398	398	402	405	403				
STONE, CLAY, AND GLASS PRODUCTS													
1962		588	587	587	592	594	593	594	595	594	596	593	591
1963		593	587	594	601	603	603	606	606	603	604	607	610
1964		609	613	616	613	613	616	618	617				
PRIMARY METAL INDUSTRIES													
1962		1,205	1,212	1,212	1,208	1,175	1,152	1,145	1,139	1,138	1,132	1,132	1,136
1963		1,135	1,142	1,151	1,168	1,179	1,204	1,213	1,178	1,171	1,167	1,170	1,178
1964		1,183	1,189	1,190	1,196	1,199	1,222	1,246	1,242				
FABRICATED METAL PRODUCTS													
1962		1,114	1,123	1,122	1,130	1,133	1,129	1,133	1,127	1,133	1,131	1,129	1,131
1963		1,132	1,139	1,135	1,144	1,148	1,152	1,157	1,159	1,164	1,165	1,166	1,173
1964		1,174	1,183	1,187	1,190	1,185	1,192	1,196	1,208				
MACHINERY													
1962		1,451	1,456	1,472	1,483	1,489	1,499	1,502	1,509	1,511	1,517	1,517	1,514
1963		1,516	1,512	1,517	1,516	1,517	1,521	1,525	1,535	1,542	1,554	1,557	1,568
1964		1,572	1,565	1,584	1,589	1,597	1,608	1,620	1,625				
ELECTRICAL EQUIPMENT AND SUPPLIES													
1962		1,528	1,543	1,558	1,570	1,575	1,585	1,590	1,579	1,571	1,573	1,574	1,576
1963		1,573	1,569	1,565	1,567	1,567	1,563	1,559	1,549	1,546	1,548	1,537	1,540
1964		1,540	1,535	1,535	1,536	1,533	1,537	1,550	1,546				
TRANSPORTATION EQUIPMENT													
1962		1,495	1,507	1,515	1,526	1,538	1,551	1,559	1,532	1,575	1,572	1,570	1,576
1963		1,599	1,595	1,602	1,618	1,613	1,614	1,617	1,590	1,611	1,617	1,616	1,623
1964		1,626	1,626	1,641	1,646	1,633	1,628	1,632	1,632				
INSTRUMENTS AND RELATED PRODUCTS													
1962		355	356	358	359	360	359	361	361	359	359	359	360
1963		361	362	362	363	363	366	367	367	365	366	366	367
1964		367	368	368	368	367	369	371	369				
MISCELLANEOUS MANUFACTURING INDUSTRIES													
1962		387	386	387	392	393	395	394	391	388	389	387	386
1963		386	385	386	385	386	384	386	390	390	389	390	391
1964		391	394	394	395	394	399	398	399				

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

Table D: Employees on nonagricultural payrolls, by industry, seasonally adjusted--Continued

1962 to date (in thousands)													
Year	Annual Average	January	February	March	April	May	June	July	August	September	October	November	December
NONDURABLE GOODS													
1962	7,331	7,345	7,358	7,402	7,384	7,399	7,389	7,383	7,384	7,376	7,374	7,349	
1963	7,349	7,345	7,368	7,382	7,399	7,383	7,397	7,384	7,377	7,399	7,389	7,398	
1964	7,406	7,431	7,424	7,426	7,445	7,459	7,454	7,453					
FOOD AND KINDRED PRODUCTS													
1962	1,763	1,761	1,761	1,769	1,764	1,768	1,769	1,762	1,765	1,751	1,753	1,757	
1963	1,755	1,752	1,763	1,743	1,745	1,734	1,736	1,737	1,733	1,742	1,743	1,742	
1964	1,743	1,746	1,738	1,730	1,731	1,720	1,719	1,726					
TOBACCO MANUFACTURES													
1962	91	90	90	89	89	89	91	91	93	92	91	90	
1963	88	88	88	89	88	87	87	88	84	87	92	90	
1964	87	88	88	88	89	89	89	83					
TEXTILE MILL PRODUCTS													
1962	908	908	906	905	906	906	900	900	899	898	896	895	
1963	891	890	890	889	888	887	889	887	887	889	889	890	
1964	891	896	897	895	895	895	894	895					
APPAREL AND RELATED PRODUCTS													
1962	1,243	1,248	1,257	1,283	1,268	1,275	1,266	1,266	1,267	1,268	1,265	1,263	
1963	1,267	1,269	1,275	1,286	1,296	1,290	1,298	1,288	1,290	1,296	1,281	1,286	
1964	1,291	1,296	1,290	1,298	1,305	1,323	1,309	1,311					
PAPER AND ALLIED PRODUCTS													
1962	608	610	612	615	615	615	616	617	615	617	616	617	
1963	618	618	619	618	619	620	621	622	621	621	623	624	
1964	625	627	627	629	630	631	632	631					
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES													
1962	921	923	924	926	927	929	929	929	932	933	934	910	
1963	912	909	913	932	936	938	939	939	938	938	937	942	
1964	943	944	946	948	952	953	955	954					
CHEMICALS AND ALLIED PRODUCTS													
1962	841	844	845	847	847	847	850	850	851	854	854	853	
1963	856	859	860	863	864	867	868	868	868	870	869	869	
1964	871	872	874	871	874	880	879	879					
PETROLEUM REFINING AND RELATED INDUSTRIES													
1962	200	200	199	199	198	197	198	195	190	190	191	190	
1963	189	190	190	189	190	189	190	191	190	191	190	190	
1964	189	189	188	187	187	187	187	185					
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS													
1962	395	399	401	402	407	411	411	413	414	415	416	417	
1963	420	417	418	423	423	421	417	414	414	414	417	417	
1964	419	424	426	427	429	427	433	435					
LEATHER AND LEATHER PRODUCTS													
1962	361	362	363	367	363	362	359	360	358	358	358	357	
1963	353	353	352	350	350	350	352	350	352	351	348	348	
1964	347	349	350	353	353	354	357	354					
TRANSPORTATION AND PUBLIC UTILITIES													
1962	3,904	3,909	3,916	3,919	3,916	3,908	3,881	3,898	3,900	3,908	3,900	3,913	
1963	3,814	3,907	3,898	3,901	3,915	3,921	3,932	3,937	3,947	3,940	3,932	3,931	
1964	3,936	3,943	3,940	3,964	3,968	3,965	3,983	3,999					
WHOLESALE AND RETAIL TRADE													
1962	11,412	11,468	11,519	11,543	11,573	11,591	11,609	11,599	11,616	11,606	11,623	11,625	
1963	11,648	11,679	11,709	11,726	11,756	11,788	11,811	11,837	11,857	11,890	11,910	11,950	
1964	12,021	12,083	12,077	12,096	12,135	12,187	12,223	12,231					
WHOLESALE TRADE													
1962	3,014	3,032	3,042	3,047	3,056	3,076	3,075	3,064	3,067	3,066	3,060	3,064	
1963	3,072	3,081	3,088	3,094	3,101	3,122	3,128	3,127	3,136	3,146	3,158	3,172	
1964	3,188	3,191	3,198	3,206	3,212	3,227	3,232	3,224					
RETAIL TRADE													
1962	8,398	8,436	8,477	8,496	8,517	8,515	8,534	8,535	8,549	8,540	8,563	8,561	
1963	8,576	8,598	8,621	8,632	8,655	8,666	8,683	8,710	8,721	8,744	8,752	8,778	
1964	8,833	8,892	8,879	8,890	8,923	8,960	8,991	9,007					
FINANCE, INSURANCE, AND REAL ESTATE													
1962	2,771	2,772	2,779	2,786	2,794	2,797	2,801	2,810	2,813	2,821	2,829	2,830	
1963	2,840	2,846	2,855	2,860	2,869	2,872	2,874	2,879	2,881	2,893	2,896	2,904	
1964	2,911	2,917	2,924	2,931	2,934	2,943	2,948	2,951					

