



# Employment and Earnings

MARCH 1957

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DIVISION OF MANPOWER AND EMPLOYMENT STATISTICS

Seymour L. Wolfbein, Chief

## OVERTIME HOURS IN 1956...

In January 1956, the BLS began to collect statistics on average overtime hours in manufacturing industries. The article on page iii points out some of the relationships and trends shown by the first 12 months' data.

## LOGGING CAMPS AND CONTRACTORS...

The hours and earnings series for logging camps and contractors will be dropped from table C-1 next month, as the sample is inadequate for providing a reliable measure of the level of hours and earnings in this industry.

## ERRATUM...

In table 4 of the February 1957 issue of Employment and Earnings, the column headed January 1956 actually contained 1956 annual averages of overtime hours.

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

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The national employment figures shown in this report have been adjusted to first quarter 1955 benchmark levels.

# OVERTIME HOURS IN MANUFACTURING, 1956

Dudley E. Young \*

Average weekly overtime hours worked by production workers in manufacturing industries during 1956 ranged from a low of 2.6 hours in May and July to a high of 3.1 hours in the latter part of the year. There was a moderate decline during the first months of the year, a summer lull, and then a sharp increase in the fall which continued into the winter. This simple pattern was reproduced in the two major components, "durable" and "nondurable" goods. The major industry groups, however, varied substantially among themselves because of differing seasonal factors and a variety of pressures peculiar to the industries of which they are composed.

The major industry groups fell into three general categories: First, 6 industries, including some of the largest, in which overtime hours varied by more than an hour over the year; second, a substantial number for which overtime hours fluctuated through a moderate range—half an hour to an hour; and third, a few industry groups for which average overtime hours varied only slightly—half an hour or less—throughout 1956. Industry groups in each category are listed below:

## Wide range—more than 1.0 hour

Transportation equipment  
Primary metal industries  
Electrical machinery  
Rubber products  
Food and kindred products  
Leather and leather products

## Moderate range—0.6 hour to 1.0 hour

Fabricated metal products  
Ordnance and accessories  
Textile-mill products  
Miscellaneous manufacturing industries

Furniture and fixtures  
Products of petroleum and coal  
Machinery (except electrical)  
Apparel and other finished textile products  
Lumber and wood products  
Tobacco manufactures  
Printing, publishing, and allied industries

## Narrow range—less than 0.5 hour

Paper and allied products  
Instruments and related products  
Chemicals and allied products  
Stone, clay, and glass products

Perhaps the most striking characteristic of this listing is that 4 of the 6 industry groups with the greatest fluctuation in overtime, transportation equipment, primary metals, electrical machinery, and food are also 4 of the largest industry groups in terms of employment. It is obvious that changes in overtime hours are not confined to small industries. The increase in overtime in these large industry groups has been accompanied by similar sharp increases in employment; in transportation equipment, for example, overtime rose in an uninterrupted sweep from a low of 2.1 hours in May to 4.8 hours in December, while employment over the same period rose from 1,775,200 to 1,921,500. This gain in overtime was in the automobile industry and was the result of the change to 1957 models. Other industries in transportation equipment—shipbuilding and aircraft—were relatively stable throughout the

\* Of the Division of Manpower and Employment Statistics.

