



# Employment and Earnings

SEPTEMBER 1957

Vol. 4 No. 3

## DIVISION OF MANPOWER AND EMPLOYMENT STATISTICS

Seymour L. Wolfbein, Chief

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#### QUIT RATES RELATED TO EARNINGS

#### AND WORK FORCE COMPOSITION...

The quit rate, a measure of workers voluntarily leaving jobs, is higher in industries with low earnings, many women employees, and relatively large numbers of production workers. This subject is discussed in an article beginning on page 111.

#### NEW AREA SERIES...

Manufacturing employment, hours, and earnings data for Fort Worth and San Antonio, Tex., are now shown in tables A-7 and C-6.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Subscription price: \$3.50 a year; \$1 additional for foreign mailing. Single copies vary in price. This issue is 40 cents.



# Employment and Earnings

The national employment figures shown in this report have been adjusted to first quarter 1956 benchmark levels.

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REGIONAL OFFICES AND COOPERATING STATE AGENCIES.....Inside back cover

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# The Nature of Industries With High and Low Quit Rates

Robert M. Shaw

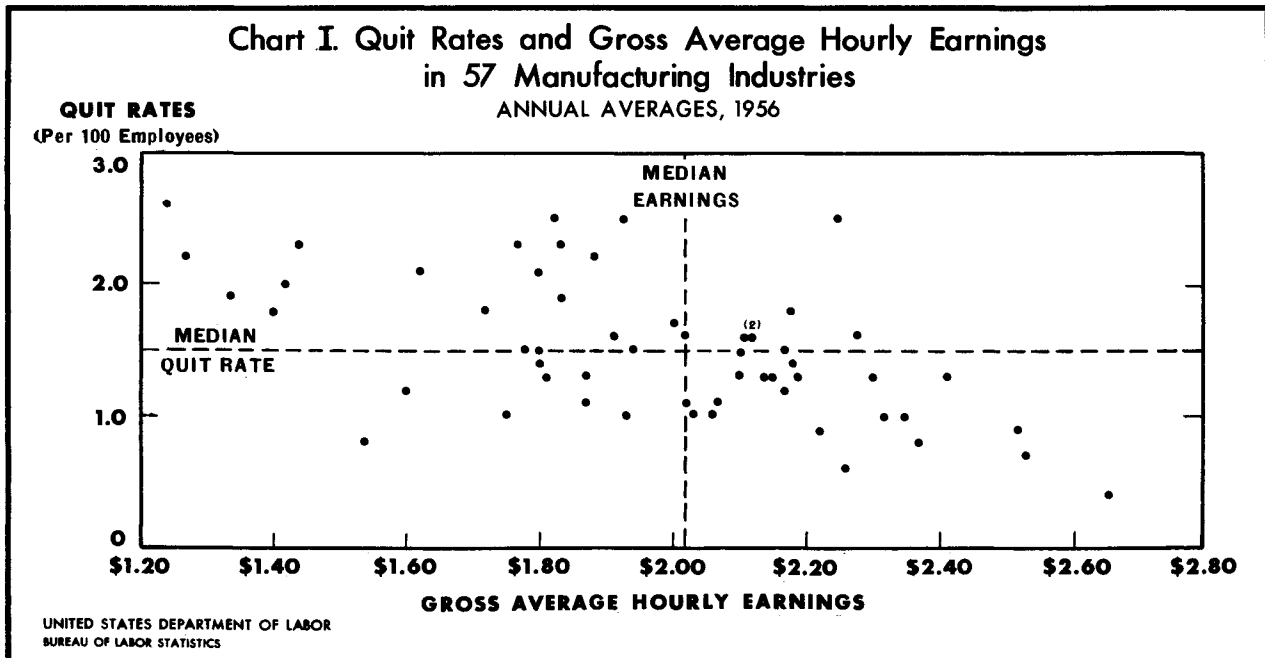
The quit rate, a measure of workers voluntarily leaving jobs, is not only affected by general economic conditions, but at any particular point in time shows decided variations among industries. In this article, some of the characteristics of industries with high and low quit rates are examined. Although such an investigation does not yield definitive reasons for quits since it lacks information concerning individual motivations, working conditions, community facilities such as housing and transportation, etc., some light may be shed on the nature of industries with high and low rates. This knowledge will not only aid in understanding the differences among industries but will also suggest possible sources of variation between the experience of an individual firm and rates for the industry as a whole, published monthly in table B-2 of this publication.

The seasonal and long-term trends in quit rates for manufacturing industries in general

were analyzed in an earlier issue of *Employment and Earnings*.<sup>1</sup> Briefly, in that article it was demonstrated that a seasonal pattern exists, and that there is a long-term decline in the quit rate among workers in manufacturing industries.

The list of industries examined here has been limited to those for which certain statistical measures of characteristics exist (see table). Specifically, for all the 57 manufacturing industries selected, the following BLS data are available: number of all employees and production workers; number of women employees; labor turnover rates; and gross average hourly earnings of production workers. The statistical data used are annual averages for 1956, with one exception which has been noted. (Similar data compiled for

<sup>1</sup>See *Employment and Earnings*, December 1956 (pp.iii-ix); reprints available upon request.



Quit rates, hourly earnings, and percent of women employees and production workers  
in 57 selected manufacturing industries, annual averages, 1 1956

Industry	Quit rate (per 100 employees)	Production- worker gross average hourly earnings	Percent of—	
			Women employees	Production workers
Men's and boys' furnishings and work clothing.....	2.6	\$1.24	84	92
Rubber footwear.....	2.5	1.82	51	82
Ship and boat building and repairing.....	2.5	2.25	4	88
Other transportation equipment.....	2.5	1.93	19	83
Sawmills and planing mills.....	2.3	1.77	4	92
Paperboard containers and boxes.....	2.3	1.83	29	82
Footwear (except rubber).....	2.3	1.44	56	90
Cigars.....	2.2	1.27	79	95
Communication equipment.....	2.2	1.88	48	70
Bakery products.....	2.1	1.80	22	80
Household furniture.....	2.1	1.62	18	86
Knitting mills.....	2.0	1.42	68	91
Yarn and thread mills.....	1.9	1.34	44	93
Millwork, plywood, and prefabricated structural wood products	1.9	1.83	8	85
Broad-woven fabric mills.....	1.8	1.40	39	94
Men's and boys' suits and coats.....	1.8	1.72	63	90
Nonferrous foundries.....	1.8	2.18	14	83
Cutlery, hand tools, and hardware.....	1.7	2.00	30	81
Pottery and related products.....	1.6	1.91	35	88
Iron and steel foundries.....	1.6	2.12	4	87
Heating apparatus (except electric) and plumbers' supplies...	1.6	2.02	12	78
Fabricated structural metal products.....	1.6	2.11	7	75
Metal stamping, coating, and engraving.....	1.6	2.12	21	83
Aircraft and parts.....	1.6	2.28	16	66
Other rubber products.....	1.5	1.94	32	79
Structural clay products.....	1.5	1.80	9	89
Construction and mining machinery.....	1.5	2.17	8	73
Electrical generating, transmission, distribution, and industrial apparatus.....	1.5	2.10	30	71
Jewelry, silverware, and plated ware.....	1.5	1.78	41	80
Carpets, rugs, other floor covering.....	1.4	1.80	25	84
General industrial machinery.....	1.4	2.18	13	67
Grain-mill products.....	1.3	1.87	15	71
Engines and turbines.....	1.3	2.30	14	73
Metalworking machinery.....	1.3	2.41	12	77
Special-industry machinery.....	1.3	2.10	11	71
Office and store machines and devices.....	1.3	2.19	28	76
Service-industry and household machines.....	1.3	2.14	15	77
Miscellaneous machinery parts.....	1.3	2.15	18	78
Watches and clocks.....	1.3	1.81	53	81
Dyeing and finishing textiles.....	1.2	1.80	22	87
Agricultural machinery and tractors.....	1.2	2.17	10	72
Meat products.....	1.1	2.02	25	80
Paints, pigments, and fillers.....	1.1	2.07	15	62
Leather: tanned, curried, and finished.....	1.1	1.87	12	90
Cigarettes.....	1.0	1.75	49	90
Pulp, paper, and paperboard mills.....	1.0	2.06	11	83
Industrial inorganic chemicals.....	1.0	2.32	8	69
Drugs and medicines.....	1.0	1.93	39	59
Cement, hydraulic.....	1.0	2.03	3	84
Automobiles.....	1.0	2.35	11	80
Blast furnaces, steel works, and rolling mills.....	.9	2.52	4	85
Photographic apparatus.....	.9	2.22	29	64
Tobacco and snuff.....	.8	1.54	43	84
Railroad equipment.....	.8	2.37	8	76
Tires and inner tubes.....	.7	2.53	15	76
Industrial organic chemicals.....	.6	2.26	14	68
Petroleum refining.....	.4	2.65	7	65

1/ October 1956 data used to calculate percent of women employees.

two other years, 1950 and 1954, with higher and lower average quit rates than 1956, evidenced the same relationships between quits and earnings, women, and production workers.)

**Low earnings, high quits**

When the quit rates in the 57 selected industries are charted against gross average hourly earnings of production workers in these same industries (see chart I), a definite relationship between the two items emerges.<sup>2</sup> At the extremes, we find that low-earnings industries have relatively high quit rates and vice versa. Of that half of the industries with earnings less than the median, 17 had quit rates higher than the median quit rate, while 19 industries with higher than median earnings had lower than median quit rates.

This relationship between earnings and quit rates does not prove that high pay rates will reduce turnover. It does show that the complex of factors in low-earnings industries is such that these industries generally have higher quit rates, while the opposite is true of high-earnings industries.

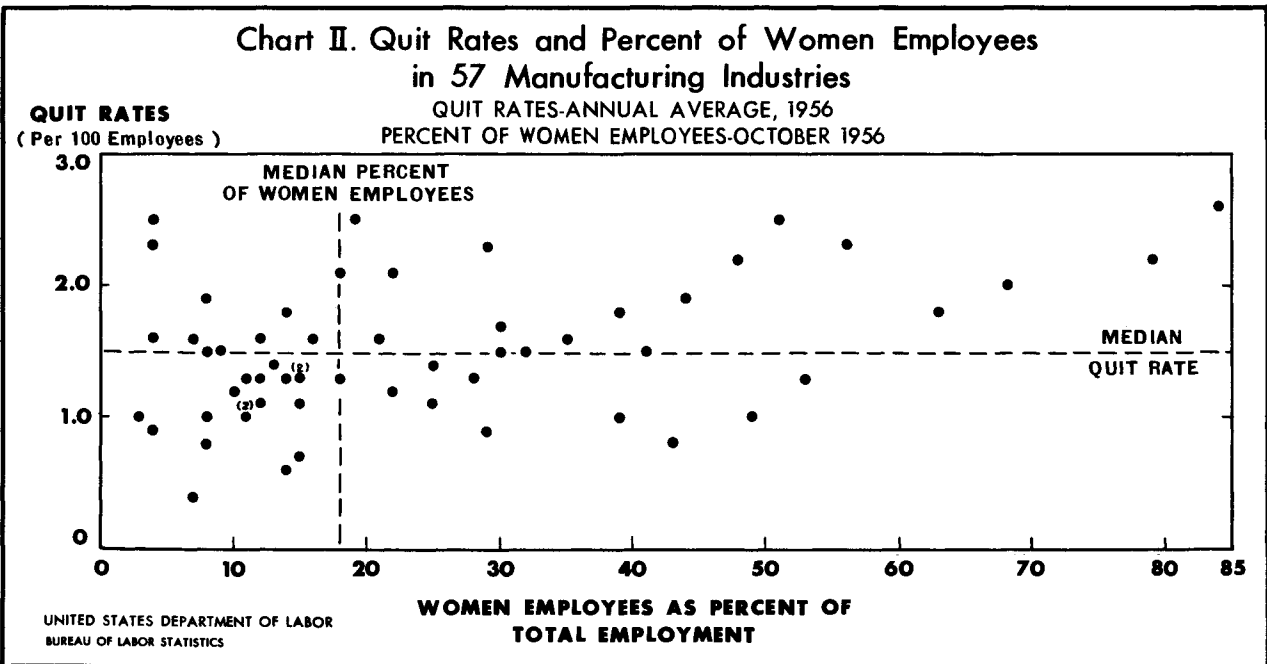
**More women workers, more quits**

The relationship between the proportion of women employees in an industry and the quit rate provides the basis for chart II.<sup>3</sup> For that half of the industries where the number of women employees is less than the median 18 percent, quit rates are lower than the median in 18 instances.

Turning to the industries where women workers comprise a significantly large percentage of the work force, those beyond the

<sup>2</sup>The average hourly earnings cover production and related workers, whereas the labor turnover rates apply to all employees. This disparity probably does not invalidate the conclusions appreciably, because the production-worker segment shows greater fluctuations in level and should theoretically have more influence on labor turnover rates. In addition, the production workers constitute the major portion of the work force in manufacturing industries.

<sup>3</sup>As stated earlier, the data used in this article are annual averages for 1956, except for the proportion of women employees, which relates to October 1956. Annual averages are not compiled for the latter series, but the proportion varies only slightly in most industries over relatively short time periods such as a year.



40-or 50-percent line on chart II, the evidence becomes stronger that these industries actually do have higher than average quit rates. In fact, the tendency is persistently upward as the proportion goes beyond 60 percent, although the number of observations is too small to reach any firm conclusions in these upper extremes. Supporting evidence is available, however, from the table published quarterly in *Employment and Earnings* which shows quit rates among men and women employees separately in 20 major manufacturing groups. These statistics show that the quit rates for women tend to be considerably higher in nearly all industry groups.

At the very least, one can conclude that a relatively high quit rate is not unexpected where women workers predominate.

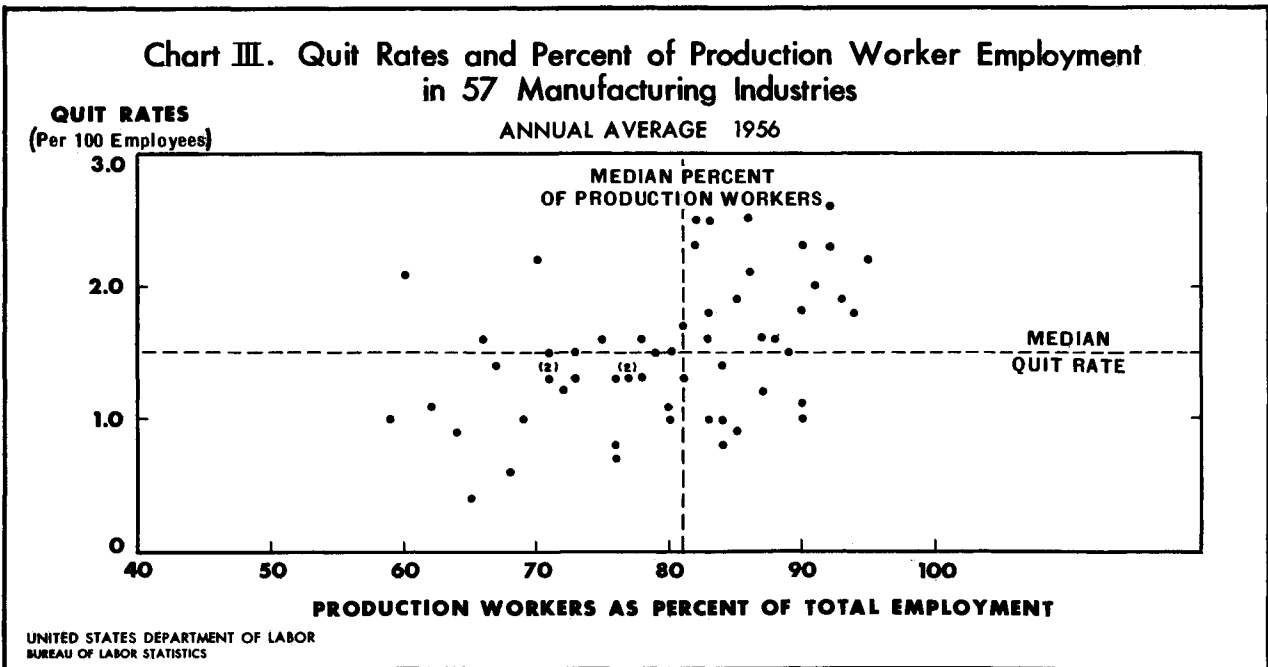
It seems pertinent to point out here that turnover among men is probably a bit more susceptible to control than that among women. About 9 percent of the job terminations among women in 1955 were for such compelling reasons as illness or household responsibilities, items which are beyond effective remedial action on the employer's part.<sup>4</sup> Only 3 percent of the job terminations among male workers

resulted from illness or disability and, of course, practically none from household responsibilities. Further, more than 39 percent of all male job leavers surveyed in 1955 quit to improve their status (better pay, pleasanter working conditions, etc.) as against less than 35 percent of the female job leavers.

**Quits tend to be higher for production workers than office workers**

A third variable among the 57 industries is the ratio of production workers to total employment in the industry. The relationship between the production worker-all employee ratio and the quit rate for all employees is plotted in chart III. At the lower end of the scale, those industries where production workers constitute less than the median 81 percent of the work force, the quit rate is below the median 1.5 per 100 in 19 industries.

<sup>4</sup>Current Population Reports, Labor Force, Series P-50, No. 70, U. S. Bureau of the Census. Job terminations in the Census survey were not limited to quits, but covered both voluntary and involuntary separations.



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On the other hand, the quit rates are consistently above the median among the 6 industries where the proportion of production workers is greater than 90 percent.

A closer look at chart III shows that the tendency for lower quit rates among the group of industries with smaller production worker-all employee ratios is particularly persistent. Among that half of the industries where production workers constitute 80 percent or

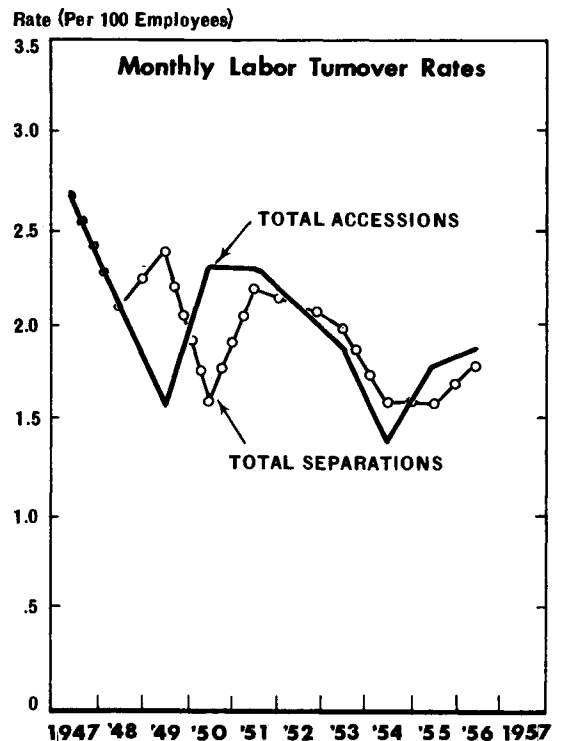
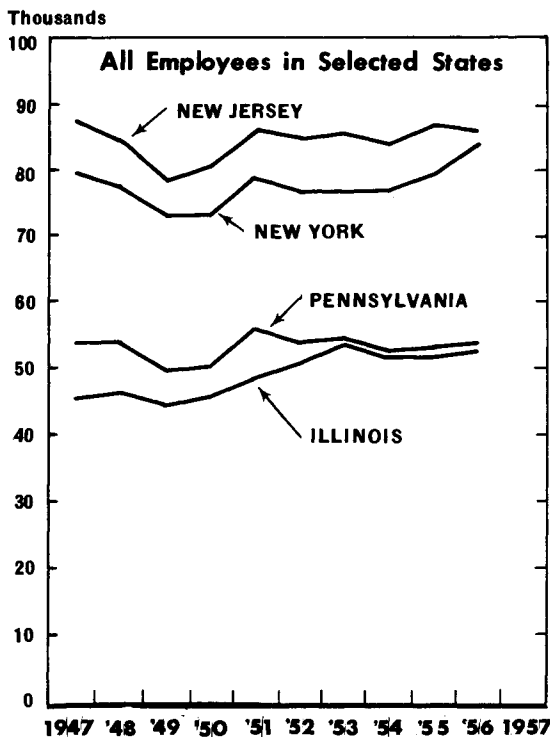
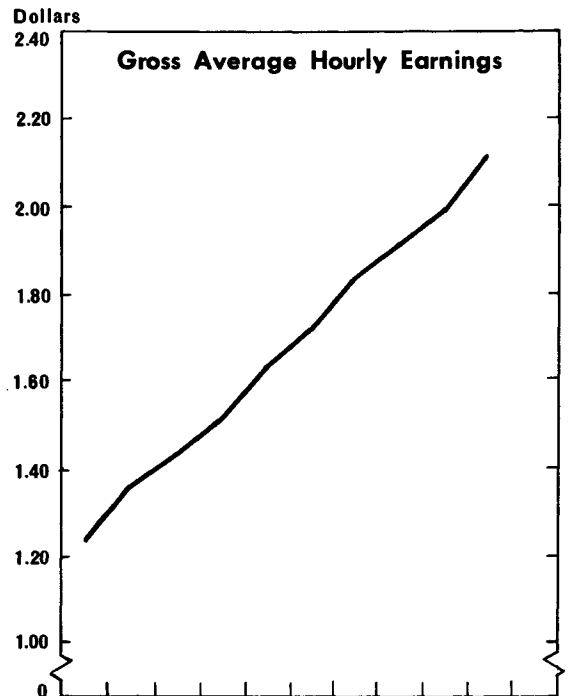
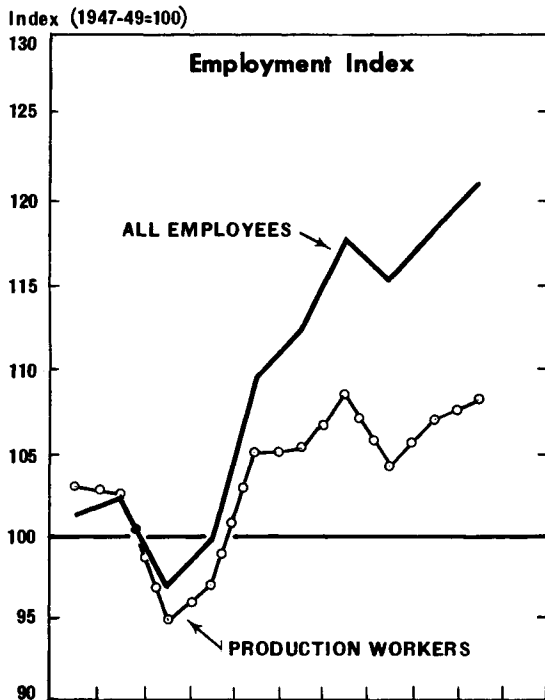
less of the work force, only 2 have quit rates above 1.6 per 100.

From the foregoing discussion, it appears, therefore, that the quit rate among production workers is higher than among workers not directly associated with production, such as managerial, personnel, and sales staffs. Without separate labor turnover rates for the two classes of workers, however, this may only be surmised.

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# The Chemicals and Allied Products Industry

## Annual Averages, 1947-56



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS





# Employment Trends

## NONFARM EMPLOYMENT RISES 238,000 IN AUGUST 1957

Nonfarm employment rose by 238,000 over the month to a level of 52.8 million in August 1957. The rise, which resulted from the usual late-summer expansion in food processing, apparel, and several other manufacturing industries, was modest in relation to the rise in most recent years.

Average hourly earnings of factory production workers held steady between July and August at \$2.07. Average weekly earnings rose to \$82.59 as a result of an increase in the workweek from 39.7 to 39.9 hours.

## NONMANUFACTURING EMPLOYMENT STEADY

Job levels in nonmanufacturing activities were, on the whole, little changed between July and August. Employment in trade held firm over the month, but construction employment rose by less than the usual amount, partly because of industrial disputes. A rise in inventory of petroleum products resulted in a small employment cutback in petroleum and natural-gas fields. Employment in the transportation industry increased with the return of railway express workers after settlement of a strike.

## FACTORY JOBS UP LESS THAN SEASONALLY

Manufacturing employment rose by 251,000 to 16.9 million in August, a somewhat smaller than usual rise for the month. The largest employment increases occurred in food processing (77,000), where cannery activity was stepped up to process fruit and vegetable harvests, and in apparel (58,000), where large-scale production of the winter clothing line commenced. The increase in apparel employment between July and August was below that of previous years. Employment changes in other nondurable-goods industries were mainly seasonal.

The August job increase in durable-goods industries was smaller than usual. There was virtually no change in job levels in the lumber industry between July and August. The steel industry reported a continuation of job declines instead of the usual small increase, and substantial job cutbacks were reported by aircraft manufacturers and producers of machine-tool accessories.

Increasing employment activity, apparently connected with preparation for 1958 car model production, was reported by a number of automobile component suppliers--notably producers of metal stampings, electrical equipment for vehicles, and

automobile hardware. A strong seasonal employment upturn was noted among manufacturers of radio and television sets. A job increase in cement plants reflected the return of striking workers.

In contrast to the persistent month-to-month employment gains registered in nonmanufacturing activities, manufacturing employment has shown small declines, on a seasonally adjusted basis, since the beginning of 1957. Factory job levels have declined by almost 280,000 over this period, after allowing for the usual seasonal change. About two-thirds of this decline occurred in durable-goods producing industries. Aside from the transportation equipment industry, where the drop in employment from December to August reflected different stages in the automobile production year, substantial job reductions on a seasonally adjusted basis were reported by the primary metals, machinery, lumber, and food processing industries. On the other hand, the electrical machinery industry reported considerable job growth over the same period.

## FACTORY WORKWEEK AT 39.9 HOURS

The factory workweek rose from 39.7 to 39.9 hours between July and August 1957. Although the rise was approximately seasonal for the period, the level of 39.9 hours was 0.4 hours below a year ago and generally below the August level of previous years. In only 3 of the 10 years from 1947 to 1956 has the August workweek averaged less than 40 hours.

The increase of 0.2 hours in durable-goods industries was below average for this month. The lumber and fabricated metals industries reported smaller rises in hours of work than are usual in August, and the workweeks in the machinery and primary metals industries declined slightly, although small increases normally occur.

In the nondurable-goods sector, hours of work declined by more than the usual amount from July to August both in food processing establishments and in petroleum refineries. The printing industry, however, reported a gain considerably greater than seasonal.

Average overtime work in manufacturing declined by 0.1 hour over the month to a level of 2.3 hours, 0.4 hours below a year ago.

Compared with a year ago, substantially shorter hours of work prevailed in a number of industries, notably lumber (1.5 hours below a year ago), machinery (1.1 hours), transportation equipment and food (1.0 hour), ordnance (0.7 hours), and electrical

machinery and tobacco (0.6 hours).

FACTORY EARNINGS RISE

Earnings of factory production workers rose by 41 cents to \$82.59 in August as a result of the lengthened workweek. Hourly earnings were

unchanged at \$2.07.

Factory earnings were higher by 9 cents per hour and \$2.80 per week compared with August 1956. Industries reporting the largest over-the-year increases in weekly earnings were primary metals (\$7.00), rubber (\$6.52), fabricated metals (\$5.73), and chemicals (\$4.96).

**Table 1. Employees in nonagricultural establishments,  
by industry division and selected groups**

(In thousands)

Industry division and group	Current			Year ago	August 1957 net change from:	
	Aug. 1957 1/	July 1957 1/	June 1957	Aug. 1956	Previous month	Year ago
<b>TOTAL</b> .....	<b>52,838</b>	<b>52,600</b>	<b>52,881</b>	<b>52,258</b>	<b>+238</b>	<b>+580</b>
<b>MINING</b> .....	<b>854</b>	<b>856</b>	<b>858</b>	<b>839</b>	<b>- 2</b>	<b>+ 15</b>
Metal mining.....	113.1	114.2	112.4	110.2	- 1.1	+ 2.9
Bituminous-coal.....	231.8	230.4	241.9	235.3	+ 1.4	- 3.5
Nonmetallic mining and quarrying.....	120.7	119.3	118.7	120.9	+ 1.4	- .2
<b>CONTRACT CONSTRUCTION</b> .....	<b>3,299</b>	<b>3,280</b>	<b>3,232</b>	<b>3,361</b>	<b>+ 19</b>	<b>- 62</b>
<b>MANUFACTURING</b> .....	<b>16,949</b>	<b>16,698</b>	<b>16,852</b>	<b>17,035</b>	<b>+251</b>	<b>- 86</b>
<b>DURABLE GOODS</b> .....	<b>9,807</b>	<b>9,752</b>	<b>9,913</b>	<b>9,780</b>	<b>+ 55</b>	<b>+ 27</b>
Ordnance and accessories.....	125.3	124.8	126.7	129.3	+ .5	- 4.0
Lumber and wood products (except furniture).....	715.2	714.1	729.7	789.2	+ 1.1	- 74.0
Furniture and fixtures.....	376.0	369.3	371.8	379.6	+ 6.7	- 3.6
Stone, clay, and glass products.....	559.4	538.1	555.2	567.4	+ 21.3	- 8.0
Primary metal industries.....	1,297.4	1,301.8	1,318.9	1,307.6	- 4.4	- 10.2
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,126.4	1,108.7	1,125.6	1,094.7	+ 17.7	+ 31.7
Machinery (except electrical).....	1,668.7	1,685.7	1,714.6	1,707.6	- 17.0	- 38.9
Electrical machinery.....	1,245.7	1,220.6	1,222.0	1,215.1	+ 25.1	+ 30.6
Transportation equipment.....	1,871.0	1,886.0	1,925.9	1,746.0	- 15.0	+125.0
Instruments and related products.....	338.4	335.2	338.0	338.6	+ 3.2	- .2
Miscellaneous manufacturing industries...	483.8	467.3	485.0	505.0	+ 16.5	- 21.2
<b>NONDURABLE GOODS</b> .....	<b>7,142</b>	<b>6,946</b>	<b>6,939</b>	<b>7,255</b>	<b>+196</b>	<b>-113</b>
Food and kindred products.....	1,648.7	1,571.3	1,510.7	1,707.1	+ 77.4	- 58.4
Tobacco manufactures.....	103.3	79.9	82.5	106.1	+ 23.4	- 2.8
Textile-mill products.....	1,003.9	986.4	1,004.2	1,047.8	+ 17.5	- 43.9
Apparel and other finished textile products.....	1,215.3	1,157.3	1,180.5	1,220.5	+ 58.0	- 5.2
Paper and allied products.....	577.3	570.0	578.7	577.4	+ 7.3	- .1
Printing, publishing, and allied industries.....	855.2	860.3	861.7	852.2	- 5.1	+ 3.0
Chemicals and allied products.....	831.1	829.2	831.8	832.8	+ 1.9	- 1.7
Products of petroleum and coal.....	261.4	260.7	259.1	261.2	+ .7	+ .2
Rubber products.....	263.1	258.5	255.7	264.8	+ 4.6	- 1.7
Leather and leather products.....	382.9	372.3	373.9	385.4	+ 10.6	- 2.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	<b>4,223</b>	<b>4,202</b>	<b>4,181</b>	<b>4,190</b>	<b>+ 21</b>	<b>+ 33</b>
TRANSPORTATION.....	2,785	2,766	2,762	2,769	+ 19	+ 16
COMMUNICATION.....	821	821	813	813	0	+ 8
OTHER PUBLIC UTILITIES.....	617	615	606	608	+ 2	+ 9
<b>WHOLESALE AND RETAIL TRADE</b> .....	<b>11,505</b>	<b>11,510</b>	<b>11,505</b>	<b>11,198</b>	<b>- 5</b>	<b>+307</b>
<b>WHOLESALE TRADE</b> .....	<b>3,173</b>	<b>3,166</b>	<b>3,140</b>	<b>3,064</b>	<b>+ 7</b>	<b>+109</b>
<b>RETAIL TRADE</b> .....	<b>8,332</b>	<b>8,344</b>	<b>8,365</b>	<b>8,134</b>	<b>- 12</b>	<b>+198</b>
General merchandise stores.....	1,355.8	1,354.6	1,379.8	1,344.4	+ 1.2	+ 11.4
Food and liquor stores.....	1,605.6	1,605.5	1,606.9	1,541.5	- 4.9	+ 59.1
Automotive and accessories dealers.....	807.3	808.3	803.6	804.6	- 1.0	+ 2.7
Apparel and accessories stores.....	570.3	582.8	619.8	563.2	- 12.5	+ 7.1
Other retail trade.....	3,997.6	3,992.9	3,955.1	3,880.1	+ 4.7	+117.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	<b>2,393</b>	<b>2,392</b>	<b>2,359</b>	<b>2,361</b>	<b>+ 1</b>	<b>+ 32</b>
<b>SERVICE AND MISCELLANEOUS</b> .....	<b>6,506</b>	<b>6,524</b>	<b>6,551</b>	<b>6,293</b>	<b>- 18</b>	<b>+213</b>
<b>GOVERNMENT</b> .....	<b>7,109</b>	<b>7,138</b>	<b>7,343</b>	<b>6,981</b>	<b>- 29</b>	<b>+128</b>
<b>FEDERAL</b> .....	<b>2,227</b>	<b>2,219</b>	<b>2,211</b>	<b>2,208</b>	<b>+ 8</b>	<b>+ 19</b>
<b>STATE AND LOCAL</b> .....	<b>4,882</b>	<b>4,919</b>	<b>5,132</b>	<b>4,773</b>	<b>- 37</b>	<b>+109</b>

1/ Preliminary.