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

76

Table D: Employees on nonagricultural payrolls, by industry, seasonally adjusted--Continued

Year	Annual Average	1962 to date (in thousands)											
		January	February	March	April	May	June	July	August	September	October	November	December
SERVICES AND MISCELLANEOUS													
1962		7,787	7,822	7,849	7,884	7,915	7,955	7,980	8,005	8,027	8,033	8,044	8,064
1963		8,079	8,098	8,136	8,154	8,181	8,213	8,269	8,282	8,290	8,346	8,352	8,366
1964		8,401	8,437	8,455	8,461	8,489	8,509	8,561	8,573				
GOVERNMENT													
1962		8,723	8,746	8,770	8,790	8,830	8,873	8,894	8,914	8,939	8,971	9,025	9,040
1963		9,077	9,099	9,120	9,137	9,149	9,164	9,172	9,176	9,213	9,284	9,302	9,337
1964		9,361	9,368	9,395	9,437	9,456	9,470	9,451	9,471				
FEDERAL GOVERNMENT													
1962		2,299	2,305	2,308	2,313	2,322	2,333	2,335	2,337	2,336	2,333	2,350	2,346
1963		2,346	2,348	2,348	2,351	2,347	2,344	2,342	2,339	2,342	2,345	2,345	2,346
1964		2,342	2,337	2,337	2,341	2,339	2,323	2,322	2,328				
STATE AND LOCAL GOVERNMENT													
1962		6,424	6,441	6,462	6,477	6,508	6,540	6,559	6,577	6,603	6,638	6,675	6,694
1963		6,731	6,751	6,772	6,786	6,802	6,820	6,830	6,837	6,871	6,939	6,957	6,991
1964		7,019	7,031	7,058	7,096	7,117	7,147	7,129	7,143				

Table E: Production workers on manufacturing payrolls, seasonally adjusted

	1962 to date											
	(In thousands)											
MANUFACTURING												
1962	12,374	12,437	12,483	12,559	12,531	12,541	12,535	12,491	12,506	12,494	12,477	12,460
1963	12,486	12,457	12,506	12,555	12,586	12,570	12,608	12,551	12,568	12,603	12,592	12,647
1964	12,659	12,692	12,731	12,732	12,736	12,794	12,839	12,847				
DURABLE GOODS												
1962	6,845	6,904	6,936	6,970	6,964	6,964	6,968	6,931	6,947	6,948	6,937	6,938
1963	6,964	6,947	6,974	7,018	7,038	7,038	7,067	7,024	7,050	7,067	7,071	7,115
1964	7,124	7,139	7,181	7,188	7,174	7,219	7,271	7,279				
NONDURABLE GOODS												
1962	5,529	5,533	5,547	5,589	5,567	5,577	5,567	5,560	5,559	5,546	5,540	5,522
1963	5,522	5,510	5,532	5,537	5,548	5,532	5,541	5,527	5,518	5,536	5,521	5,532
1964	5,535	5,553	5,550	5,544	5,562	5,575	5,568	5,568				

Table F: Average weekly hours of production workers on manufacturing payrolls, seasonally adjusted

	1962 to date											
MANUFACTURING												
1962	40.1	40.4	40.5	40.6	40.4	40.4	40.5	40.3	40.5	40.2	40.4	40.3
1963	40.5	40.3	40.4	40.1	40.4	40.5	40.4	40.4	40.5	40.6	40.5	40.7
1964	40.2	40.7	40.6	40.7	40.6	40.6	40.6	40.8				
DURABLE GOODS												
1962	40.7	40.9	41.0	41.2	40.9	40.9	40.9	40.9	41.1	40.8	41.0	40.8
1963	41.2	41.0	41.0	40.7	41.0	41.3	41.1	41.0	41.2	41.3	41.2	41.3
1964	41.1	41.3	41.2	41.4	41.3	41.4	41.3	41.5				
NONDURABLE GOODS												
1962	39.3	39.6	39.8	40.0	39.8	39.8	39.7	39.5	39.8	39.3	39.6	39.5
1963	39.6	39.6	39.7	39.3	39.6	39.6	39.5	39.6	39.7	39.8	39.7	39.7
1964	39.1	39.8	39.7	39.8	39.7	39.6	39.5	39.7				

## SEASONAL FACTORS

The following tables present seasonal adjustment factors for all series in the establishment section of this periodical, which have been revised, as in the past, coincidental with the adjustment of the industry employment series to new benchmarks. These factors will be revised at the time the industry employment statistics are again adjusted to later benchmarks and more current data are available. The seasonal movements are measured in order to adjust the data statistically for such recurring events as warm and cold weather, crop-growing cycles, holidays, vacations, regular industry model change-over periods, and the like. These movements are generally the largest single component of month-to-month changes in employment, hours, and labor turnover. The seasonal factors which follow enable the analyst to remove these influences from the data in order to determine more basic trends.