*Continued on page v*

**Average overtime hours of production workers in manufacturing, by major industry group, 1956**

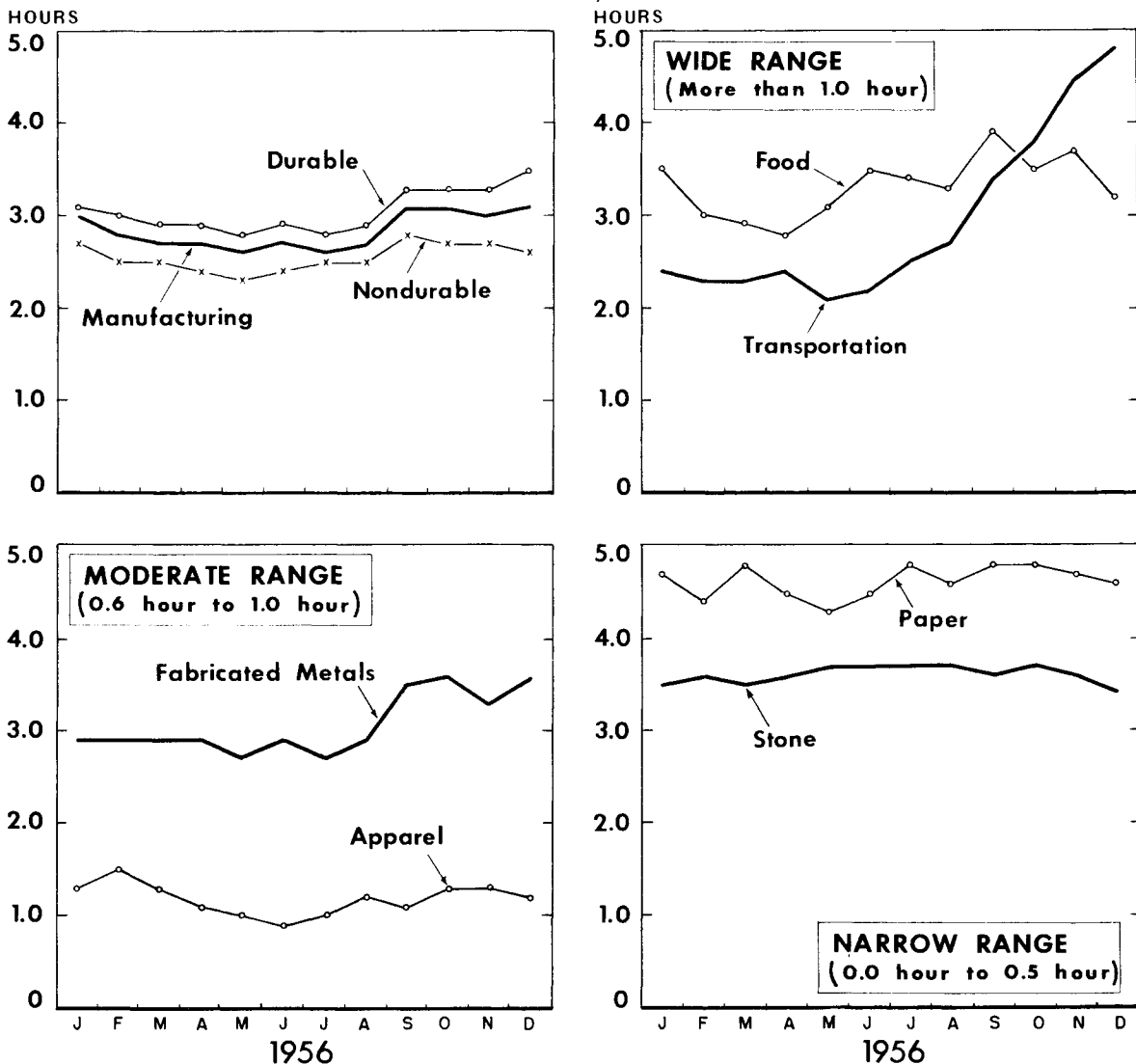
Major industry group	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
<b>MANUFACTURING.....</b>	3.0	2.8	2.7	2.7	2.6	2.7	2.6	2.7	3.1	3.1	3.0	3.1	2.8
<b>DURABLE GOODS.....</b>	3.1	3.0	2.9	2.9	2.8	2.9	2.8	2.9	3.3	3.3	3.3	3.5	3.1
Ordnance and accessories.....	2.6	2.5	2.8	2.8	2.8	2.7	2.9	2.6	3.5	3.4	3.1	3.4	2.9
Lumber and wood products.....	3.5	3.5	3.1	3.1	3.0	3.5	3.3	3.6	3.6	3.1	2.9	3.0	3.3
Furniture and fixtures.....	3.0	3.0	2.9	2.5	2.4	2.5	2.4	2.9	3.2	3.2	2.7	3.1	2.8
Stone, clay, and glass products.	3.5	3.6	3.5	3.6	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.4	3.6
Primary metal industries.....	3.5	2.8	2.8	2.8	2.8	2.9	2.8	2.3	3.1	2.5	2.6	2.7	2.8
Fabricated metal products.....	2.9	2.9	2.9	2.9	2.7	2.9	2.7	2.9	3.5	3.6	3.3	3.6	3.1
Machinery (except electrical)...	4.0	3.9	3.8	3.8	3.6	3.6	3.4	3.4	3.8	3.7	3.5	3.7	3.7
Electrical machinery.....	2.9	2.5	2.4	2.7	2.5	2.4	2.0	2.5	2.9	3.1	2.9	2.8	2.6
Transportation equipment.....	2.4	2.3	2.3	2.4	2.1	2.2	2.5	2.7	3.4	3.8	4.5	4.8	2.9