**Table 2. Production workers in manufacturing, by major industry group**

(In thousands)

Major industry group	Current			Year ago	August 1957 net change from:	
	Aug. 1957 <u>1/</u>	July 1957 <u>1/</u>	June 1957	Aug. 1956	Previous month	Year ago
<b>MANUFACTURING.....</b>	<b>13,031</b>	<b>12,783</b>	<b>12,955</b>	<b>13,256</b>	<b>+248</b>	<b>-225</b>
<b>DURABLE GOODS.....</b>	<b>7,481</b>	<b>7,427</b>	<b>7,603</b>	<b>7,572</b>	<b>+ 54</b>	<b>- 91</b>
Ordnance and accessories.....	72.3	72.8	75.8	79.6	- .5	- 7.3
Lumber and wood products (except furniture).....	644.3	644.6	658.9	718.1	- .3	- 73.8
Furniture and fixtures.....	314.9	308.2	311.0	318.2	+ 6.7	- 3.3
Stone, clay, and glass products.....	459.8	442.7	459.3	474.6	+ 17.1	- 14.8
Primary metal industries.....	1,070.0	1,074.1	1,092.5	1,091.0	- 4.1	- 21.0
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	886.6	869.9	886.5	863.7	+ 16.7	+ 22.9
Machinery (except electrical).....	1,192.0	1,206.1	1,238.6	1,249.9	- 14.1	- 57.9
Electrical machinery.....	871.3	850.1	854.9	872.8	+ 21.2	- 1.5
Transportation equipment.....	1,362.6	1,369.1	1,415.2	1,265.8	- 6.5	+ 96.8
Instruments and related products.....	223.5	221.0	224.0	230.7	+ 2.5	- 7.2
Miscellaneous manufacturing industries...	383.5	368.6	386.1	407.9	+ 14.9	- 24.4
<b>NONDURABLE GOODS.....</b>	<b>5,550</b>	<b>5,356</b>	<b>5,352</b>	<b>5,684</b>	<b>+194</b>	<b>-134</b>
Food and kindred products.....	1,190.2	1,113.9	1,056.4	1,246.4	+ 76.3	- 56.2
Tobacco manufactures.....	93.9	70.7	73.2	97.7	+ 23.2	- 3.8
Textile-mill products.....	913.8	895.1	912.9	956.2	+ 18.7	- 42.4
Apparel and other finished textile products.....	1,079.7	1,025.0	1,044.7	1,089.0	+ 54.7	- 9.3
Paper and allied products.....	465.6	459.2	468.9	470.4	+ 6.4	- 4.8
Printing, publishing, and allied industries.....	551.5	552.8	556.0	550.2	- 1.3	+ 1.3
Chemicals and allied products.....	533.0	530.8	534.7	545.1	+ 2.2	- 12.1
Products of petroleum and coal.....	176.6	176.6	175.3	178.8	0	- 2.2
Rubber products.....	204.2	199.9	196.8	205.5	+ 4.3	- 1.3
Leather and leather products.....	341.6	331.7	332.7	344.6	+ 9.9	- 3.0

1/ Preliminary.

**Table 3. Hours and gross earnings of production workers in manufacturing,  
by major industry group**

Major industry group	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	Aug. 1/	July 1/	Aug.	Aug. 1/	July 1/	Aug.	Aug. 1/	July 1/	Aug.
<b>MANUFACTURING.....</b>	\$82.59	\$82.18	\$79.79	39.9	39.7	40.3	\$2.07	\$2.07	\$1.98
<b>DURABLE GOODS.....</b>	88.44	88.00	85.68	40.2	40.0	40.8	2.20	2.20	2.10
Ordnance and accessories.....	95.58	93.60	90.64	40.5	40.0	41.2	2.36	2.34	2.20
Lumber and wood products (except furniture).....	73.20	71.89	75.12	40.0	39.5	41.5	1.83	1.82	1.81
Furniture and fixtures.....	71.05	68.03	69.87	40.6	39.1	41.1	1.75	1.74	1.70
Stone, clay, and glass products.....	84.46	82.62	81.36	41.0	40.3	41.3	2.06	2.05	1.97
Primary metal industries.....	100.69	100.55	93.69	39.8	39.9	39.7	2.53	2.52	2.36
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	89.98	88.94	84.25	40.9	40.8	40.7	2.20	2.18	2.07
Machinery (except electrical).....	92.97	93.61	92.16	40.6	40.7	41.7	2.29	2.30	2.21
Electrical machinery.....	82.19	81.18	80.19	39.9	39.6	40.5	2.06	2.05	1.98
Transportation equipment.....	96.32	95.68	94.25	39.8	39.7	40.8	2.42	2.41	2.31
Instruments and related products.....	84.42	84.61	82.21	40.2	40.1	40.7	2.10	2.11	2.02
Miscellaneous manufacturing industries.....	72.40	71.31	69.95	40.0	39.4	40.2	1.81	1.81	1.74
<b>NONDURABLE GOODS.....</b>	74.47	74.86	71.68	39.4	39.4	39.6	1.89	1.90	1.81
Food and kindred products.....	76.78	79.30	74.16	40.2	41.3	41.2	1.91	1.92	1.80
Tobacco manufactures.....	57.37	63.76	55.52	38.5	39.6	39.1	1.49	1.61	1.42
Textile-mill products.....	59.19	57.90	56.45	39.2	38.6	39.2	1.51	1.50	1.44
Apparel and other finished textile products.....	55.57	54.30	54.17	36.8	36.2	36.6	1.51	1.50	1.48
Paper and allied products.....	87.55	87.14	83.50	42.5	42.3	42.6	2.06	2.06	1.96
Printing, publishing, and allied industries.....	97.52	95.88	94.28	38.7	38.2	38.8	2.52	2.51	2.43
Chemicals and allied products.....	92.70	92.25	87.74	41.2	41.0	41.0	2.25	2.25	2.14
Products of petroleum and coal.....	108.00	111.90	103.89	40.6	41.6	40.9	2.66	2.69	2.54
Rubber products.....	93.75	93.11	87.23	41.3	41.2	40.2	2.27	2.26	2.17
Leather and leather products..	59.06	58.29	56.40	38.6	38.1	37.6	1.53	1.53	1.50

1/ Preliminary.

**Table 4. Gross overtime weekly hours and average overtime hours of production workers in manufacturing, by major industry group**

Major industry group	August 1957		July 1957		June 1957		August 1956	
	Gross average weekly hours	Average over-time hours	Gross average weekly hours	Average over-time hours	Gross average weekly hours	Average over-time hours	Gross average weekly hours	Average over-time hours
<b>MANUFACTURING.....</b>	<b>39.9</b>	<b>2.3</b>	<b>39.7</b>	<b>2.4</b>	<b>40.0</b>	<b>2.4</b>	<b>40.3</b>	<b>2.7</b>
<b>DURABLE GOODS.....</b>	<b>40.2</b>	<b>2.2</b>	<b>40.0</b>	<b>2.3</b>	<b>40.5</b>	<b>2.4</b>	<b>40.8</b>	<b>2.9</b>
Ordnance and accessories.....	-	-	40.0	1.6	40.7	2.0	41.2	2.6
Lumber and wood products (except furniture)....	-	-	39.5	2.9	40.7	3.1	41.5	3.6
Furniture and fixtures.....	-	-	39.1	2.2	39.7	2.3	41.1	2.9
Stone, clay, and glass products.....	-	-	40.3	3.3	40.9	3.3	41.3	3.6
Primary metal industries.....	-	-	39.9	2.1	40.2	2.2	39.7	2.3
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	-	-	40.8	2.8	41.2	2.9	40.7	2.9
Machinery (except electrical).....	-	-	40.7	2.5	41.1	2.7	41.7	3.5
Electrical machinery.....	-	-	39.6	1.7	40.3	2.0	40.5	2.5
Transportation equipment.....	-	-	39.7	1.8	40.1	1.9	40.8	2.7
Instruments and related products.....	-	-	40.1	1.8	40.5	1.8	40.7	2.3
Miscellaneous manufacturing industries.....	-	-	39.4	2.1	39.9	2.2	40.2	2.6
<b>NONDURABLE GOODS.....</b>	<b>39.4</b>	<b>2.5</b>	<b>39.4</b>	<b>2.5</b>	<b>39.2</b>	<b>2.4</b>	<b>39.6</b>	<b>2.5</b>
Food and kindred products.....	-	-	41.3	3.5	40.9	3.3	41.2	3.3
Tobacco manufactures.....	-	-	39.6	2.0	38.6	1.5	39.1	1.0
Textile-mill products.....	-	-	38.6	2.1	38.9	2.3	39.2	2.4
Apparel and other finished textile products....	-	-	36.2	1.1	35.8	1.1	36.6	1.2
Paper and allied products.....	-	-	42.3	4.6	42.2	4.1	42.6	4.5
Printing, publishing, and allied industries....	-	-	38.2	2.7	38.4	2.8	38.8	3.2
Chemicals and allied products.....	-	-	41.0	2.2	41.2	2.2	41.0	2.2
Products of petroleum and coal.....	-	-	41.6	2.3	40.9	2.0	40.9	2.1
Rubber products.....	-	-	41.2	3.9	40.9	3.1	40.2	2.8
Leather and leather products.....	-	-	38.1	1.3	37.8	1.2	37.6	1.2

1/ Preliminary.

**Table 5. Index of employees in nonagricultural establishments,  
by industry division**

(1947-49=100)

Industry division	Current			Year ago
	August 1957 <u>1/</u>	July 1957 <u>1/</u>	June 1957	August 1956
<b>TOTAL 2/.....</b>	120.8	120.3	120.9	119.5
Mining.....	90.1	90.3	90.5	88.5
Contract construction.....	156.7	155.8	153.5	159.7
Manufacturing.....	113.5	111.8	112.9	114.1
Transportation and public utilities.....	103.7	103.2	102.7	102.9
Wholesale and retail trade.....	122.3	122.3	122.3	119.0
Finance, insurance, and real estate...	138.6	138.6	136.7	136.8
Service and miscellaneous.....	133.0	133.3	133.9	128.6
Government 2/.....	125.6	126.1	129.7	123.3

1/ Preliminary. 2/ March, April, May 1957 revised: Total, 118.7, 119.5, 120.0; government, 130.0, 130.3, 130.5, respectively.

**Table 6. Index of production workers in manufacturing,  
by major industry group,**

(1947-49=100)

Major industry group	Current			Year ago
	August 1957 <u>1/</u>	July 1957 <u>1/</u>	June 1957	August 1956
<b>MANUFACTURING.....</b>	105.4	103.3	104.7	107.2
<b>DURABLE GOODS.....</b>	112.1	111.3	113.9	113.5
Ordnance and accessories.....	317.6	322.1	335.3	352.9
Lumber and wood products (except furniture).....	87.3	87.4	89.3	97.3
Furniture and fixtures.....	106.7	104.3	105.3	107.7
Stone, clay, and glass products.....	105.7	101.8	105.5	109.2
Primary metal industries.....	104.0	104.3	106.2	106.0
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	113.9	111.7	114.4	110.9
Machinery (except electrical).....	104.8	106.1	109.0	109.9
Electrical machinery.....	136.0	132.7	133.5	136.3
Transportation equipment.....	133.3	133.9	138.4	123.8
Instruments and related products.....	115.5	113.9	115.5	119.1
Miscellaneous manufacturing industries .	101.1	97.1	101.6	107.4
<b>NONDURABLE GOODS.....</b>	97.5	94.0	94.0	99.8
Food and kindred products.....	100.5	94.1	89.2	105.3
Tobacco manufactures.....	89.0	67.2	69.1	92.7
Textile-mill products.....	74.8	73.2	74.7	78.2
Apparel and other finished textile products.....	103.7	98.4	100.4	104.6
Paper and allied products.....	116.3	114.6	117.1	117.3
Printing, publishing, and allied industries.....	114.8	115.0	115.7	114.4
Chemicals and allied products.....	104.4	104.0	104.8	106.8
Products of petroleum and coal.....	95.2	95.2	94.1	96.2
Rubber products.....	100.2	98.2	96.7	101.1
Leather and leather products.....	94.6	91.8	92.1	95.4

1/ Preliminary.

# Seasonally Adjusted Data

**Table 7. Employees in nonagricultural establishments,  
by industry division, seasonally adjusted**

Industry division	Index (1947-49=100)				Number (In thousands)			
	August 1957 1/	July 1957 1/	June 1957	August 1958	August 1957 1/	July 1957 1/	June 1957	August 1958
<b>TOTAL 2/</b> .....	120.7	120.7	120.6	119.3	52,788	52,809	52,773	52,180
Mining.....	89.2	90.7	90.1	87.7	846	860	854	831
Contract construction.....	143.8	145.6	147.6	146.5	3,027	3,065	3,108	3,083
Manufacturing.....	112.7	113.0	113.4	113.2	16,828	16,869	16,924	16,901
Transportation and public utilities..	103.0	102.5	102.3	102.2	4,192	4,171	4,164	4,159
Wholesale and retail trade.....	124.1	123.8	123.1	120.8	11,675	11,653	11,579	11,364
Finance, insurance, and real estate..	136.6	135.9	135.3	134.8	2,358	2,345	2,336	2,326
Service and miscellaneous.....	132.3	132.7	131.9	128.0	6,474	6,492	6,454	6,262
Government 2/.....	130.5	129.9	129.9	128.2	7,388	7,354	7,354	7,254

1/ Preliminary. 2/ Revised data for 1957: Total - March, 52,547; April, 52,593; May, 120.5 and 52,698. Government - March, 129.5, 7,331; April, 129.8, 7,347; May, 130.0 and 7,358.

**Table 8. Production workers in manufacturing,  
by major industry group, seasonally adjusted**

Major industry group	Index (1947-49=100)				Number (In thousands)			
	August 1957 1/	July 1957 1/	June 1957	August 1958	August 1957 1/	July 1957 1/	June 1957	August 1958
<b>MANUFACTURING</b> .....	104.5	104.8	105.3	106.2	12,929	12,966	13,026	13,137
<b>DURABLE GOODS</b> .....	112.8	113.0	113.8	114.1	7,525	7,543	7,598	7,616
Ordnance and accessories.....	317.6	322.1	335.3	352.9	72	73	76	80
Lumber and wood products (except furniture).....	83.9	85.6	86.3	93.5	619	632	637	690
Furniture and fixtures.....	108.4	108.7	108.7	109.4	320	321	321	323
Stone, clay, and glass products.....	104.6	102.8	105.1	108.0	455	447	457	470
Primary metal industries.....	104.4	105.4	106.2	106.5	1,075	1,085	1,093	1,096
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	115.0	115.1	113.9	112.1	896	897	891	873
Machinery (except electrical).....	107.6	107.7	107.9	112.8	1,223	1,224	1,227	1,282
Electrical machinery.....	138.8	137.6	134.9	139.1	880	881	864	891
Transportation equipment.....	133.3	133.9	138.4	123.8	1,363	1,369	1,415	1,266
Instruments and related products.....	117.0	116.5	116.0	121.1	227	226	225	235
Miscellaneous manufacturing industries.....	101.6	102.1	103.2	107.9	386	388	392	410
<b>NONDURABLE GOODS</b> .....	94.9	95.2	95.3	96.9	5,404	5,423	5,428	5,521
Food and kindred products.....	89.5	90.0	90.5	92.9	1,059	1,065	1,071	1,100
Tobacco manufactures.....	80.4	77.6	78.5	84.2	85	82	83	89
Textile-mill products.....	75.5	75.5	74.7	79.1	923	923	913	966
Apparel and other finished textile products.....	101.7	103.0	104.6	102.6	1,059	1,073	1,089	1,068
Paper and allied products.....	115.8	115.8	117.1	116.8	464	464	469	468
Printing, publishing, and allied industries.....	116.1	116.3	115.7	115.7	558	559	556	556
Chemicals and allied products.....	106.0	106.2	106.4	108.4	541	542	543	553
Products of petroleum and coal.....	93.5	93.5	92.5	94.1	174	174	172	175
Rubber products.....	101.1	101.1	96.7	102.1	206	206	197	208
Leather and leather products.....	92.6	92.6	92.6	93.5	335	335	335	338

1/ Preliminary.



**Table A-1: Employees in nonagricultural establishments,  
by industry division**

(In thousands)

Year and month	TOTAL	Mining	Contract con- struction	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscel- laneous	Government
<b>Annual average:</b>									
1919.....	26,829	1,124	1,021	10,534	3,711	4,664	1,050	2,054	2,671
1920.....	27,088	1,230	848	10,534	3,998	4,623	1,110	2,142	2,603
1921.....	24,125	953	1,012	8,132	3,459	4,754	1,097	2,187	2,531
1922.....	25,569	920	1,185	8,986	3,505	5,084	1,079	2,268	2,542
1923.....	28,128	1,203	1,229	10,155	3,882	5,494	1,123	2,431	2,611
1924.....	27,770	1,092	1,321	9,523	3,806	5,626	1,163	2,516	2,723
1925.....	28,505	1,080	1,446	9,786	3,824	5,810	1,166	2,591	2,802
1926.....	29,539	1,176	1,555	9,997	3,940	6,033	1,235	2,755	2,848
1927.....	29,691	1,105	1,608	9,839	3,891	6,165	1,295	2,871	2,917
1928.....	29,710	1,041	1,606	9,786	3,822	6,137	1,360	2,962	2,996
1929.....	31,041	1,078	1,497	10,534	3,907	6,401	1,431	3,127	3,066
1930.....	29,143	1,000	1,372	9,401	3,675	6,064	1,398	3,084	3,149
1931.....	26,383	864	1,214	8,021	3,243	5,531	1,333	2,913	3,264
1932.....	23,377	722	970	6,797	2,804	4,907	1,270	2,682	3,225
1933.....	23,466	735	809	7,258	2,659	4,999	1,225	2,614	3,167
1934.....	25,699	874	862	8,346	2,736	5,552	1,247	2,784	3,298
1935.....	26,792	888	912	8,907	2,771	5,692	1,262	2,883	3,477
1936.....	28,802	937	1,145	9,653	2,956	6,076	1,313	3,060	3,662
1937.....	30,718	1,006	1,112	10,606	3,114	6,543	1,355	3,233	3,749
1938.....	28,902	882	1,055	9,253	2,840	6,453	1,347	3,196	3,876
1939.....	30,311	845	1,150	10,078	2,912	6,612	1,399	3,321	3,995
1940.....	32,058	916	1,294	10,780	3,013	6,940	1,436	3,477	4,202
1941.....	36,220	947	1,790	12,974	3,248	7,416	1,480	3,705	4,660
1942.....	39,779	983	2,170	15,051	3,433	7,333	1,469	3,857	5,483
1943.....	42,106	917	1,567	17,381	3,619	7,189	1,435	3,919	6,080
1944.....	42,534	883	1,094	17,111	3,798	7,260	1,409	3,934	6,043
1945.....	40,037	826	1,132	15,302	3,872	7,522	1,428	4,011	5,944
1946.....	41,287	852	1,661	14,461	4,023	8,602	1,619	4,474	5,595
1947.....	43,462	943	1,982	15,290	4,122	9,196	1,672	4,783	5,474
1948.....	44,448	982	2,169	15,321	4,141	9,519	1,741	4,925	5,650
1949.....	43,315	918	2,165	14,178	3,949	9,513	1,765	4,972	5,856
1950.....	44,738	889	2,333	14,967	3,977	9,645	1,824	5,077	6,026
1951.....	47,347	916	2,603	16,104	4,166	10,012	1,892	5,264	6,389
1952.....	48,303	885	2,634	16,334	4,185	10,281	1,967	5,411	6,609
1953.....	49,681	852	2,622	17,238	4,221	10,527	2,038	5,538	6,645
1954.....	48,431	777	2,593	15,995	4,009	10,520	2,122	5,664	6,751
1955.....	50,056	777	2,759	16,563	4,062	10,846	2,219	5,916	6,914
1956.....	51,878	816	2,993	16,905	4,157	11,292	2,306	6,231	7,178
1956: July.....	51,258	765	3,256	16,301	4,161	11,164	2,349	6,296	6,966
August....	52,258	839	3,361	17,035	4,190	11,198	2,361	6,293	6,981
September..	52,663	842	3,342	17,119	4,191	11,319	2,325	6,322	7,203
October....	52,952	836	3,296	17,238	4,189	11,445	2,315	6,343	7,290
November..	53,007	837	3,174	17,180	4,184	11,657	2,314	6,327	7,334
December..	53,639	837	2,997	17,159	4,194	12,260	2,308	6,295	7,589
1957: January...	51,716	832	2,667	16,959	4,126	11,298	2,293	6,239	7,302
February..	51,704	833	2,673	16,945	4,120	11,225	2,301	6,273	7,334
March.....	* 51,919	831	2,756	16,933	4,147	11,265	2,310	6,317	* 7,360
April.....	* 52,270	833	2,906	16,822	4,153	11,428	2,320	6,432	* 7,376
May.....	* 52,482	835	3,082	16,762	4,156	11,411	2,329	6,520	* 7,387
June.....	52,881	858	3,232	16,852	4,181	11,505	2,359	6,551	7,343
July.....	52,600	856	3,280	16,698	4,202	11,510	2,392	6,524	7,138

\* Revised.

**Table A-2: All employees and production workers in nonagricultural establishments, by industry**

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	July	June	July	July	June	July
<b>TOTAL 1/</b> .....	52,600	52,881	51,258	-	-	-
<b>MINING</b> .....	856	858	765	700	704	625
<b>METAL MINING</b> .....	114.2	112.4	85.3	96.6	95.5	68.7
Iron mining.....	39.4	38.9	11.2	34.4	34.2	6.3
Copper mining.....	33.2	33.4	33.5	27.5	28.0	28.4
Lead and zinc mining.....	17.5	17.5	17.3	14.8	14.8	14.7
<b>ANTHRACITE</b> .....	31.0	30.6	29.0	28.9	28.3	26.5
<b>BITUMINOUS-COAL</b> .....	230.4	241.9	188.6	207.6	218.9	168.6
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION</b> .....	361.1	354.8	342.9	265.2	260.6	259.6
Petroleum and natural-gas production (except contract services).....	216.3	212.0	205.3	138.6	136.3	137.4
<b>NONMETALLIC MINING AND QUARRYING</b> .....	119.3	118.7	119.4	101.5	100.9	102.0
<b>CONTRACT CONSTRUCTION</b> .....	3,280	3,232	3,256	-	-	-
<b>NONBUILDING CONSTRUCTION</b> .....	730	714	705	-	-	-
Highway and street.....	332.6	321.5	323.9	-	-	-
Other nonbuilding construction.....	397.8	392.0	381.1	-	-	-
<b>BUILDING CONSTRUCTION</b> .....	2,550	2,518	2,551	-	-	-
<b>GENERAL CONTRACTORS</b> .....	1,044.7	1,005.5	1,087.8	-	-	-
<b>SPECIAL-TRADE CONTRACTORS</b> .....	1,505.7	1,512.5	1,463.2	-	-	-
Plumbing and heating.....	330.8	342.7	346.4	-	-	-
Painting and decorating.....	224.7	205.2	202.3	-	-	-
Electrical work.....	245.2	237.2	205.8	-	-	-
Other special-trade contractors.....	705.0	727.4	708.7	-	-	-
<b>MANUFACTURING</b> .....	16,698	16,852	16,301	12,783	12,955	12,536
<b>DURABLE GOODS</b> .....	9,752	9,913	9,313	7,427	7,603	7,113
<b>NONDURABLE GOODS</b> .....	6,946	6,939	6,988	5,356	5,352	5,423
<b>ORDNANCE AND ACCESSORIES</b> .....	124.8	126.7	130.9	72.8	75.8	81.7
<b>FOOD AND KINDRED PRODUCTS</b> .....	1,571.3	1,510.7	1,598.4	1,113.9	1,056.4	1,139.9
Meat products.....	328.7	325.7	336.7	260.4	257.9	267.8
Dairy products.....	111.0	109.8	118.8	77.3	76.0	80.2
Canning and preserving.....	245.3	197.1	255.7	212.1	164.3	223.7
Grain-mill products.....	115.3	113.2	122.3	79.7	77.5	86.6
Bakery products.....	292.5	289.5	291.5	173.8	171.6	173.2
Sugar.....	28.0	27.1	27.4	22.8	22.0	22.1
Confectionery and related products....	72.3	73.8	70.0	58.4	59.9	56.0
Beverages.....	234.1	229.4	232.0	130.1	127.1	131.6
Miscellaneous food products.....	144.1	145.1	144.0	99.3	100.1	98.7
<b>TOBACCO MANUFACTURES</b> .....	79.9	82.5	83.9	70.7	73.2	75.5
Cigarettes.....	34.2	34.3	34.2	29.6	29.8	30.7
Cigars.....	29.9	32.6	32.2	28.3	30.9	30.5
Tobacco and snuff.....	6.3	6.6	6.9	5.3	5.6	5.8
Tobacco stemming and redrying.....	9.5	9.0	10.6	7.5	6.9	8.5

**Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued**

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	July	June	July	July	June	July
<b>TEXTILE-MILL PRODUCTS</b> .....	986.4	1,004.2	1,019.9	895.1	912.9	928.3
Scouring and combing plants.....	6.4	6.9	6.8	5.7	6.2	6.3
Yarn and thread mills.....	115.0	117.7	119.3	105.7	108.7	110.4
Broad-woven fabric mills.....	422.8	428.4	442.2	396.3	401.4	415.2
Narrow fabrics and smallwares.....	28.4	29.0	28.4	24.7	25.4	24.9
Knitting mills.....	211.8	216.2	215.1	191.4	196.7	195.2
Dyeing and finishing textiles.....	86.2	88.1	86.4	75.1	76.7	75.0
Carpets, rugs, other floor coverings.....	49.0	49.4	50.6	40.3	40.2	41.8
Hats (except cloth and millinery.....	10.2	10.6	12.3	9.0	9.4	10.6
Miscellaneous textile goods.....	56.6	57.9	58.8	46.9	48.2	48.9
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS</b> .....	1,157.3	1,180.5	1,154.5	1,025.0	1,044.7	1,024.7
Men's and boys' suits and coats.....	117.5	122.8	118.5	105.1	110.0	106.9
Men's and boys' furnishings and work clothing.....	302.7	309.4	305.9	276.5	282.2	279.9
Women's outerwear.....	328.0	336.1	331.0	289.5	295.8	291.7
Women's, children's under garments.....	116.5	119.2	114.7	103.2	106.0	102.0
Millinery.....	16.7	14.1	16.4	14.4	11.9	14.2
Children's outerwear.....	78.8	79.6	74.7	70.0	70.6	67.0
Fur goods.....	12.0	12.5	12.6	9.1	9.4	9.5
Miscellaneous apparel and accessories.....	60.8	61.7	59.3	54.5	55.2	53.1
Other fabricated textile products.....	124.3	125.1	121.4	102.7	103.6	100.4
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)</b> .....	714.1	729.7	773.3	644.6	658.9	703.4
Logging camps and contractors.....	99.9	110.9	123.0	93.3	103.1	115.6
Sawmills and planing mills.....	374.7	377.3	400.8	343.3	345.5	370.3
Millwork, plywood, and prefabricated structural wood products.....	132.9	131.9	137.6	112.1	111.5	116.3
Wooden containers.....	50.1	52.5	54.6	45.9	48.2	50.2
Miscellaneous wood products.....	56.5	57.1	57.3	50.0	50.6	51.0
<b>FURNITURE AND FIXTURES</b> .....	369.3	371.8	367.2	308.2	311.0	305.7
Household furniture.....	258.8	261.0	257.3	222.6	225.0	221.4
Office, public-building, and professional furniture.....	46.9	47.5	47.7	37.3	37.8	38.4
Partitions, shelving, lockers, and fixtures.....	38.9	38.6	36.2	29.1	28.9	26.1
Screens, blinds, and miscellaneous furniture and fixtures.....	24.7	24.7	26.0	19.2	19.3	19.8
<b>PAPER AND ALLIED PRODUCTS</b> .....	570.0	578.7	568.9	459.2	468.9	462.2
Pulp, paper, and paperboards mills.....	275.6	281.5	279.9	226.3	232.8	230.9
Paperboard containers and boxes.....	157.1	158.8	154.6	125.8	128.0	125.4
Other paper and allied products.....	137.3	138.4	134.4	107.1	108.1	105.9
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b> .....	860.3	861.7	847.0	552.8	556.0	543.6
Newspapers.....	320.0	321.8	313.7	157.1	159.3	154.0
Periodicals.....	59.2	58.5	62.3	23.9	24.2	27.0
Books.....	53.3	53.3	53.9	34.0	34.1	32.8
Commercial printing.....	227.9	227.2	220.6	184.9	184.1	178.3
Lithographing.....	62.1	62.5	62.0	46.9	47.4	46.5
Greeting cards.....	17.3	17.6	18.6	12.3	12.6	13.6
Bookbinding and related industries.....	45.6	46.1	45.5	36.4	37.1	36.7
Miscellaneous publishing and printing services.....	74.9	74.7	70.4	57.3	57.2	54.7

**Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued**

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	July	June	July	July	June	July
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	829.2	831.8	823.7	530.8	534.7	538.9
Industrial inorganic chemicals.....	107.6	108.1	109.1	71.9	73.0	74.6
Industrial organic chemicals.....	316.0	315.8	313.4	205.1	205.8	210.5
Drugs and medicines.....	104.4	102.6	99.5	59.7	59.2	58.6
Soap, cleaning and polishing preparations.....	50.5	50.7	50.4	31.1	30.7	30.2
Paints, pigments, and fillers.....	79.0	77.9	76.8	48.6	47.7	47.6
Gum and wood chemicals.....	8.8	8.5	8.3	7.4	7.2	7.0
Fertilizers.....	30.4	33.5	30.6	21.6	24.4	22.1
Vegetable and animal oils and fats.....	35.8	36.5	36.8	24.1	24.4	24.8
Miscellaneous chemicals.....	96.7	98.2	98.8	61.3	62.3	63.5
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	260.7	259.1	253.1	176.6	175.3	170.4
Petroleum refining.....	208.4	206.3	205.5	135.2	133.3	134.2
Coke, other petroleum and coal products..	52.3	52.8	47.6	41.4	42.0	36.2
<b>RUBBER PRODUCTS.....</b>	258.5	255.7	261.6	199.9	196.8	202.8
Tires and inner tubes.....	110.1	104.5	111.3	84.4	78.2	84.7
Rubber footwear.....	21.7	21.8	23.6	16.9	17.4	19.0
Other rubber products.....	126.7	129.4	126.7	98.6	101.2	99.1
<b>LEATHER AND LEATHER PRODUCTS.....</b>	372.3	373.9	376.7	331.7	332.7	336.5
Leather: tanned, curried, and finished...	40.5	41.0	41.8	36.3	36.7	37.5
Industrial leather belting and packing...	5.1	5.0	4.9	3.8	3.9	3.7
Boot and shoe cut stock and findings....	19.9	19.9	19.6	17.8	17.8	17.5
Footwear (except rubber).....	243.0	243.6	243.4	218.7	219.0	219.1
Luggage.....	17.0	17.1	16.8	14.3	14.4	14.4
Handbags and small leather goods.....	29.6	30.2	32.7	25.5	25.8	28.8
Gloves and miscellaneous leather goods...	17.2	17.1	17.5	15.3	15.1	15.5
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	538.1	555.2	559.5	442.7	459.3	466.4
Flat glass.....	30.6	30.7	33.4	26.9	27.1	29.8
Glass and glassware, pressed or blown...	94.1	97.7	91.2	79.7	83.0	76.8
Glass products made of purchased glass...	16.3	16.5	16.1	13.7	13.8	13.4
Cement, hydraulic.....	30.3	41.5	43.9	23.7	34.6	37.0
Structural clay products.....	83.6	83.3	88.8	73.5	73.3	79.0
Pottery and related products.....	49.7	51.4	52.7	43.0	44.5	46.0
Concrete, gypsum, and plaster products...	121.5	122.2	121.7	98.9	99.1	99.9
Cut-stone and stone products.....	19.0	18.9	19.8	16.5	16.4	17.2
Miscellaneous nonmetallic mineral products.....	93.0	93.0	91.9	66.8	67.5	67.3
<b>PRIMARY METAL INDUSTRIES.....</b>	1,301.8	1,318.9	966.0	1,074.1	1,092.5	747.2
Blast furnaces, steel works, and rolling mills.....	647.5	652.1	312.1	541.2	546.6	212.7
Iron and steel foundries.....	224.6	229.0	235.5	193.2	197.9	203.9
Primary smelting and refining of nonferrous metals.....	66.7	67.9	68.7	52.2	53.5	55.1
Secondary smelting and refining of nonferrous metals.....	14.1	14.1	14.1	10.5	10.5	10.4
Rolling, drawing, and alloying of nonferrous metals.....	109.8	112.3	115.6	85.0	87.4	90.9
Nonferrous foundries.....	75.8	77.0	75.5	61.9	63.2	61.8
Miscellaneous primary metal industries...	163.3	166.5	144.5	130.1	133.4	112.4



**Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued**

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	July	June	July	July	June	July
<b>FABRICATED METAL PRODUCTS (EXCEPT ORD- NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)</b> .....	1,108.7	1,125.6	1,054.0	869.9	886.5	823.2
Tin cans and other tinware.....	59.8	58.4	61.0	52.4	51.0	53.9
Cutlery, hand tools, and hardware.....	136.4	140.9	137.4	106.8	111.4	108.8
Heating apparatus (except electric) and plumbers' supplies.....	110.0	111.4	118.1	84.1	85.2	90.9
Fabricated structural metal products.....	332.1	334.2	292.5	247.8	249.7	211.2
Metal stamping, coating, and engraving...	223.5	228.7	213.0	182.5	187.8	172.8
Lighting fixtures.....	50.8	51.1	47.6	39.9	40.2	37.5
Fabricated wire products.....	59.4	60.4	56.8	48.1	48.8	46.4
Miscellaneous fabricated metal products..	136.7	140.5	127.6	108.3	112.4	101.7
<b>MACHINERY (EXCEPT ELECTRICAL)</b> .....	1,685.7	1,714.6	1,703.1	1,206.1	1,238.6	1,247.3
Engines and turbines.....	81.9	83.9	76.6	57.1	59.2	54.6
Agricultural machinery and tractors.....	142.8	146.6	146.5	101.1	104.3	104.1
Construction and mining machinery.....	151.2	152.1	152.1	108.0	109.1	110.6
Metalworking machinery.....	283.2	289.1	279.6	214.4	220.2	213.9
Special-industry machinery (except metalworking machinery).....	179.9	183.7	189.2	124.1	127.9	133.8
General industrial machinery.....	266.9	267.3	262.4	172.2	174.1	175.1
Office and store machines and devices....	131.7	134.9	124.9	92.4	97.2	94.0
Service-industry and household machines..	174.1	179.6	202.3	127.4	133.4	153.4
Miscellaneous machinery parts.....	274.0	277.4	269.5	209.4	213.2	207.8
<b>ELECTRICAL MACHINERY</b> .....	1,220.6	1,222.0	1,187.3	850.1	854.9	849.1
Electrical generating, transmission, distribution, and industrial apparatus..	413.3	417.6	421.1	281.1	286.7	299.0
Electrical appliances.....	48.0	47.4	50.2	36.1	35.6	39.3
Insulated wire and cable.....	26.1	26.2	25.3	19.9	19.9	20.0
Electrical equipment for vehicles.....	72.6	73.6	66.4	56.5	57.6	51.6
Electric lamps.....	28.4	28.3	28.4	24.6	24.5	25.2
Communication equipment.....	581.8	578.6	548.5	395.6	394.2	379.7
Miscellaneous electrical products.....	50.4	50.3	47.4	36.3	36.4	34.3
<b>TRANSPORTATION EQUIPMENT</b> .....	1,886.0	1,925.9	1,759.1	1,369.1	1,415.2	1,279.5
Automobiles.....	759.5	793.9	741.9	597.1	632.4	581.2
Aircraft and parts.....	902.2	905.6	813.9	586.0	593.9	530.8
Aircraft.....	553.9	556.2	500.9	357.8	363.2	324.1
Aircraft engines and parts.....	176.7	178.9	164.3	109.9	112.3	101.8
Aircraft propellers and parts.....	21.0	20.6	16.8	14.4	14.2	11.1
Other aircraft parts and equipment.....	150.6	149.9	131.9	103.9	104.2	93.8
Ship and boat building and repairing.....	147.2	148.7	132.9	126.0	128.0	114.3
Shipbuilding and repairing.....	130.2	129.9	115.0	111.7	111.9	98.8
Boatbuilding and repairing.....	17.0	18.8	17.9	14.3	16.1	15.5
Railroad equipment.....	67.5	67.7	60.4	52.2	52.7	44.9
Other transportation equipment.....	9.6	10.0	10.0	7.8	8.2	8.3
<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	335.2	338.0	333.2	221.0	224.0	226.1
Laboratory, scientific, and engineering instruments.....	75.5	75.1	68.0	42.1	42.2	38.9
Mechanical measuring and controlling instruments.....	84.5	85.4	84.0	57.8	58.3	58.0
Optical instruments and lenses.....	13.8	13.8	13.7	10.2	10.2	10.4
Surgical, medical, and dental instruments.....	41.7	42.2	40.6	28.6	29.0	28.2
Ophthalmic goods.....	23.5	24.0	25.5	18.2	18.7	20.1
Photographic apparatus.....	70.0	69.4	68.8	43.5	43.5	44.2
Watches and clocks.....	26.2	28.1	32.6	20.6	22.1	26.3

**Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued**

Industry	(In thousands)					
	All employees			Production workers		
	1957	1956	1956	1957	1956	1956
	July	June	July	July	June	July
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>	467.3	485.0	479.0	368.6	386.1	383.5
Jewelry, silverware, and plated ware....	45.9	47.2	46.6	35.7	36.8	36.9
Musical instruments and parts.....	15.5	16.9	17.5	12.7	14.0	14.7
Toys and sporting goods.....	83.6	88.9	94.0	69.5	74.5	79.3
Pens, pencils, other office supplies....	31.5	31.9	31.4	23.6	24.0	23.3
Costume jewelry, buttons, notions.....	57.9	59.5	61.2	46.1	47.6	49.3
Fabricated plastics products.....	86.0	88.8	82.7	65.7	69.2	65.1
Other manufacturing industries.....	146.9	151.8	145.6	115.3	120.0	114.9
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,202	4,181	4,161	-	-	-
<b>TRANSPORTATION.....</b>	2,766	2,762	2,742	-	-	-
Interstate railroads.....	1,139.9	1,144.5	1,171.8	-	-	-
Class I railroads.....	1,007.7	1,011.9	1,031.7	-	-	-
Local railways and bus lines.....	107.7	108.0	110.4	-	-	-
Trucking and warehousing.....	833.8	829.2	798.8	-	-	-
Other transportation and services.....	684.3	679.8	661.0	-	-	-
Bus lines, except local.....	45.5	45.1	43.6	-	-	-
Air transportation (common carrier)....	147.2	146.1	133.1	-	-	-
<b>COMMUNICATION.....</b>	821	813	811	-	-	-
Telephone.....	778.8	770.0	767.2	-	-	-
Telegraph.....	41.9	41.9	42.8	-	-	-
<b>OTHER PUBLIC UTILITIES.....</b>	615	606	608	-	-	-
Gas and electric utilities.....	589.9	581.5	583.0	-	-	-
Electric light and power utilities.....	256.6	253.0	253.3	-	-	-
Gas utilities.....	147.4	146.1	147.6	-	-	-
Electric light and gas utilities combined.....	185.9	182.4	182.1	-	-	-
Local utilities, not elsewhere classified.....	24.8	24.4	25.1	-	-	-
<b>WHOLESALE AND RETAIL TRADE.....</b>	11,510	11,505	11,164	-	-	-
<b>WHOLESALE TRADE 2/.....</b>	3,166	3,140	3,033	-	-	-
Wholesalers, full-service and limited- function.....	1,824.8	1,807.9	1,766.9	-	-	-
Automotive.....	125.2	123.7	120.8	-	-	-
Groceries, food specialties, beer, wines, and liquors.....	321.3	319.3	309.9	-	-	-
Electrical goods, machinery, hardware, and plumbing equipment.....	466.6	464.4	461.8	-	-	-
Other full-service and limited-function wholesalers.....	911.7	900.5	874.4	-	-	-
Wholesale distributors, other.....	1,340.8	1,332.0	1,265.8	-	-	-
<b>RETAIL TRADE.....</b>	8,344	8,365	8,131	-	-	-
General merchandise stores.....	1,354.6	1,379.8	1,338.5	-	-	-
Department stores and general mail-order houses.....	877.3	888.4	876.9	-	-	-
Other general merchandise stores.....	477.3	491.4	461.6	-	-	-
Food and liquor stores.....	1,605.5	1,606.9	1,549.8	-	-	-
Grocery, meat, and vegetable markets....	1,126.8	1,127.6	1,076.5	-	-	-
Dairy-product stores and dealers.....	244.8	241.9	242.7	-	-	-
Other food and liquor stores.....	233.9	237.4	230.6	-	-	-
Automotive and accessories dealers.....	808.3	803.6	810.1	-	-	-
Apparel and accessories stores.....	582.8	619.8	572.0	-	-	-
Other retail trade.....	3,992.9	3,955.1	3,860.2	-	-	-
Furniture and appliance stores.....	392.3	392.8	390.2	-	-	-
Drug stores.....	376.0	372.4	344.1	-	-	-

**Table A-2: All employees and production workers in nonagricultural establishments, by industry - Continued**

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	July	June	July	July	June	July
<b>FINANCE, INSURANCE, AND REAL ESTATE.....</b>	2,392	2,359	2,349	-	-	-
Banks and trust companies.....	625.9	614.4	593.5	-	-	-
Security dealers and exchanges.....	85.2	83.8	84.1	-	-	-
Insurance carriers and agents.....	866.2	853.1	833.8	-	-	-
Other finance agencies and real estate..	814.2	807.8	837.8	-	-	-
<b>SERVICE AND MISCELLANEOUS.....</b>	6,524	6,551	6,296	-	-	-
Hotels and lodging places.....	601.4	539.7	606.4	-	-	-
Personal services:						
Laundries.....	338.0	336.5	341.9	-	-	-
Cleaning and dyeing plants.....	163.0	167.6	166.8	-	-	-
Motion pictures.....	228.6	228.9	234.5	-	-	-
<b>GOVERNMENT <sup>1/</sup>.....</b>	7,138	7,343	6,966	-	-	-
FEDERAL.....	2,219	2,211	2,208	-	-	-
STATE AND LOCAL <sup>1/</sup> .....	4,919	5,132	4,758	-	-	-

<sup>1/</sup> March, April, and May 1957 data revised as follows: Total - 51,919, 52,270, and 52,482; government - 7,360, 7,376, and 7,387; State and local - 5,157, 5,171, and 5,185, respectively.

<sup>2/</sup> Erratum: August 1957 Employment and Earnings - wholesale trade should have read 3,011 for June 1956.

**Table A-3: Indexes of production-worker employment and weekly payrolls in manufacturing**

Year	Production-worker employment		Production-worker payroll index (1947-49 = 100)	Year and month	Production-worker employment		Production-worker payroll index (1947-49 = 100)
	Number (in thousands)	Index (1947-49 = 100)			Number (in thousands)	Index (1947-49 = 100)	
1939....	8,192	66.2	29.9				
1940....	8,811	71.2	34.0	<u>1956</u>			
1941....	10,877	87.9	49.3	July...	12,536	101.4	150.5
1942....	12,854	103.9	72.2	Aug....	13,256	107.2	161.5
1943....	15,014	121.4	99.0	Sept...	13,345	107.9	166.7
1944....	14,607	118.1	102.8	Oct....	13,465	108.9	169.0
1945....	12,864	104.0	87.8	Nov....	13,392	108.3	168.2
1946....	12,105	97.9	81.2	Dec....	13,350	107.9	171.4
1947....	12,795	103.4	97.7				
1948....	12,715	102.8	105.1	<u>1957</u>			
1949....	11,597	93.8	97.2	Jan....	13,150	106.3	165.5
1950....	12,317	99.6	111.7	Feb....	13,114	106.0	165.0
1951....	13,155	106.4	129.8	Mar....	13,085	105.8	164.3
1952....	13,144	106.3	136.6	Apr....	12,960	104.8	161.5
1953....	13,833	111.8	151.4	May....	12,894	104.2	161.0
1954....	12,589	101.8	137.7	June...	12,955	104.7	163.8
1955....	13,061	105.6	152.9				
1956....	13,196	106.7	161.4	July...	12,783	103.3	160.4

**Table A-4: Employees in Government and private shipyards, by region**

(In thousands)

Region <sup>1/</sup>	1957		1956
	July	June	July
<b>ALL REGIONS</b> .....	229.1	228.3	216.2
<b>PRIVATE YARDS</b> .....	130.2	129.9	115.0
<b>NAVY YARDS</b> .....	98.9	98.4	101.2
<b>NORTH ATLANTIC</b> .....	95.3	94.7	88.3
Private yards.....	50.6	50.5	44.0
Navy yards <sup>2/</sup> .....	44.7	44.2	44.3
<b>SOUTH ATLANTIC</b> .....	36.9	37.2	36.4
Private yards.....	17.9	18.2	16.6
Navy yards.....	19.0	19.0	19.8
<b>GULF:</b>			
Private yards.....	33.8	33.0	28.4
<b>PACIFIC</b> .....	50.9	50.7	53.0
Private yards.....	15.7	15.5	15.9
Navy yards.....	35.2	35.2	37.1
<b>GREAT LAKES:</b>			
Private yards.....	5.8	6.3	4.8
<b>INLAND:</b>			
Private yards.....	6.4	6.4	5.3

<sup>1/</sup> The North Atlantic region includes all yards bordering on the Atlantic in the following States: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

The South Atlantic region includes all yards bordering on the Atlantic in the following States: Florida, Georgia, North Carolina, South Carolina, and Virginia.

The Gulf region includes all yards bordering on the Gulf of Mexico in the following States: Alabama, Florida, Louisiana, Mississippi, and Texas.

The Pacific region includes all yards in California, Oregon, and Washington.

The Great Lakes region includes all yards bordering on the Great Lakes in the following States: Illinois, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin.

The Inland region includes all other yards.

<sup>2/</sup> Data include Curtis Bay Coast Guard Yard.



**Table A-5: Government civilian employment and Federal military personnel**

(In thousands)

Unit of Government	1957		1956
	July	June	July
<b>TOTAL CIVILIAN EMPLOYMENT</b> <u>1/</u> *.....	7,138	7,343	6,966
<b>FEDERAL EMPLOYMENT</b> <u>2/</u> .....	2,219	2,211	2,208
Executive.....	2,191.9	2,184.4	2,182.0
Department of Defense.....	1,023.3	1,023.0	1,046.2
Post Office Department.....	521.4	518.7	510.1
Other agencies.....	647.2	642.7	625.6
Legislative.....	22.3	22.3	21.9
Judicial.....	4.6	4.6	4.3
<b>DISTRICT OF COLUMBIA</b> <u>3/</u> .....	237.0	236.3	233.7
Executive.....	215.9	215.2	212.8
Department of Defense.....	88.3	88.2	90.1
Post Office Department.....	8.8	8.9	8.6
Other agencies.....	118.8	118.1	114.1
Legislative.....	20.4	20.4	20.2
Judicial.....	.7	.7	.7
<b>STATE AND LOCAL EMPLOYMENT</b> *.....	4,919	5,132	4,758
State.....	1,295.9	1,340.3	1,252.6
Local*.....	3,622.6	3,791.3	3,504.9
Education.....	1,958.3	2,216.5	1,877.2
Other*.....	2,960.2	2,915.1	2,880.3
<b>TOTAL MILITARY PERSONNEL</b> <u>4/</u> .....	2,840	2,826	2,839
Army.....	1,001.3	998.0	1,027.3
Air Force.....	921.8	919.8	909.0
Navy.....	685.0	677.1	673.6
Marine Corps.....	201.4	200.9	200.5
Coast Guard.....	30.5	29.9	28.7

1/ Data refer to Continental United States only.

2/ Data are prepared by the Civil Service Commission.

3/ Includes all Federal civilian employment in Washington Standard Metropolitan Area (District of Columbia and adjacent Maryland and Virginia counties).

4/ Data refer to Continental United States and elsewhere.

\* March, April, May 1957 revised: Total civilian employment-- 7,360, 7,376, and 7,387; State and local employment-- 5,157, 5,171, and 5,185; local employment-- 3,823.8, 3,830.1, and 3,840.0; other employment-- 2,806.2, 2,820.0, and 2,842.1.

Table A-6: Employees in nonagricultural establishments,  
by industry division and State

(In thousands)

State	TOTAL			Mining			Contract construction		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
Alabama.....	735.7	739.0	698.6	15.5	15.5	12.4	42.3	43.4	40.9
Arizona.....	254.6	255.9	241.3	16.6	16.7	15.8	19.7	19.4	20.3
Arkansas.....	332.2	332.5	328.0	6.4	6.3	6.6	20.8	18.3	17.2
California.....	4,496.9	4,511.0	4,354.6	38.2	37.4	39.2	265.6	284.5	291.7
Colorado.....	478.2	468.3	460.4	16.4	16.2	15.1	33.5	31.3	35.9
Connecticut.....	918.5	929.7	904.7	(1/)	(1/)	(1/)	53.1	52.5	53.9
Delaware.....	149.2	151.9	152.5	(2/)	(2/)	(2/)	11.7	12.2	20.2
District of Columbia.....	514.3	509.9	504.2	(2/)	(2/)	(2/)	18.1	17.8	18.1
Florida.....	1,089.5	1,098.4	1,003.0	7.6	7.6	7.5	114.1	111.8	112.9
Georgia.....	969.0	970.6	963.5	4.9	4.8	5.0	58.8	58.3	57.3
Idaho.....	148.3	146.3	149.3	4.7	4.8	5.0	10.7	9.9	11.9
Illinois.....	3,487.7	3,514.5	3,464.4	29.7	30.7	30.8	218.8	213.2	205.5
Indiana.....	1,405.0	1,411.7	1,344.3	10.4	10.2	11.2	73.0	69.8	80.9
Iowa.....	655.7	660.4	656.5	3.4	3.3	3.3	42.8	41.3	44.5
Kansas.....	(3/)	560.4	555.0	(3/)	18.2	19.3	(3/)	35.8	43.8
Kentucky.....	-	-	-	(3/)	39.3	36.0	-	-	-
Louisiana.....	778.7	781.1	761.8	48.1	48.9	45.8	72.0	69.5	60.1
Maine.....	288.6	287.0	291.8	.6	.6	.7	15.0	14.7	16.1
Maryland.....	878.0	884.0	841.3	2.6	2.6	2.6	72.5	70.1	74.8
Massachusetts 4/.....	1,842.7	1,859.7	1,844.0	(2/)	(2/)	(2/)	89.9	87.7	92.5
Michigan.....	2,329.9	2,365.6	2,352.5	17.2	17.1	10.4	116.1	112.2	127.0
Minnesota 5/.....	933.9	918.3	898.1	21.9	21.8	8.3	67.1	61.3	66.7
Mississippi.....	360.9	359.6	362.6	3.9	3.9	3.7	16.5	15.9	18.4
Missouri.....	1,287.5	1,289.5	1,290.5	8.6	8.7	8.5	72.2	69.3	77.4
Montana.....	176.6	174.8	175.7	11.5	11.8	12.1	15.0	14.4	14.5
Nebraska.....	356.0	358.3	358.7	2.2	2.3	2.5	22.3	21.4	24.0
Nevada.....	92.1	90.2	90.9	4.6	4.7	5.4	8.6	8.4	8.5
New Hampshire.....	189.3	188.5	186.1	.3	.3	.3	10.7	10.0	11.2
New Jersey.....	1,926.9	1,928.6	1,929.1	4.8	4.8	4.4	112.0	108.9	114.5
New Mexico.....	205.8	205.3	195.5	17.6	17.1	16.3	16.0	15.9	16.0
New York.....	6,032.6	6,045.0	6,013.0	11.2	11.3	10.3	276.1	275.1	272.1
North Carolina.....	1,073.6	1,079.2	1,078.7	4.0	4.1	4.2	56.3	55.5	61.3
North Dakota.....	122.4	121.2	120.7	1.6	1.7	1.7	13.7	12.5	12.6
Ohio.....	3,125.2	3,153.1	3,056.7	22.8	23.0	22.6	184.9	179.9	169.4
Oklahoma.....	572.8	571.5	572.8	51.7	51.1	53.3	38.9	37.6	36.1
Oregon.....	505.9	506.2	511.8	1.2	1.2	1.3	26.7	25.4	28.4
Pennsylvania.....	3,806.8	3,832.1	3,595.5	89.4	93.0	68.9	182.3	184.5	199.5
Rhode Island.....	283.4	285.2	291.2	(2/)	(2/)	(2/)	20.0	19.2	19.1
South Carolina.....	527.8	528.0	527.2	1.3	1.3	1.3	28.9	28.6	29.5
South Dakota.....	128.5	128.0	130.7	2.7	2.7	2.7	11.7	11.5	12.8
Tennessee.....	(3/)	852.4	858.8	(3/)	8.2	9.6	(3/)	42.2	46.2
Texas.....	2,486.4	2,482.6	2,417.0	137.6	137.5	137.5	174.7	169.3	169.4
Utah.....	245.1	240.6	234.7	15.7	15.7	14.7	19.2	18.1	17.9
Vermont.....	108.2	105.0	108.9	1.4	1.4	1.4	5.6	5.5	5.6
Virginia.....	1,009.5	1,012.6	972.2	19.0	19.0	18.2	84.2	82.2	74.6
Washington.....	822.0	817.0	782.6	2.0	2.2	2.3	46.8	45.2	48.7
West Virginia.....	492.3	495.4	479.9	80.1	80.7	77.0	27.7	26.8	24.5
Wisconsin.....	(3/)	1,144.4	1,149.5	(3/)	4.2	3.5	(3/)	58.7	66.0
Wyoming.....	95.3	93.9	94.2	9.2	9.2	9.1	7.7	7.7	8.4

See footnotes at end of table.

**Table A-6: Employees in nonagricultural establishments,  
by industry division and State - Continued**

(In thousands)

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
Alabama.....	244.2	245.7	225.2	50.8	50.8	48.9	152.8	153.1	149.9
Arizona.....	40.0	40.2	36.4	21.9	21.8	21.4	62.8	62.6	59.1
Arkansas.....	87.7	88.5	91.1	28.7	28.4	28.7	79.4	79.6	79.6
California.....	1,259.4	1,246.8	1,203.4	370.6	365.9	360.8	1,013.0	1,010.0	982.0
Colorado.....	75.8	72.3	65.6	46.0	45.6	45.7	128.4	127.2	125.6
Connecticut.....	419.5	430.6	429.4	46.0	46.2	44.8	162.2	164.2	153.1
Delaware.....	60.6	61.2	57.9	11.0	11.0	10.2	29.8	30.0	28.9
District of Columbia.....	16.6	16.5	16.2	29.4	29.2	29.2	90.1	89.9	90.5
Florida.....	154.8	159.7	140.9	93.0	92.6	87.7	320.5	327.8	292.1
Georgia.....	325.6	326.4	330.1	72.9	72.8	73.5	216.4	216.1	215.3
Idaho.....	29.0	27.8	29.9	15.8	15.7	15.8	36.8	36.6	36.8
Illinois.....	1,245.5	1,259.6	1,251.3	307.7	305.0	309.5	731.1	735.4	729.8
Indiana.....	598.8	601.5	547.0	101.7	101.9	99.9	302.7	303.4	297.0
Iowa.....	165.7	166.0	167.8	54.2	53.9	57.0	177.9	178.7	177.5
Kansas.....	(3/)	130.0	123.9	(3/)	62.2	64.2	(3/)	134.9	133.6
Kentucky.....	(3/)	166.5	163.4	(3/)	55.9	57.0	(3/)	137.4	134.7
Louisiana.....	147.8	149.7	150.7	84.4	85.0	88.0	183.6	183.8	184.0
Maine.....	109.8	110.6	112.8	21.8	21.4	22.0	57.8	56.8	57.9
Maryland.....	272.4	275.3	249.7	78.3	77.1	75.3	186.6	188.2	180.9
Massachusetts.....	676.1	694.4	687.8	121.1	121.5	120.5	386.3	392.0	386.2
Michigan.....	982.1	1,007.4	1,007.0	152.0	152.2	153.8	472.2	475.9	475.5
Minnesota 2/.....	232.4	222.7	221.1	91.8	89.2	88.3	230.3	229.2	230.3
Mississippi.....	107.5	106.9	107.0	25.6	25.7	26.2	88.6	87.9	89.1
Missouri.....	394.3	394.5	386.0	125.0	124.4	128.4	307.6	308.8	317.9
Montana.....	22.1	21.7	22.3	22.3	22.0	22.9	43.8	43.4	43.4
Nebraska.....	57.1	57.0	58.1	40.1	39.9	41.0	97.8	98.1	98.8
Nevada.....	5.8	5.8	6.0	9.4	9.2	9.6	20.1	19.4	19.7
New Hampshire.....	82.1	83.7	81.2	10.7	10.6	10.9	35.3	34.8	33.7
New Jersey.....	795.8	803.2	808.7	152.7	152.1	155.2	354.6	354.5	354.6
New Mexico.....	20.4	20.9	20.0	20.3	20.0	20.3	45.7	45.4	43.4
New York.....	1,847.8	1,862.8	1,847.7	504.4	503.0	502.3	1,306.7	1,320.1	1,331.3
North Carolina.....	457.6	460.6	463.6	62.3	62.6	62.6	224.8	224.3	224.1
North Dakota.....	6.7	6.5	6.9	13.8	13.7	13.9	39.1	39.0	38.5
Ohio.....	1,306.9	1,323.9	1,257.5	223.8	223.6	220.3	628.2	626.8	627.2
Oklahoma.....	86.9	86.9	90.0	48.7	48.5	50.2	138.2	137.7	140.7
Oregon.....	149.9	150.3	161.6	49.1	48.3	49.9	117.9	116.7	115.8
Pennsylvania.....	1,503.6	1,516.0	1,350.6	312.3	312.9	303.3	730.0	732.9	717.8
Rhode Island.....	115.9	118.6	123.0	15.4	15.4	16.0	52.2	53.1	53.9
South Carolina.....	224.4	224.9	226.5	25.2	25.5	26.2	107.3	106.8	105.9
South Dakota.....	11.9	11.7	12.1	10.1	10.0	10.4	38.3	38.1	40.0
Tennessee.....	(3/)	291.9	298.6	(3/)	58.6	59.7	(3/)	197.3	196.0
Texas.....	488.2	487.8	467.6	229.6	228.8	230.8	679.1	676.3	654.6
Utah.....	38.3	34.8	33.7	22.8	22.6	23.2	57.2	57.1	55.9
Vermont.....	36.3	36.6	37.6	8.4	8.3	8.2	20.5	20.3	20.3
Virginia.....	256.5	258.5	255.0	92.1	91.8	90.5	232.1	232.1	219.4
Washington.....	240.0	237.1	211.8	68.7	67.6	67.2	184.6	182.5	182.2
West Virginia.....	126.7	129.9	121.9	52.6	52.7	51.1	90.0	90.0	87.9
Wisconsin.....	(3/)	452.0	466.1	(3/)	77.3	78.8	(3/)	249.0	244.2
Wyoming.....	6.7	6.2	6.8	13.6	13.5	13.6	21.8	21.5	21.5

See footnotes at end of table.

**Table A-6: Employees in nonagricultural establishments,  
by industry division and State - Continued**

(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
Alabama.....	28.8	28.7	27.5	67.6	67.4	65.5	133.7	134.4	128.3
Arizona.....	10.2	10.1	9.6	31.0	31.4	29.7	52.4	53.7	49.0
Arkansas.....	10.5	10.4	10.1	38.5	38.6	37.2	60.2	62.4	57.5
California.....	222.2	218.4	219.8	601.2	603.7	570.0	726.7	744.3	687.7
Colorado.....	21.6	21.5	21.3	65.4	63.4	64.7	91.1	90.8	86.5
Connecticut.....	51.7	50.8	48.1	102.3	101.4	94.6	83.8	83.9	80.9
Delaware.....	5.5	5.4	5.2	15.0	16.3	15.1	15.6	15.8	15.0
District of Columbia 6/.....	25.2	25.1	25.0	71.7	72.4	69.9	263.2	259.0	255.3
Florida.....	58.1	57.0	55.0	164.7	165.0	147.5	176.7	176.9	159.4
Georgia.....	40.5	40.4	39.1	96.6	96.4	95.6	153.3	155.4	147.6
Idaho.....	4.9	4.8	4.7	18.8	18.6	18.7	27.6	28.1	26.5
Illinois.....	182.4	179.7	178.4	420.2	423.0	409.3	352.4	368.0	350.0
Indiana.....	53.0	52.5	51.2	109.8	111.7	107.5	155.6	160.8	149.5
Iowa.....	31.8	31.5	30.2	75.6	77.7	74.0	104.4	108.2	102.4
Kansas.....	(3/)	20.6	20.2	(3/)	60.8	58.2	(3/)	97.9	96.8
Kentucky.....	(3/)	20.6	20.5	(3/)	71.6	69.3	(3/)	102.7	97.2
Louisiana.....	28.3	28.4	27.8	90.0	90.2	86.5	124.5	125.6	118.9
Maine.....	8.9	8.8	8.7	30.3	29.3	30.2	44.4	44.8	43.4
Maryland 6/.....	40.5	40.4	39.7	103.2	104.3	100.2	121.9	126.0	118.1
Massachusetts 4/.....	97.6	96.2	93.5	241.9	239.2	238.0	229.8	228.7	225.5
Michigan.....	77.1	76.2	75.6	248.8	250.4	246.3	264.2	274.3	256.9
Minnesota 5/.....	45.7	45.1	44.3	114.3	116.3	112.3	130.4	132.8	126.8
Mississippi.....	11.3	11.2	11.1	39.4	39.4	39.0	68.1	68.7	68.1
Missouri.....	64.7	64.4	64.6	157.9	157.5	154.2	157.2	161.9	153.5
Montana.....	5.9	5.9	5.7	23.6	23.2	23.2	32.4	32.4	31.6
Nebraska.....	21.1	21.1	20.8	46.4	47.0	45.7	69.0	71.6	67.7
Nevada.....	2.5	2.5	2.5	25.4	24.4	24.1	15.7	15.8	15.1
New Hampshire.....	6.3	6.3	5.9	23.4	22.1	23.0	20.5	20.8	19.9
New Jersey.....	84.5	83.2	82.8	220.8	217.7	209.9	201.7	204.2	199.0
New Mexico.....	7.3	7.1	6.7	26.1	25.9	23.4	52.4	53.0	49.4
New York.....	460.0	454.6	450.0	868.5	854.8	863.4	757.9	763.3	735.8
North Carolina.....	37.0	36.6	35.0	97.6	97.6	97.3	134.0	137.9	130.6
North Dakota.....	5.1	5.1	5.0	16.3	16.3	15.8	26.2	26.4	26.2
Ohio.....	107.9	106.2	105.6	305.9	306.8	314.4	344.7	363.0	339.7
Oklahoma.....	23.6	23.6	22.8	65.3	65.2	64.4	119.5	120.9	115.3
Oregon.....	18.7	18.7	19.0	62.8	62.3	60.0	79.6	83.3	75.8
Pennsylvania.....	144.5	142.7	142.1	439.7	438.0	419.4	405.0	412.1	393.9
Rhode Island.....	13.0	12.9	12.5	30.7	30.0	30.6	36.2	36.0	36.1
South Carolina.....	15.7	15.8	15.5	43.2	42.9	42.9	81.8	82.2	79.4
South Dakota.....	5.4	5.3	5.4	17.7	17.6	17.6	30.8	31.2	30.0
Tennessee.....	(3/)	31.7	31.2	(3/)	93.9	93.9	(3/)	128.6	123.6
Texas.....	115.4	115.4	111.1	302.9	299.8	294.8	358.9	367.7	351.2
Utah.....	9.6	9.6	9.6	28.3	28.2	27.1	54.0	54.5	52.6
Vermont.....	3.5	3.5	3.5	17.4	13.7	17.0	15.5	15.9	15.4
Virginia 6/.....	44.1	43.6	42.9	112.3	112.5	106.1	169.2	172.9	165.5
Washington.....	34.7	34.3	34.6	96.0	94.9	90.6	149.2	153.2	145.2
West Virginia.....	12.5	12.5	12.6	45.1	44.8	45.5	57.6	58.0	59.4
Wisconsin.....	(3/)	42.3	41.0	(3/)	122.1	119.6	(3/)	138.7	130.4
Wyoming.....	2.5	2.4	2.3	15.0	14.0	14.0	18.8	19.4	18.5

1/ Mining combined with construction. 2/ Mining combined with service. 3/ Not available. 4/ Service and miscellaneous and total revised; not strictly comparable with previously published data. 5/ Revised series; not strictly comparable with previously published data. 6/ Federal employment in Maryland and Virginia portions of Washington, D. C., Metropolitan area included in data for District of Columbia.

**Table A-7: Employees in nonagricultural establishments  
for selected areas, by industry division**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>ALABAMA</b>				<b>Los Angeles-Long Beach</b>			
<u>Birmingham</u>				Total.....	2,166.6	2,190.6	2,103.3
Total.....	212.3	212.6	185.8	Mining.....	15.7	15.7	15.8
Mining.....	10.7	10.7	7.6	Contract construction...	107.9	126.7	135.8
Contract construction...	15.1	14.9	13.2	Manufacturing.....	763.8	766.2	733.3
Manufacturing.....	71.0	71.3	51.8	Trans. and pub. util....	144.2	141.6	136.2
Trans. and pub. util....	16.7	16.7	16.3	Trade.....	478.1	477.0	461.6
Trade.....	46.8	46.8	46.5	Finance.....	113.6	112.1	108.8
Finance.....	12.3	12.1	12.0	Service.....	310.9	310.9	293.4
Service.....	22.3	22.3	21.8	Government.....	232.4	240.4	218.4
Government.....	17.6	17.8	16.7				
<b>Mobile</b>				<b>Sacramento</b>			
Total.....	(2/)	90.7	87.6	Total.....	136.9	137.7	130.7
Contract construction...	(2/)	5.0	5.1	Mining.....	.6	.6	.5
Manufacturing.....	(2/)	20.7	19.9	Contract construction...	10.0	9.7	10.0
Trans. and pub. util....	(2/)	11.2	9.6	Manufacturing.....	16.7	17.7	14.4
Trade.....	(2/)	18.2	18.4	Trans. and pub. util....	12.6	12.2	12.9
Finance.....	(2/)	3.9	3.7	Trade.....	27.5	27.5	26.7
Service 1/.....	(2/)	9.7	9.3	Finance.....	5.5	5.4	5.6
Government.....	(2/)	22.0	21.8	Service.....	12.3	12.3	11.5
				Government.....	51.7	52.3	49.1
<b>ARIZONA</b>				<b>San Bernardino-</b>			
<u>Phoenix</u>				<u>Riverside-Ontario</u> 3/			
Total.....	125.9	126.2	117.2	Manufacturing.....	32.1	30.8	29.7
Mining.....	.2	.2	.2				
Contract construction...	9.9	9.5	10.3	<b>San Diego</b>			
Manufacturing.....	23.5	23.5	20.5	Total.....	226.0	226.5	209.9
Trans. and pub. util....	10.1	10.0	9.9	Mining.....	.2	.2	.2
Trade.....	35.8	35.7	33.4	Contract construction...	12.9	13.8	14.3
Finance.....	7.0	6.9	6.6	Manufacturing.....	72.6	72.2	59.2
Service.....	15.7	16.0	14.4	Trans. and pub. util....	12.4	12.1	11.7
Government.....	23.7	24.4	21.9	Trade.....	46.7	46.5	44.8
				Finance.....	10.0	10.0	9.9
<b>Tucson</b>				Service.....	26.8	26.3	26.6
Total.....	54.4	54.9	52.3	Government.....	44.4	45.4	43.2
Mining.....	2.3	2.4	2.2				
Contract construction...	4.1	4.0	5.1	<b>San Francisco-Oakland</b>			
Manufacturing.....	9.8	9.7	9.2	Total.....	950.7	949.0	928.6
Trans. and pub. util....	5.2	5.3	5.2	Mining.....	2.0	2.0	1.9
Trade.....	12.4	12.6	12.0	Contract construction...	58.1	57.7	60.3
Finance.....	1.8	1.8	1.7	Manufacturing.....	197.4	196.7	191.9
Service.....	8.6	8.5	7.5	Trans. and pub. util....	112.3	111.0	107.9
Government.....	10.2	10.6	9.4	Trade.....	215.1	214.2	210.9
				Finance.....	67.0	66.2	65.2
<b>ARKANSAS</b>				Service.....	121.9	121.4	117.9
<u>Little Rock-</u>				Government.....	176.9	179.8	172.6
<u>N. Little Rock</u>							
Total.....	71.4	70.3	72.2	<b>San Jose</b>			
Contract construction...	5.7	4.6	5.7	Total.....	141.9	131.9	127.4
Manufacturing.....	12.1	12.0	12.5	Mining.....	.1	.1	.1
Trans. and pub. util....	7.7	7.7	8.0	Contract construction...	10.5	10.2	11.2
Trade.....	17.7	17.9	18.5	Manufacturing.....	51.2	40.5	43.4
Finance.....	4.9	4.9	4.8	Trans. and pub. util....	9.1	8.8	8.5
Service 1/.....	10.3	10.3	10.2	Trade.....	28.1	28.5	24.7
Government.....	13.1	13.1	12.7	Finance.....	5.9	5.9	5.7
				Service.....	18.0	18.5	16.2
<b>CALIFORNIA</b>				Government.....	19.0	19.4	17.6
<u>Fresno</u>							
Manufacturing.....	13.9	13.7	16.0				

See footnotes at end of table.