Table 1: Seasonal adjustment factors for employees in nonagricultural establishments, by industry division and groups

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>TOTAL <sup>1/</sup></b>												
<b>MINING</b> .....	97.8	97.0	97.2	99.0	100.5	101.9	101.1	102.0	101.7	101.0	100.7	99.7
<b>CONTRACT CONSTRUCTION</b> .....	87.7	84.0	86.7	94.8	101.2	106.5	110.2	112.2	110.1	108.7	103.5	94.1
<b>MANUFACTURING <sup>1/</sup></b> .....												
<b>DURABLE GOODS <sup>1/</sup></b> .....												
Ordnance and accessories .....	100.5	100.0	100.0	99.8	99.1	99.2	99.9	99.7	100.1	100.2	100.6	100.9
Lumber and wood products .....	94.7	94.4	94.6	97.2	100.3	104.6	104.1	105.1	104.3	102.6	100.3	97.6
Furniture and fixtures .....	99.0	98.8	98.9	99.1	98.5	99.8	98.9	101.5	101.9	102.1	101.5	100.3
Stone, clay, and glass products .....	94.9	95.1	96.0	99.0	101.0	102.9	102.9	103.8	103.3	102.2	101.0	97.9
Primary metal industries .....	99.2	99.9	100.5	101.1	101.8	101.0	99.1	99.9	100.1	99.3	99.0	99.3
Fabricated metal products .....	99.0	98.4	98.7	99.2	100.1	100.9	99.3	100.1	101.3	101.5	101.1	100.2
Machinery .....	99.7	100.1	100.6	100.9	100.7	100.9	99.9	99.5	99.6	99.0	99.1	99.6
Electrical equipment .....	100.1	99.6	99.2	98.9	98.9	99.5	98.8	99.9	101.2	101.4	101.4	100.9
Transportation equipment .....	100.9	100.5	99.8	99.8	100.4	100.1	98.6	93.0	100.6	101.7	102.2	102.1
Instruments and related products .....	99.8	99.3	99.5	99.5	99.4	100.1	99.3	100.5	100.7	100.5	100.8	100.4
Miscellaneous manufacturing .....	93.7	95.4	96.4	97.7	99.4	100.8	98.9	103.2	105.6	106.2	104.5	98.2
<b>NONDURABLE GOODS <sup>1/</sup></b> .....												
Food and kindred products .....	95.6	94.5	94.5	95.5	96.4	99.9	102.7	107.7	108.5	105.5	100.9	98.5
Tobacco manufactures .....	99.4	96.2	90.9	87.4	86.1	85.3	112.2	125.8	120.1	105.5	104.4	104.4
Textile-mill products .....	98.7	99.0	99.3	99.7	99.9	100.8	99.4	101.0	100.9	100.9	100.6	99.7
Apparel and related products .....	97.9	100.6	101.2	98.7	98.5	98.9	97.6	102.3	101.9	101.4	101.0	99.6
Paper and allied products .....	99.2	98.7	99.0	99.3	99.4	100.7	99.9	101.1	101.2	100.7	100.5	100.2
Printing and publishing .....	99.6	99.6	99.7	99.7	99.6	99.9	99.5	99.9	100.3	100.7	100.7	100.7
Chemicals and allied products .....	99.0	99.1	99.8	100.9	100.6	100.3	100.5	100.8	100.3	99.8	99.5	99.4
Petroleum and related products .....	98.2	98.4	98.7	99.5	100.4	101.6	101.5	102.3	101.4	100.1	99.4	98.4
Rubber and plastic products .....	99.8	99.2	99.1	98.7	99.3	100.1	98.3	100.0	101.2	101.8	101.4	100.7
Leather and leather products .....	99.5	100.4	99.9	97.7	98.0	100.4	99.7	102.5	100.6	100.1	100.7	100.7
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	98.5	98.4	98.6	99.0	99.6	101.0	101.2	101.1	101.0	100.8	100.4	100.1
<b>WHOLESALE AND RETAIL TRADE <sup>1/</sup></b> .....												
<b>WHOLESALE TRADE</b> .....	99.5	98.9	98.7	98.6	98.7	99.5	100.4	101.3	101.0	101.1	100.8	101.2
<b>RETAIL TRADE</b> .....	98.3	96.9	<sup>2/</sup> 98.1	<sup>2/</sup> 98.5	99.3	100.1	99.3	99.2	99.8	100.3	102.0	108.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	99.0	99.1	99.2	99.6	99.9	100.7	101.7	101.6	100.4	99.9	99.6	99.4
<b>SERVICE AND MISCELLANEOUS</b> .....	98.0	98.1	98.5	99.9	100.7	101.7	101.6	101.2	100.8	100.5	99.7	99.2
<b>GOVERNMENT <sup>1/</sup></b> .....												
<b>FEDERAL <sup>3/</sup></b> .....	99.2	99.3	99.4	99.7	99.7	100.9	101.4	101.2	100.0	99.9	99.9	99.6
<b>STATE AND LOCAL</b> .....	100.7	101.3	101.4	101.1	100.9	99.9	95.3	94.9	100.0	101.6	101.8	101.3

<sup>1/</sup> Seasonally adjusted data derived by summation of components.

<sup>2/</sup> Factors shown are for 1964. For 1965 the March seasonal adjustment factor is 96.6 and April 100.0.

<sup>3/</sup> Based on data which exclude temporary Christmas employees of the Post Office during December.