Instruments and related products	2.3	2.3	2.4	2.5	2.4	2.2	2.1	2.2	2.5	2.4	2.3	2.3	2.3
Miscellaneous manufacturing													
industries.....	2.7	2.7	2.5	2.5	2.5	2.3	2.2	2.6	2.8	3.1	2.8	2.7	2.6
<b>NONDURABLE GOODS.....</b>	2.7	2.5	2.5	2.4	2.3	2.4	2.5	2.5	2.8	2.7	2.7	2.6	2.5
Food and kindred products.....	3.5	3.0	2.9	2.8	3.1	3.5	3.4	3.3	3.9	3.5	3.7	3.2	3.3
Tobacco manufactures.....	1.2	.7	.8	.9	1.1	1.3	1.1	1.0	1.3	1.0	1.1	1.5	1.1
Textile-mill products.....	3.0	2.9	2.7	2.4	2.3	2.1	2.1	2.3	2.4	2.8	2.9	2.7	2.6
Apparel and other finished													
textile products.....	1.3	1.5	1.3	1.1	1.0	.9	1.0	1.2	1.1	1.3	1.3	1.2	1.2
Paper and allied products.....	4.7	4.4	4.8	4.5	4.3	4.5	4.8	4.6	4.8	4.8	4.7	4.6	4.6
Printing, publishing, and													
allied industries.....	2.8	2.8	3.1	3.1	3.0	3.0	3.0	3.2	3.7	3.6	3.2	3.5	3.2
Chemicals and allied products...	2.3	2.2	2.2	2.3	2.2	2.3	2.3	2.2	2.4	2.2	2.2	2.2	2.3
Products of petroleum and coal..	2.0	1.7	2.2	2.0	1.8	2.2	2.4	2.1	2.3	2.0	1.9	1.8	2.0
Rubber products.....	3.5	2.7	2.3	2.5	2.4	2.3	2.5	2.8	3.0	3.4	2.8	3.2	2.8
Leather and leather products....	2.0	2.2	1.8	1.3	1.1	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.4