# Area Employment

**Table A-7: Employees in nonagricultural establishments  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>CALIFORNIA-Continued</b>				<b>Stamford</b>			
<u>Stockton</u>				Total.....	56.2	55.8	53.2
Manufacturing.....	12.6	11.7	12.6	Contract construction 1/	5.1	5.0	4.6
				Manufacturing.....	21.5	21.6	20.9
				Trans. and pub. util....	3.2	3.1	3.1
				Trade.....	11.5	11.5	10.6
				Finance.....	1.9	1.9	1.7
				Service.....	9.1	8.9	8.5
				Government.....	3.8	3.8	3.7
<b>COLORADO</b>				<b>Waterbury</b>			
<u>Denver</u>				Total.....	65.5	66.7	68.2
Total.....	281.5	277.1	275.2	Contract construction 1/	2.6	2.2	2.3
Mining.....	2.8	2.8	3.0	Manufacturing.....	38.7	40.2	42.9
Contract construction....	21.2	20.4	23.2	Trans. and pub. util....	2.7	2.8	2.6
Manufacturing.....	51.3	49.7	48.6	Trade.....	10.4	10.5	9.8
Trans. and pub. util....	30.2	29.8	29.4	Finance.....	1.5	1.5	1.5
Trade.....	79.2	78.8	76.5	Service.....	4.7	4.6	4.3
Finance.....	16.2	16.1	15.7	Government.....	5.0	4.9	4.9
Service.....	37.6	36.5	36.7				
Government.....	43.0	43.0	42.1				
				<b>DELAWARE</b>			
				<u>Wilmington</u>			
				Total.....	128.9	131.8	132.2
				Contract construction...	10.1	10.5	18.1
				Manufacturing.....	58.6	59.2	55.1
				Trans. and pub. util....	9.7	9.6	9.0
				Trade.....	23.0	23.6	22.7
				Finance.....	5.0	4.9	4.7
				Service 1/.....	11.8	13.2	12.5
				Government.....	10.7	10.8	10.1
<b>CONNECTICUT</b>				<b>DISTRICT OF COLUMBIA</b>			
<u>Bridgeport</u>				<u>Washington</u>			
Total.....	126.6	127.4	124.8	Total.....	666.4	661.5	651.7
Contract construction 1/.	7.2	6.7	6.7	Contract construction...	42.2	40.8	44.2
Manufacturing.....	71.5	72.8	71.9	Manufacturing.....	28.1	28.1	27.5
Trans. and pub. util....	5.9	6.0	5.9	Trans. and pub. util....	44.0	43.8	43.5
Trade.....	20.6	20.7	20.0	Trade.....	135.2	134.7	133.0
Finance.....	3.1	3.0	2.8	Finance.....	36.1	35.9	35.7
Service.....	10.2	10.3	9.7	Service 1/.....	99.5	100.3	95.6
Government.....	8.0	8.0	7.8	Government.....	281.3	277.9	272.2
<u>Hartford</u>							
Total.....	217.0	218.5	204.8				
Contract construction 1/.	11.7	11.7	11.4				
Manufacturing.....	83.4	83.8	76.1				
Trans. and pub. util....	8.6	8.9	8.3				
Trade.....	43.0	44.0	41.0				
Finance.....	29.4	29.2	28.4				
Service.....	22.3	22.3	21.1				
Government.....	18.6	18.7	18.5				
<u>New Britain</u>							
Total.....	43.0	43.5	43.5				
Contract construction 1/.	1.6	1.5	1.6				
Manufacturing.....	27.4	27.8	28.2				
Trans. and pub. util....	2.1	2.2	2.2				
Trade.....	5.8	6.0	5.8				
Finance.....	.8	.8	.8				
Service.....	2.8	2.9	2.7				
Government.....	2.4	2.4	2.3				
<u>New Haven</u>				<b>FLORIDA</b>			
Total.....	128.7	129.1	125.5	<u>Jacksonville</u>			
Contract construction 1/.	9.2	8.7	8.1	Total.....	131.9	130.6	128.0
Manufacturing.....	46.8	47.9	46.1	Contract construction...	9.4	9.1	9.7
Trans. and pub. util....	12.8	12.9	13.0	Manufacturing.....	20.2	20.2	20.2
Trade.....	24.4	24.4	23.9	Trans. and pub. util....	14.7	14.7	14.5
Finance.....	7.3	7.2	6.8	Trade.....	40.2	39.9	38.3
Service.....	18.8	18.8	18.3	Finance.....	11.2	10.8	10.5
Government.....	9.4	9.4	9.2	Service 1/.....	16.8	16.8	16.4
				Government.....	19.6	19.2	18.6
				<u>Miami</u>			
				Total.....	272.5	275.2	251.8
				Contract construction...	24.8	24.8	25.9
				Manufacturing.....	33.2	35.0	30.9
				Trans. and pub. util....	35.6	35.6	32.8

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>FLORIDA-Continued</b>				<b>Peoria</b>			
<u>Miami-Continued</u>				Total..... (2) 102.2 100.6			
Trade.....	80.4	80.0	74.2	Contract construction...	(2)	4.9	5.4
Finance.....	16.0	15.8	14.7	Manufacturing.....	(2)	46.6	46.0
Service 1/.....	55.6	55.5	48.8	Trans. and pub. util....	(2)	6.8	6.8
Government.....	27.0	28.6	24.7	Trade.....	(2)	22.0	21.7
<u>Tampa-St. Petersburg</u>				Finance.....	(2)	3.6	3.7
Total.....	156.2	157.5	146.3	Service 1/.....	(2)	9.9	9.7
Contract construction...	17.8	17.7	16.7	Government.....	(2)	8.3	7.4
Manufacturing.....	27.5	27.8	24.8	<u>Rockford</u>			
Trans. and pub. util....	12.4	12.1	12.1	Total.....	(2)	76.7	75.9
Trade.....	50.5	51.1	46.8	Contract construction 1/	(2)	4.4	4.7
Finance.....	8.2	8.1	7.8	Manufacturing.....	(2)	43.0	42.8
Service 1/.....	21.4	21.4	20.4	Trans. and pub. util....	(2)	2.7	2.8
Government.....	18.5	19.5	17.8	Trade.....	(2)	12.9	12.5
<b>GEORGIA</b>				Finance.....	(2)	2.6	2.6
<u>Atlanta</u>				Service.....	(2)	7.1	7.0
Total.....	343.2	342.6	337.9	Government.....	(2)	4.1	3.6
Contract construction...	21.2	21.0	20.5	<b>INDIANA</b>			
Manufacturing.....	86.9	86.8	86.2	<u>Evansville</u>			
Trans. and pub. util....	34.3	34.3	34.1	Total.....	70.8	71.6	70.2
Trade.....	89.8	89.9	90.1	Mining.....	1.7	1.7	1.7
Finance.....	24.9	24.8	24.1	Contract construction...	4.2	4.4	4.4
Service 1/.....	43.9	43.6	42.5	Manufacturing.....	31.0	31.5	30.0
Government.....	42.2	42.2	40.4	Trans. and pub. util....	4.8	4.8	4.9
<u>Savannah</u>				Trade.....	14.6	14.7	14.7
Total.....	55.2	55.6	54.6	Finance.....	2.2	2.2	2.2
Contract construction...	4.2	4.1	4.0	Service 4/.....	12.3	12.3	12.3
Manufacturing.....	15.3	15.8	14.7	<u>Fort Wayne</u>			
Trans. and pub. util....	6.2	6.2	6.6	Total.....	79.5	79.9	82.5
Trade.....	13.0	12.9	13.1	Contract construction...	3.4	3.3	4.0
Finance.....	2.1	2.0	2.1	Manufacturing.....	34.8	35.3	37.3
Service 1/.....	7.6	7.6	7.4	Trans. and pub. util....	7.6	7.5	7.4
Government.....	6.8	7.0	6.7	Trade.....	17.6	17.6	18.3
<b>IDAHO</b>				Finance.....	3.9	3.9	3.7
<u>Boise</u>				Service 5/.....	12.2	12.3	11.8
Total.....	22.6	22.5	22.6	<u>Indianapolis</u>			
Contract construction...	1.9	1.8	2.2	Total.....	292.4	292.5	288.3
Manufacturing.....	2.0	2.1	2.0	Contract construction...	14.4	13.4	14.5
Trans. and pub. util....	2.6	2.6	2.6	Manufacturing.....	107.6	106.9	109.0
Trade.....	6.8	6.8	6.8	Trans. and pub. util....	22.9	23.2	21.9
Finance.....	1.4	1.4	1.4	Trade.....	65.9	66.1	64.0
Service.....	3.3	3.3	3.3	Finance.....	18.3	18.1	17.4
Government.....	4.6	4.5	4.3	Service 4/.....	63.3	64.8	61.5
<b>ILLINOIS</b>				<u>South Bend</u>			
<u>Chicago</u>				Total.....	80.7	83.4	79.7
Total.....	2,617.2	2,628.8	2,546.5	Contract construction...	3.3	3.3	3.7
Mining.....	3.7	3.7	3.7	Manufacturing.....	39.7	42.3	39.1
Contract construction...	141.4	138.2	141.2	Trans. and pub. util....	4.7	4.8	4.7
Manufacturing.....	1,007.3	1,016.2	947.4	Trade.....	15.5	15.4	15.3
Trans. and pub. util....	223.4	221.4	225.5	Finance.....	3.6	3.6	3.5
Trade.....	540.0	543.6	540.0	Service 5/.....	13.9	14.0	13.4
Finance.....	148.8	146.6	147.1				
Service.....	327.5	328.9	318.2				
Government.....	225.1	230.3	223.4				

See footnotes at end of table.

# Area Employment

**Table A-7: Employees in nonagricultural establishments  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>IOWA</b>				<b>New Orleans</b>			
<u>Des Moines</u>				<u>Total</u> .....			
Total.....	102.2	102.8	100.3	Total.....	283.3	283.8	281.4
Contract construction...	6.0	5.8	5.9	Mining.....	7.3	7.4	7.0
Manufacturing.....	24.5	24.8	23.9	Contract construction...	20.1	20.0	18.4
Trans. and pub. util....	7.8	7.8	7.9	Manufacturing.....	51.0	50.8	50.7
Trade.....	27.1	27.0	26.6	Trans. and pub. util....	45.6	45.8	46.8
Finance.....	10.9	10.8	10.6	Trade.....	72.2	72.5	71.8
Service 1/.....	13.2	13.5	13.0	Finance.....	14.1	14.2	14.2
Government.....	13.0	13.4	12.5	Service.....	40.3	40.2	39.3
				Government.....	32.9	33.1	33.3
<b>KANSAS</b>				<b>MAINE</b>			
<u>Topeka</u>				<u>Lewiston</u>			
Total.....	49.6	49.1	49.1	Total.....	28.5	28.5	29.1
Mining.....	.2	.2	.2	Contract construction...	1.1	1.1	1.3
Contract construction...	5.3	4.7	4.4	Manufacturing.....	14.9	14.9	15.4
Manufacturing.....	6.0	6.1	6.4	Trans. and pub. util....	1.0	1.0	1.0
Trans. and pub. util....	7.2	7.3	7.6	Trade.....	5.6	5.6	5.6
Trade.....	10.0	9.9	9.8	Finance.....	.8	.8	.8
Finance.....	2.6	2.6	2.4	Service 1/.....	3.8	3.8	3.7
Service.....	5.9	6.0	6.0	Government.....	1.3	1.3	1.3
Government.....	12.5	12.6	12.5				
				<u>Portland</u>			
<u>Wichita</u>				<u>Total</u> .....			
Total.....	135.2	132.9	124.6	Total.....	54.5	54.3	55.6
Mining.....	1.9	1.9	1.9	Contract construction...	3.8	3.8	4.6
Contract construction...	8.1	7.9	9.1	Manufacturing.....	13.4	13.7	13.9
Manufacturing.....	62.7	60.4	52.0	Trans. and pub. util....	6.6	6.5	6.7
Trans. and pub. util....	7.3	7.3	7.5	Trade.....	15.0	14.8	14.9
Trade.....	26.3	26.3	25.9	Finance.....	3.6	3.6	3.5
Finance.....	5.0	4.9	4.9	Service 1/.....	8.3	8.1	8.3
Service.....	12.8	12.8	12.4	Government.....	3.8	3.8	3.7
Government.....	11.3	11.5	11.2				
				<b>MARYLAND</b>			
<b>KENTUCKY</b>				<u>Baltimore</u>			
<u>Louisville</u>				<u>Total</u> .....			
Total.....	(2/)	252.5	255.6	Total.....	605.9	609.2	568.1
Contract construction...	(2/)	16.0	16.9	Mining.....	.9	.9	.9
Manufacturing.....	(2/)	97.8	99.8	Contract construction...	44.3	42.8	45.5
Trans. and pub. util....	(2/)	23.4	23.0	Manufacturing.....	207.7	209.6	183.4
Trade.....	(2/)	55.5	56.4	Trans. and pub. util....	59.0	57.8	56.4
Finance.....	(2/)	10.3	10.3	Trade.....	120.4	122.4	116.6
Service 1/.....	(2/)	25.9	25.7	Finance.....	31.0	30.9	30.2
Government.....	(2/)	23.6	23.4	Service.....	69.3	69.8	66.5
				Government.....	73.3	75.0	68.6
<b>LOUISIANA</b>				<b>MASSACHUSETTS</b>			
<u>Baton Rouge</u>				<u>Boston</u>			
Total.....	69.4	68.3	64.9	Total.....	1,017.0	1,031.1	1,008.5
Mining.....	.5	.5	.5	Contract construction...	52.8	51.2	52.1
Contract construction...	8.9	8.0	7.0	Manufacturing.....	286.1	295.3	289.7
Manufacturing.....	20.4	20.3	19.6	Trans. and pub. util....	74.9	74.6	76.6
Trans. and pub. util....	4.1	4.1	4.1	Trade.....	244.4	249.2	238.1
Trade.....	15.1	15.0	14.5	Finance.....	72.4	72.0	69.1
Finance.....	2.6	2.6	2.5	Service 1/.....	155.8	158.0	151.1
Service.....	6.5	6.4	6.4	Government.....	130.6	130.8	131.8
Government.....	11.5	11.6	10.4				

See footnotes at end of table.



**Table A-7: Employees in nonagricultural establishments,  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>MASSACHUSETTS-Continued</b>				<b>Grand Rapids</b>			
<u>Fall River</u>				<u>Manufacturing</u> .....			
Total.....	43.2	44.8	43.9	48.0	51.4	50.9	
Manufacturing.....	22.9	23.9	22.9	<u>Lansing</u>			
Trans. and pub. util....	2.6	2.7	2.8	<u>Manufacturing</u> .....			
Trade.....	7.8	8.2	8.1	24.4	25.7	25.3	
Government.....	3.1	3.1	3.1	<u>Muskegon</u>			
Other nonmanufacturing..	6.8	6.9	7.0	<u>Manufacturing</u> .....			
				24.4	25.2	26.0	
<u>New Bedford</u>				<u>Saginaw</u>			
Total.....	49.4	50.0	47.5	<u>Manufacturing</u> .....			
Contract construction...	1.5	1.4	1.6	24.4	24.6	23.6	
Manufacturing.....	27.2	28.0	25.3	<b>MINNESOTA</b>			
Trans. and pub. util....	2.4	2.5	2.3	<u>Duluth 3/</u>			
Trade.....	8.2	8.2	8.3	<u>Total</u> .....			
Government.....	3.6	3.6	3.6	45.4	45.1	39.6	
Other nonmanufacturing..	6.5	6.3	6.4	<u>Contract construction</u> ...			
				3.7	3.6	3.2	
<u>Springfield-Holyoke</u>				<u>Manufacturing</u> .....			
Total.....	163.0	165.7	165.5	9.9	9.9	7.3	
Contract construction...	7.9	7.6	8.8	<u>Trans. and pub. util.</u> ...			
Manufacturing.....	70.1	72.5	73.4	7.5	7.6	5.0	
Trans. and pub. util....	8.6	8.6	8.8	<u>Trade</u> .....			
Trade.....	33.7	34.3	32.7	11.4	11.1	11.4	
Finance.....	7.4	7.2	7.2	<u>Finance</u> .....			
Service 1/.....	17.9	18.1	17.7	1.9	1.9	1.9	
Government.....	17.4	17.4	16.9	<u>Service 1/</u> .....			
				6.7	6.7	6.7	
<u>Worcester</u>				<u>Government</u> .....			
Total.....	104.9	109.7	106.7	4.3	4.3	4.2	
Contract construction...	4.5	4.5	4.8	<u>Minneapolis-St. Paul 3/</u>			
Manufacturing.....	46.4	50.5	48.1	<u>Total</u> .....			
Trans. and pub. util....	5.9	5.9	5.5	509.3	509.6	500.8	
Trade.....	19.9	20.3	20.5	<u>Contract construction</u> ...			
Finance.....	5.2	5.0	4.9	29.9	29.0	30.4	
Service 1/.....	11.6	11.7	11.7	<u>Manufacturing</u> .....			
Government.....	11.4	11.8	11.2	148.9	148.2	145.0	
				<u>Trans. and pub. util.</u> ...			
<b>MICHIGAN</b>				<u>Trade</u> .....			
<u>Detroit</u>				51.4			
Total.....	1,260.4	1,270.7	1,264.1	51.1			
Mining.....	.8	.8	.8	11.4			
Contract construction...	66.1	64.6	69.5	1.9			
Manufacturing.....	549.3	560.2	548.5	1.9			
Trans. and pub. util....	79.6	80.2	80.0	6.7			
Trade.....	255.1	255.4	258.3	4.3			
Finance.....	48.6	48.1	48.5	4.3			
Service.....	140.3	142.4	147.1	4.3			
Government.....	120.6	118.9	111.4	4.3			
				4.3			
<u>Flint</u>				<b>MISSISSIPPI</b>			
Manufacturing.....	59.9	72.6	73.5	<u>Jackson</u>			
				<u>Total</u> .....			
				56.6	56.5	55.7	
				<u>Mining</u> .....			
				.8	.8	.8	
				<u>Contract construction</u> ...			
				4.3	4.1	4.5	
				<u>Manufacturing</u> .....			
				10.4	10.6	10.2	
				<u>Trans. and pub. util.</u> ...			
				4.6	4.6	4.6	
				<u>Trade</u> .....			
				15.3	15.3	15.3	
				<u>Finance</u> .....			
				3.6	3.6	3.6	
				<u>Service</u> .....			
				7.5	7.5	7.3	
				<u>Government</u> .....			
				10.3	10.3	9.7	
				<b>MISSOURI</b>			
				<u>Kansas City</u>			
				<u>Total</u> .....			
				(2)	344.2	347.4	
				(2)	.8	.8	
				(2)	15.8	20.5	
				(2)	94.9	95.0	
				(2)	43.7	44.2	
				(2)	94.2	93.4	
				(2)	21.0	21.1	
				(2)	40.6	40.7	
				(2)	33.2	31.7	

See footnotes at end of table.

# Area Employment

**Table A-7: Employees in nonagricultural establishments  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>MISSOURI-Continued</b>				<b>NEW JERSEY</b>			
<u>St. Louis</u>				<u>Newark-Jersey City 7/ 3/</u>			
Total.....	722.2	724.4	721.8	Total.....	837.8	845.6	841.3
Mining.....	2.2	2.5	2.6	Mining.....	.2	.2	.2
Contract construction...	42.4	43.0	44.6	Contract construction...	34.6	34.6	40.6
Manufacturing.....	275.5	276.7	271.3	Manufacturing.....	352.9	357.7	357.8
Trans. and pub. util.....	67.0	66.8	69.1	Trans. and pub. util....	84.9	84.4	85.8
Trade.....	150.8	151.5	155.0	Trade.....	150.7	153.4	150.6
Finance.....	36.5	36.3	36.6	Finance.....	49.3	48.7	48.5
Service.....	83.3	82.7	82.3	Service.....	92.6	92.4	88.1
Government.....	64.5	64.9	60.3	Government.....	72.6	74.2	69.7
<b>MONTANA</b>				<u>Paterson 7/ 3/</u>			
<u>Great Falls</u>				Total.....			
Total.....	20.9	20.8	20.4	Total.....	411.0	412.9	409.4
Contract construction...	2.4	2.4	2.2	Mining.....	1.8	1.8	1.8
Manufacturing.....	3.1	3.1	3.0	Contract construction...	28.2	27.8	27.9
Trans. and pub. util.....	2.5	2.5	2.5	Manufacturing.....	188.9	190.5	189.9
Trade.....	6.4	6.4	6.2	Trans. and pub. util....	23.8	23.7	23.6
Service 6/.....	4.1	4.0	4.0	Trade.....	71.8	72.3	72.2
Government.....	2.4	2.4	2.5	Finance.....	12.5	12.4	12.8
<b>NEBRASKA</b>				<u>Perth Amboy 7/ 3/</u>			
<u>Omaha</u>				Total.....			
Total.....	151.3	152.1	152.8	Total.....	160.7	162.4	164.9
Contract construction...	9.0	8.6	9.7	Mining.....	.8	.8	.8
Manufacturing.....	32.6	32.3	32.8	Contract construction...	8.5	8.4	10.2
Trans. and pub. util.....	23.0	22.9	23.6	Manufacturing.....	82.6	83.9	85.4
Trade.....	38.1	38.2	38.6	Trans. and pub. util....	9.1	9.1	9.3
Finance.....	13.0	13.0	12.6	Trade.....	24.0	24.3	23.5
Service 1/.....	20.5	21.2	20.5	Finance.....	2.6	2.6	2.6
Government.....	15.4	16.0	15.1	Service.....	11.7	11.7	10.9
<b>NEVADA</b>				<u>Trenton</u>			
<u>Reno</u>				Total.....			
Total.....	28.4	27.4	28.2	Total.....	102.4	103.1	99.9
Contract construction...	2.4	2.3	2.3	Mining.....	.1	.1	.1
Manufacturing 1/.....	1.8	1.8	2.0	Contract construction...	4.1	4.1	4.3
Trans. and pub. util.....	3.4	3.4	3.7	Manufacturing.....	40.0	40.5	38.1
Trade.....	7.1	7.1	7.0	Trans. and pub. util....	6.6	6.6	6.9
Finance.....	1.1	1.1	1.1	Trade.....	17.2	17.5	17.8
Service.....	8.5	7.7	8.3	Finance.....	3.5	3.4	3.4
Government.....	4.1	4.0	3.8	Service.....	13.4	13.5	12.4
<b>NEW HAMPSHIRE</b>				<u>NEW MEXICO</u>			
<u>Manchester</u>				<u>Albuquerque</u>			
Total.....	41.2	41.9	41.4	Total.....	65.8	66.8	61.4
Contract construction...	2.4	2.2	2.3	Contract construction...	5.3	5.2	5.0
Manufacturing.....	18.1	18.6	18.8	Manufacturing.....	10.5	11.3	10.3
Trans. and pub. util....	2.8	2.8	2.8	Trans. and pub. util....	5.8	5.8	5.6
Trade.....	8.2	8.4	8.1	Trade.....	17.7	17.6	15.8
Finance.....	2.1	2.1	2.0	Finance.....	3.3	3.3	3.4
Service.....	4.6	4.7	4.5	Service 1/.....	8.7	8.7	7.9
Government.....	3.1	3.1	2.9	Government.....	14.5	14.9	13.4

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>NEW YORK</b>				<b>New York-Northeastern</b>			
<u>Albany-Schenectady-Troy</u>				<u>New Jersey-Continued</u>			
Total.....	208.0	209.5	209.2	Trade.....	1,180.7	1,195.5	1,188.9
Contract construction...	8.6	8.7	8.0	Finance.....	457.2	452.2	448.9
Manufacturing.....	73.5	74.4	75.2	Service.....	811.6	814.0	794.2
Trans. and pub. util....	16.7	16.8	16.8	Government.....	626.3	630.3	605.7
Trade.....	39.9	40.4	40.1	<b>New York City 7/</b>			
Finance.....	7.2	7.2	7.2	Total.....	3,489.2	3,524.3	3,501.7
Service 1/.....	22.4	22.3	22.5	Mining.....	1.8	1.8	1.9
Government.....	39.7	39.7	39.5	Contract construction..	116.4	121.4	114.6
<b>Binghamton</b>				Manufacturing.....	884.4	898.3	910.6
Total.....	78.9	78.8	79.2	Trans. and pub. util....	328.7	328.7	327.8
Contract construction...	3.3	3.3	3.4	Trade.....	806.1	817.6	819.2
Manufacturing.....	41.8	41.6	41.5	Finance.....	370.1	365.7	362.2
Trans. and pub. util....	4.0	4.0	4.0	Service.....	579.2	586.1	575.7
Trade.....	13.9	14.1	14.3	Government.....	402.5	404.6	389.8
Finance.....	2.1	2.0	2.1	<b>Rochester</b>			
Service 1/.....	6.1	6.1	6.3	Total.....	224.3	224.0	223.0
Government.....	7.7	7.8	7.7	Contract construction..	11.4	11.0	11.1
<b>Buffalo</b>				Manufacturing.....	112.0	111.8	112.6
Total.....	449.8	451.9	429.2	Trans. and pub. util....	10.3	10.2	10.0
Contract construction...	25.3	23.8	23.4	Trade.....	39.5	40.1	39.4
Manufacturing.....	199.7	202.6	182.3	Finance.....	7.7	7.5	7.3
Trans. and pub. util....	37.1	37.1	36.7	Service 1/.....	23.6	24.0	23.2
Trade.....	86.9	87.1	87.8	Government.....	19.8	19.5	19.3
Finance.....	14.7	14.5	14.3	<b>Syracuse</b>			
Service 1/.....	46.0	46.7	46.8	Total.....	147.8	148.7	144.8
Government.....	40.1	40.3	37.9	Contract construction..	7.2	7.0	7.6
<b>Elmira</b>				Manufacturing.....	59.5	60.3	57.0
Total.....	35.1	35.2	34.6	Trans. and pub. util....	11.3	11.2	11.2
Manufacturing.....	18.4	18.3	17.3	Trade.....	31.7	32.0	31.1
Trade.....	6.4	6.5	6.6	Finance.....	7.1	7.0	6.6
Other nonmanufacturing..	10.3	10.4	10.7	Service 1/.....	16.4	16.5	16.8
<b>Nassau and Suffolk</b>				Government.....	14.6	14.7	14.6
<u>Counties 7/</u>				<b>Utica-Rome</b>			
Total.....	347.2	345.6	338.7	Total.....	106.4	105.7	102.1
Contract construction...	27.4	29.4	34.2	Contract construction..	5.0	4.2	3.8
Manufacturing.....	104.1	104.4	100.8	Manufacturing.....	45.2	46.2	43.5
Trans. and pub. util....	21.8	21.8	21.9	Trans. and pub. util....	5.5	5.6	5.5
Trade.....	77.8	76.8	74.8	Trade.....	16.9	16.7	16.5
Finance.....	11.5	11.5	11.5	Finance.....	3.6	3.4	3.4
Service 1/.....	46.5	44.3	42.1	Service 1/.....	9.3	9.1	9.1
Government.....	58.1	57.4	53.3	Government.....	21.0	20.4	20.2
<b>New York-Northeastern</b>				<b>Westchester County 7/</b>			
<u>New Jersey 3/</u>				Total.....	203.8	203.0	197.8
Total.....	5,479.7	5,523.6	5,483.9	Contract construction..	18.1	18.8	20.3
Mining.....	6.3	6.3	6.3	Manufacturing.....	53.4	52.0	50.0
Contract construction...	235.2	242.6	250.2	Trans. and pub. util....	15.1	15.3	14.1
Manufacturing.....	1,677.0	1,697.7	1,705.4	Trade.....	46.0	46.9	44.7
Trans. and pub. util....	485.4	485.0	484.3	Finance.....	10.3	10.4	10.4
				Service 1/.....	35.9	34.1	34.3
				Government.....	25.0	25.5	24.1

See footnotes at end of table.

**Area Employment**

**Table A-7: Employees in nonagricultural establishments for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>NORTH CAROLINA</b>				<b>OKLAHOMA</b>			
<u>Charlotte</u>				<u>Oklahoma City</u>			
Total.....	96.8	96.7	95.2	Total.....	145.0	144.5	145.3
Contract construction...	9.3	9.0	9.1	Mining.....	8.1	8.0	8.1
Manufacturing.....	23.2	23.1	23.0	Contract construction...	10.3	10.0	10.8
Trans. and pub. util....	10.3	10.4	10.0	Manufacturing.....	16.0	16.1	16.6
Trade.....	29.2	29.1	29.1	Trans. and pub. util....	11.0	10.9	11.0
Finance.....	6.9	6.9	6.4	Trade.....	37.9	37.9	38.2
Service 1/.....	10.9	10.9	11.1	Finance.....	8.2	8.2	8.2
Government.....	7.0	7.3	6.5	Service.....	17.9	18.0	17.8
				Government.....	35.8	35.5	34.8
<u>Greensboro-High Point</u>				<u>Tulsa</u>			
Manufacturing.....	43.4	43.1	43.7	Total.....	129.1	128.1	131.7
				Mining.....	13.4	13.3	13.3
<u>Winston-Salem</u>				Contract construction...	8.7	8.4	10.0
Manufacturing.....	33.8	34.5	33.7	Manufacturing.....	31.3	30.8	33.5
				Trans. and pub. util....	14.3	14.2	13.8
<b>NORTH DAKOTA</b>				Trade.....	30.4	30.3	30.9
<u>Fargo</u>				Finance.....	6.5	6.4	6.4
Total.....	23.3	22.8	22.5	Service.....	16.6	16.6	16.1
Contract construction...	3.1	2.7	2.5	Government.....	8.1	8.1	7.8
Manufacturing.....	2.2	2.2	2.3				
Trans. and pub. util....	2.4	2.3	2.3	<b>OREGON</b>			
Trade.....	7.9	7.9	7.9	<u>Portland</u>			
Finance.....	1.6	1.5	1.5	Total.....	(2/)	259.6	259.4
Service 1/.....	3.1	3.2	3.0	Contract construction...	(2/)	14.8	15.7
Government.....	3.0	3.0	3.0	Manufacturing.....	(2/)	63.7	65.7
				Trans. and pub. util....	(2/)	30.2	30.8
<b>OHIO</b>				Trade.....	(2/)	67.1	67.2
<u>Akron</u>				Finance.....	(2/)	13.5	13.2
Manufacturing.....	91.3	91.6	91.8	Service 1/.....	(2/)	35.3	34.5
				Government.....	(2/)	35.0	32.3
<u>Canton</u>				<b>PENNSYLVANIA</b>			
Manufacturing.....	59.4	60.1	50.1	<u>Allentown-Bethlehem-</u>			
				<u>Easton</u>			
<u>Cincinnati</u>				Manufacturing.....	94.0	97.9	82.8
Manufacturing.....	162.3	163.1	163.8				
				<u>Erie</u>			
<u>Cleveland</u>				Manufacturing.....	40.8	43.5	44.5
Manufacturing.....	303.4	309.9	294.8				
				<u>Harrisburg 3/</u>			
<u>Columbus</u>				Total.....	142.5	142.3	135.3
Manufacturing.....	73.2	73.6	76.4	Mining.....	.4	.4	.3
				Contract construction...	8.1	7.7	8.4
<u>Dayton</u>				Manufacturing.....	35.5	35.5	30.0
Manufacturing.....	92.7	93.8	98.8	Trans. and pub. util....	15.0	14.9	14.3
				Trade.....	25.1	25.1	24.5
<u>Toledo</u>				Finance.....	5.7	5.7	5.6
Manufacturing.....	60.4	61.0	59.7	Service.....	14.3	14.4	13.6
				Government.....	38.4	38.6	38.6
<u>Youngstown</u>				<u>Lancaster</u>			
Manufacturing.....	111.7	112.7	72.3	Manufacturing.....	44.8	45.3	45.7

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>PENNSYLVANIA-Continued</b>				<b>SOUTH DAKOTA</b>			
<u>Philadelphia</u>				<u>Sioux Falls</u>			
Manufacturing.....	551.3	552.1	526.5	Total.....	24.4	24.1	24.9
<u>Pittsburgh</u>				Contract construction...	1.8	1.7	2.0
Total.....	837.4	845.8	700.1	Manufacturing.....	5.3	5.2	5.4
Mining.....	18.1	18.1	5.8	Trans. and pub. util....	2.2	2.2	2.2
Contract construction...	53.6	56.0	46.4	Trade.....	8.0	8.0	8.3
Manufacturing.....	336.9	338.4	233.1	Finance.....	1.6	1.6	1.5
Trans. and pub. util....	70.5	70.4	68.1	Service 1/.....	3.5	3.6	3.4
Trade.....	158.4	160.9	156.5	Government.....	2.0	2.0	2.0
Finance.....	28.7	28.3	28.5	<b>TENNESSEE</b>			
Service.....	97.9	99.1	91.6	<u>Chattanooga</u>			
Government.....	73.3	74.6	70.1	Total.....	91.8	92.4	93.4
<u>Reading</u>				Mining.....	.1	.1	.1
Manufacturing.....	49.4	49.6	49.2	Contract construction...	3.7	3.6	3.8
<u>Scranton</u>				Manufacturing.....	42.6	43.1	44.0
Manufacturing.....	31.5	31.9	32.3	Trans. and pub. util....	5.6	5.6	5.5
<u>Wilkes-Barre--Hazleton</u>				Trade.....	17.6	17.7	18.3
Manufacturing.....	38.0	38.9	37.8	Finance.....	4.5	4.4	4.3
<u>York 3/</u>				Service.....	9.5	9.4	9.4
Manufacturing.....	42.0	42.8	44.7	Government.....	8.4	8.7	8.1
<b>RHODE ISLAND</b>				<u>Knoxville</u>			
<u>Providence</u>				Total.....	113.7	114.7	117.6
Total.....	277.2	279.0	285.4	Mining.....	2.1	2.1	2.2
Contract construction...	17.7	17.0	16.9	Contract construction...	6.4	6.7	7.2
Manufacturing.....	124.3	126.8	131.8	Manufacturing.....	41.9	42.3	44.8
Trans. and pub. util....	13.7	13.7	14.3	Trans. and pub. util....	7.6	7.7	7.6
Trade.....	49.6	50.5	51.2	Trade.....	25.4	25.6	25.8
Finance.....	12.7	12.6	12.3	Finance.....	2.7	2.7	2.7
Service 1/.....	28.4	27.8	28.2	Service.....	11.6	11.6	11.5
Government.....	30.8	30.6	30.7	Government.....	16.2	16.2	15.8
<b>SOUTH CAROLINA</b>				<u>Memphis</u>			
<u>Charleston</u>				Total.....	188.3	186.9	189.0
Total.....	54.2	54.8	52.9	Mining.....	.3	.3	.4
Contract construction...	3.4	3.8	3.3	Contract construction...	9.5	8.8	9.7
Manufacturing.....	9.3	9.6	9.9	Manufacturing.....	45.9	45.4	46.3
Trans. and pub. util....	4.8	4.9	4.3	Trans. and pub. util....	16.6	16.5	16.7
Trade.....	13.5	13.6	12.9	Trade.....	55.2	55.3	55.7
Finance.....	2.2	2.2	2.1	Finance.....	8.3	8.3	8.3
Service 1/.....	5.2	5.0	5.0	Service.....	24.6	24.5	24.9
Government.....	15.9	15.9	15.6	Government.....	28.0	27.9	27.2
<u>Greenville</u>				<u>Nashville</u>			
Manufacturing.....	30.2	30.3	30.7	Total.....	136.8	136.5	132.5
				Mining.....	.3	.3	.3
				Contract construction...	6.8	6.6	6.1
				Manufacturing.....	38.6	38.2	36.7
				Trans. and pub. util....	12.5	12.5	12.5
				Trade.....	31.2	31.0	30.4
				Finance.....	9.2	9.2	8.9
				Service.....	20.6	20.7	20.3
				Government.....	17.8	18.1	17.5