Table 2: Seasonal adjustment factors for labor turnover rates in manufacturing

Item	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions .....	95.0	85.6	92.3	98.3	103.0	123.6	109.4	127.6	125.0	100.1	77.7	62.7
New hires .....	81.9	78.4	85.0	93.4	103.8	137.8	114.3	134.9	130.7	107.9	77.6	54.3
Total separations .....	102.7	85.2	90.1	91.0	91.5	90.4	104.1	112.6	124.8	107.3	101.3	97.8
Quits .....	80.8	74.6	82.9	90.6	101.2	102.4	100.9	143.3	174.9	107.5	79.0	62.5
Layoffs .....	115.2	89.7	91.2	84.0	81.0	79.9	106.1	97.4	97.1	106.8	117.2	132.9

Table 3: Seasonal adjustment factors for average weekly hours of production workers in selected industries

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MINING .....	99.1	99.0	98.4	99.4	100.6	101.6	99.8	101.2	100.8	101.3	99.5	99.4
CONTRACT CONSTRUCTION .....	96.9	95.2	97.7	99.4	101.7	102.5	103.5	104.3	102.7	103.6	97.8	94.4
MANUFACTURING .....	98.9	99.1	99.5	99.5	100.2	100.8	100.2	100.2	100.5	100.4	100.1	100.5
DURABLE GOODS .....	98.8	99.2	99.5	99.8	100.4	100.8	99.9	99.9	100.3	100.3	100.1	100.8
NONDURABLE GOODS .....	99.0	98.9	99.4	99.0	100.0	100.8	100.8	100.9	100.6	100.3	99.8	100.4
<i>Durable goods</i>												
Ordnance and accessories .....	100.6	100.0	99.7	100.0	99.7	99.8	98.7	99.3	100.0	100.1	100.4	101.5
Lumber and wood products .....	98.7	98.5	98.2	99.3	100.7	102.3	100.6	101.3	101.5	101.6	98.9	98.5
Furniture and fixtures .....	98.3	98.5	98.6	98.8	98.3	100.0	99.5	101.7	102.0	101.9	100.8	101.7
Stone, clay, and glass products .....	97.6	97.5	98.4	99.8	101.3	101.7	101.5	101.9	101.2	101.5	100.2	97.8
Primary metal industries .....	99.8	99.8	100.1	101.0	100.7	101.1	100.3	99.1	99.7	99.1	99.1	100.4
Fabricated metal products .....	98.6	98.6	99.0	99.4	100.3	101.2	99.9	100.6	101.1	100.5	100.1	100.5
Machinery .....	99.7	99.8	100.1	100.6	100.6	100.9	99.8	99.4	99.7	99.6	99.2	100.5
Electrical equipment .....	99.4	99.4	99.4	99.6	99.7	100.5	99.2	99.9	100.8	100.6	100.2	101.1
Transportation equipment .....	99.0	98.7	99.0	99.8	100.5	100.1	99.7	97.7	99.9	100.9	101.9	102.5
Instruments and related products .....	99.6	99.3	99.3	99.5	99.7	100.4	99.6	100.2	100.4	100.4	100.7	100.8
Miscellaneous manufacturing .....	99.1	99.8	99.9	99.4	99.7	100.5	98.8	100.0	100.4	101.1	100.7	100.7
<i>Nondurable goods</i>												
Food and kindred products .....	98.8	98.2	98.5	98.3	100.1	100.6	101.4	101.0	101.8	100.8	100.3	100.3
Tobacco manufactures .....	97.6	94.7	96.0	99.2	99.0	101.7	98.2	101.4	106.3	103.7	99.5	102.4
Textile mill products .....	98.3	99.3	99.6	99.2	100.2	101.1	100.0	100.3	99.7	100.6	101.0	100.6
Apparel and related products .....	97.8	99.6	100.8	99.4	99.6	100.6	100.7	102.1	100.4	99.8	99.8	99.1
Paper and allied products .....	98.8	99.0	99.3	99.2	99.6	100.6	100.3	100.7	100.9	100.7	100.0	100.6
Printing and publishing .....	99.1	99.4	100.2	99.6	100.1	99.9	99.8	100.2	100.5	100.2	99.9	101.1
Chemicals and allied products .....	99.4	99.4	99.9	100.1	100.4	100.7	100.2	99.9	99.9	99.8	100.0	100.4
Petroleum and related products .....	100.1	97.9	98.4	99.3	100.3	101.1	101.7	100.0	101.4	100.3	99.9	99.3
Rubber and plastic products .....	99.0	98.8	99.1	99.2	100.1	100.9	100.2	100.2	101.1	100.1	100.1	101.3
Leather and leather products .....	102.1	100.7	99.8	96.6	98.7	101.6	101.9	101.5	98.6	97.4	99.0	102.1
WHOLESALE AND RETAIL TRADE 1/ .....	99.2	99.2	99.2	99.6	99.7	100.7	101.4	101.3	100.2	99.6	99.2	100.5
WHOLESALE TRADE 1/ .....	99.6	99.3	99.6	99.8	100.0	100.2	100.6	100.2	100.2	100.2	100.0	100.6
RETAIL TRADE 1/ .....	99.4	99.3	99.2	99.5	99.5	100.5	101.7	101.9	100.0	99.2	99.0	100.7

1/ Excludes eating and drinking places.