year. The food industry group had a somewhat similar pattern rising from a low of 2.8 hours of overtime in April to a high of 3.9 in September, with an increase of 309,100 in employment over the same period. Again

the change was concentrated in a single industry, canning and preserving fruits and vegetables, which is sharply seasonal because of its dependence on the availability of perishable crops. *Continued on page vii*

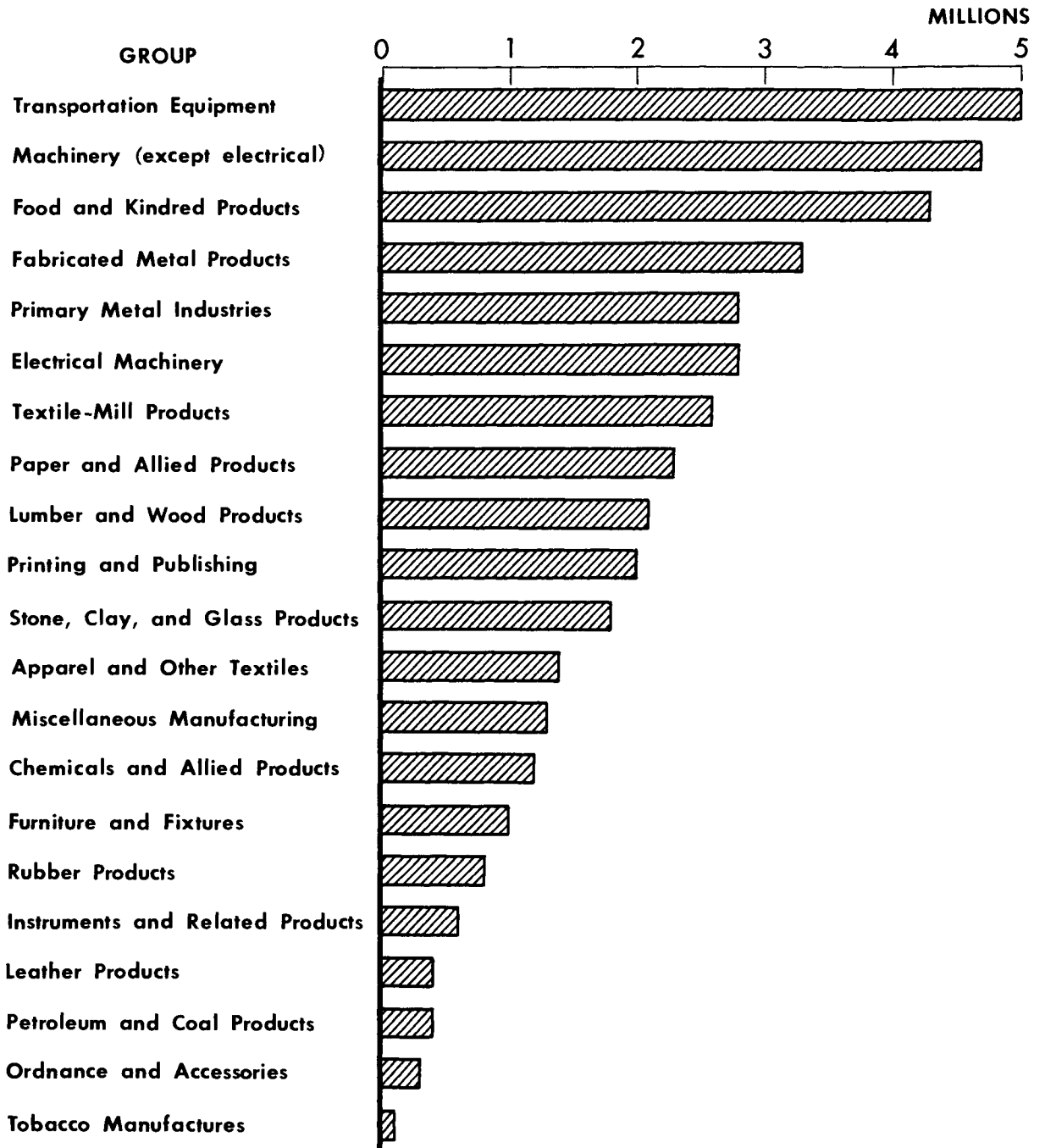
**Chart 1. Average Overtime Hours of Production Workers in Manufacturing Selected Major Industry Groups**

**BY TYPE OF CHANGE, MONTHLY 1956**



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS

**Chart 2. Total Overtime Hours of Production Workers in Manufacturing  
Major Industry Groups, Midweek of October 1956**



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS

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The relatively stable industry groups in the list were also fairly stable in employment, none of them varying by as much as 5 percent in level over the year. Their stability in overtime and employment does not, however, mean a low level of overtime; 2 of the 4 industry groups in this category, paper and stone, clay, and glass, had a consistently high level of overtime, in the neighborhood of 4.6 and 3.6 hours, respectively.