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>TEXAS</b>				<b>Richmond</b>			
<u>Dallas</u>				Total.....	166.7	167.2	159.8
Manufacturing.....	89.6	88.5	82.8	Mining.....	.3	.3	.3
<u>Fort Worth</u>				Contract construction...	13.4	13.1	12.2
Manufacturing.....	58.3	59.0	57.1	Manufacturing.....	39.7	40.0	38.7
<u>Houston</u>				Trans. and pub. util....	16.1	16.0	16.1
Manufacturing.....	93.2	92.5	86.4	Trade.....	42.6	42.7	40.3
<u>San Antonio</u>				Finance.....	13.7	13.6	13.1
Manufacturing.....	21.3	21.1	21.0	Service.....	19.6	19.3	18.6
				Government.....	21.3	22.2	20.5
<b>UTAH</b>				<b>WASHINGTON</b>			
<u>Salt Lake City</u>				<u>Seattle</u>			
Total.....	123.9	123.3	121.0	Total.....	338.1	331.4	308.7
Mining.....	7.6	7.6	7.7	Contract construction...	17.8	17.0	16.6
Contract construction...	9.3	9.1	9.9	Manufacturing.....	113.4	108.7	87.1
Manufacturing.....	19.0	18.5	18.6	Trans. and pub. util....	29.3	28.7	28.5
Trans. and pub. util....	13.4	13.3	13.1	Trade.....	76.2	75.5	75.5
Trade.....	35.5	35.6	34.4	Finance.....	18.8	18.6	18.6
Finance.....	7.6	7.5	7.4	Service <u>1</u> /.....	39.0	38.7	39.1
Service.....	16.8	16.5	15.6	Government.....	43.6	44.2	43.3
Government.....	14.7	15.2	14.3	<u>Spokane</u>			
				Total.....	76.7	76.4	78.0
<b>VERMONT</b>				Contract construction...	4.9	4.5	5.6
<u>Burlington</u>				Manufacturing.....	15.0	14.8	15.0
Total.....	17.6	17.5	17.3	Trans. and pub. util....	9.2	8.9	9.1
Manufacturing.....	4.5	4.5	4.0	Trade.....	21.4	21.5	21.4
Trans. and pub. util....	1.4	1.4	1.5	Finance.....	4.0	3.9	4.1
Trade.....	4.7	4.6	4.6	Service <u>1</u> /.....	11.5	11.7	12.2
Service.....	3.5	3.4	3.4	Government.....	10.7	11.1	10.6
Other nonmanufacturing..	3.7	3.7	3.9	<u>Tacoma</u>			
				Total.....	77.5	77.2	76.9
<u>Springfield</u>				Contract construction...	4.8	4.6	4.0
Total.....	12.4	12.4	13.5	Manufacturing.....	17.1	16.9	17.7
Manufacturing.....	7.4	7.5	8.6	Trans. and pub. util....	7.3	7.2	7.5
Trans. and pub. util....	.6	.6	.6	Trade.....	17.3	17.1	17.1
Trade.....	1.6	1.6	1.6	Finance.....	3.1	3.1	3.0
Service.....	1.2	1.2	1.2	Service <u>1</u> /.....	9.1	9.1	8.9
Other nonmanufacturing..	1.6	1.7	1.7	Government.....	18.8	19.2	18.7
				<b>WEST VIRGINIA</b>			
<b>VIRGINIA</b>				<u>Charleston</u>			
<u>Norfolk-Portsmouth</u>				Total.....	93.1	93.7	92.1
Total.....	161.5	162.0	156.3	Mining.....	9.5	9.8	10.5
Mining.....	.2	.2	.2	Contract construction...	5.3	5.4	4.6
Contract construction...	15.2	14.7	12.7	Manufacturing.....	26.3	26.4	25.4
Manufacturing.....	15.3	15.6	15.6	Trans. and pub. util....	10.3	10.3	10.2
Trans. and pub. util....	17.6	17.7	17.3	Trade.....	19.5	19.7	19.1
Trade.....	43.3	43.4	41.3	Finance.....	3.2	3.3	3.3
Finance.....	6.2	6.0	5.8	Service.....	9.4	9.4	9.6
Service.....	18.8	18.9	18.1	Government.....	9.7	9.6	9.6
Government.....	44.9	45.5	45.3				

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,  
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	July	June	July		July	June	July
<b>WEST VIRGINIA-Continued</b>				<b>Racine</b>			
<u>Wheeling-Steubenville</u> 3/				Total.....	(2/)	41.7	41.6
Total.....	113.2	115.2	101.7	Contract construction..	(2/)	2.4	2.3
Mining.....	5.6	5.6	5.6	Manufacturing.....	(2/)	20.8	21.5
Contract construction...	6.9	6.5	5.2	Trans. and pub. util...	(2/)	1.7	1.8
Manufacturing.....	49.8	51.9	39.5	Trade.....	(2/)	7.6	7.4
Trans. and pub. util....	9.0	8.9	8.9	Finance.....	(2/)	.9	.8
Trade.....	20.7	21.1	21.5	Service 1/.....	(2/)	4.5	4.2
Finance.....	3.1	3.0	3.0	Government.....	(2/)	3.7	3.6
Service.....	11.0	11.0	10.9				
Government.....	7.3	7.3	7.2				
<b>WISCONSIN</b>				<b>WYOMING</b>			
<u>Milwaukee</u>				<u>Casper</u>			
Total.....	(2/)	435.9	429.7	Mining.....	3.5	3.5	3.8
Contract construction...	(2/)	22.6	23.6	Contract construction..	1.6	1.6	1.8
Manufacturing.....	(2/)	191.3	190.8	Manufacturing.....	1.8	1.8	1.9
Trans. and pub. util....	(2/)	29.4	29.6	Trans. and pub. util...	2.0	1.9	1.8
Trade.....	(2/)	87.9	86.2	Trade.....	4.4	4.1	4.3
Finance.....	(2/)	20.7	20.4	Finance.....	.5	.5	.6
Service 1/.....	(2/)	49.1	46.0	Service.....	2.3	2.4	2.0
Government.....	(2/)	34.9	33.0				

- 1/ Includes mining.
- 2/ Not available.
- 3/ Revised series; not strictly comparable with previously published data.
- 4/ Includes government.
- 5/ Includes mining and government.
- 6/ Includes mining and finance.
- 7/ Subarea of New York-Northeastern New Jersey.

Table B-1: Monthly labor turnover rates in manufacturing

(Per 100 employees)														
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average	Year
<b>Total accession</b>														
1950.....	3.6	3.2	3.6	3.5	4.4	4.8	4.7	6.6	5.7	5.2	4.0	3.0	4.4	1950
1951.....	5.2	4.5	4.6	4.5	4.5	4.9	4.2	4.5	4.3	4.4	3.9	3.0	4.4	1951
1952.....	4.4	3.9	3.9	3.7	3.9	4.9	4.4	5.9	5.6	5.2	4.0	3.3	4.4	1952
1953.....	4.4	4.2	4.4	4.3	4.1	5.1	4.1	4.3	4.0	3.3	2.7	2.1	3.9	1953
1954.....	2.8	2.5	2.8	2.4	2.7	3.5	2.9	3.3	3.4	3.6	3.3	2.5	3.0	1954
1955.....	3.3	3.2	3.6	3.5	3.8	4.3	3.4	4.5	4.4	4.1	3.3	2.5	3.7	1955
1956.....	3.3	3.1	3.1	3.3	3.4	4.2	3.3	3.8	4.1	4.2	3.0	2.2	3.4	1956
1957.....	3.2	2.8	2.8	2.8	3.0	3.9	3.2							1957
<b>Total separation</b>														
1950.....	3.1	3.0	2.9	2.8	3.1	3.0	2.9	4.2	4.9	4.3	3.8	3.6	3.5	1950
1951.....	4.1	3.8	4.1	4.6	4.8	4.3	4.4	5.3	5.1	4.7	4.3	3.5	4.4	1951
1952.....	4.0	3.9	3.7	4.1	3.9	3.9	5.0	4.6	4.9	4.2	3.5	3.4	4.1	1952
1953.....	3.8	3.6	4.1	4.3	4.4	4.2	4.3	4.8	5.2	4.5	4.2	4.0	4.3	1953
1954.....	4.3	3.5	3.7	3.8	3.3	3.1	3.1	3.5	3.9	3.3	3.0	3.0	3.5	1954
1955.....	2.9	2.5	3.0	3.1	3.2	3.2	3.4	4.0	4.4	3.5	3.1	3.0	3.3	1955
1956.....	3.6	3.6	3.5	3.4	3.7	3.4	3.2	3.9	4.4	3.5	3.3	2.8	3.5	1956
1957.....	3.3	3.0	3.3	3.3	3.4	3.0	3.2							1957
<b>Quit</b>														
1950.....	1.1	1.0	1.2	1.3	1.6	1.7	1.8	2.9	3.4	2.7	2.1	1.7	1.9	1950
1951.....	2.1	2.1	2.5	2.7	2.8	2.5	2.4	3.1	3.1	2.5	1.9	1.4	2.4	1951
1952.....	1.9	1.9	2.0	2.2	2.2	2.2	2.2	3.0	3.5	2.8	2.1	1.7	2.3	1952
1953.....	2.1	2.2	2.5	2.7	2.7	2.6	2.5	2.9	3.1	2.1	1.5	1.1	2.3	1953
1954.....	1.1	1.0	1.0	1.1	1.0	1.1	1.1	1.4	1.8	1.2	1.0	.9	1.1	1954
1955.....	1.0	1.0	1.3	1.5	1.5	1.5	1.6	2.2	2.8	1.8	1.4	1.1	1.6	1955
1956.....	1.4	1.3	1.4	1.5	1.6	1.6	1.5	2.2	2.6	1.7	1.3	1.0	1.6	1956
1957.....	1.3	1.2	1.3	1.3	1.4	1.3	1.4							1957
<b>Discharge</b>														
1950.....	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	1950
1951.....	.3	.3	.3	.4	.4	.4	.3	.4	.3	.4	.3	.3	.3	1951
1952.....	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.3	.2	.3	1952
1953.....	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.2	.4	1953
1954.....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1954
1955.....	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.3	.2	.3	1955
1956.....	.3	.3	.3	.3	.3	.3	.2	.3	.3	.3	.3	.2	.3	1956
1957.....	.2	.2	.2	.2	.3	.2	.2							1957
<b>Layoff</b>														
1950.....	1.7	1.7	1.4	1.2	1.1	0.9	0.6	0.6	0.7	0.8	1.1	1.3	1.1	1950
1951.....	1.0	.8	.8	1.0	1.2	1.0	1.3	1.4	1.3	1.4	1.7	1.5	1.2	1951
1952.....	1.4	1.3	1.1	1.3	1.1	1.1	2.2	1.0	.7	.7	.7	1.0	1.1	1952
1953.....	.9	.8	.8	.9	1.0	.9	1.1	1.3	1.5	1.8	2.3	2.5	1.3	1953
1954.....	2.8	2.2	2.3	2.4	1.9	1.7	1.6	1.7	1.7	1.6	1.6	1.7	1.9	1954
1955.....	1.5	1.1	1.3	1.2	1.1	1.2	1.3	1.3	1.1	1.2	1.2	1.4	1.2	1955
1956.....	1.7	1.8	1.6	1.4	1.6	1.3	1.2	1.2	1.4	1.3	1.5	1.4	1.5	1956
1957.....	1.5	1.4	1.4	1.5	1.5	1.1	1.4							1957
<b>Miscellaneous, including military</b>														
1950.....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.2	1950
1951.....	.7	.6	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.5	1951
1952.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	1952
1953.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.3	1953
1954.....	.3	.2	.2	.2	.2	.2	.2	.3	.3	.2	.1	.2	.2	1954
1955.....	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1955
1956.....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1956
1957.....	.3	.2	.2	.2	.3	.2	.2							1957



Table B-2: Monthly labor turnover rates in selected industries

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957
<b>MANUFACTURING.....</b>	3.2	3.9	3.2	3.0	1.4	1.3	0.2	0.2	1.4	1.1	0.2	0.2
<b>DURABLE GOODS.....</b>	3.2	3.9	3.4	3.1	1.3	1.3	.3	.3	1.6	1.3	.2	.3
<b>NONDURABLE GOODS.....</b>	3.3	3.9	2.9	2.7	1.5	1.4	.2	.2	.9	.9	.2	.2
<b>ORDNANCE AND ACCESSORIES.....</b>	2.9	3.4	2.1	3.4	.8	1.0	.1	.1	.9	2.1	.2	.2
<b>FOOD AND KINDRED PRODUCTS.....</b>	4.0	5.6	3.3	3.5	1.3	1.3	.3	.3	1.6	1.7	.2	.2
Meat products.....	3.3	4.0	3.2	2.6	.8	.8	.2	.2	1.9	1.3	.2	.2
Grain-mill products.....	3.1	4.5	2.7	2.6	1.2	.9	.1	.2	1.3	1.3	.1	.2
Bakery products.....	4.1	4.9	3.1	3.3	2.0	2.1	.4	.4	.6	.6	.2	.2
Beverages:												
Malt liquors.....	(1/)	8.3	(1/)	4.2	(1/)	.7	(1/)	.2	(1/)	3.1	(1/)	.1
<b>TOBACCO MANUFACTURES.....</b>	4.2	2.1	2.7	1.7	1.5	1.2	.2	.2	.8	.2	.2	.1
Cigarettes.....	4.8	2.3	1.8	1.1	1.1	.7	.2	.2	.1	.1	.3	.1
Cigars.....	4.4	1.8	4.2	2.2	2.2	1.7	.3	.2	1.7	.3	.1	(2/)
Tobacco and snuff.....	.6	2.5	1.3	1.8	.7	1.1	.1	.1	(2/)	.2	.5	.4
<b>TEXTILE-MILL PRODUCTS.....</b>	3.1	3.1	3.3	3.2	1.8	1.6	.2	.2	1.2	1.3	.2	.2
Yarn and thread mills.....	4.0	2.8	3.3	3.5	1.9	1.6	.2	.3	1.0	1.5	.2	.2
Broad-woven fabric mills.....	3.0	3.1	3.2	3.2	1.8	1.6	.3	.2	.9	1.2	.2	.2
Cotton, silk, synthetic fiber.....	2.8	2.9	3.1	3.2	1.9	1.6	.2	.2	.8	1.1	.2	.2
Woolen and worsted.....	4.1	4.6	4.2	3.6	1.6	1.4	.3	.3	2.1	1.8	.2	.2
Knitting mills.....	3.6	3.7	3.9	3.0	2.0	1.9	.2	.3	1.6	.7	.1	.1
Full-fashioned hosiery.....	1.7	1.2	5.1	2.8	1.9	1.6	.3	.2	2.7	.9	.1	.1
Seamless hosiery.....	4.1	3.9	2.9	2.7	1.7	2.0	.2	.2	1.0	.4	.1	.1
Knit underwear.....	3.4	3.0	2.4	1.6	1.6	1.2	.2	.2	.6	.3	(2/)	(2/)
Dyeing and finishing textiles.....	2.0	2.6	2.7	3.5	1.1	1.1	.2	.2	1.2	2.1	.2	.2
Carpets, rugs, other floor coverings... (1/)	1.5	(1/)	3.8	(1/)	.9	(1/)	.2	(1/)	2.5	(1/)	.2	.2
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	3.8	3.5	3.4	3.1	2.5	2.0	.2	.2	.6	.9	.2	.1
Men's and boys' suits and coats.....	2.4	3.8	2.2	1.8	1.7	1.2	(2/)	.1	.2	.3	.2	.1
Men's and boys' furnishings and work clothing.....	4.0	3.6	3.6	3.5	2.7	2.3	.3	.2	.5	.9	.1	.1
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	4.2	6.6	5.3	4.2	2.8	2.4	.4	.4	1.9	1.1	.2	.2
Logging camps and contractors.....	7.7	11.0	11.4	4.5	5.1	3.4	.5	.3	5.7	.6	.1	.2
Sawmills and planing mills.....	3.9	6.0	4.3	4.5	2.5	2.4	.5	.5	1.1	1.4	.2	.2
Millwork, plywood, and prefabricated structural wood products.....	3.2	5.4	2.8	2.6	2.0	1.7	.3	.3	.5	.5	.1	.1
<b>FURNITURE AND FIXTURES.....</b>	3.9	3.5	3.0	3.8	1.7	1.5	.3	.3	.8	1.9	.2	.2
Household furniture.....	3.8	3.5	2.9	4.4	1.8	1.6	.3	.3	.6	2.2	.2	.2
Other furniture and fixtures.....	4.1	3.4	3.3	2.6	1.4	1.3	.3	.2	1.3	1.0	.2	.2
<b>PAPER AND ALLIED PRODUCTS.....</b>	3.2	3.8	2.4	2.4	1.3	1.3	.3	.2	.7	.7	.2	.2
Pulp, paper, and paperboard mills.....	2.0	3.3	1.6	1.8	.8	.8	.1	.1	.6	.7	.2	.2
Paperboard containers and boxes.....	3.7	4.5	3.0	2.4	1.9	1.7	.4	.3	.5	.2	.2	.2
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	2.0	3.1	1.9	1.4	.8	.8	.1	.1	.8	.3	.1	.1
Industrial inorganic chemicals.....	1.7	3.1	2.8	1.3	.9	.8	.2	.2	1.6	.2	.2	.2
Industrial organic chemicals.....	1.4	2.5	1.6	1.2	.4	.5	.1	.1	.9	.5	.1	.2
Synthetic fibers.....	1.5	1.7	1.3	1.2	.3	.4	(2/)	.1	.8	.6	.1	.2
Drugs and medicines.....	3.1	4.0	1.4	1.3	1.0	1.1	.1	.1	.1	(2/)	.1	.1
Paints, pigments, and fillers.....	1.5	2.9	1.8	1.4	.9	.8	.2	.2	.6	.3	.1	.1

See footnotes at end of table.

**Table B-2: Monthly labor turnover rates in selected industries-Continued**

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	1.5	3.3	0.8	0.9	0.3	0.4	0.1	0.1	0.2	0.1	0.2	0.2
Petroleum refining.....	.9	3.1	.6	.7	.2	.3	(2/)	(2/)	.1	(2/)	.2	.2
<b>RUBBER PRODUCTS.....</b>	3.1	3.2	2.3	2.1	1.2	1.0	.2	.2	.5	.6	.3	.3
Tires and inner tubes.....	2.5	2.5	1.5	1.4	.8	.7	.1	.1	.3	.3	.3	.3
Rubber footwear.....	3.0	3.0	2.3	2.0	1.7	1.4	.2	.1	.2	.3	.3	.2
Other rubber products.....	3.5	3.8	2.9	2.8	1.5	1.3	.4	.3	.8	.9	.3	.3
<b>LEATHER AND LEATHER PRODUCTS.....</b>	5.1	4.8	3.9	3.5	2.4	2.2	.3	.3	.6	.6	.6	.5
Leather: tanned, curried, and finished..	2.4	2.8	2.4	2.4	1.2	.9	.2	.3	.7	.9	.3	.3
Footwear (except rubber).....	5.5	5.1	4.2	3.7	2.6	2.4	.3	.3	.6	.6	.6	.5
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	3.0	3.4	3.8	2.5	1.1	1.0	.2	.2	2.3	1.0	.3	.2
Glass and glass products.....	3.5	3.8	5.8	2.5	1.0	.9	.2	.2	4.2	1.2	.4	.2
Cement, hydraulic.....	2.3	3.1	1.7	2.3	.8	.8	.2	.2	.4	1.0	.2	.3
Structural clay products.....	2.7	3.4	4.1	2.6	1.3	1.5	.2	.3	2.3	.7	.2	.1
Pottery and related products.....	3.3	2.6	3.1	3.3	1.5	1.4	.2	.3	1.2	1.4	.1	.2
<b>PRIMARY METAL INDUSTRIES.....</b>	1.8	2.6	2.4	1.9	.6	.7	.2	.2	1.3	.7	.3	.3
Blast furnaces, steel works, and rolling mills.....	1.5	2.5	2.1	1.5	.5	.6	.1	.1	1.2	.5	.3	.3
Iron and steel foundries.....	2.0	2.2	2.8	2.5	1.0	.9	.2	.2	1.4	1.1	.2	.2
Gray-iron foundries.....	2.1	2.0	3.0	3.0	1.1	1.0	.2	.2	1.4	1.7	.2	.2
Malleable-iron foundries.....	1.5	2.6	2.1	1.8	1.0	1.0	.1	.2	.8	.3	.2	.3
Steel foundries.....	2.1	2.2	3.0	2.3	.8	.9	.3	.3	1.6	.8	.2	.2
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	1.4	2.7	2.4	2.3	.7	1.1	.4	.4	1.1	.6	.2	.2
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	1.1	1.8	1.1	1.2	.5	.4	.1	.1	.3	.2	.3	.4
Nonferrous foundries.....	3.2	4.1	4.1	2.8	1.3	1.0	.3	.4	2.1	1.1	.4	.3
Other primary metal industries:												
Iron and steel forgings.....	1.7	3.4	1.8	2.5	.7	.9	.2	.3	.7	1.1	.2	.2
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	3.5	4.1	3.6	3.2	1.4	1.2	.3	.3	1.6	1.3	.2	.2
Cutlery, hand tools, and hardware.....	2.5	2.5	2.5	2.9	1.3	1.1	.3	.3	.6	1.2	.3	.3
Cutlery and edge tools.....	2.6	1.2	1.8	3.3	1.1	1.1	.1	.3	.4	1.6	.2	.2
Hand tools.....	2.1	2.4	2.3	2.1	.9	.9	.2	.2	.8	.8	.4	.2
Hardware.....	2.7	2.9	2.8	3.2	1.6	1.2	.4	.3	.5	1.3	.3	.3
Heating apparatus (except electric) and plumbers' supplies.....	3.5	4.0	4.4	2.8	1.7	1.4	.3	.4	2.2	.7	.2	.3
Sanitary ware and plumbers' supplies....	2.6	2.5	1.9	2.1	.9	.9	.3	.2	.5	.6	.2	.4
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	3.9	4.7	5.9	3.2	2.2	1.6	.4	.6	3.1	.8	.2	.2
Fabricated structural metal products....	3.9	4.6	2.8	2.6	1.5	1.3	.4	.4	.7	.7	.2	.2
Metal stamping, coating, and engraving..	3.5	3.7	4.7	4.2	1.4	1.1	.3	.3	2.7	2.4	.3	.4

See footnotes at end of table.

Table B-2: Monthly labor turnover rates in selected industries-Continued

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957
<b>MACHINERY (EXCEPT ELECTRICAL)</b> .....	2.0	2.6	2.8	3.0	0.9	1.0	0.2	0.2	1.4	1.5	0.3	0.3
Engines and turbines.....	2.0	2.1	2.4	3.8	.7	.9	.1	.2	1.4	2.4	.2	.4
Agricultural machinery and tractors.....	1.7	2.9	2.6	2.8	.8	.9	.2	.2	1.1	1.1	.4	.5
Construction and mining machinery.....	2.2	2.7	3.1	3.7	1.1	1.2	.3	.3	1.5	1.9	.2	.2
Metalworking machinery.....	1.1	2.1	2.5	2.3	.8	.9	.2	.2	1.4	.9	.2	.3
Machine tools.....	.9	1.8	2.4	2.2	.7	.9	.2	.2	1.3	.9	.2	.3
Metalworking machinery (except machine tools).....	1.0	2.1	2.0	2.3	.7	.9	.1	.2	1.0	.9	.2	.2
Machine-tool accessories.....	2.0	2.7	3.5	2.5	.9	1.1	.3	.3	2.1	.8	.2	.3
Special-industry machinery (except metalworking machinery).....	1.5	2.3	2.1	2.3	.8	1.0	.2	.2	.8	.9	.3	.2
General industrial machinery.....	2.6	3.0	2.2	2.5	1.0	1.1	.3	.3	.7	.9	.2	.2
Office and store machines and devices....	1.9	3.0	2.3	2.3	.9	1.2	.1	.2	1.0	.7	.2	.2
Service-industry and household machines..	3.3	3.1	6.5	6.8	.9	.9	.2	.1	4.9	5.6	.5	.3
Miscellaneous machinery parts.....	1.9	2.4	2.1	2.1	.9	.9	.2	.2	.7	.7	.3	.3
<b>ELECTRICAL MACHINERY</b> .....	3.5	3.8	2.9	3.0	1.4	1.6	.3	.3	1.0	.9	.2	.3
Electrical generating, transmission, distribution, and industrial apparatus..	2.7	2.7	2.7	2.8	1.3	1.3	.2	.2	1.0	1.0	.2	.2
Communication equipment.....	(1/)	4.7	(1/)	3.0	(1/)	1.9	(1/)	.3	(1/)	.5	(1/)	.3
Radios, phonographs, television sets, and equipment.....	5.1	5.7	3.0	3.2	1.7	2.0	.3	.3	.8	.6	.2	.2
Telephone, telegraph, and related equipment.....	(1/)	3.1	(1/)	2.5	(1/)	1.4	(1/)	.2	(1/)	.5	(1/)	.3
Electrical appliances, lamps, and miscellaneous products.....	4.4	3.4	4.8	3.9	1.4	1.2	.4	.2	2.6	2.0	.4	.4
<b>TRANSPORTATION EQUIPMENT</b> .....	4.2	4.6	4.5	3.6	1.4	1.4	.3	.3	2.6	1.6	.3	.4
Automobiles.....	4.0	3.8	4.0	3.8	.8	.8	.2	.2	2.6	2.0	.4	.7
Aircraft and parts.....	3.0	4.2	3.9	2.7	1.7	1.7	.2	.2	1.8	.6	.2	.2
Aircraft.....	3.1	4.6	4.1	2.5	1.8	1.8	.2	.2	1.9	.4	.2	.2
Aircraft engines and parts.....	2.0	2.4	1.9	2.9	.9	1.2	.2	.1	.7	1.3	.2	.3
Aircraft propellers and parts.....	(1/)	3.3	(1/)	1.4	(1/)	.9	(1/)	.2	(1/)	.1	(1/)	.2
Other aircraft parts and equipment.....	4.3	4.9	5.3	3.9	2.2	1.9	.6	.5	2.3	1.4	.1	.1
Ship and boat building and repairing.....	(1/)	11.7	(1/)	9.0	(1/)	2.8	(1/)	.7	(1/)	5.3	(1/)	.3
Railroad equipment.....	2.5	3.4	4.9	2.8	1.0	1.0	.2	.5	3.3	1.0	.5	.4
Locomotives and parts.....	1.3	1.9	5.3	2.9	.6	.9	(2/)	.1	3.9	1.3	.8	.6
Railroad and street cars.....	3.3	4.0	4.7	2.8	1.2	1.1	.3	.7	2.9	.8	.3	.2
Other transportation equipment.....	7.8	5.1	3.0	2.5	2.0	1.6	.6	.7	(2/)	.1	.3	.1
<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	2.3	3.1	2.5	2.2	1.3	1.1	.3	.2	.8	.7	.2	.2
Photographic apparatus.....	(1/)	2.6	(1/)	1.3	(1/)	.7	(1/)	.1	(1/)	.3	(1/)	.2
Watches and clocks.....	(1/)	3.3	(1/)	2.7	(1/)	1.3	(1/)	.2	(1/)	.8	(1/)	.4
Professional and scientific instruments..	1.8	3.3	2.5	2.3	1.1	1.2	.2	.2	1.0	.7	.1	.2
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> ....	4.7	5.5	3.2	4.1	1.8	2.0	.4	.4	.9	1.5	.2	.2
Jewelry, silverware, and plated ware....	2.0	2.5	1.5	1.6	.9	1.0	.1	.1	.3	.3	.2	.2

See footnotes at end of table.

**Table B-2: Monthly labor turnover rates in selected industries-Continued**

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957	July 1957	June 1957
<b>NONMANUFACTURING:</b>												
<b>METAL MINING.....</b>	2.2	4.1	2.7	3.2	1.7	2.4	0.2	0.3	0.5	0.3	0.4	0.3
Iron mining.....	.8	1.6	.6	.8	.2	.2	.1	(2/)	(2/)	.3	.4	.3
Copper mining.....	2.4	2.8	4.0	4.0	3.0	3.2	.2	.3	.3	.1	.5	.5
Lead and zinc mining.....	1.5	5.2	4.1	2.9	1.4	1.9	.2	.2	2.3	.7	.3	.1
<b>ANTHRACITE MINING.....</b>	(1/)	.8	(1/)	10.3	(1/)	.3	(1/)	(2/)	(1/)	9.9	(1/)	.1
<b>BITUMINOUS-COAL MINING.....</b>	1.1	.9	1.8	1.5	.5	.4	.1	(2/)	1.1	.9	.2	.1
<b>COMMUNICATION:</b>												
Telephone.....	(1/)	3.6	(1/)	2.1	(1/)	1.7	(1/)	.1	(1/)	.2	(1/)	.1
Telegraph <sup>3/</sup> .....	(1/)	2.7	(1/)	1.6	(1/)	1.0	(1/)	(2/)	(1/)	.2	(1/)	.3

1/ Not available.

2/ Less than 0.05.

3/ Data relate to domestic employees except messengers and those compensated entirely on a commission basis.

**Table B-3: Monthly labor turnover rates in manufacturing  
for selected States and areas**

(Per 100 employees)

State and area	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957
CONNECTICUT.....	3.3	2.8	3.0	3.3	1.5	1.6	0.2	0.2	1.1	1.3	0.2	0.2
Bridgeport.....	2.9	2.4	3.1	3.5	1.4	1.5	.2	.3	1.3	1.5	.2	.2
Hartford.....	3.4	2.5	2.7	2.9	1.7	1.7	.4	.4	.4	.6	.2	.2
New Haven.....	3.5	3.1	5.1	3.0	1.9	1.9	.3	.3	2.6	.7	.3	.1
Waterbury.....	3.0	2.9	2.0	2.7	.8	1.1	.1	.2	.7	1.1	.4	.3
DELAWARE:												
Wilmington.....	3.8	3.1	2.7	2.3	1.1	1.2	.2	.2	1.1	.8	.3	.2
INDIANA 1/.....	4.0	2.9	3.1	3.5	1.2	1.3	.2	.2	1.4	1.7	.3	.3
KANSAS 2/.....	5.2	3.5	3.5	3.3	1.8	1.8	.3	.2	1.1	1.1	.2	.1
Wichita 3/.....	6.8	3.8	3.4	3.3	2.5	2.4	.4	.2	.4	.5	.2	.2
KENTUCKY.....	3.9	3.1	3.2	3.1	1.2	1.3	.2	.3	1.6	1.3	.2	.2
MARYLAND.....	4.4	3.5	3.6	3.9	1.5	1.6	.3	.3	1.6	1.9	.2	.1
Baltimore.....	3.8	3.1	3.3	3.9	1.5	1.6	.3	.3	1.3	1.8	.1	.1
MISSOURI.....	4.6	3.6	3.5	4.1	1.7	1.6	.3	.3	1.2	1.9	.3	.3
NEW YORK.....	4.6	3.4	4.1	4.4	1.4	1.4	.3	.3	2.1	2.5	.2	.2
Albany-Schenectady-Troy.....	2.3	1.4	2.0	1.9	1.0	.8	.1	.1	.6	.7	.3	.3
Binghamton.....	3.6	2.3	1.8	2.0	1.2	1.4	.3	.2	.1	.3	.2	.2
Buffalo.....	3.6	2.4	3.0	3.0	1.1	1.2	.2	.2	1.4	1.4	.2	.2
Nassau and Suffolk Counties.....	3.5	2.4	3.7	3.5	1.8	1.3	.3	.4	1.4	1.6	.2	.1
New York City.....	5.6	4.5	5.4	5.9	1.4	1.3	.5	.5	3.3	3.9	.2	.2
Rochester.....	3.2	2.4	2.0	2.1	1.0	1.1	.1	.2	.7	.6	.2	.2
Syracuse.....	3.3	2.8	2.6	3.3	1.4	1.6	.2	.3	.7	1.2	.3	.2
Westchester County.....	4.7	4.1	3.1	3.1	1.5	1.5	.3	.3	1.1	1.2	.2	.2

1/ Excludes canning and preserving.

2/ Excludes instruments and related products.

3/ Excludes paper and allied products, products of petroleum and coal, and instruments and related products.

NOTE: June 1957 data are preliminary.