Table 4: Seasonal adjustment factors for production workers in manufacturing

Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MANUFACTURING 1/ .....												
DURABLE GOODS 1/ .....												
NONDURABLE GOODS 1/ .....												
<i>Durable goods</i>												
Ordnance and accessories .....	100.7	99.8	99.8	99.9	99.0	98.6	98.9	98.8	100.6	100.6	101.4	101.5
Lumber and wood products .....	94.2	93.9	94.0	96.8	100.3	105.2	104.6	105.6	104.7	102.9	100.4	97.2
Furniture and fixtures .....	98.8	98.4	98.7	98.9	98.3	99.6	98.6	101.7	102.1	102.4	101.7	100.3
Stone, clay, and glass products .....	94.0	94.3	95.2	98.8	101.3	103.4	103.3	104.3	103.9	102.6	101.1	97.6
Primary metal industries .....	99.1	99.9	100.6	101.7	102.3	101.1	98.6	99.7	100.1	99.1	98.8	99.1
Fabricated metal products .....	98.7	98.0	98.3	99.0	100.1	101.2	99.0	99.9	101.7	101.9	101.4	100.3
Machinery .....	99.8	100.4	101.0	101.4	101.1	101.1	99.6	99.0	99.4	98.8	98.8	99.5
Electrical equipment .....	100.2	99.4	98.8	98.5	98.7	99.3	98.2	99.7	101.8	102.1	102.0	101.3
Transportation equipment .....	101.3	100.8	100.0	100.1	100.8	100.2	97.9	89.7	100.6	102.3	103.1	102.9
Instruments and related products .....	99.6	99.1	99.4	99.3	99.4	100.0	98.4	100.5	101.1	101.0	101.2	100.6
Miscellaneous manufacturing .....	92.1	94.4	95.5	97.3	99.2	101.0	98.8	103.9	106.7	107.7	105.3	97.6
<i>Nondurable goods</i>												
Food and kindred products .....	94.0	92.4	92.3	93.6	94.8	99.3	103.3	110.5	112.3	108.1	101.5	98.0
Tobacco manufactures .....	99.6	95.7	89.9	86.2	84.6	84.4	83.4	113.6	128.7	122.5	106.0	104.9
Textile mill products .....	98.5	98.9	99.3	99.7	100.0	100.9	99.4	101.1	101.0	101.0	100.6	99.6
Apparel and related products .....	97.8	100.7	101.3	98.7	98.4	98.7	97.3	102.5	102.0	101.4	101.2	99.6
Paper and allied products .....	99.0	98.4	98.8	99.2	99.4	100.9	99.6	101.1	101.4	101.1	100.7	100.3
Printing and publishing .....	99.3	99.4	99.7	99.6	99.5	99.8	99.2	99.8	100.7	101.2	101.1	100.8
Chemicals and allied products .....	98.7	99.0	100.1	101.6	101.2	100.3	99.8	100.4	100.3	99.9	99.4	99.2
Petroleum and related products .....	97.5	97.9	98.2	99.3	100.6	102.0	101.6	102.9	101.6	100.3	99.5	98.3
Rubber and plastic products .....	99.7	99.1	98.9	98.5	99.3	100.1	97.7	99.9	101.5	102.3	101.8	100.8
Leather and leather products .....	99.4	100.4	99.9	97.5	97.8	100.4	99.7	102.7	100.7	100.2	100.6	100.7

1/ Seasonally adjusted data derived by summation of components.



# Technical Note

Additional information concerning the preparation of the labor force, employment, hours and earnings, and labor turnover series--concepts and scope, survey methods, and limitations--is contained in technical notes for each of these series, available from the Bureau of Labor Statistics free of charge. Use order blank on page 13-E.

## INTRODUCTION

The statistics in this periodical are compiled from two major sources: (1) household interviews and (2) payroll reports from employers.

*Data based on household interviews* are obtained from a sample survey of the population. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides a comprehensive measure of the labor force, i.e., the total number of persons 14 years of age and over who are employed or unemployed. It also provides data on their personal and economic characteristics such as age, sex, color, marital status, occupations, hours of work, and duration of unemployment. The information is collected by trained interviewers from a sample of about 35,000 households throughout the country and is based on the activity or status reported for the calendar week including the 12th of the month.

*Data based on establishment payroll records* are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The payroll survey provides detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas.

The figures are based on payroll reports from a sample of establishments employing about 25 million nonfarm wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month.

### Relation between the household and payroll series

The household and payroll data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The factors which have a differential effect on levels and trends of the two series are described as follows:

## Employment

*Coverage.* The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both farm and nonfarm industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonfarm establishments.

*Multiple jobholding.* The household approach provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

*Unpaid absences from jobs.* The household survey includes among the employed all persons who had jobs but were not at work during the survey week--that is, were not working or looking for work but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, whether or not they were paid by their employers for the time off. In the figures based on payroll reports, persons on paid sick leave, paid vacation, or paid holiday are included, but not those on leave without pay for the entire payroll period.

## Hours of Work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

### Comparability of the household interview data with other series

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did

not work at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Bureau of Employment Security of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, State and local government, domestic service, self-employed, unpaid family work, nonprofit organizations, and firms below a minimum size).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation, but are classified as employed rather than unemployed in the household survey.

*Agricultural employment estimates of the Department of Agriculture.* The principal differences in coverage are the inclusion of persons under 14 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they worked on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

#### Comparability of the payroll employment data with other series

*Statistics on manufactures and business, Bureau of the Census.* BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes contract construction, professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

*County Business Patterns.* Data in County Business Patterns, published jointly by the U.S. Departments of Commerce and Health, Education, and Welfare, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

*Employment covered by State unemployment insurance programs.* Not all nonfarm wage and salary workers are covered by the unemployment insurance programs. All workers in certain activities, such as interstate railroads, are excluded. In addition, small firms in covered industries are also excluded in 32 States. In general, these are establishments with less than four employees.

## Labor Force Data

### COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other economic characteristics of employed and unemployed persons, and related labor force data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). (A detailed description of this survey appears in *Concepts and Methods Used in Household Statistics on Employment and Unemployment from the Current Population Survey*, Bureau of Labor Statistics Report No. 279. This report is available from BLS on request.)

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population 14 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 14 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 14 years of age are not covered in the regular monthly enumeration.

tions and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Until August 1962, the sample for CPS was spread over 333 areas. Between August 1962 and March 1963, the number of sample areas was increased to 357, comprising 701 counties and independent cities, with coverage in 50 States and the District of Columbia. This revision takes account of the changes in population distribution and characteristics shown by the 1960 Census. The number of households remains unchanged at 35,000.

Each month, 35,000 occupied units are designated for interview. About 1,500 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 35,000 occupied units there are 5,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for approximately three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

## CONCEPTS

*Employed Persons* comprise (a) all those who during the survey week did any work at all either as paid employees, or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers on a farm or in a business operated by a member of the family, and (b) all those who were not working or looking for work but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, or labor-management dispute, or because they were taking time off for various other reasons, whether or not they were paid by their employers for the time off.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy (e.g., Mexican migratory farm workers).

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

*Unemployed Persons* comprise all persons who did not work at all during the survey week and were looking for work, regardless of whether or not they were eligible for unemployment insurance. Also included as unemployed are those who did not work at all and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days (and were not in school during the survey week); or (c) would have been looking for work except that they were temporarily ill or believed no work was available in their line of work or in the community. Persons in this latter category will usually be residents of a community in which there are only a few dominant industries which were shut down during the survey week. *Not* included in this category are persons who say they were not looking for work because they were too old, too young, or handicapped in any way.