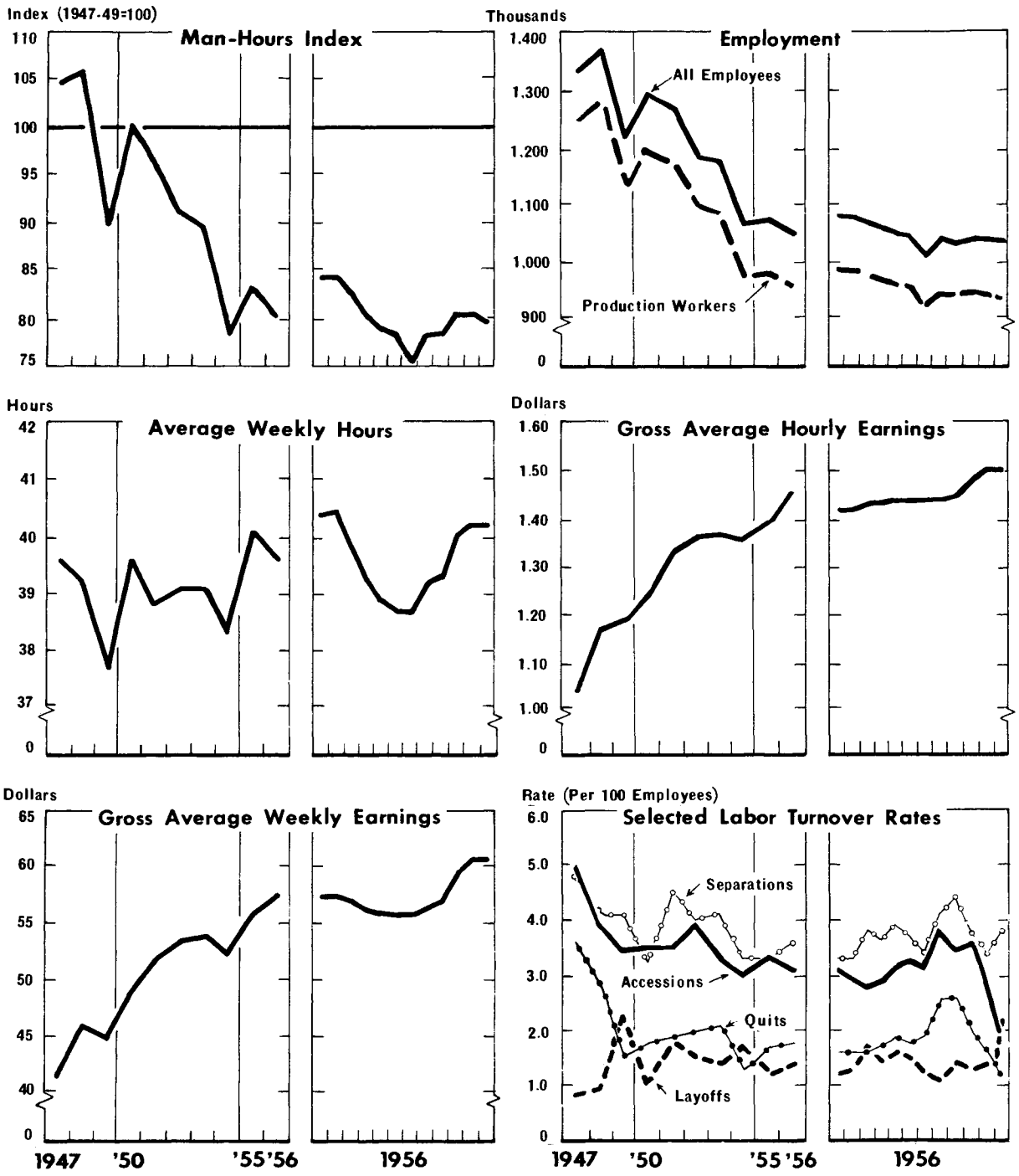
The magnitude of the human effort expended on overtime work and its importance to industry may be seen on chart 2, which shows the millions of hours spent on overtime during the midweek of October for each major industry group. This figure is affected by both the size of the industry and the level of overtime. One industry group, transportation equipment, used more than 5 million hours of overtime and two more, ma-

chinery and food, used more than 4 million hours apiece. From this peak, the industry groups ranged down fairly evenly to the smallest half dozen which had fewer than 1 million hours each.

This brief review of 1956 data on overtime hours summarizes the information so far available. Collection of these statistics was started in 1956. It will be several years before accumulated experience will make it possible to develop exact seasonal patterns, but some are foreshadowed in the data reviewed here. It is also obvious that presentation of the data in greater industrial detail will facilitate the interpretation of overall movements and provide information of great interest for the specific industries involved. The Bureau of Labor Statistics is planning, therefore, to publish overtime hours for selected industries in the near future.

# THE TEXTILE-MILL PRODUCTS INDUSTRY

Annual Average 1947-56; Monthly 1956



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS



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

(In thousands)