**Table C-1: Hours and gross earnings of production workers  
or nonsupervisory employees**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>MINING:</b>									
<b>METAL MINING.....</b>	\$98.65	\$98.81	\$96.02	40.1	41.0	42.3	\$2.46	\$2.41	\$2.27
Iron mining.....	105.06	103.06	89.05	39.2	40.1	36.2	2.68	2.57	2.46
Copper mining.....	99.06	98.88	100.39	40.6	41.2	42.9	2.44	2.40	2.34
Lead and zinc mining.....	87.02	89.60	90.30	40.1	41.1	42.0	2.17	2.18	2.15
<b>ANTHRACITE.....</b>	1/	100.50	92.20	1/	34.3	35.6	1/	2.93	2.59
<b>BITUMINOUS-COAL.....</b>	112.73	114.68	102.16	36.6	37.6	36.1	3.08	3.05	2.83
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:</b>									
Petroleum and natural-gas production (except contract services).....	110.00	109.18	106.01	41.2	41.2	41.9	2.67	2.65	2.53
<b>NONMETALLIC MINING AND QUARRYING.....</b>	91.10	90.45	88.01	45.1	45.0	45.6	2.02	2.01	1.93
<b>CONTRACT CONSTRUCTION.....</b>	109.35	108.11	103.25	38.1	37.8	38.1	2.87	2.86	2.71
<b>NONBUILDING CONSTRUCTION.....</b>									
Highway and street.....	107.31	101.33	102.70	43.8	41.7	43.7	2.45	2.43	2.35
Other nonbuilding construction.....	113.36	111.32	107.68	40.2	39.9	41.1	2.82	2.79	2.62
<b>BUILDING CONSTRUCTION.....</b>									
General contractors.....	101.94	100.65	96.52	36.8	36.6	36.7	2.77	2.75	2.63
Special-trade contractors.....	113.90	114.58	108.25	37.1	37.2	37.2	3.07	3.08	2.91
Plumbing and heating.....	118.04	119.42	113.58	38.2	38.4	38.5	3.09	3.11	2.95
Painting and decorating.....	107.21	105.55	100.04	35.5	35.3	35.1	3.02	2.99	2.85
Electrical work.....	131.77	134.06	124.03	39.1	39.9	39.5	3.37	3.36	3.14
Other special-trade contractors.....	108.41	108.84	103.94	36.5	36.4	36.6	2.97	2.99	2.84
<b>MANUFACTURING.....</b>	82.18	82.80	78.60	39.7	40.0	40.1	2.07	2.07	1.96
Durable goods.....	88.00	88.70	84.25	40.0	40.5	40.7	2.20	2.19	2.07
Nondurable goods.....	74.86	74.09	71.71	39.4	39.2	39.4	1.90	1.89	1.82
Ordnance and accessories.....	93.60	94.83	91.74	40.0	40.7	41.7	2.34	2.33	2.20
<b>FOOD AND KINDRED PRODUCTS.....</b>									
Meat products.....	87.33	87.13	82.20	41.0	41.1	41.1	2.13	2.12	2.00
Meat packing, wholesale.....	95.58	95.87	89.44	41.2	41.5	41.6	2.32	2.31	2.15
Sausages and casings.....	90.91	91.12	87.34	41.7	41.8	42.4	2.18	2.18	2.06
Dairy products.....	80.04	78.87	75.95	43.5	43.1	43.4	1.84	1.83	1.75
Condensed and evaporated milk.....	80.66	79.92	77.43	43.6	43.2	44.5	1.85	1.85	1.74
Ice cream and ices.....	86.09	83.89	78.69	43.7	42.8	43.0	1.97	1.96	1.83
Canning and preserving.....	63.20	61.18	61.23	40.0	38.0	39.5	1.58	1.61	1.55
Sea food, canned and cured.....	55.36	50.24	49.77	34.6	32.0	31.3	1.60	1.57	1.59
Canned fruits, vegetables, and soups..	65.94	64.08	64.27	42.0	38.6	41.2	1.57	1.66	1.56
Grain-mill products.....	86.91	83.66	81.35	44.8	43.8	43.5	1.94	1.91	1.87
Flour and other grain-mill products...	89.69	86.17	82.99	44.4	43.3	43.0	2.02	1.99	1.93
Prepared feeds.....	82.63	80.10	78.05	45.4	44.5	44.6	1.82	1.80	1.75
Bakery products.....	77.11	76.89	74.21	40.8	40.9	41.0	1.89	1.88	1.81
Bread and other bakery products.....	78.94	78.53	75.85	40.9	40.9	41.0	1.93	1.92	1.85
Biscuits, crackers, and pretzels.....	70.07	70.35	67.08	40.5	40.9	40.9	1.73	1.72	1.64

**Table C-1: Hours and gross earnings of production workers  
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>FOOD AND KINDRED PRODUCTS - Continued</b>									
Sugar.....	\$87.57	\$92.44	\$83.36	42.1	43.4	42.1	\$2.08	\$2.13	\$1.98
Cane-sugar refining.....	96.79	102.38	93.01	43.6	45.3	44.5	2.22	2.26	2.09
Beet sugar.....	79.77	81.61	75.66	40.7	40.2	38.6	1.96	2.03	1.96
Confectionery and related products.....	64.06	65.85	62.17	39.3	40.4	39.6	1.63	1.63	1.57
Confectionery.....	61.46	63.92	58.98	38.9	40.2	38.8	1.58	1.59	1.52
Beverages.....	92.32	91.35	88.99	41.4	40.6	41.2	2.23	2.25	2.16
Bottled soft drinks.....	71.78	70.98	66.36	43.5	42.5	42.0	1.65	1.67	1.58
Malt liquors.....	113.02	111.35	110.24	40.8	40.2	41.6	2.77	2.77	2.65
Distilled, rectified, and blended liquors.....	85.36	84.42	81.48	38.8	38.2	38.8	2.20	2.21	2.10
Miscellaneous food products.....	78.17	76.36	72.04	41.8	41.5	40.7	1.87	1.84	1.77
Corn sirup, sugar, oil, and starch.....	94.55	90.69	80.70	42.4	41.6	38.8	2.23	2.18	2.08
Manufactured ice.....	75.93	72.70	71.71	46.3	44.6	45.1	1.64	1.63	1.59
<b>TOBACCO MANUFACTURES</b>	63.76	60.99	58.74	39.6	38.6	38.9	1.61	1.58	1.51
Cigarettes.....	81.16	74.59	72.34	43.4	40.1	41.1	1.87	1.86	1.76
Cigars.....	47.92	49.63	47.74	36.3	37.6	37.3	1.32	1.32	1.28
Tobacco and snuff.....	62.16	61.94	55.39	37.9	38.0	36.2	1.64	1.63	1.53
Tobacco stemming and redrying.....	54.77	54.52	51.05	38.3	37.6	38.1	1.43	1.45	1.34
<b>TEXTILE-MILL PRODUCTS</b>	57.90	58.35	55.87	38.6	38.9	38.8	1.50	1.50	1.44
Scouring and combing plants.....	70.47	68.20	70.84	42.2	42.1	44.0	1.67	1.62	1.61
Yarn and thread mills.....	53.10	52.85	51.05	38.2	38.3	38.1	1.39	1.38	1.34
Yarn mills.....	53.10	53.24	51.05	38.2	38.3	38.1	1.39	1.39	1.34
Thread mills.....	54.29	54.46	53.45	38.5	38.9	39.3	1.41	1.40	1.36
Broad-woven fabric mills.....	56.26	56.41	53.82	38.8	38.9	39.0	1.45	1.45	1.38
Cotton, silk, synthetic fiber.....	54.77	54.91	51.72	38.3	38.4	38.6	1.43	1.43	1.34
North.....	59.82	59.67	58.80	39.1	39.0	39.2	1.53	1.53	1.50
South.....	53.86	54.00	50.82	38.2	38.3	38.5	1.41	1.41	1.32
Woolen and worsted.....	66.40	67.20	64.53	41.5	42.0	41.1	1.60	1.60	1.57
Narrow fabrics and smallwares.....	61.66	61.41	57.77	40.3	40.4	39.3	1.53	1.52	1.47
Knitting mills.....	53.80	54.46	53.25	37.1	37.3	37.5	1.45	1.46	1.42
Full-fashioned hosiery.....	53.79	54.56	56.39	34.7	35.2	37.1	1.55	1.55	1.52
North.....	58.21	58.06	56.77	37.8	37.7	38.1	1.54	1.54	1.49
South.....	51.93	53.20	56.52	33.5	34.1	36.7	1.55	1.56	1.54
Seamless hosiery.....	47.82	49.21	45.44	36.5	37.0	35.5	1.31	1.33	1.28
North.....	52.11	51.05	49.79	38.6	38.1	38.6	1.35	1.34	1.29
South.....	47.06	48.94	44.80	36.2	36.8	35.0	1.30	1.33	1.28
Knit outerwear.....	59.14	58.75	57.72	38.4	38.4	39.0	1.54	1.53	1.48
Knit underwear.....	51.00	51.14	48.86	37.5	37.6	37.3	1.36	1.36	1.31
Dyeing and finishing textiles.....	65.67	69.22	64.31	39.8	41.7	40.7	1.65	1.66	1.58
Dyeing and finishing textiles (except wool).....	64.39	68.81	63.59	39.5	41.7	40.5	1.63	1.65	1.57
Carpets, rugs, other floor coverings.....	72.83	72.29	71.38	39.8	39.5	40.1	1.83	1.83	1.78
Wool carpets, rugs, and carpet yarn.....	69.50	68.76	71.68	38.4	38.2	39.6	1.81	1.80	1.81
Hats (except cloth and millinery).....	59.01	59.76	58.03	36.2	36.0	35.6	1.63	1.66	1.63
Miscellaneous textile goods.....	69.89	69.37	64.78	40.4	40.1	39.5	1.73	1.73	1.64
Felt goods (except woven felts and hats).....	72.52	73.49	67.20	39.2	39.3	38.4	1.85	1.87	1.75
Lace goods.....	69.36	68.80	66.64	37.9	37.8	38.3	1.83	1.82	1.74
Paddings and upholstery filling.....	71.46	69.95	67.89	40.6	40.2	39.7	1.76	1.74	1.71
Processed waste and recovered fibers.....	59.08	58.66	52.53	41.9	41.6	40.1	1.41	1.41	1.31
Artificial leather, oilcloth, and other coated fabrics.....	96.09	93.07	85.41	44.9	43.9	43.8	2.14	2.12	1.95
Cordage and twine.....	57.83	57.68	55.58	38.3	38.2	38.6	1.51	1.51	1.44

**Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	<b>\$54.30</b>	<b>\$53.34</b>	<b>\$52.27</b>	<b>36.2</b>	<b>35.8</b>	<b>35.8</b>	<b>\$1.50</b>	<b>\$1.49</b>	<b>\$1.46</b>
Men's and boys' suits and coats.....	64.61	64.08	62.11	36.3	35.8	35.9	1.78	1.79	1.73
Men's and boys' furnishings and work clothing.....	46.36	46.37	44.88	36.5	36.8	35.9	1.27	1.26	1.25
Shirts, collars, and nightwear.....	46.85	45.97	44.89	36.6	36.2	36.2	1.28	1.27	1.24
Separate trousers.....	47.21	47.19	46.75	36.6	36.3	37.1	1.29	1.30	1.26
Work shirts.....	43.07	42.92	39.96	36.5	37.0	36.0	1.18	1.16	1.11
Women's outerwear.....	58.80	55.24	57.40	35.0	34.1	35.0	1.68	1.62	1.64
Women's dresses.....	54.58	53.09	53.48	33.9	33.6	34.5	1.61	1.58	1.55
Household apparel.....	45.06	45.50	43.88	35.2	35.0	35.1	1.28	1.30	1.25
Women's suits, coats, and skirts.....	75.12	65.73	73.03	35.6	32.7	35.8	2.11	2.01	2.04
Women's, children's under garments.....	48.01	48.11	46.41	36.1	35.9	35.7	1.33	1.34	1.30
Underwear and nightwear, except corsets.	46.46	45.95	44.63	36.3	35.9	35.7	1.28	1.28	1.25
Corsets and allied garments.....	51.62	52.41	50.69	35.6	35.9	35.7	1.45	1.46	1.42
Millinery.....	60.16	54.94	61.75	35.6	32.9	35.9	1.69	1.67	1.72
Children's outerwear.....	52.44	51.61	49.18	38.0	37.4	36.7	1.38	1.38	1.34
Miscellaneous apparel and accessories....	50.04	49.63	49.08	36.0	35.2	36.9	1.39	1.41	1.33
Other fabricated textile products.....	57.15	57.23	52.82	37.6	37.9	37.2	1.52	1.51	1.42
Curtains, draperies, and other house-furnishings.....	48.34	47.92	45.67	36.9	36.3	35.4	1.31	1.32	1.29
Textile bags.....	60.50	59.40	57.92	39.8	39.6	39.4	1.52	1.50	1.47
Canvas products.....	59.35	59.09	57.63	40.1	40.2	40.3	1.48	1.47	1.43
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	<b>71.89</b>	<b>74.89</b>	<b>72.36</b>	<b>39.5</b>	<b>40.7</b>	<b>40.2</b>	<b>1.82</b>	<b>1.84</b>	<b>1.80</b>
Sawmills and planing mills.....	70.41	73.42	73.35	38.9	39.9	40.3	1.81	1.84	1.82
Sawmills and planing mills, general....	71.19	74.40	74.15	38.9	40.0	40.3	1.83	1.86	1.84
South.....	49.01	49.25	49.68	40.5	40.7	41.4	1.21	1.21	1.20
West.....	85.98	91.89	92.51	36.9	39.1	39.2	2.33	2.35	2.36
Millwork, plywood, and prefabricated structural wood products.....	75.79	77.71	74.34	40.1	40.9	40.4	1.89	1.90	1.84
Millwork.....	77.46	77.46	73.53	41.2	41.2	40.4	1.88	1.88	1.82
Plywood.....	72.57	78.34	74.52	38.6	40.8	40.5	1.88	1.92	1.84
Wooden containers.....	57.31	57.08	57.53	39.8	40.2	40.8	1.44	1.42	1.41
Wooden boxes, other than cigar.....	58.29	57.49	57.40	40.2	40.2	41.0	1.45	1.43	1.40
Miscellaneous wood products.....	61.66	63.14	60.53	40.3	41.0	40.9	1.53	1.54	1.48
<b>FURNITURE AND FIXTURES.....</b>	<b>68.03</b>	<b>69.08</b>	<b>67.54</b>	<b>39.1</b>	<b>39.7</b>	<b>40.2</b>	<b>1.74</b>	<b>1.74</b>	<b>1.68</b>
Household furniture.....	64.52	65.74	63.68	39.1	39.6	39.8	1.65	1.66	1.60
Wood household furniture, except upholstered.....	58.07	59.20	57.79	39.5	40.0	40.7	1.47	1.48	1.42
Wood household furniture, upholstered...	68.22	71.00	66.55	37.9	38.8	37.6	1.80	1.83	1.77
Mattresses and bedsprings.....	76.55	76.97	72.36	40.5	40.3	40.2	1.89	1.91	1.80
Office, public-building, and professional furniture.....	74.88	77.22	78.66	38.6	39.6	41.4	1.94	1.95	1.90
Wood office furniture.....	63.18	64.94	67.39	40.5	41.1	41.6	1.56	1.58	1.62
Metal office furniture.....	78.91	80.63	85.69	36.7	37.5	41.0	2.15	2.15	2.09
Partitions, shelving, lockers, and fixtures.....	85.60	86.05	84.05	40.0	40.4	41.0	2.14	2.13	2.05
Screens, blinds, and miscellaneous furniture and fixtures.....	67.72	68.00	66.26	39.6	40.0	40.9	1.71	1.70	1.62



**Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>PAPER AND ALLIED PRODUCTS.....</b>	<b>\$87.14</b>	<b>\$85.67</b>	<b>\$84.28</b>	<b>42.3</b>	<b>42.2</b>	<b>43.0</b>	<b>\$2.06</b>	<b>\$2.03</b>	<b>\$1.96</b>
Pulp, paper, and paperboard mills.....	95.70	93.53	93.21	43.5	43.1	44.6	2.20	2.17	2.09
Paperboard containers and boxes.....	80.73	80.10	75.62	41.4	41.5	41.1	1.95	1.93	1.84
Paperboard boxes.....	80.70	79.46	75.76	41.6	41.6	41.4	1.94	1.91	1.83
Fiber cans, tubes, and drums.....	80.77	84.87	75.66	39.4	41.0	39.2	2.05	2.07	1.93
Other paper and allied products.....	76.67	75.85	73.87	41.0	41.0	41.5	1.87	1.85	1.78
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	<b>95.88</b>	<b>96.38</b>	<b>93.80</b>	<b>38.2</b>	<b>38.4</b>	<b>38.6</b>	<b>2.51</b>	<b>2.51</b>	<b>2.43</b>
Newspapers.....	100.54	102.96	98.73	35.4	36.0	35.9	2.84	2.86	2.75
Periodicals.....	100.25	97.71	95.60	40.1	39.4	40.0	2.50	2.48	2.39
Books.....	84.32	84.56	83.81	39.4	39.7	40.1	2.14	2.13	2.09
Commercial printing.....	94.88	95.04	92.73	39.7	39.6	39.8	2.39	2.40	2.33
Lithographing.....	99.15	97.66	96.56	39.5	39.7	40.4	2.51	2.46	2.39
Greeting cards.....	63.47	63.96	62.69	38.7	38.3	38.7	1.64	1.67	1.62
Bookbinding and related industries.....	72.96	74.07	71.71	38.4	39.4	39.4	1.90	1.88	1.82
Miscellaneous publishing and printing services.....	109.63	110.30	109.20	38.2	38.3	39.0	2.87	2.88	2.80
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	<b>92.25</b>	<b>91.88</b>	<b>87.76</b>	<b>41.0</b>	<b>41.2</b>	<b>41.2</b>	<b>2.25</b>	<b>2.23</b>	<b>2.13</b>
Industrial inorganic chemicals.....	100.69	99.63	94.42	40.6	41.0	40.7	2.48	2.43	2.32
Alkalies and chlorine.....	98.74	96.80	92.92	40.3	40.5	40.4	2.45	2.39	2.30
Industrial organic chemicals.....	97.92	97.82	93.71	40.8	41.1	41.1	2.40	2.38	2.28
Plastics, except synthetic rubber.....	100.60	99.60	93.68	41.4	41.5	42.2	2.43	2.40	2.22
Synthetic rubber.....	105.99	103.88	103.75	40.3	39.8	41.5	2.63	2.61	2.50
Synthetic fibers.....	83.02	83.03	79.20	40.3	40.5	39.8	2.06	2.05	1.99
Explosives.....	95.22	93.94	86.18	41.4	41.2	39.9	2.30	2.28	2.16
Drugs and medicines.....	83.23	82.62	78.57	40.8	40.7	40.5	2.04	2.03	1.94
Soap, cleaning and polishing preparations.....	95.47	96.41	91.49	40.8	41.2	41.4	2.34	2.34	2.21
Soap and glycerin.....	103.89	105.06	100.19	40.9	41.2	41.4	2.54	2.55	2.42
Paints, pigments, and fillers.....	90.89	90.69	86.53	41.5	41.6	41.6	2.19	2.18	2.08
Paints, varnishes, lacquers, and enamels.....	89.02	88.61	83.63	41.6	41.6	41.4	2.14	2.13	2.02
Gum and wood chemicals.....	79.61	78.07	77.70	42.8	42.2	43.9	1.86	1.85	1.77
Fertilizers.....	72.14	71.06	69.30	41.7	41.8	42.0	1.73	1.70	1.65
Vegetable and animal oils and fats.....	82.47	80.78	77.53	44.1	43.9	44.3	1.87	1.84	1.75
Vegetable oils.....	75.93	73.53	70.36	42.9	43.0	42.9	1.77	1.71	1.64
Animal oils and fats.....	90.09	89.55	86.67	45.5	45.0	46.1	1.98	1.99	1.88
Miscellaneous chemicals.....	83.82	84.03	79.79	40.3	40.4	40.5	2.08	2.08	1.97
Essential oils, perfumes, cosmetics.....	68.46	69.45	65.11	38.9	38.8	38.3	1.76	1.79	1.70
Compressed and liquified gases.....	96.33	96.83	89.88	41.7	42.1	42.0	2.31	2.30	2.14
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	<b>111.90</b>	<b>108.79</b>	<b>107.01</b>	<b>41.6</b>	<b>40.9</b>	<b>41.8</b>	<b>2.69</b>	<b>2.66</b>	<b>2.56</b>
Petroleum refining.....	115.51	113.70	111.22	41.4	40.9	41.5	2.79	2.78	2.68
Coke, other petroleum and coal products..	99.64	94.30	92.67	42.4	41.0	43.1	2.35	2.30	2.15
<b>RUBBER PRODUCTS.....</b>	<b>93.11</b>	<b>91.21</b>	<b>85.75</b>	<b>41.2</b>	<b>40.9</b>	<b>39.7</b>	<b>2.26</b>	<b>2.23</b>	<b>2.16</b>
Tires and inner tubes.....	109.88	107.23	98.14	42.1	41.4	39.1	2.61	2.59	2.51
Rubber footwear.....	71.74	72.29	71.28	39.2	39.5	39.6	1.83	1.83	1.80
Other rubber products.....	82.42	81.81	77.78	40.8	40.7	40.3	2.02	2.01	1.93
<b>LEATHER AND LEATHER PRODUCTS.....</b>	<b>58.29</b>	<b>58.21</b>	<b>56.62</b>	<b>38.1</b>	<b>37.8</b>	<b>38.0</b>	<b>1.53</b>	<b>1.54</b>	<b>1.49</b>
Leather: tanned, curried, and finished...	76.83	77.81	73.49	39.4	39.9	39.3	1.95	1.95	1.87
Industrial leather belting and packing...	77.52	74.77	71.20	40.8	40.2	40.0	1.90	1.86	1.78
Boot and shoe cut stock and findings....	56.89	57.72	54.05	38.7	39.0	37.8	1.47	1.48	1.43
Footwear (except rubber).....	55.94	55.73	54.96	37.8	37.4	37.9	1.48	1.49	1.45

# Hours and Earnings

**Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
	<b>LEATHER AND LEATHER PRODUCTS - Continued</b>								
Luggage.....	\$62.96	\$63.50	\$61.69	40.1	39.2	38.8	\$1.57	\$1.62	\$1.59
Handbags and small leather goods.....	53.02	52.82	50.09	37.6	37.2	37.1	1.41	1.42	1.35
Gloves and miscellaneous leather goods...	49.18	50.01	47.82	35.9	36.5	36.5	1.37	1.37	1.31
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>									
Flat glass.....	110.48	108.90	112.06	39.6	39.6	41.2	2.79	2.75	2.72
Glass and glassware, pressed or blown....	83.79	84.02	81.00	39.9	40.2	39.9	2.10	2.09	2.03
Glass containers.....	84.56	85.65	83.63	39.7	40.4	40.4	2.13	2.12	2.07
Pressed and blown glass.....	82.41	81.40	75.66	40.2	39.9	38.8	2.05	2.04	1.95
Glass products made of purchased glass...	69.17	69.42	67.20	39.3	39.0	40.0	1.76	1.78	1.68
Cement, hydraulic.....	82.72	86.51	87.78	37.6	41.0	41.8	2.20	2.11	2.10
Structural clay products.....	75.95	75.74	73.80	40.4	40.5	41.0	1.88	1.87	1.80
Brick and hollow tile.....	71.55	71.55	71.99	41.6	41.6	42.6	1.72	1.72	1.69
Floor and wall tile.....	76.21	76.80	74.52	39.9	40.0	40.5	1.91	1.92	1.84
Sewer pipe.....	75.58	73.51	76.59	40.2	39.1	41.4	1.88	1.88	1.85
Clay refractories.....	85.36	83.28	74.77	38.8	39.1	37.2	2.20	2.13	2.01
Pottery and related products.....	71.68	72.07	69.26	36.2	36.4	35.7	1.98	1.98	1.94
Concrete, gypsum, and plaster products...	84.20	85.55	82.70	43.4	44.1	44.7	1.94	1.94	1.85
Concrete products.....	80.91	83.59	81.07	43.5	44.7	45.8	1.86	1.87	1.77
Cut-stone and stone products.....	71.51	72.22	69.63	40.4	40.8	41.2	1.77	1.77	1.69
Miscellaneous nonmetallic mineral products.....	85.81	87.74	80.79	40.1	41.0	39.8	2.14	2.14	2.03
Abrasive products.....	89.67	91.71	87.52	39.5	40.4	39.6	2.27	2.27	2.21
Asbestos products.....	90.09	92.88	82.21	41.9	42.8	40.7	2.15	2.17	2.02
Nonclay refractories.....	85.56	88.83	73.59	36.1	37.8	33.0	2.37	2.35	2.23
<b>PRIMARY METAL INDUSTRIES.....</b>									
Blast furnaces, steel works, and rolling mills.....	107.86	104.67	96.47	39.8	39.8	38.9	2.71	2.63	2.48
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	108.26	105.07	97.25	39.8	39.8	38.9	2.72	2.64	2.50
Electrometallurgical products.....	92.58	92.00	85.53	38.9	40.0	38.7	2.38	2.30	2.21
Iron and steel foundries.....	87.69	88.53	85.47	39.5	39.7	40.7	2.22	2.23	2.10
Gray-iron foundries.....	85.24	85.24	82.41	39.1	39.1	40.2	2.18	2.18	2.05
Malleable-iron foundries.....	83.85	84.89	81.19	39.0	39.3	39.8	2.15	2.16	2.04
Steel foundries.....	95.24	96.41	93.66	40.7	41.2	42.0	2.34	2.34	2.23
Primary smelting and refining of nonferrous metals.....	96.05	95.53	93.18	40.7	41.0	41.6	2.36	2.33	2.24
Primary smelting and refining of copper, lead, and zinc.....	91.80	90.83	92.42	40.8	41.1	42.2	2.25	2.21	2.19
Primary refining of aluminum.....	101.66	102.82	94.54	40.5	40.8	40.4	2.51	2.52	2.34
Secondary smelting and refining of nonferrous metals.....	86.27	86.71	83.21	40.5	40.9	41.4	2.13	2.12	2.01
Rolling, drawing and alloying of nonferrous metals.....	94.24	95.88	89.91	40.1	40.8	40.5	2.35	2.35	2.22
Rolling, drawing, and alloying of copper.....	94.00	97.11	90.32	40.0	41.5	40.5	2.35	2.34	2.23
Rolling, drawing, and alloying of aluminum.....	94.87	94.40	89.24	40.2	40.0	40.2	2.36	2.36	2.22
Nonferrous foundries.....	91.77	91.88	89.13	39.9	40.3	40.7	2.30	2.28	2.19
Miscellaneous primary metal industries...	101.34	102.67	96.82	40.7	41.4	41.2	2.49	2.48	2.35
Iron and steel forgings.....	106.19	107.90	101.93	41.0	41.5	41.1	2.59	2.60	2.48
Wire drawing.....	93.93	97.23	93.60	39.8	41.2	41.6	2.36	2.36	2.25
Welded and heavy-riveted pipe.....	104.00	104.58	94.16	41.6	42.0	41.3	2.50	2.49	2.28

**Table C-1: Hours and gross earnings of production workers  
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).</b>	<b>\$88.94</b>	<b>\$89.40</b>	<b>\$83.44</b>	<b>40.8</b>	<b>41.2</b>	<b>40.7</b>	<b>\$2.18</b>	<b>\$2.17</b>	<b>\$2.05</b>
Tin cans and other tinware.....	102.66	97.90	93.52	43.5	42.2	42.9	2.36	2.32	2.18
Cutlery, hand tools, and hardware.....	84.19	84.63	79.20	39.9	40.3	40.0	2.11	2.10	1.98
Cutlery and edge tools.....	73.60	74.77	71.33	40.0	40.2	40.3	1.84	1.86	1.77
Hand tools.....	80.67	82.97	79.80	38.6	39.7	40.1	2.09	2.09	1.99
Hardware.....	88.48	88.10	80.79	40.4	40.6	39.8	2.19	2.17	2.03
Heating apparatus (except electric) and plumbers' supplies.....	81.90	83.77	78.39	39.0	39.7	39.0	2.10	2.11	2.01
Sanitary ware and plumbers' supplies....	85.53	85.97	80.89	38.7	38.9	37.8	2.21	2.21	2.14
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	80.16	82.80	77.03	39.1	40.0	39.5	2.05	2.07	1.95
Fabricated structural metal products.....	93.86	93.68	85.49	41.9	42.2	41.1	2.24	2.22	2.08
Structural steel and ornamental metal work.....	95.79	95.67	85.49	42.2	42.9	41.3	2.27	2.23	2.07
Metal doors, sash, frames, molding, and trim.....	90.03	90.25	82.21	41.3	41.4	40.3	2.18	2.18	2.04
Boiler-shop products.....	92.80	91.10	85.05	41.8	41.6	40.5	2.22	2.19	2.10
Sheet-metal work.....	94.21	94.92	89.46	41.5	42.0	42.0	2.27	2.26	2.13
Metal stamping, coating, and engraving...	88.80	91.21	86.09	40.0	40.9	40.8	2.22	2.23	2.11
Vitreous-enameled products.....	73.78	68.85	67.13	42.4	38.9	40.2	1.74	1.77	1.67
Stamped and pressed metal products.....	92.63	96.00	91.05	40.1	41.2	41.2	2.31	2.33	2.21
Lighting fixtures.....	79.80	78.80	75.60	39.7	39.4	40.0	2.01	2.00	1.89
Fabricated wire products.....	81.59	82.42	77.16	39.8	40.4	40.4	2.05	2.04	1.91
Miscellaneous fabricated metal products..	89.42	89.02	84.25	41.4	41.6	41.5	2.16	2.14	2.03
Metal shipping barrels, drums, kegs, and pails.....	103.33	103.53	107.87	42.7	43.5	46.1	2.42	2.38	2.34
Steel springs.....	94.71	97.94	88.07	40.3	41.5	40.4	2.35	2.36	2.18
Bolts, nuts, washers, and rivets.....	90.45	89.82	83.23	41.3	41.2	41.0	2.19	2.18	2.03
Screw-machine products.....	86.73	87.36	82.60	41.3	41.6	41.3	2.10	2.10	2.00
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	<b>93.61</b>	<b>94.53</b>	<b>91.96</b>	<b>40.7</b>	<b>41.1</b>	<b>41.8</b>	<b>2.30</b>	<b>2.30</b>	<b>2.20</b>
Engines and turbines.....	100.28	101.60	93.94	40.6	41.3	41.2	2.47	2.46	2.28
Steam engines, turbines, and water wheels.....	114.70	112.99	97.11	42.8	42.8	41.5	2.68	2.64	2.34
Diesel and other internal-combustion engines, not elsewhere classified.....	93.85	96.87	93.52	39.6	40.7	41.2	2.37	2.38	2.27
Agricultural machinery and tractors.....	91.14	91.60	85.14	39.8	40.0	39.6	2.29	2.29	2.15
Tractors.....	92.20	92.04	88.44	39.4	39.5	40.2	2.34	2.33	2.20
Agricultural machinery (except tractors).....	89.87	90.72	81.30	40.3	40.5	38.9	2.23	2.24	2.09
Construction and mining machinery.....	91.71	93.34	89.45	40.4	41.3	41.8	2.27	2.26	2.14
Construction and mining machinery, except for oil fields.....	91.20	92.89	88.15	40.0	41.1	41.0	2.28	2.26	2.15
Oil-field machinery and tools.....	92.70	93.60	92.87	41.2	41.6	43.6	2.25	2.25	2.13
Metalworking machinery.....	106.25	108.68	107.49	42.5	43.3	44.6	2.50	2.51	2.41
Machine tools.....	97.88	102.00	103.28	41.3	42.5	45.1	2.37	2.40	2.29
Metalworking machinery (except machine tools).....	100.26	99.25	96.73	41.6	41.7	42.8	2.41	2.38	2.26
Machine-tool accessories.....	113.36	116.33	114.30	43.6	44.4	45.0	2.60	2.62	2.54
Special-industry machinery (except metalworking machinery).....	89.82	89.64	89.46	41.2	41.5	42.4	2.18	2.16	2.11
Food-products machinery.....	91.88	91.69	90.94	41.2	41.3	42.1	2.23	2.22	2.16
Textile machinery.....	77.74	77.93	75.67	40.7	40.8	40.9	1.91	1.91	1.85
Paper-industries machinery.....	93.09	94.16	96.98	43.5	44.0	46.4	2.14	2.14	2.09
Printing-trades machinery and equipment.	99.12	97.82	104.75	41.3	41.1	44.2	2.40	2.38	2.37

**Table C-1: Hours and gross earnings of production workers  
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>MACHINERY (EXCEPT ELECTRICAL) - Continued</b>									
General industrial machinery.....	\$92.39	\$92.48	\$90.27	40.7	41.1	41.6	\$2.27	\$2.25	\$2.17
Pumps, air and gas compressors.....	88.44	90.39	87.34	40.2	40.9	41.2	2.20	2.21	2.12
Conveyors and conveying equipment.....	97.94	96.93	95.34	41.5	41.6	42.0	2.36	2.33	2.27
Blowers, exhaust and ventilating fans..	86.94	87.72	87.57	39.7	40.8	41.7	2.19	2.15	2.10
Industrial trucks, tractors, etc.....	90.80	90.50	83.92	40.0	40.4	39.4	2.27	2.24	2.13
Mechanical power-transmission equipment.	94.25	94.12	91.54	40.8	41.1	41.8	2.31	2.29	2.19
Mechanical stokers and industrial furnaces and ovens.....	92.11	94.69	88.94	40.4	41.9	40.8	2.28	2.26	2.18
Office and store machines and devices....	89.78	89.89	91.49	39.9	39.6	41.4	2.25	2.27	2.21
Computing machines and cash registers....	98.74	97.60	99.22	40.8	40.0	42.4	2.42	2.44	2.34
Typewriters.....	72.96	75.08	80.60	38.4	38.9	40.5	1.90	1.93	1.99
Service-industry and household machines..	85.89	86.07	85.44	39.4	39.3	40.3	2.18	2.19	2.12
Domestic laundry equipment.....	90.09	88.26	87.02	40.4	39.4	40.1	2.23	2.24	2.17
Commercial laundry, dry-cleaning, and pressing machines.....	86.52	79.79	80.56	42.0	39.5	41.1	2.06	2.02	1.96
Sewing machines.....	90.27	89.42	93.50	40.3	40.1	42.5	2.24	2.23	2.20
Refrigerators and air-conditioning units.....	85.41	86.41	84.80	39.0	39.1	40.0	2.19	2.21	2.12
Miscellaneous machinery parts.....	91.30	91.58	87.33	40.4	40.7	41.0	2.26	2.25	2.13
Fabricated pipe, fittings, and valves....	89.65	90.32	85.81	40.2	40.5	40.1	2.23	2.23	2.14
Ball and roller bearings.....	89.95	88.48	85.01	39.8	39.5	40.1	2.26	2.24	2.12
Machine shops (job and repair).....	92.39	93.11	89.25	40.7	41.2	41.9	2.27	2.26	2.13
<b>ELECTRICAL MACHINERY.....</b>	<b>81.18</b>	<b>83.02</b>	<b>79.40</b>	<b>39.6</b>	<b>40.3</b>	<b>40.1</b>	<b>2.05</b>	<b>2.06</b>	<b>1.98</b>
Electrical generating, transmission, distribution, and industrial apparatus..	88.48	89.13	86.73	40.4	40.7	41.3	2.19	2.19	2.10
Wiring devices and supplies.....	76.44	77.41	75.55	39.2	39.9	40.4	1.95	1.94	1.87
Carbon and graphite products (electrical).....	84.77	84.23	84.66	39.8	40.3	40.7	2.13	2.09	2.08
Electrical indicating, measuring, and recording instruments.....	80.00	83.03	78.39	39.8	40.9	40.2	2.01	2.03	1.95
Motors, generators, and motor-generator sets.....	94.89	93.79	90.01	40.9	40.6	41.1	2.32	2.31	2.19
Power and distribution transformers....	93.43	92.80	93.72	40.8	40.7	42.6	2.29	2.28	2.20
Switchgear, switchboard, and industrial controls.....	92.25	93.15	90.29	41.0	41.4	41.8	2.25	2.25	2.16
Electrical welding apparatus.....	91.48	99.53	102.56	39.6	42.9	44.4	2.31	2.32	2.31
Electrical appliances.....	81.87	82.43	81.18	38.8	38.7	39.6	2.11	2.13	2.05
Insulated wire and cable.....	83.84	86.09	82.98	41.1	42.2	41.7	2.04	2.04	1.99
Electrical equipment for vehicles.....	85.97	85.58	81.56	38.9	38.9	39.4	2.21	2.20	2.07
Electric lamps.....	74.67	75.65	71.50	39.3	39.4	39.5	1.90	1.92	1.81
Communication equipment.....	75.85	79.59	73.30	39.1	40.4	39.2	1.94	1.97	1.87
Radios, phonographs, television sets, and equipment.....	75.05	76.97	72.83	39.5	40.3	39.8	1.90	1.91	1.83
Radio tubes.....	67.86	71.89	63.61	37.7	39.5	37.2	1.80	1.82	1.71
Telephone, telegraph, and related equipment.....	86.36	94.81	84.89	38.9	41.4	39.3	2.22	2.29	2.16
Miscellaneous electrical products.....	80.20	80.80	76.57	40.3	40.4	40.3	1.99	2.00	1.90
Storage batteries.....	87.86	89.42	83.77	39.4	40.1	39.7	2.23	2.23	2.11
Primary batteries (dry and wet).....	66.59	67.43	63.20	39.4	39.9	40.0	1.69	1.69	1.58
X-ray and non-radio electronic tubes....	93.34	89.06	86.67	41.3	40.3	40.5	2.26	2.21	2.14