*The Unemployment Rate* represents the number unemployed as a percent of the civilian labor force, i.e., the sum of the employed and unemployed. This measure can also be computed for groups within the labor force classified by sex, age, marital status, color, etc. When applied to industry and occupation groups, the labor force base for the unemployment rate also represents the sum of the employed and the unemployed, the latter classified according to industry and occupation of their latest full-time civilian job.

*Duration of Unemployment* represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work or would have been looking for work except for temporary illness, or belief that no work was available in their line of work or in the community. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of

their most recent employment. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

*The Civilian Labor Force* comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

*Not in Labor Force* includes all civilians 14 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

*Occupation, Industry, and Class of Worker* apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1960 Census of Population. Information on the detailed categories included in these groups is available upon request.

The industrial classification system used in the Census of Population and the current Population Survey differs somewhat from that used by the BLS in its reports on employment, by industry. Employment levels by industry from the household survey, although useful for many analytical purposes, are not published in order to avoid public misunderstanding since they differ from the payroll series because of differences in classification, sampling variability, and other reasons. The industry figures from the household survey are used as a base for published distributions on hours of work, unemployment rates, and other characteristics of industry groups such as age, sex, and occupation.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

*Hours of Work* statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Veterans Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Persons who worked 35 hours or more in the survey week are designated as working "full time"; persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work and full-time worker only during peak season.

## ESTIMATING METHODS

The estimating procedure is essentially one of using sample results to obtain percentages of the population in a given category. The published estimates are then obtained by multiplying these percentage distributions by independent estimates of the population. The principal steps involved are shown below. Under the estimation methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability for other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups—color (white and non-white) within the three residence categories (urban, rural nonfarm, and rural farm). The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, color, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* This is the procedure in which the sample proportions are weighted by the known 1960 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1960 Census between the color-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample proportions are weighted by independent

current estimates of the population by age, sex, and color. These estimates are prepared by carrying forward the most recent census data (1960) to take account of subsequent aging of the population, mortality, and migration between the United States and other countries.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability especially of month-to-month changes but also of the levels for most items.

## Reliability of the Estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year to year change.

Table A. Average standard error of major employment status categories

(In thousands)		
Employment status and sex	Average standard error of--	
	Monthly level	Month-to-month change (consecutive months only)
<b>BOTH SEXES</b>		
Labor force and total employment	250	180
Agriculture . . . . .	200	120
Nonagricultural employment. . . . .	300	180
Unemployment . . . . .	100	100
<b>MALE</b>		
Labor force and total employment	120	90
Agriculture . . . . .	180	90
Nonagricultural employment. . . . .	200	120
Unemployment . . . . .	75	90
<b>FEMALE</b>		
Labor force and total employment	180	150
Agriculture . . . . .	75	55
Nonagricultural employment. . . . .	180	120
Unemployment . . . . .	65	65

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Table B. Standard error of level of monthly estimates

(In thousands)						
Size of estimate	Both sexes		Male		Female	
	Total or white	Non-white	Total or white	Non-white	Total or white	Non-white
10 .....	5	5	7	5	5	5
50 .....	11	10	14	10	10	10
100 .....	15	14	20	14	14	14
250 .....	24	21	31	21	22	21
500 .....	34	30	43	30	31	30
1,000 .....	48	40	60	40	45	40
2,500 .....	75	50	90	50	70	50
5,000 .....	100	50	110	...	100	...
10,000 .....	140	...	140	...	130	...
20,000 .....	180	...	150	...	170	...
30,000 .....	210	...	...	...	...	...
40,000 .....	220	...	...	...	...	...

*Illustration:* Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 160,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 160,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 160,000 as the

standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 135,000.

Table C. Standard error of estimates of month-to-month change

(In thousands)		
Standard error of monthly level	Standard error of month-to-month change	
	Estimates relating to agricultural employment	All estimates except those relating to agricultural employment
10 .....	14	12
25 .....	35	26
50 .....	70	48
100 .....	100	90
150 .....	110	130
200 .....	250	160
250 .....	...	190
300 .....	...	220

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D.

Table D. Standard error of percentages

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
150 ...	1.0	1.4	2.2	3.0	3.5	4.0	4.2	4.7	4.9
250 ...	.8	1.1	1.7	2.3	2.8	3.1	3.4	3.7	3.9
500 ...	.6	.8	1.2	1.7	2.0	2.2	2.4	2.6	2.8
1,000 ..	.4	.5	.9	1.2	1.4	1.6	1.7	1.9	1.9
2,000 ..	.3	.4	.6	.8	1.0	1.1	1.2	1.3	1.4
3,000 ..	.2	.3	.5	.7	.8	.9	1.0	1.1	1.1
5,000 ..	.2	.2	.4	.5	.6	.7	.8	.8	.9
10,000 .	.1	.2	.3	.4	.4	.5	.5	.6	.6
25,000 .	.1	.1	.2	.2	.3	.3	.3	.4	.4
50,000 .	.1	.1	.1	.2	.2	.2	.2	.3	.3
75,000 .	.1	.1	.1	.1	.2	.2	.2	.2	.2

# Establishment Data

## COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in nonfarm establishments, by industry and geographic location.

### Federal-State Cooperation

Under cooperative arrangements with State agencies, the respondent fills out only one employment or labor turnover schedule, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents and, together with the use of identical techniques at the national and State levels, insures maximum geographic comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the data to the BLS for use in preparing the national series.

### Shuttle Schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The schedule is returned to the respondent each month by the collecting agency so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

The BLS 790 provides for entry of data on the number of full- and part-time workers, on the payrolls of nonagricultural establishments and, for most industries, payroll and man-hours of production and related workers or nonsupervisory workers for the pay period which most nearly coincides with the *standard survey reference week* (the calendar week, Sunday through Saturday, which includes the 12th of the month). The labor turnover schedule provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

## CONCEPTS

### Industrial Classification

Establishments are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on an industry class supplement to the monthly 790 or 1219 report. In the case of an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1957. Since many of the published industry series represent combinations of SIC industries, the BLS has prepared a *Guide to Employment Statistics of BLS, 1961* which specifies the SIC code or codes covered by each industry title listed in *Employment and Earnings*. In addition, the *Guide* provides industry definitions and lists the beginning date of each series. The *Guide* is available free upon request.

### Industry Employment

Employment data for all except the Federal Government refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period, or who are hired but do not report to work during the period.

### Industry Hours and Earnings

Hours and earnings data are derived from reports of payrolls and man-hours for production and related workers, construction workers, or nonsupervisory employees. These terms are defined below. When the pay period reported is longer than 1 week, the figures are reduced to a weekly basis.

*Production and related workers* include working foremen and all nonsupervisory workers (including leadmen and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

*Construction workers* relate to the following employees in the contract construction division: Working foremen, journeymen, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

**Nonsupervisory employees** include employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, attendants, service employees, linemen, laborers, janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

**Payroll** covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in pay period reported (e.g., retroactive pay), and the value of free rent, fuel, meals, or other payment in kind are excluded.

**Man-hours** cover man-hours worked or paid for, during the pay period which includes the 12th of the month, for production, construction, and nonsupervisory workers. The man-hours include hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

**Overtime hours** cover premium overtime hours of production and related workers during the pay period which includes the 12th of the month. Overtime hours are those for which premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or workweek. Weekend and holiday hours are included only if premium wage rates were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

#### **Gross Average Hourly and Weekly Earnings**

Average hourly earnings for manufacturing and non-manufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime and late-shift work, and changes in output of workers paid on an incentive plan. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time, while rates are the amounts stipulated for a given unit of work or time. The earnings series, however, does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker or nonsupervisory-employee definitions.

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by

changes in gross average hourly earnings, but also by changes in the length of the workweek, part-time work, stoppages for varying causes, labor turnover, and absenteeism.

#### **Average Weekly Hours**

The workweek information relates to the average hours for which pay was received, and is different from standard or scheduled hours. Such factors as absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

#### **Average Overtime Hours**

The overtime hours represent that portion of the gross average weekly hours which were in excess of regular hours and for which premium payments were made. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction, from month-to-month; for example, premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level may also be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

#### **Railroad Hours and Earnings**

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees who received pay during the month, except executives, officials, and staff assistants (ICC group I). Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

#### **Spendable Average Weekly Earnings**

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from gross weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents, and a worker with three dependents. The computations are based on the gross average weekly earnings for all production or nonsupervisory workers in the industry division without regard to marital status, family composition, or total family income.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. The resulting level of earnings expressed in 1957-59 dollars is thus adjusted for changes in purchasing power since the base period.

#### Average Hourly Earnings Excluding Overtime

Average hourly earnings excluding premium overtime pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker man-hours and one-half of total overtime man-hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

#### Indexes of Aggregate Weekly Payrolls and Man-Hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1957-59 period. The man-hour aggregates are the product of average weekly hours and production-worker employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

#### Labor Turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

*Accessions* are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

*New hires* are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

*Other accessions*, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from another establishment of the company.

*Separations* are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, as defined as follows:

*Quits* are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

*Layoffs* are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

*Other separations*, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

#### Comparability With Employment Series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

#### ESTIMATING METHODS

The principal features of the estimating procedure used to prepare estimates of employment for the industry statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of a modified cutoff type of sample.

#### The "Link Relative" Technique

From a sample of establishments, which report for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." Other features of the general procedures used for estimating industry employment, hours, earnings, and labor turnover statistics are described in the table on page 12-E. Further details are given in the technical notes on *Measurement of Employment, Hours, and Earnings in Nonagricultural Industries* and on *Measurement of Labor Turnover*, which are available upon request.

A number of industries are stratified by size of establishment and/or by region, and the stratified production- or nonsupervisory-worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods on page 12-E, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.



## Benchmark Adjustments

Employment estimates are periodically compared with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1963 levels; normally, benchmark adjustments are made annually.

The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations, covering three-fourths of the total nonfarm employment in the United States, are prepared under the direction of the Bureau of Employment Security. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment, while the sample is used to measure the month-to-month changes in the level.

Data for all months between the previous benchmark and the month in which the adjusted series is published are therefore subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics. The current volume in this series is *Employment and Earnings Statistics for the United States, 1909-64*, Bulletin 1312-2 (Dec. 1964), and contains monthly statistics from the earliest date of availability through August 1964.

## THE SAMPLE

### Design

The sample design used in the BLS establishment employment and labor turnover statistics programs is that of a modified cutoff sample. In a cutoff design, all establishments in a category are listed in sequence by number of employees. A cutoff point is selected in terms of the number of employees in an establishment, and only establishments above the cutoff point are included in the design. At present, sample selection is made by the co-operating State agencies at the area level with supplementation for establishments in sections of the State lying outside of the defined areas. The national sample therefore is then the sum of all the State samples.

In cutoff sampling, the general objective is to obtain a sample comprising a large enough proportion of universe employment so that satisfactory estimates can be prepared. Since employer participation in the BLS programs is voluntary, some establishments above the cutoff may decline to report. To replace these in the design, reports are solicited from the next largest establishments below the cutoff until the desired employment

coverage is attained. In addition, to meet the needs of preparing estimates of weekly hours and hourly earnings, procedures were introduced to secure representation of the smaller establishments in each industry. Because of this procedure, and also because sampling takes place primarily at the level of the metropolitan areas, which vary greatly in size, the sample includes a considerable number of small establishments, together with a very substantial proportion of the larger establishments in American industry.

In the context of the BLS employment and labor turnover statistics program, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail. The tendency of such a sample to produce biased estimates of the level of earnings for certain industries is counteracted by the stratified estimating procedure described under "Estimating Methods."

### Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. The table that follows shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Approximate size and coverage of BLS employment and payrolls sample, March 1963<sup>1</sup>

Industry division	Employees	
	Number reported	Percent of total
Mining . . . . .	287,000	47
Contract construction . . . . .	582,000	23
Manufacturing . . . . .	10,753,000	64
Transportation and public utilities:		
Railroad transportation (ICC)	737,000	97
Other transportation and public utilities . . . . .	1,711,000	55
Wholesale and retail trade . . . . .	2,265,000	20
Finance, insurance and real estate . . . . .	1,020,000	36
Service and miscellaneous . . . . .	1,541,000	19
Government:		
Federal (Civil Service Commission) <sup>2</sup> . . . . .	2,334,000	100
State and local . . . . .	3,459,000	50

<sup>1</sup>Since a few establishments do not report payroll and man-hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup>State and area estimates of Federal employment are based on reports from a sample of Federal establishments, collected through the BLS-State cooperative program.