**Table C-1: Hours and gross earnings of production workers  
or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>\$95.68</b>	<b>\$96.24</b>	<b>\$93.84</b>	<b>39.7</b>	<b>40.1</b>	<b>40.8</b>	<b>\$2.41</b>	<b>\$2.40</b>	<b>\$2.30</b>
Automobiles.....	96.08	97.42	92.57	38.9	39.6	39.9	2.47	2.46	2.32
Motor vehicles, bodies, parts, and accessories.....	97.25	98.60	93.77	38.9	39.6	39.9	2.50	2.49	2.35
Truck and bus bodies.....	85.20	83.35	80.60	40.0	39.5	39.9	2.13	2.11	2.02
Trailers (truck and automobile).....	81.14	83.01	80.99	39.2	40.1	39.7	2.07	2.07	2.04
Aircraft and parts.....	94.94	95.00	95.95	40.4	40.6	41.9	2.35	2.34	2.29
Aircraft.....	93.13	92.97	95.49	39.8	39.9	41.7	2.34	2.33	2.29
Aircraft engines and parts.....	96.05	96.76	96.22	40.7	41.0	42.2	2.36	2.36	2.28
Aircraft propellers and parts.....	96.76	96.12	97.13	41.0	40.9	42.6	2.36	2.35	2.28
Other aircraft parts and equipment.....	99.07	100.06	96.87	41.8	42.4	42.3	2.37	2.36	2.29
Ship and boat building and repairing.....	96.96	96.15	89.60	40.4	40.4	40.0	2.40	2.38	2.24
Shipbuilding and repairing.....	98.98	98.98	92.23	40.4	40.4	40.1	2.45	2.45	2.30
Boatbuilding and repairing.....	79.00	78.72	72.50	40.1	41.0	39.4	1.97	1.92	1.84
Railroad equipment.....	101.71	99.10	95.99	40.2	39.8	40.5	2.53	2.49	2.37
Locomotives and parts.....	102.56	102.47	101.01	40.7	40.5	42.8	2.52	2.53	2.36
Railroad and street cars.....	101.20	97.96	93.38	40.0	39.5	39.4	2.53	2.48	2.37
Other transportation equipment.....	79.17	81.40	78.00	39.0	40.1	40.0	2.03	2.03	1.95
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	<b>84.61</b>	<b>85.46</b>	<b>81.81</b>	<b>40.1</b>	<b>40.5</b>	<b>40.5</b>	<b>2.11</b>	<b>2.11</b>	<b>2.02</b>
Laboratory, scientific, and engineering instruments.....	95.04	96.05	95.40	40.1	40.7	42.4	2.37	2.36	2.25
Mechanical measuring and controlling instruments.....	85.65	86.69	81.80	40.4	40.7	40.1	2.12	2.13	2.04
Optical instruments and lenses.....	85.63	85.84	83.02	40.2	40.3	40.3	2.13	2.13	2.06
Surgical, medical, and dental instruments.....	74.59	75.30	70.75	40.1	40.7	40.2	1.86	1.85	1.76
Ophthalmic goods.....	68.00	67.54	64.80	40.0	40.2	40.0	1.70	1.68	1.62
Photographic apparatus.....	93.79	94.71	91.62	40.6	41.0	40.9	2.31	2.31	2.24
Watches and clocks.....	70.05	72.15	70.05	38.7	39.0	38.7	1.81	1.85	1.81
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES....</b>	<b>71.31</b>	<b>71.82</b>	<b>68.90</b>	<b>39.4</b>	<b>39.9</b>	<b>39.6</b>	<b>1.81</b>	<b>1.80</b>	<b>1.74</b>
Jewelry, silverware, and plated ware.....	72.40	74.34	70.05	40.0	40.4	39.8	1.81	1.84	1.76
Jewelry and findings.....	67.49	70.88	65.01	39.7	40.5	39.4	1.70	1.75	1.65
Silverware and plated ware.....	81.61	80.20	81.20	40.6	40.1	40.6	2.01	2.00	2.00
Musical instruments and parts.....	70.95	82.00	79.37	35.3	40.0	40.7	2.01	2.05	1.95
Toys and sporting goods.....	64.08	64.96	61.30	38.6	38.9	38.8	1.66	1.67	1.58
Games, toys, dolls, and children's vehicles.....	61.99	62.53	61.23	38.5	38.6	39.0	1.61	1.62	1.57
Sporting and athletic goods.....	68.46	69.34	61.82	38.9	39.4	38.4	1.76	1.76	1.61
Pens, pencils, other office supplies.....	65.74	68.64	65.93	38.9	41.1	40.2	1.69	1.67	1.64
Costume jewelry, buttons, notions.....	64.35	63.41	60.13	39.0	38.9	38.3	1.65	1.63	1.57
Fabricated plastics products.....	80.29	78.12	74.21	41.6	40.9	41.0	1.93	1.91	1.81
Other manufacturing industries.....	74.29	75.39	73.87	39.1	40.1	39.5	1.90	1.88	1.87

**Table C-1: Hours and gross earnings of production workers or nonsupervisory employees - Continued**

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
<b>TRANSPORTATION:</b>									
Class I railroads.....	(1/)	(1/)	\$85.67	(1/)	(1/)	40.6	(1/)	(1/)	\$2.11
Local railways and bus lines.....	\$89.59	\$89.96	85.73	43.7	44.1	43.3	\$2.05	\$2.04	1.98
<b>COMMUNICATION:</b>									
Telephone.....	76.24	76.44	74.21	39.3	39.2	39.9	1.94	1.95	1.86
Switchboard operating employees 2/...	63.54	63.21	61.34	37.6	37.4	38.1	1.69	1.69	1.61
Line construction, installation, and maintenance employees 3/.....	102.72	103.20	102.75	42.8	43.0	44.1	2.40	2.40	2.33
Telegraph 4/.....	88.62	88.62	85.24	42.2	42.2	42.2	2.10	2.10	2.02
<b>OTHER PUBLIC UTILITIES:</b>									
Gas and electric utilities.....	96.17	95.30	92.32	41.1	40.9	41.4	2.34	2.33	2.23
Electric light and power utilities.....	98.41	98.59	94.69	41.7	41.6	41.9	2.36	2.37	2.26
Gas utilities.....	91.13	89.42	86.48	40.5	40.1	40.6	2.25	2.23	2.13
Electric light and gas utilities combined.....	96.93	96.05	93.56	40.9	40.7	41.4	2.37	2.36	2.26
<b>WHOLESALE AND RETAIL TRADE:</b>									
<b>WHOLESALE TRADE.....</b>									
	85.05	84.82	82.22	40.5	40.2	40.5	2.10	2.11	2.03
<b>RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....</b>									
General merchandise stores.....	64.46	63.41	62.17	38.6	38.2	39.1	1.67	1.66	1.59
Department stores and general mail-order houses.....	45.94	45.75	44.73	34.8	34.4	35.5	1.32	1.33	1.26
Food and liquor stores.....	51.45	51.30	50.04	35.0	34.9	36.0	1.47	1.47	1.39
Automotive and accessories dealers.....	67.28	65.67	65.62	37.8	37.1	38.6	1.78	1.77	1.70
Apparel and accessories stores.....	84.73	85.17	82.97	43.9	43.9	43.9	1.93	1.94	1.89
Other retail trade:	50.13	50.05	48.36	35.3	35.0	35.3	1.42	1.43	1.37
Furniture and appliance stores.....	70.62	71.65	69.97	41.3	41.9	41.9	1.71	1.71	1.67
Lumber and hardware supply stores.....	75.83	75.65	74.30	42.6	42.5	43.2	1.78	1.78	1.72
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Banks and trust companies.....	64.26	63.80	62.11	-	-	-	-	-	-
Security dealers and exchanges.....	100.51	100.13	94.75	-	-	-	-	-	-
Insurance carriers.....	80.62	80.95	78.32	-	-	-	-	-	-
<b>SERVICE AND MISCELLANEOUS:</b>									
<b>Hotels and lodging places:</b>									
Hotels, year-round 5/.....	43.93	43.42	42.23	40.3	40.2	41.0	1.09	1.08	1.03
<b>Personal services:</b>									
Laundries.....	43.38	44.04	42.42	39.8	40.4	40.4	1.09	1.09	1.05
Cleaning and dyeing plants.....	49.66	52.40	49.90	38.2	40.0	39.6	1.30	1.31	1.26
Motion pictures:									
Motion-picture production and distribution.....	100.27	101.03	90.20	-	-	-	-	-	-

1/ Not available.

2/ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. During 1956 such employees made up 40 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data.

3/ 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. During 1956 such employees made up 27 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data.

4/ Data relate to domestic employees except messengers and those compensated entirely on a commission basis.

5/ Money payments only; additional value of board, room, uniforms, and tips, not included.

**Table C-2: Gross average weekly earnings of production workers in selected industries, in current and 1947-49 dollars**

Year	Manufacturing		Bituminous-coal mining		Laundries		Year and month	Manufacturing		Bituminous-coal mining		Laundries	
	Current	1947-49	Current	1947-49	Current	1947-49		Current	1947-49	Current	1947-49	Current	1947-49
Annual average:							Monthly data:						
1939.....	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	1956						
1940.....	25.20	42.07	24.71	41.25	17.93	29.93	July....	\$78.60	\$67.18	\$102.16	\$87.32	\$42.42	\$36.26
1941.....	29.58	47.03	30.86	49.06	18.69	29.71	Aug.....	79.79	68.31	102.49	87.75	41.90	35.87
1942.....	36.65	52.58	35.02	50.24	20.34	29.18	Sept....	81.81	69.86	106.12	90.62	42.61	36.39
1943.....	43.14	58.30	41.62	56.24	23.08	31.19	Oct.....	82.21	69.85	110.38	93.78	42.61	36.20
1944.....	46.08	61.28	51.27	68.18	25.95	34.51	Nov.....	82.22	69.80	106.79	90.65	42.29	35.90
1945.....	44.39	57.72	52.25	67.95	27.73	36.06	Dec.....	84.05	71.23	115.33	97.74	42.91	36.36
1946.....	43.82	52.54	58.03	69.58	30.20	36.21	1957						
1947.....	49.97	52.32	66.59	69.73	32.71	34.25	Jan.....	82.41	69.72	110.63	93.60	42.59	36.03
1948.....	54.14	52.67	72.12	70.16	34.23	33.30	Feb.....	82.41	69.43	112.51	94.79	42.59	35.88
1949.....	54.92	53.95	63.28	62.16	34.98	34.36	Mar.....	82.21	69.14	109.58	92.16	42.69	35.90
1950.....	59.33	57.71	70.35	68.43	35.47	34.50	Apr.....	81.59	68.39	111.74	93.66	43.20	36.21
1951.....	64.71	58.30	77.79	70.08	37.81	34.06	May.....	81.78	68.38	107.76	90.10	43.93	36.73
1952.....	67.97	59.89	78.09	68.80	38.63	34.04	June....	82.80	68.89	114.68	95.41	44.04	36.64
1953.....	71.69	62.67	85.31	74.57	39.69	34.69	July....	82.18	68.03	112.73	93.32	43.38	35.91
1954.....	71.86	62.60	80.85	70.43	40.10	34.93							
1955.....	76.52	66.83	96.26	84.07	40.70	35.55							
1956.....	79.99	68.84	106.22	91.41	42.32	36.42							

**Table C-3: Average weekly earnings, gross and net spendable, of production workers in manufacturing, in current and 1947-49 dollars**

Year	Gross average weekly earnings		Net spendable average weekly earnings				Year and month	Gross average weekly earnings		Net spendable average weekly earnings			
	Amount	Index (1947-49 = 100)	Worker with no dependents		Worker with 3 dependents			Amount	Index (1947-49 = 100)	Worker with no dependents		Worker with 3 dependents	
			Current	1947-49	Current	1947-49				Current	1947-49	Current	1947-49
Annual average:							Monthly data:						
1939.....	\$23.86	45.1	\$23.58	\$39.70	\$23.62	\$39.76	1956						
1940.....	25.20	47.6	24.69	41.22	24.95	41.65	July....	\$78.60	148.4	\$64.78	\$55.37	\$72.11	\$61.63
1941.....	29.58	55.9	28.05	44.59	29.28	46.55	Aug.....	79.79	150.7	65.71	56.26	73.06	62.55
1942.....	36.65	69.2	31.77	45.58	36.28	52.05	Sept....	81.81	154.5	67.30	57.47	74.70	63.79
1943.....	43.14	81.5	36.01	48.66	41.39	55.93	Oct.....	82.21	155.3	67.62	57.45	75.03	63.75
1944.....	46.08	87.0	38.29	50.92	44.06	58.59	Nov.....	82.22	155.3	67.63	57.41	75.04	63.70
1945.....	44.39	83.8	36.97	48.08	42.74	55.58	Dec.....	84.05	158.7	69.10	58.56	76.54	64.86
1946.....	43.82	82.8	37.72	45.23	43.20	51.80	1957						
1947.....	49.97	94.4	42.76	44.77	48.24	50.51	Jan.....	82.41	155.6	67.58	57.17	74.99	63.44
1948.....	54.14	102.2	47.43	46.14	53.17	51.72	Feb.....	82.41	155.6	67.58	56.93	74.99	63.18
1949.....	54.92	103.7	48.09	47.24	53.83	52.88	Mar.....	82.21	155.3	67.42	56.70	74.82	62.93
1950.....	59.33	112.0	51.09	49.70	57.21	55.65	Apr.....	81.59	154.1	66.93	56.10	74.31	62.29
1951.....	64.71	122.2	54.04	48.68	61.28	55.21	May.....	81.78	154.4	67.08	56.09	74.47	62.27
1952.....	67.97	128.4	55.66	49.04	63.62	56.05	June....	82.80	156.4	67.90	56.49	75.31	62.65
1953.....	71.69	135.4	58.54	51.17	66.58	58.20	July....	82.18	155.2	67.40	55.79	74.80	61.92
1954.....	71.86	135.7	59.55	51.87	66.78	58.17							
1955.....	76.52	144.5	63.15	55.15	70.45	61.53							
1956.....	79.99	151.1	65.86	56.68	73.22	63.01							

**Table C-4: Average hourly earnings, gross and excluding overtime, of production workers in manufacturing, by major industry group**

Major industry group	Gross average hourly earnings			Average hourly earnings, excluding overtime <sup>1/</sup>		
	July 1957	June 1957	July 1956	July 1957	June 1957	July 1956
<b>MANUFACTURING</b> .....	\$2.07	\$2.07	\$1.96	\$2.01	\$2.01	\$1.90
<b>DURABLE GOODS</b> .....	2.20	2.19	2.07	2.14	2.13	2.01
Ordnance and accessories.....	2.34	2.33	2.20	2.30	2.28	2.13
Lumber and wood products (except furniture).....	1.82	1.84	1.80	1.75	1.77	1.73
Furniture and fixtures.....	1.74	1.74	1.68	1.69	1.70	1.63
Stone, clay, and glass products.....	2.05	2.04	1.97	1.97	1.96	1.88
Primary metal industries.....	2.52	2.48	2.28	2.46	2.41	2.20
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	2.18	2.17	2.05	2.11	2.10	1.98
Machinery (except electrical).....	2.30	2.30	2.20	2.23	2.23	2.11
Electrical machinery.....	2.05	2.06	1.98	2.01	2.02	1.93
Transportation equipment.....	2.41	2.40	2.30	2.36	2.35	2.23
Instruments and related products.....	2.11	2.11	2.02	2.06	2.06	1.97
Miscellaneous manufacturing industries..	1.81	1.80	1.74	1.76	1.76	1.70
<b>NONDURABLE GOODS</b> .....	1.90	1.89	1.82	1.84	1.83	1.76
Food and kindred products.....	1.92	1.93	1.83	1.84	1.85	1.76
Tobacco manufactures.....	1.61	1.58	1.51	1.57	1.55	1.49
Textile-mill products.....	1.50	1.50	1.44	1.46	1.46	1.40
Apparel and other finished textile products.....	1.50	1.49	1.46	1.48	1.46	1.44
Paper and allied products.....	2.06	2.03	1.96	1.95	1.94	1.85
Printing, publishing, and allied industries <sup>2/</sup> .....	2.51	2.51	2.43	—	—	—
Chemicals and allied products.....	2.25	2.23	2.13	2.19	2.17	2.08
Products of petroleum and coal.....	2.69	2.66	2.56	2.61	2.60	2.49
Rubber products.....	2.26	2.23	2.16	2.16	2.15	2.09
Leather and leather products.....	1.53	1.54	1.49	1.51	1.52	1.47

<sup>1/</sup> Derived by assuming that the overtime hours shown in table 4 are paid for at the rate of time and one-half.

<sup>2/</sup> Average hourly earnings, excluding overtime, are not available separately for the printing, publishing, and allied industries group, as graduated overtime rates are found to an extent likely to make average overtime pay significantly above time and one-half. Inclusion of data for the industry in the nondurable-goods total has little effect.



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

(1947-49 = 100)

Year and month	TOTAL <sup>2/</sup>	Mining division	Contract construction division	Manufacturing division	Total: Durable goods	Total: Nondurable goods	Manufacturing - Durable goods	
							Ordnance and accessories	Lumber and wood products (except furniture)
1947: Average..	103.6	105.1	94.6	104.8	106.1	103.1	101.2	107.0
1948: Average..	103.4	105.4	103.4	103.2	104.1	102.1	107.6	102.7
1949: Average..	93.0	89.5	102.0	92.0	89.7	94.7	91.1	90.3
1950: Average..	101.5	91.0	109.1	101.1	102.7	99.2	107.4	99.6
1951: Average..	109.5	95.0	124.1	108.4	115.7	99.7	290.4	102.7
1952: Average..	109.7	90.9	127.5	108.4	116.6	98.6	625.0	96.9
1953: Average..	113.3	87.5	123.1	113.6	125.2	99.7	798.5	93.0
1954: Average..	101.9	77.4	118.9	101.1	107.5	93.5	509.7	84.7
1955: Average..	108.4	81.1	125.9	107.7	116.3	97.4	413.2	91.1
1956: Average..	110.3	84.7	138.0	108.1	117.2	97.2	375.3	88.8
1956: July.....	106.8	78.3	154.6	101.8	107.8	94.8	368.7	92.7
Aug.....	113.2	86.4	161.1	108.1	115.1	99.8	355.0	97.5
Sept.....	114.7	88.3	160.7	109.9	117.3	101.1	371.8	93.7
Oct.....	115.2	86.9	157.7	111.0	120.2	100.2	373.6	91.4
Nov.....	112.6	85.2	144.2	109.9	120.2	97.6	371.9	85.8
Dec.....	112.5	87.7	135.9	110.8	122.0	97.4	380.4	81.8
1957: Jan.....	106.4	85.1	112.0	107.0	117.9	94.0	366.3	76.2
Feb.....	107.2	85.3	119.8	106.9	117.7	94.0	360.9	76.3
Mar.....	107.0	84.3	123.0	106.3	116.8	93.7	355.6	77.0
Apr.....	106.5	84.0	131.1	104.5	115.1	91.9	350.9	80.1
May.....	107.0	83.8	141.4	103.7	114.0	91.4	337.0	84.0
June.....	109.5	88.1	151.5	104.9	114.7	93.2	333.9	87.8
July.....	108.2	87.0	154.8	102.9	110.7	93.7	315.2	83.3
Manufacturing - Durable goods - Continued								
Year and month	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries	Fabricated metal products	Machinery (except electrical)	Electrical machinery	Transportation equipment	
1947: Average..	103.3	102.8	105.4	106.7	108.3	111.1	102.9	
1948: Average..	104.6	103.9	106.6	103.8	106.6	102.9	100.9	
1949: Average..	92.1	93.3	88.0	89.4	85.1	86.0	96.3	
1950: Average..	111.5	102.9	104.1	106.5	94.0	107.6	106.1	
1951: Average..	105.9	111.4	115.7	115.8	116.9	123.7	124.5	
1952: Average..	106.2	104.3	104.6	112.1	118.4	131.2	138.0	
1953: Average..	108.5	106.6	113.9	123.4	119.0	147.1	158.6	
1954: Average..	96.7	99.2	94.2	108.8	100.9	123.1	134.3	
1955: Average..	106.6	108.2	110.1	118.0	106.4	130.6	147.2	
1956: Average..	107.4	109.3	110.5	116.3	115.6	138.6	139.0	
1956: July.....	101.7	108.2	74.2	106.6	112.4	132.8	130.2	
Aug.....	108.3	110.9	106.7	111.6	112.5	138.0	128.8	
Sept.....	110.6	108.9	114.5	117.1	114.4	142.0	127.6	
Oct.....	111.7	111.2	113.9	121.1	114.0	145.8	141.3	
Nov.....	107.3	109.3	113.3	119.7	113.7	145.8	151.6	
Dec.....	109.3	108.2	115.3	121.4	117.4	144.7	161.0	
1957: Jan.....	102.9	103.3	114.3	117.2	116.3	139.2	154.1	
Feb.....	104.0	103.2	111.6	117.6	117.2	138.7	153.8	
Mar.....	104.0	103.9	109.7	116.9	116.5	137.2	151.3	
Apr.....	102.2	104.1	108.0	115.5	114.0	133.9	146.5	
May.....	99.7	105.4	106.6	114.7	111.4	132.4	142.9	
June.....	102.1	106.2	108.1	116.0	109.8	134.5	141.7	
July.....	99.9	100.9	105.6	112.8	105.9	131.3	135.8	

See footnotes at end of table.

**Table C-5. Indexes of aggregate weekly man-hours in industrial and construction activity <sup>1/</sup> Continued**

(1947-49 = 100)

Year and month	Manufacturing - Durable goods-Con.			Manufacturing - Nondurable goods		
	Instruments and related products	Miscellaneous manufacturing industries	Food and kindred products	Tobacco manufactures	Textile-mill products	Apparel and other finished textile products
1947: Average..	107.5	104.6	103.9	105.9	104.5	99.6
1948: Average..	103.0	104.2	100.0	101.0	105.7	101.6
1949: Average..	89.5	91.2	96.1	93.1	89.9	98.8
1950: Average..	97.4	101.3	95.2	89.2	100.1	103.0
1951: Average..	117.5	103.1	95.9	91.2	96.0	101.9
1952: Average..	122.7	100.5	94.7	92.2	90.7	104.5
1953: Average..	129.9	109.5	93.7	90.1	89.8	106.9
1954: Average..	115.9	98.8	90.5	88.5	78.7	98.8
1955: Average..	117.5	104.2	90.5	90.3	83.1	104.9
1956: Average..	121.1	105.5	90.7	85.6	80.6	104.5
1956: July.....	118.0	98.4	93.6	72.8	75.8	97.7
Aug.....	121.0	106.2	102.8	94.9	79.0	105.9
Sept.....	123.0	109.5	107.8	107.6	79.1	103.9
Oct.....	123.8	112.6	99.8	101.6	80.9	106.3
Nov.....	123.2	109.4	92.9	92.4	80.8	104.9
Dec.....	123.3	105.6	87.9	91.9	80.3	105.5
1957: Jan.....	121.4	98.3	81.6	85.0	77.0	102.6
Feb.....	121.5	99.4	79.2	80.0	76.9	106.3
Mar.....	121.0	100.5	78.8	72.0	76.0	106.7
Apr.....	120.0	98.9	79.2	67.2	74.8	101.6
May.....	117.1	98.7	81.1	70.6	73.7	99.1
June.....	117.0	100.0	86.5	70.2	74.7	99.6
July.....	114.3	94.2	92.0	69.5	72.8	98.6
	Manufacturing - Nondurable goods - Continued					
Year and month	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Products of petroleum and coal	Rubber products	Leather and leather products
1947: Average..	102.6	101.4	103.3	99.0	109.8	105.8
1948: Average..	102.3	100.5	102.6	102.7	102.0	100.8
1949: Average..	95.1	98.0	94.1	98.3	88.1	93.4
1950: Average..	105.4	99.5	97.2	97.3	101.9	97.8
1951: Average..	109.9	101.6	105.5	102.1	108.5	92.1
1952: Average..	105.9	102.7	104.7	98.2	108.4	96.9
1953: Average..	111.6	105.4	108.1	100.9	111.6	96.5
1954: Average..	109.3	104.7	103.5	95.8	96.4	89.9
1955: Average..	114.4	108.7	107.0	94.5	112.4	95.5
1956: Average..	116.9	113.0	107.9	94.6	106.7	94.4
1956: July.....	116.6	111.0	105.1	94.4	101.3	94.2
Aug.....	117.7	112.9	105.8	96.9	103.9	95.6
Sept.....	119.0	114.7	107.5	97.8	106.9	91.4
Oct.....	118.3	116.3	107.7	95.2	110.1	91.2
Nov.....	117.9	115.1	107.3	95.2	98.8	91.1
Dec.....	119.1	116.8	107.9	94.6	112.3	93.8
1957: Jan.....	116.3	112.6	107.2	93.6	111.1	94.0
Feb.....	115.8	112.8	106.9	93.8	109.2	95.9
Mar.....	115.8	114.5	107.3	93.1	107.2	95.6
Apr.....	115.6	113.8	107.1	94.7	96.2	90.7
May.....	114.6	112.7	106.1	94.2	102.7	86.8
June.....	116.2	112.8	104.2	95.0	101.1	92.7
July.....	114.2	111.6	103.0	97.4	103.5	93.0

<sup>1/</sup> Aggregate man-hours are for the weekly pay period ending nearest the 15th of the month and do not represent totals for the month. For mining and manufacturing industries, data refer to production and related workers. For contract construction, the data relate to construction workers.

<sup>2/</sup> Includes only the divisions shown.

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
ALABAMA.....	\$68.89	\$68.85	\$59.90	38.7	38.9	38.4	\$1.78	\$1.77	\$1.56
Birmingham.....	91.60	88.84	75.01	40.0	40.2	39.9	2.29	2.21	1.88
Mobile.....	(1/)	85.20	78.55	(1/)	40.0	40.7	(1/)	2.13	1.93
ARIZONA.....	90.76	89.20	89.89	40.7	40.0	42.4	2.23	2.23	2.12
Phoenix.....	88.88	86.46	89.68	40.4	39.3	42.5	2.20	2.20	2.11
ARKANSAS.....	58.03	57.38	56.54	40.3	39.3	40.1	1.44	1.46	1.41
Little Rock- W. Little Rock.....	58.87	58.58	54.67	40.6	40.4	40.2	1.45	1.45	1.36
CALIFORNIA.....	92.38	93.42	89.80	39.8	40.1	40.5	2.32	2.33	2.22
Fresno.....	77.12	79.66	78.08	37.0	38.0	39.1	2.09	2.10	2.00
Los Angeles-Long Beach...	93.08	93.59	89.64	40.3	40.5	40.8	2.31	2.31	2.20
Sacramento.....	94.43	87.15	93.59	38.3	35.7	40.2	2.47	2.44	2.33
San Bernardino- Riverside-Ontario.....	93.30	93.32	87.37	40.2	40.5	40.6	2.32	2.31	2.15
San Diego.....	92.22	92.61	93.26	40.4	40.7	41.7	2.28	2.27	2.24
San Francisco-Oakland....	95.87	96.50	91.52	39.1	39.6	39.4	2.45	2.43	2.32
San Jose.....	88.22	94.66	87.07	40.5	40.4	42.0	2.18	2.34	2.07
Stockton.....	87.44	83.92	87.48	40.5	38.5	41.7	2.16	2.18	2.10
COLORADO.....	88.60	89.46	80.77	41.4	42.0	41.0	2.14	2.13	1.97
Denver.....	88.97	86.88	84.67	41.0	40.6	41.3	2.17	2.14	2.05
CONNECTICUT.....	84.45	84.45	81.18	40.6	40.6	41.0	2.08	2.08	1.98
Bridgeport.....	87.89	87.89	84.46	40.5	40.5	41.2	2.17	2.17	2.05
Hartford.....	87.76	87.34	87.54	41.2	41.2	42.7	2.13	2.12	2.05
New Britain.....	82.01	82.82	78.60	40.2	40.6	40.1	2.04	2.04	1.96
New Haven.....	80.60	81.41	77.74	40.1	40.5	40.7	2.01	2.01	1.91
Stamford.....	87.67	85.60	83.16	40.4	40.0	39.6	2.17	2.14	2.10
Waterbury.....	84.45	84.04	81.19	40.6	40.6	40.8	2.08	2.07	1.99
DELAWARE.....	85.89	84.67	75.81	40.9	41.3	39.9	2.10	2.05	1.90
Wilmington.....	96.93	95.82	89.95	40.9	40.6	39.8	2.37	2.36	2.26
DISTRICT OF COLUMBIA: Washington.....	84.97	87.74	81.93	38.8	39.7	39.2	2.19	2.21	2.09
FLORIDA.....	64.55	65.20	63.55	39.6	40.5	41.0	1.63	1.61	1.55
Jacksonville.....	(1/)	72.57	67.43	(1/)	41.0	39.9	(1/)	1.77	1.69
Miami.....	(1/)	63.69	64.31	(1/)	38.6	40.7	(1/)	1.65	1.58
Tampa-St. Petersburg....	(1/)	64.00	61.91	(1/)	40.0	40.2	(1/)	1.60	1.54
GEORGIA.....	58.59	59.13	56.02	38.8	38.9	38.9	1.51	1.52	1.44
Atlanta.....	72.91	74.80	69.65	39.2	40.0	39.8	1.86	1.87	1.75
Savannah.....	80.34	81.25	79.10	41.2	42.1	42.3	1.95	1.93	1.87
IDAHO.....	86.71	87.78	88.74	40.9	41.8	43.5	2.12	2.10	2.04
ILLINOIS.....	88.02	88.81	84.17	40.1	40.5	40.4	2.20	2.19	2.08
Chicago.....	(1/)	92.97	87.18	(1/)	40.4	40.5	(1/)	2.30	2.15
Peoria.....	(1/)	91.26	88.12	(1/)	40.3	40.9	(1/)	2.26	2.15
Rockford.....	(1/)	93.36	85.93	(1/)	42.8	41.9	(1/)	2.18	2.05
INDIANA.....	90.79	91.23	82.83	40.0	40.4	40.2	2.27	2.26	2.06
IOWA.....	81.40	81.57	74.95	39.7	39.8	39.9	2.05	2.05	1.92
Des Moines.....	86.07	88.16	75.15	38.6	39.5	36.1	2.23	2.23	2.08

See footnotes at end of table.

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
KANSAS.....	\$87.12	\$85.89	\$83.72	41.4	41.2	41.8	\$2.10	\$2.08	\$2.00
Topeka.....	(1/)	82.65	80.26	(1/)	40.8	41.6	(1/)	2.03	1.93
Wichita.....	(1/)	89.00	86.86	(1/)	41.1	41.8	(1/)	2.16	2.08
KENTUCKY.....	(1/)	79.68	72.69	(1/)	40.3	39.7	(1/)	1.98	1.83
Louisville.....	(1/)	90.12	81.78	(1/)	41.1	40.0	(1/)	2.19	2.04
LOUISIANA.....	80.16	78.55	76.86	40.9	40.7	41.1	1.96	1.93	1.87
Baton Rouge.....	101.79	103.42	108.79	39.0	40.4	40.9	2.61	2.56	2.66
New Orleans.....	81.39	79.90	74.61	40.9	41.4	39.9	1.99	1.93	1.87
MAINE.....	65.74	63.85	63.08	41.0	40.0	40.2	1.60	1.60	1.57
Lewiston.....	56.24	55.00	56.11	38.5	37.5	38.5	1.46	1.47	1.46
Portland.....	69.70	69.06	72.48	40.9	40.6	43.2	1.71	1.70	1.68
MARYLAND.....	80.71	83.64	77.11	39.4	40.7	40.7	2.05	2.05	1.90
Baltimore.....	85.24	88.54	82.07	39.6	41.2	41.1	2.15	2.15	2.00
MASSACHUSETTS.....	74.26	74.82	71.06	39.5	39.8	39.7	1.88	1.88	1.79
Boston.....	79.00	79.60	74.26	39.5	40.0	39.5	2.00	1.99	1.88
Fall River.....	54.83	54.15	53.87	36.8	36.1	36.9	1.49	1.50	1.46
New Bedford.....	60.92	59.66	56.46	38.8	38.0	36.9	1.57	1.57	1.53
Springfield-Holyoke.....	81.20	80.40	77.93	40.4	40.2	40.8	2.01	2.00	1.91
Worcester.....	81.41	83.23	78.76	40.3	41.0	40.6	2.02	2.03	1.94
MICHIGAN.....	97.70	97.56	93.83	39.7	39.9	40.6	2.46	2.45	2.31
Detroit.....	101.35	103.02	100.12	38.8	39.7	40.8	2.61	2.60	2.45
Flint.....	101.42	98.63	95.88	39.6	39.2	40.2	2.56	2.52	2.39
Grand Rapids.....	88.59	88.70	85.61	39.8	40.1	40.4	2.23	2.21	2.12
Lansing.....	97.41	96.30	94.92	38.9	38.8	40.1	2.50	2.48	2.37
Muskegon.....	90.56	88.67	88.16	39.1	38.5	39.5	2.32	2.30	2.23
Saginaw.....	92.58	93.19	88.86	39.7	40.1	40.5	2.33	2.32	2.19
MINNESOTA.....	(1/)	(1/)	79.48	(1/)	(1/)	40.4	(1/)	(1/)	1.97
Duluth.....	(1/)	(1/)	76.46	(1/)	(1/)	38.1	(1/)	(1/)	2.01
Minneapolis-St. Paul.....	(1/)	(1/)	83.30	(1/)	(1/)	40.6	(1/)	(1/)	2.05
MISSISSIPPI.....	56.80	55.46	53.60	40.0	39.9	40.0	1.42	1.39	1.34
Jackson.....	62.88	61.76	61.01	41.1	40.9	41.5	1.53	1.51	1.47
MISSOURI.....	77.42	78.39	75.28	39.3	39.5	39.8	1.97	1.98	1.89
Kansas City.....	(1/)	85.10	79.43	(1/)	39.9	39.4	(1/)	2.13	2.01
St. Louis.....	86.50	87.29	83.49	39.9	40.0	40.2	2.17	2.18	2.08
MONTANA.....	88.29	88.09	91.21	39.4	39.2	40.6	2.24	2.25	2.25
NEBRASKA.....	(1/)	79.37	73.55	(1/)	42.6	41.8	(1/)	1.87	1.76
Omaha.....	(1/)	84.28	78.24	(1/)	42.0	41.8	(1/)	2.01	1.87
NEVADA.....	95.38	97.15	95.23	37.7	38.4	38.4	2.53	2.53	2.48
NEW HAMPSHIRE.....	64.32	65.44	63.80	40.2	40.9	40.9	1.60	1.60	1.56
Manchester.....	59.52	60.37	57.60	38.9	39.2	38.4	1.53	1.54	1.50

See footnotes at end of table.

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
NEW JERSEY.....	\$85.51	\$85.61	\$82.53	39.9	40.1	40.2	\$2.14	\$2.14	\$2.05
Newark-Jersey City 2/...	86.49	86.60	82.72	39.8	40.0	40.0	2.17	2.16	2.07
Paterson 2/.....	84.96	85.97	82.42	40.4	40.9	40.7	2.10	2.10	2.02
Perth Amboy 2/.....	88.80	87.06	85.91	40.2	40.1	40.6	2.21	2.17	2.12
Trenton.....	85.80	84.60	80.12	40.3	40.0	40.2	2.13	2.11	1.99
NEW MEXICO.....	87.45	90.45	86.10	40.3	41.3	41.0	2.17	2.19	2.10
Albuquerque.....	90.52	92.01	81.60	42.3	42.4	40.8	2.14	2.17	2.00
NEW YORK.....	81.81	81.49	78.99	39.0	39.2	39.5	2.10	2.08	2.00
Albany-Schenectady-Troy.	90.38	90.79	86.22	40.0	39.9	40.6	2.26	2.27	2.12
Binghamton.....	74.07	75.00	73.97	39.1	39.6	39.4	1.90	1.89	1.88
Buffalo.....	97.51	96.63	92.46	40.3	40.4	40.8	2.42	2.39	2.27
Elmira.....	80.81	81.10	76.91	40.2	40.3	39.9	2.01	2.01	1.93
Nassau and Suffolk Counties 2/.....	87.14	87.94	90.70	39.5	40.0	41.8	2.21	2.20	2.17
New York-Northeastern New Jersey.....	81.45	81.51	79.37	38.6	39.0	39.1	2.11	2.09	2.03
New York City 2/.....	77.52	76.80	75.56	37.5	37.8	37.9	2.07	2.03	1.99
Rochester.....	87.34	87.07	86.15	40.2	40.0	40.7	2.18	2.18	2.12
Syracuse.....	84.58	84.52	82.56	40.0	40.5	41.6	2.12	2.09	1.99
Utica-Rome.....	81.83	80.64	78.55	40.6	40.6	41.1	2.01	1.99	1.91
Westchester County 2/...	82.77	86.97	78.65	39.9	41.3	39.8	2.08	2.11	1.98
NORTH CAROLINA.....	55.34	55.20	53.18	38.7	38.6	39.1	1.43	1.43	1.36
Charlotte.....	61.35	61.97	56.06	40.1	40.5	39.2	1.53	1.53	1.43
Greensboro-High Point...	53.42	54.09	52.30	37.1	37.3	37.9	1.44	1.45	1.38
NORTH DAKOTA.....	81.94	78.27	75.74	44.7	42.8	44.5	1.83	1.83	1.70
Fargo.....	87.42	82.07	82.87	45.6	42.3	44.6	1.92	1.94	1.86
OHIO.....	93.99	93.05	88.73	40.2	40.1	40.6	2.34	2.32	2.19
Akron.....	102.09	98.62	92.73	41.1	40.2	39.2	2.48	2.45	2.37
Canton.....	89.77	89.66	86.14	37.8	39.3	39.9	2.37	2.28	2.16
Cincinnati.....	84.65	85.28	83.05	39.5	39.9	40.8	2.14	2.14	2.04
Cleveland.....	97.40	95.35	92.36	40.7	40.3	41.2	2.39	2.37	2.24
Columbus.....	91.33	88.75	84.52	41.4	40.6	40.2	2.21	2.19	2.10
Dayton.....	101.20	100.01	97.49	40.5	40.2	41.1	2.50	2.49	2.37
Toledo.....	95.61	96.49	91.60	39.4	40.4	40.0	2.43	2.39	2.29
Youngstown.....	107.01	102.18	94.86	40.4	39.0	41.1	2.65	2.62	2.31
OKLAHOMA.....	81.39	80.98	78.66	40.9	40.9	41.4	1.99	1.98	1.90
Oklahoma City.....	78.31	79.85	75.58	42.1	42.7	42.7	1.86	1.87	1.77
Tulsa.....	87.64	87.60	84.05	40.2	40.0	41.0	2.18	2.19	2.05
OREGON.....	87.85	92.04	89.86	37.8	39.4	38.7	2.32	2.34	2.32
Portland.....	(1/)	88.34	86.07	(1/)	38.9	38.7	(1/)	2.27	2.22
PENNSYLVANIA.....	83.74	83.18	76.81	39.5	39.8	39.8	2.12	2.09	1.93
Allentown-Bethlehem- Easton.....	82.16	79.13	73.58	39.5	38.6	39.9	2.08	2.05	1.85
Erie.....	86.03	87.54	84.33	40.2	41.1	41.5	2.14	2.13	2.03
Harrisburg.....	77.81	75.83	67.37	39.9	39.7	39.4	1.95	1.91	1.71
Lancaster.....	70.98	71.91	67.68	40.1	40.4	40.0	1.77	1.78	1.69
Philadelphia.....	86.40	86.00	82.17	40.0	40.0	40.2	2.16	2.15	2.04
Pittsburgh.....	102.26	101.05	90.74	40.1	40.1	39.8	2.55	2.52	2.28
Reading.....	73.26	74.21	73.16	39.6	39.9	40.2	1.85	1.86	1.82
Scranton.....	61.24	61.66	58.98	37.8	38.3	38.2	1.62	1.61	1.54
Wilkes-Barre-Hazleton..	58.40	58.13	55.39	37.2	37.5	37.1	1.57	1.55	1.49
York 3/.....	69.08	69.03	67.39	40.4	37.9	40.4	1.71	1.73	1.67

See footnotes at end of table.

Table C-6: Hours and gross earnings of production workers in manufacturing industries for selected States and areas - Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	July	June	July	July	June	July	July	June	July
RHODE ISLAND.....	\$67.51	\$68.51	\$66.13	39.2	40.0	39.6	\$1.72	\$1.71	\$1.67
Providence.....	67.55	68.80	66.33	39.5	40.0	40.2	1.71	1.72	1.65
SOUTH CAROLINA.....	56.16	56.45	54.79	39.0	39.2	39.7	1.44	1.44	1.38
Charleston.....	66.34	62.41	64.40	40.7	39.5	40.5	1.63	1.58	1.59
SOUTH DAKOTA.....	80.08	80.20	74.66	45.2	44.9	44.5	1.77	1.79	1.68
Sioux Falls.....	86.72	87.43	81.44	45.8	46.1	46.0	1.89	1.90	1.77
TENNESSEE.....	(1/)	65.50	63.04	(1/)	39.7	39.4	(1/)	1.65	1.60
Chattanooga.....	68.23	68.17	63.14	39.9	40.1	38.5	1.71	1.70	1.64
Knoxville.....	77.62	77.22	72.37	39.2	39.2	38.7	1.98	1.97	1.87
Memphis.....	73.53	72.58	70.11	40.4	40.1	41.0	1.82	1.81	1.71
Nashville.....	67.54	67.03	64.80	40.2	39.9	40.0	1.68	1.68	1.62
TEXAS.....	86.11	85.28	80.93	41.4	41.6	41.5	2.08	2.05	1.95
Dallas.....	76.92	77.93	75.21	40.7	40.8	41.1	1.89	1.91	1.83
Fort Worth.....	92.10	94.75	90.31	41.3	42.3	42.8	2.23	2.24	2.11
Houston.....	98.88	97.86	91.57	41.9	42.0	42.2	2.36	2.33	2.17
San Antonio.....	61.50	60.79	58.75	41.0	40.8	40.8	1.50	1.49	1.44
UTAH.....	89.44	90.85	76.83	41.6	40.2	39.4	2.15	2.26	1.95
Salt Lake City.....	86.92	88.58	83.83	41.0	41.2	41.5	2.12	2.15	2.02
VERMONT.....	67.46	69.02	67.68	40.5	41.3	42.3	1.67	1.67	1.60
Burlington.....	64.32	64.65	61.10	39.9	39.7	41.1	1.61	1.63	1.49
Springfield.....	76.28	81.20	85.65	38.6	40.5	44.4	1.97	2.00	1.93
VIRGINIA.....	65.61	64.88	61.75	40.5	40.3	40.1	1.62	1.61	1.54
Norfolk-Portsmouth.....	68.85	71.05	65.18	39.8	40.6	39.5	1.73	1.75	1.65
Richmond.....	73.63	73.21	68.71	41.6	40.9	40.9	1.77	1.79	1.68
WASHINGTON.....	89.36	90.28	89.80	38.4	38.8	39.2	2.33	2.33	2.29
Seattle.....	88.29	87.39	89.07	38.1	37.8	39.2	2.32	2.31	2.27
Spokane.....	94.69	94.52	93.20	39.4	39.5	40.2	2.40	2.39	2.32
Tacoma.....	86.71	89.97	84.14	37.6	39.2	37.4	2.30	2.29	2.25
WEST VIRGINIA.....	84.28	81.90	78.92	39.2	39.0	38.5	2.15	2.10	2.05
Charleston.....	102.50	99.88	98.74	41.5	40.6	40.8	2.47	2.46	2.42
WISCONSIN.....	(1/)	86.53	82.43	(1/)	41.1	41.6	(1/)	2.11	1.98
Kenosha.....	(1/)	88.77	81.95	(1/)	39.1	38.0	(1/)	2.27	2.15
La Crosse.....	(1/)	89.24	81.68	(1/)	40.8	40.9	(1/)	2.19	2.00
Madison.....	(1/)	94.25	86.29	(1/)	40.8	40.0	(1/)	2.31	2.16
Milwaukee.....	(1/)	95.24	93.51	(1/)	40.7	41.6	(1/)	2.34	2.25
Racine.....	(1/)	88.24	82.86	(1/)	39.6	39.3	(1/)	2.23	2.11
WYOMING.....	91.94	93.12	90.72	39.8	38.8	40.5	2.31	2.40	2.24
Casper.....	119.56	115.42	110.09	42.7	40.5	41.7	2.80	2.85	2.64

1/ Not available.

2/ Subarea of New York-Northeastern New Jersey.

3/ Revised series; not strictly comparable with previously published data.

# Explanatory Notes

## INTRODUCTION

The statistics for nonfarm industries presented in this monthly report are part of the broad program of the Bureau of Labor Statistics to provide timely, comprehensive, accurate, and detailed information for the use of businessmen, government officials, legislators, labor unions, research workers, and the general public. The statistics are an integral part of the Federal statistical system, and are considered basic indicators of the state of the Nation's economy. They are widely used in following and interpreting business developments and in making decisions in such fields as labor-management negotiations, marketing, personnel, plant location, and government policy. In addition, Government agencies use the data in this report to compile official indexes of production, labor productivity, and national income.

## ESTABLISHMENT REPORTS:

### a. Collection

The employment statistics program, which is based on establishment payroll reports, provides current data for both full- and part-time workers on payrolls of nonagricultural establishments (see glossary for definition, p. 7-E) during a specified period each month. The BLS uses two "shuttle" schedules for this program, the BLS Form 790 (for employment, payroll, and man-hours data) and the Form 1219 (for labor turnover data). The shuttle schedule, used by BLS for more than 25 years, is designed to assist firms to report consistently, accurately, and with a minimum of cost. The questionnaire provides space for the establishment to report for each month of the current calendar year; in this way, the employer uses the same schedule for the entire year.

Under a cooperative arrangement with the BLS, 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 Division of Manpower and Employment Statistics for use in preparing the national series.

### b. 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. For manufacturing establishments, a product supplement to the monthly 790 report is used. The supplement provides for reporting the percentage of total sales represented by each product. Information for nonmanufacturing establishments is collected on the 790 form itself. In the case of an establishment making more than one product

or engaging in more than one activity, the entire employment of the unit is included under the industry indicated by the most important product or activity. The titles and descriptions of industries presented in the Standard Industrial Classifical Manual, (U. S. Bureau of the Budget, Washington, D. C.) are used for classifying reports from manufacturing and government establishments; the 1942 Industrial Classification Code, (U. S. Social Security Board) for reports from all other establishments.

### c. Coverage

Monthly reports on employment and, for most industries, payroll and man-hours are obtained from approximately 180,000 establishments. (See table below.) The table also 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 <sup>1/</sup>

Industry division	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Mining.....	3,500	393,000	47
Contract construction..	22,000	860,000	26
Manufacturing.....	43,900	11,779,000	69
Transportation and public utilities:			
Interstate railroads (IGG).....	—	1,152,000	97
Other transportation and public utilities.	15,700	1,693,000	57
Wholesale and retail trade.....	65,100	2,244,000	20
Finance, insurance, and real estate.....	12,900	757,000	33
Service and miscellaneous.....	11,400	848,000	13
Government:			
Federal (Civil Service Commission) <sup>2/</sup> .....	—	2,196,000	100
State and local.....	5,800	3,148,000	63

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

<sup>2/</sup> 1,900 reports covering 1,305,000 employees, collected through the BLS-State cooperating program, are used in preparing State and area estimates.

Labor turnover reports are received from approximately 10,000 cooperating establishments in the manufacturing, mining, and communication industries (see table below). The definition of manufacturing used in the turnover series is not as extensive as in the BLS series on employment and hours and earnings because of the exclusion of the following major industries from the labor turnover sample: printing, publishing, and allied industries (since April 1943); canning and preserving fruits, vegetables, and sea foods; women's and misses' outerwear; and fertilizer.

Approximate size and coverage of BLS labor turnover sample used in computing national rates

Group and industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Manufacturing.....	10,200	5,994,000	39
Durable goods.....	6,400	4,199,000	43
Nondurable goods....	3,800	1,795,000	32
Metal mining.....	120	57,000	53
Coal mining:			
Anthracite.....	20	6,000	19
Bituminous.....	200	71,000	32
Communication:			
Telephone.....	(1/)	661,000	88
Telegraph.....	(1/)	28,000	65

1/ Does not apply.

## DEFINITIONS AND ESTIMATING METHODS:

### A. EMPLOYMENT

#### Definition

Employment data for all except Federal Government establishments refer to persons who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. For Federal Government establishments current data generally refer to persons who worked on, or received pay for, the last day of the month.

Persons on an establishment payroll who are on paid sick leave, paid holiday, or paid vacation, or who work during a part of the specified pay period and are unemployed or on strike during the other part of the period are counted as employed. Persons are not considered employed who are laid off or are on leave without pay, who are on strike for the entire period, or who are hired but do not report to work during the period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households are also excluded. Government employment covers only civilian employees; Federal military personnel are shown separately, but their number is excluded from total nonagricultural employment.

With respect to employment in educational institutions (private and governmental), BLS considers regular full-time teachers to be employed during the summer vacation period whether or not they are specifically paid in those months.

#### Benchmark Data

Employment estimates are periodically compared with complete counts of employment in the various nonagri-

cultural industries, and appropriate adjustments made as indicated by the total counts or benchmarks. The comparison made for the first 3 months of 1956 resulted in changes amounting to 0.5 percent of all nonagricultural employment, as against 0.8 percent in the first quarter 1955 benchmark adjustment. Changes ranged from 0.1 to 2.1 percent for 6 of the 8 major industry divisions; for the other 2, service and miscellaneous industries required an adjustment of 3.4 percent, contract construction 4.3 percent. The manufacturing total was changed by only 0.1 percent. Within manufacturing the benchmark and estimate differed by 1.0 percent or less in 53 of the 132 individual industries, 39 industries were adjusted by 1.1 to 2.5 percent, and an additional 22 industries differed by 2.6 to 5.0 percent. One significant cause of differences between the benchmark and estimate is the change in industrial classification of individual firms, which cannot be reflected in BLS estimates until they are adjusted to new benchmarks. Other causes are sampling and response errors.

The basic sources of benchmark information are the quarterly tabulations of employment data, by industry, compiled by State agencies from reports of establishments covered under State unemployment insurance laws. Supplementary tabulations prepared by the U. S. Bureau of Old Age and Survivors Insurance are used for the group of establishments exempt from State unemployment insurance laws because of their small size. Benchmarks for industries wholly or partly excluded from the unemployment insurance laws are derived from a variety of other sources.

The BLS estimates which are prepared for the benchmark quarter are compared with the new benchmark levels, industry by industry. Where revisions are necessary, the monthly estimates are adjusted between the new benchmark and the preceding one. Following revision for these intermediate periods, the industry data from the most recent benchmark are projected to the current month by use of the sample trends. 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.

#### Estimating Method

The estimating procedure for industries for which data on both "all employees" and "production and related workers" are published (manufacturing and selected mining industries) is outlined below; the first step under this method is also used for industries for which only figures on "all employees" are published.

The first step is to compute total employment (all employees) in the industry for the month following the benchmark period. The all-employee total for the last benchmark month (e.g., March) is multiplied by the percent change of total employment over the month for the group of establishments reporting for both March and April. Thus, if firms in the BLS sample for an industry report 30,000 employees in March and 31,200 in April, April employment is 104 percent (31,200 divided by 30,000) of March employment. If the all-employee benchmark in March is 40,000, the all-employee total in April would be 104 percent of 40,000 or 41,600.

The second step is to compute the production-worker total for the industry. The all-employee total for the month is multiplied by the ratio of production



workers to all employees. This ratio is computed from establishment reports in the monthly sample. Thus, if these firms in April report 24,960 production workers and a total of 31,200 employees, the ratio of production workers to all employees would be .80 (24,960 divided by 31,200). The production-worker total in April would be 33,280 (41,600 multiplied by .80).

Figures for subsequent months are computed by carrying forward the totals for the previous month according to the method described above.

The number of women employees in manufacturing, published quarterly, is computed by multiplying the all-employee estimate for the industry by the ratio of women to all employees as reported in the industry sample.

#### Employment Adjusted for Seasonal Variation

Employment series for many industries reflect a regularly recurring seasonal movement which can be measured on the basis of past experience. By eliminating that part of the change in employment which can be ascribed to usual seasonal variation, it is possible to clarify the cyclical and other nonseasonal movements in the series. Adjusted employment aggregates are shown and also indexes (1947-49 = 100) derived from these aggregates. The indexes have the additional advantage of comparing the current seasonally adjusted employment level with average employment in the base period.

#### Comparability with Other Employment Estimates

Employment data published by other government and private agencies may differ from BLS employment statistics because of differences in definition, sources of information, methods of collection, classification, and estimation. BLS monthly figures are not directly comparable, for example, with the estimates of the Census Monthly Report on the Labor Force (MRLF). Census data are obtained by personal interviews with individual members of a small sample of households and are designed to provide information on the work status of the whole population, classified by their demographic characteristics. The BLS, on the other hand, obtains data by mail questionnaire which are based on the payroll records of business units, and prepares detailed statistics on the industrial and geographic distribution of employment and on hours of work and earnings.

Since BLS employment figures are derived from establishment payroll records, persons who worked in more than one establishment during the reporting period will be counted more than once in the BLS series. By definition, proprietors, self-employed persons, domestic servants, and unpaid family workers are excluded from the BLS but not the MRLF series.

Employment estimates compiled by the Bureau of the Census from its censuses and/or annual sample surveys of manufacturing establishments also differ from BLS employment statistics. Among the important reasons for lack of comparability are differences in industries covered, in the business units considered parts of an establishment, and in the industrial classification of establishments. Similar differences exist between the BLS data and those in County Business Patterns published jointly by the U.S. Department of Commerce and the U.S. Department of Health, Education and Welfare.

## B. LABOR TURNOVER

### Definition

"Labor turnover," as used in the BLS program, refers to the gross movement of wage and salary workers into and out of employment status with respect to individual firms during a calendar month. This movement is subdivided 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. All employees, including executive, office, sales, other salaried personnel, and production workers, are covered by both the turnover movements and the employment base used in computing labor turnover rates. All groups of employees--full- and part-time, permanent, and temporary--are included. Transfers from one establishment to another within a company are not considered to be turnover items.

### Method of Computation

To compute turnover rates for individual industries, the total number of each type of action (accessions, quits, etc.) reported for a calendar month by the sample establishments in each industry is first divided by the total number of employees reported by these establishments, who worked during, or received pay for, any part of the pay period ending nearest the 15th of that month. The result is multiplied by 100 to obtain the turnover rate.

For example, in an industry sample, the total number of employees who worked during, or received pay for, the week of January 12-18 was reported as 25,498. During the period January 1-31 a total of 284 employees in all reporting firms quit. The quit rate for the industry is:

$$\frac{284}{25,498} \times 100 = 1.1$$

To compute turnover rates for broader industrial categories, the rates for the component industries are weighted by the estimated employment.

Separate turnover rates for men and women are published quarterly for 1 month in each quarter. Only accessions, quits, and total separations are published. These rates are computed in the same manner as the all-employee rates; for example, the quit rate for women is obtained from an industry sample by dividing the number of women who quit during the month by the number of women employees reported.

Average monthly turnover rates for the year for all employees are computed by dividing the sum of the monthly rates by 12.

### Comparability with Earlier Data

Labor turnover rates are available on a comparable basis from January 1930 for manufacturing as a whole and from 1943 for two coal mining and two communication industries. Rates for many individual industries and industry groups for the period prior to January 1950 are not comparable with those for the subsequent period because of a revision which involved (1) the adoption of the Standard Industrial Classification (1945) code structure for manufacturing industries, and (2) the introduction of weighting

in the computation of industry-group rates.

#### 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, for the most part, refer to a 1-week pay period ending nearest the 15th of the month.
- (2) The turnover sample excludes certain industries (see under coverage, p. 2-E).
- (3) Plants on strike are not included in the turnover computations beginning with the month the strike starts through the month the workers return; the influence of such stoppages is reflected, however, in the employment figures.

#### C. HOURS AND EARNINGS

Definitions of production workers, nonsupervisory employees, payrolls, and man-hours from which hours and earnings data are derived are included in the glossary, page 7-E. Methods used to compute hours and earnings averages are described in summary of methods for computing national statistics, page 6-E.

#### Gross Average Hourly and Weekly Earnings

Average hourly earnings for manufacturing and non-manufacturing industries are on a "gross" basis, i.e., they reflect 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 basis. Employment shifts 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 refer to the actual return to the worker for a stated period of time; rates are the amounts stipulated for a given unit of work or time. However, the average earnings series 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 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 average hours worked or paid for, and is somewhat different from standard or scheduled hours. Normally, 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 establishments. 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 works 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, the 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 on 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.

#### Gross Average Weekly Earnings in Current and 1947-49 Dollars

These series indicate changes in the level of weekly earnings before and after adjustment for changes in purchasing power as determined from the BLS Consumer Price Index.

#### Net Spendable Average Weekly Earnings

Net spendable average weekly earnings in current dollars are obtained by deducting 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, net spendable earnings have been computed for two types of income receivers: (1) a worker with no dependents; and (2) a worker with three dependents.

The computations of net spendable earnings for both the factory worker with no dependents and the factory worker with three dependents are based upon the gross average weekly earnings for all production workers in manufacturing industries without regard to marital status, family composition, and total family income.

Net spendable weekly earnings in 1947-49 dollars represent an approximate measure of changes in "real" net spendable weekly earnings. "Real" earnings are computed by dividing the current Consumer Price Index into the spendable earnings average for the current month. The resulting level of spendable earnings expressed in 1947-49 dollars is thus adjusted for changes in purchasing power since that base period.

Average Hourly Earnings, Excluding Overtime,  
of Production Workers in Manufacturing

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, 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; reprint available, Serial No. R. 2020). Both methods eliminate only the earnings due to overtime paid for at one and one-half times the straight-time rates. No adjustment is made for other premium payment provisions, for example—holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Man-Hours

The indexes of aggregate weekly man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1947-49 period. These aggregates represent the product of average weekly hours and employment.

The aggregate man-hours are defined as total man-hours for which pay was received by full- and part-time production or construction workers, including hours paid for holidays, sick leave, and vacations taken. The man-hours are for 1 week of the pay period ending nearest the 15th of the month, and may not be typical of the entire month.

Railroad Hours and Earnings

The figures for Class I railroads (excluding switching and terminal companies) are based upon month-

ly 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. Because hours and earnings data for manufacturing and other nonmanufacturing industries are based upon reports to the BLS which generally represent 1 weekly pay period ending nearest the 15th of the month, the data for railroad employees are not strictly comparable with other industry information shown in this publication.

**STATISTICS FOR STATES AND AREAS**

State and area employment, hours, earnings, and labor turnover statistics are collected and prepared by State agencies in cooperation with the BLS. These statistics are based on the same establishment reports used by the BLS for preparing national estimates. State employment series are adjusted to benchmark data from State unemployment insurance agencies and the Bureau of Old Age and Survivors Insurance. Because some States have more recent benchmarks than others and use slightly varying methods of computation, the sum of the State figures may differ slightly from the official U. S. totals prepared by the BLS.

Additional industry detail may be obtainable from the cooperating State agencies listed on the inside back cover of this report.

NOTE: Additional information concerning the preparation of the employment, hours, earnings, and labor turnover series---concepts and scope, survey methods, and reliability and limitations---is contained in technical notes for each of these series, available from BLS free of charge. For all of this information as well as similar material for other BLS statistics, see Techniques of Preparing Major BLS Statistical Series, BLS Bull. 1168, December 1954. Copies are on file in many public and university libraries, or may be ordered from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. at 65 cents each.

# SUMMARY OF METHODS FOR COMPUTING NATIONAL STATISTICS

## EMPLOYMENT, HOURS, AND EARNINGS

Item	Individual manufacturing and nonmanufacturing industries	Total nonagricultural divisions, major groups, and groups
<b>MONTHLY DATA</b>		
<u>All employees</u>	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 industries.
<u>Production workers</u>	All-employee estimate for current month multiplied by ratio of production workers to all employees in sample establishments for current month.	Sum of production-worker estimates for component industries.
<u>Average weekly hours</u>	Total production or nonsupervisory man-hours divided by number of production or nonsupervisory workers.	Average, weighted by employment, of the average weekly hours for component industries.
<u>Average hourly earnings</u>	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 industries.
<u>Average weekly earnings</u>	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
<b>ANNUAL AVERAGE DATA</b>		
<u>All employees and production workers</u>	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
<u>Average weekly hours</u>	Annual total of aggregate man-hours (employment multiplied by average weekly hours) divided by annual sum of employment.	Average, weighted by employment, of the annual averages of weekly hours for component industries.
<u>Average hourly earnings</u>	Annual total of aggregate payrolls (weekly earnings multiplied by employment) divided by annual aggregate man-hours.	Average, weighted by aggregate man-hours, of the annual averages of hourly earnings for component industries.
<u>Average weekly earnings</u>	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

## GLOSSARY

**ALL EMPLOYEES** - The total number of persons on establishment payrolls who worked full- or part-time or received pay for any part of the pay period ending nearest the 15th of the month. Includes salaried officers of corporations as well as employees on the establishment payroll engaged in new construction and major additions or alterations to the plant who are utilized as a separate work force (force-account construction workers). Proprietors, self-employed persons, domestic servants, unpaid family workers, and members of the Armed Forces are excluded.

**CONSTRUCTION WORKERS** - Includes working foremen, journeymen, mechanics, apprentices, helpers, laborers, and similar workers engaged in new work, alterations, demolition, and other actual construction work, at the site of construction or working in shop or yard at jobs (such as precutting and pre-assembling) ordinarily performed by members of the construction trades; includes all such workers regardless of skill, engaged in any way in contract construction activities.

**CONTRACT CONSTRUCTION** - Covers only firms engaged in the construction business on a contract basis for others. Force-account construction workers, i.e., hired directly by and on the payroll of Federal, State, and local government, public utilities, and private establishments, are excluded from contract construction and included in the employment for such establishments.

**DURABLE GOODS** - The durable-goods subdivision includes the following major manufacturing industry groups: ordnance and accessories; lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products; machinery; electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries as defined. This definition is consistent with that used by other Federal agencies, e.g., Federal Reserve Board.

**ESTABLISHMENT** - "A single physical location where business is conducted or where services or industrial operations are performed; for example, a factory, mill, store, mine, or farm. Where a single physical location comprises two or more units which maintain separate payroll and inventory records and which are engaged in distinct or separate activities for which different industry classifications are provided in the Standard Industrial Classification, each unit shall be treated as a separate establishment. An establishment is not necessarily identical with the business concern or firm which may consist of one or more establishments. It is also to be distinguished from organizational subunits, departments, or divisions within an establishment." (Standard Industrial Classification Manual, U. S. Bureau of the Budget, Vol. I, Part I, p. 1, November 1945.)

**FINANCE, INSURANCE, AND REAL ESTATE** - Covers private establishments operating in the fields of finance (banks, security dealers, loan agencies, holding companies, and other finance agencies); insurance (insurance carriers and independent agents and brokers); and real estate (real estate owners, including

speculative builders, subdividers, and developers; and agents and brokers).

**GOVERNMENT** - Covers Federal, State, and local government establishments performing legislative, executive, and judicial functions, including Government corporations, Government force-account construction, and such units as arsenals, navy yards, and hospitals. Federal government employment excludes employees of the Central Intelligence Agency. State and local government employment includes teachers, but excludes, as nominal employees, paid volunteer firemen and elected officials of small local units.

### LABOR TURNOVER:

Separations are terminations of employment during the calendar month and are classified according to cause: quits, discharges, layoffs, and miscellaneous separations (including military), as defined below.

Quits are terminations of employment during the calendar month initiated by employees for such reasons as: acceptance of a job in another company, dissatisfaction, return to school, marriage, maternity, ill health, or voluntary retirement where no company pension is provided. Failure to report after being hired and unauthorized absences of more than 7 consecutive calendar days are also classified as quits. Prior to 1940, miscellaneous separations were also included in this category.

Discharges are terminations of employment during the calendar month initiated by the employer for such reasons as employees' incompetence, violation of rules, dishonesty, insubordination, laziness, habitual absenteeism, or inability to meet physical standards.

Layoffs are terminations of employment during the calendar month lasting or expected to last more than 7 consecutive calendar days without pay, initiated by the employer without prejudice to the worker, for such reasons as lack of orders or materials, release of temporary help, conversion of plant, introduction of labor-saving machinery or processes, or suspensions of operations without pay during inventory periods.

Miscellaneous separations (including military) are terminations of employment during the calendar month because of permanent disability, death, retirement on company pension, and entrance into the Armed Forces expected to last more than 30 consecutive calendar days. Prior to 1940, miscellaneous separations were included with quits. Beginning September 1940, military separations were included here.

Persons on leave of absence (paid or unpaid) with the approval of the employer are not counted as separations until such time as it is definitely determined that such persons will not return to work. At that time, a separation is reported as one of the above types, depending on the circumstances.

Accessions are the total number of permanent and temporary additions to the employment roll during the calendar month, including both new and rehired employees. Persons returning to work after a layoff, military separations, or other absences who have been counted as separations are considered accessions.

**MAN-HOURS** - Covers man-hours worked or paid for of specified groups of workers, during the pay period ending nearest the 15th of the month. The specified group of workers in manufacturing and mining industries, laundries, and cleaning and dyeing plants is production and related workers; in the contract construction industry, it is construction workers; and in the other industries, it is nonsupervisory employees. The man-hours include hours paid for holidays, sick leave, and vacations taken; if the employee elects to work during a vacation period, the vacation pay and the hours it represents are omitted.

**MANUFACTURING** - Covers private establishments engaged in the mechanical or chemical transformation of inorganic or organic substances into new products and usually described as plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment. Establishments engaged in assembling component parts of manufactured products are also considered manufacturing if the new product is neither a structure nor other fixed improvement. Government manufacturing operations such as arsenals and navy yards are excluded from manufacturing and are included under Government.

**MINING** - Covers establishments engaged in the extraction from the earth of organic and inorganic minerals which occur in nature as solids, liquids, or gases; includes various contract services required in mining operations, such as removal of overburden, tunneling and shafting, and the drilling or acidizing of oil wells; also includes ore dressing, beneficiating, and concentration.

**NONDURABLE GOODS** - The nondurable-goods subdivision includes the following major manufacturing industry groups: food and kindred products; tobacco manufactures; textile-mill products; apparel and other finished textile products; paper and allied products; printing, publishing, and allied industries; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products. This definition is consistent with that used by other Federal agencies, e.g., Federal Reserve Board.

**NONSUPERVISORY EMPLOYEES** - Includes 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.

**OVERTIME HOURS** - Covers premium overtime hours of production and related workers during the pay period ending nearest the 15th 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.

**PAYROLL** - The weekly payroll for the specified groups

of full- and part-time employees who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. The specified group of employees in the manufacturing and mining industries, laundries, and cleaning and dyeing plants is production and related workers; in the contract construction industry, it is construction workers; and in the other industries, it is nonsupervisory employees and working supervisors. The payroll is reported before deductions for old-age and unemployment insurance, group insurance, withholding tax, bonds, and union dues; also includes pay for sick leave, holidays, and vacations taken. Excludes cash payments for vacations not taken, retroactive pay not earned during period reported, value of payments in kind, and bonuses, unless earned and paid regularly each pay period.

**PRODUCTION AND RELATED WORKERS** - Includes working foremen and all nonsupervisory workers (including lead men and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial, watchman services, products development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

**REGIONS:**

North - Includes all States except the 17 listed as South.

South - Includes the following 17 States: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

(In the case of sawmills and planing mills, general, a third region is identified - the West - and includes California, Oregon, and Washington.)

**SERVICE AND MISCELLANEOUS** - Covers establishments primarily engaged in rendering services to individuals and business firms, including automotive repair services. Excludes domestic service workers. Non-government schools, hospitals, museums, etc., are included under service and miscellaneous; similar Government establishments are included under Government.

**TRANSPORTATION AND PUBLIC UTILITIES** - Covers only private establishments engaged in providing all types of transportation and related services; telephone, telegraph, and other communication services or providing electricity, gas, steam, water, or sanitary service. Similar Government establishments are included under Government.

**WHOLESALE AND RETAIL TRADE** - Covers establishments engaged in wholesale trade, i.e., selling merchandise to retailers, and in retail trade, i.e., selling merchandise for personal or household consumption, and rendering service incidental to the sales of goods. Similar Government establishments are included under Government.

# EMPLOYMENT AND EARNINGS DATA

Available from the BLS free of charge

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