The table below shows the approximate coverage, in terms of employment, of the labor turnover sample.

Approximate size and coverage of BLS labor turnover sample, March 1963

Industry	Employees	
	Number reported	Percent of total
Manufacturing .....	9,131,000	55
Metal mining .....	58,000	75
Coal mining .....	62,000	42
Communications:		
Telephone .....	578,000	85
Telegraph .....	25,000	73

#### Reliability of the Employment Estimate

One measure of the reliability of an employment estimate projected from a benchmark is the amount by which it differs from the new benchmark at the next adjustment period. The BLS uses this criterion instead of the standard error of the estimates, since it is not possible to compute a mathematically precise statement of error unless the estimates are based on a probability sample. An approximation of the accuracy of the BLS employment estimates is shown by the following table:

Nonagricultural payroll employment estimates, by industry division, as a percentage of the benchmark for recent years

Industry division	1961	1962	1963
Total .....	100.0	99.3	101.0
Mining .....	99.4	99.2	100.3
Contract construction. ....	99.9	93.9	101.5
Manufacturing. ....	99.7	99.4	100.1
Transportation and public utilities .....	100.7	100.4	100.0
Wholesale and retail trade. .	100.5	100.1	100.6
Finance, insurance, and real estate .....	101.0	99.9	99.8
Service and miscellaneous .	99.4	98.0	100.8
Government .....	100.0	100.0	103.8

For some detailed industries, the relative size of the correction to benchmarks is somewhat greater than is indicated for the major industry divisions in the preceding table.

The high degree of reliability of BLS estimates is due to the relatively large percentage of the employment universe covered by the sample, the frequent adjustments of employment estimates to benchmark levels, and the use of special techniques, such as stratification by size and/or region.

Differences between the benchmarks and the estimates, as well as the sampling and response errors, result from changes in the industrial classification of individual establishments (resulting from changes in their product), which are not reflected in the levels of estimates until the data are adjusted to new benchmarks. At more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments; however, it becomes of less importance at broader aggregations of industries. Another cause of differences, generally minor, between the estimates and the benchmark arises from improvements in the quality of benchmark data.

For the most recent months, national estimates of employment, hours, and earnings are preliminary, and are so footnoted in the tables. These particular figures are based on less than the full sample and consequently are subject to revisions when all the reports in the sample have been received. Studies of these revisions of preliminary estimates in the past indicate that they have been relatively small (and most frequently upward) for employment, and even smaller for hours and earnings.

#### STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas, as defined in the Annual Supplement Issue of *Employment and Earnings*. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

Users of State and area employment, hours, and earnings statistics may be interested in *Employment and Earnings Statistics for States and Areas, 1939-63*, BLS Bulletin 1370-1. For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented from the earliest date of availability of each series through 1963.

## Seasonal Adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but, in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment method used for these series is an adaptation of the standard ratio-to-moving average method, with a provision for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description and illustration of the basic method was published in the August 1960 *Monthly Labor Review*, and a revised version is described in the 1962 Report of the President's Committee to Appraise Employment and Unemployment Statistics, *Measuring Employment and Unemployment*, Appendix G, "The Bureau of Labor Statistics Seasonal Factor Method."

For establishment data, the seasonally adjusted series on weekly hours and labor turnover rates for industry groupings are computed by applying factors directly to the corresponding unadjusted series, but seasonally adjusted employment totals for all employees and production workers by industry divisions are obtained by summing the seasonally adjusted data which are published for component industries. Seasonally adjusted aggregate weekly man-hours for mining, contract construction, and the major industries in manufacturing are obtained by multiplying average weekly hours, seasonally adjusted, by production workers, seasonally adjusted. For total, manufacturing, and

durable and nondurable goods, aggregate weekly man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-hours, seasonally adjusted, for the appropriate component industries.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Post Office Department in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Post Office Department. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based. Factors currently in use for the establishment data are shown in the December 1964 *Employment and Earnings*, and revisions will be made coincidental with the adjustment of series to new benchmark levels.

For each of the three major labor force components—agricultural and nonagricultural employment, and unemployment—data for four age-sex groups (male and female workers under age 20, and age 20 and over) are separately adjusted for seasonal variation and are then added to give seasonally adjusted total figures. In order to produce seasonally adjusted total employment and civilian labor force data, the appropriate series are aggregated. The seasonally adjusted rate of unemployment is derived by dividing the seasonally adjusted figure for total unemployment (the sum of four seasonally adjusted age-sex components) by the figure for the seasonally adjusted civilian labor force (the sum of twelve seasonally adjusted age-sex components).

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1963 are published in the February 1964 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

**Summary of Methods for Computing Industry Statistics  
on Employment, Hours, Earnings, and Labor Turnover**

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<b>Monthly Data</b>		
All employees . . . . .	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers; women employees .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production-or nonsupervisory-worker estimates, or women estimates, for component cells.
Gross average weekly hours . . . . .	Production- or nonsupervisory-worker man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . . . .	Production-worker overtime man-hours divided by number of production workers.	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings . . . . .	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker man-hours.	Average, weighted by aggregate man-hours, of the average hourly earnings for component cells.
Gross average weekly earnings . . . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates (total, men, and women).	The number of particular actions (e.g., quits) in reporting firms divided by total employment in those firms. The result is multiplied by 100. For men (or women), the number of men (women) who quit is divided by the total number of men (women) employed.	Average, weighted by employment, of the rates for component cells.
<b>Annual Average Data</b>		
All employees and production or nonsupervisory workers.	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours . . . . .	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours . . . . .	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings . . . . .	Annual total of aggregate payrolls (production- or nonsupervisory-worker employment multiplied by weekly earnings) divided by annual aggregate man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-hours.
Gross average weekly earnings . . . . .	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates . . . . .	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

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