Industry division and group	Current			Year ago	February 1957 net change from:	
	Feb. 1957 1/	Jan. 1957 1/	Dec. 1956	Feb. 1956	Previous month	Year ago
<b>TOTAL</b> .....	<b>51,245</b>	<b>51,253</b>	<b>53,131</b>	<b>50,246</b>	<b>- 8</b>	<b>+999</b>
<b>MINING</b> .....	<b>801</b>	<b>803</b>	<b>811</b>	<b>780</b>	<b>- 2</b>	<b>+ 21</b>
Metal mining.....	108.3	109.0	109.5	106.9	- .7	+ 1.4
Bituminous-coal.....	233.7	233.2	233.4	224.5	+ .5	+ 9.2
Nonmetallic mining and quarrying.....	104.7	106.2	110.3	104.5	- 1.5	+ .2
<b>CONTRACT CONSTRUCTION</b> .....	<b>2,741</b>	<b>2,723</b>	<b>3,029</b>	<b>2,588</b>	<b>+18</b>	<b>+153</b>
<b>MANUFACTURING</b> .....	<b>16,908</b>	<b>16,934</b>	<b>17,133</b>	<b>16,824</b>	<b>-26</b>	<b>+ 84</b>
<b>DURABLE GOODS</b> .....	<b>9,922</b>	<b>9,948</b>	<b>10,029</b>	<b>9,776</b>	<b>-26</b>	<b>+146</b>
Ordnance and accessories.....	129.4	131.8	132.9	130.2	- 2.4	- .8
Lumber and wood products (except furniture).....	(2/)	643.0	675.1	703.6	(2/)	(2/)
Furniture and fixtures.....	371.7	371.3	378.2	380.1	+ .4	- 8.4
Stone, clay, and glass products.....	548.3	553.0	567.1	556.2	- 4.7	- 7.9
Primary metal industries.....	1,349.7	1,351.3	1,353.8	1,345.9	- 1.6	+ 3.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,136.9	1,138.6	1,143.2	1,122.2	- 1.7	+ 14.7
Machinery (except electrical).....	1,780.4	1,768.8	1,756.3	1,708.4	+11.6	+ 72.0
Electrical machinery.....	1,242.6	1,246.9	1,259.2	1,162.9	- 4.3	+ 79.7
Transportation equipment.....	1,911.6	1,924.0	1,921.5	1,841.4	-12.4	+ 70.2
Instruments and related products.....	346.6	344.9	346.4	332.6	+ 1.7	+ 14.0
Miscellaneous manufacturing industries...	474.4	474.1	495.4	492.5	+ .3	- 18.1
<b>NONDURABLE GOODS</b> .....	<b>6,986</b>	<b>6,986</b>	<b>7,104</b>	<b>7,048</b>	<b>0</b>	<b>- 62</b>
Food and kindred products.....	1,462.0	1,486.8	1,543.7	1,459.7	-24.8	+ 2.3
Tobacco manufactures.....	96.4	101.6	107.0	98.5	- 5.2	- 2.1
Textile-mill products.....	1,018.9	1,019.1	1,032.6	1,081.4	- .2	- 62.5
Apparel and other finished textile products.....	1,230.6	1,202.9	1,222.2	1,262.6	+27.7	- 32.0
Paper and allied products.....	570.2	572.6	577.1	556.7	- 2.4	+ 13.5
Printing, publishing, and allied industries.....	863.3	864.2	877.4	839.6	- .9	+ 23.7
Chemicals and allied products.....	837.8	838.2	839.6	827.4	- .4	+ 10.4
Products of petroleum and coal.....	253.4	252.2	253.3	248.9	+ 1.2	+ 4.5
Rubber products.....	282.0	282.3	281.9	283.3	- .3	- 1.3
Leather and leather products.....	371.6	365.9	369.1	390.2	+ 5.7	- 18.6
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	<b>4,103</b>	<b>4,110</b>	<b>4,180</b>	<b>4,083</b>	<b>- 7</b>	<b>+ 20</b>
TRANSPORTATION.....	2,698	2,709	2,773	2,712	-11	- 14
COMMUNICATION.....	812	808	813	787	+ 4	+ 25
OTHER PUBLIC UTILITIES.....	593	593	594	584	0	+ 9
<b>WHOLESALE AND RETAIL TRADE</b> .....	<b>11,100</b>	<b>11,158</b>	<b>12,092</b>	<b>10,819</b>	<b>-58</b>	<b>+281</b>
<b>WHOLESALE TRADE</b> .....	<b>3,033</b>	<b>3,027</b>	<b>3,075</b>	<b>2,924</b>	<b>+ 6</b>	<b>+109</b>
<b>RETAIL TRADE</b> .....	<b>8,067</b>	<b>8,131</b>	<b>9,017</b>	<b>7,895</b>	<b>-64</b>	<b>+172</b>
General merchandise stores.....	1,364.2	1,405.0	1,974.8	1,333.4	-40.8	+ 30.8
Food and liquor stores.....	1,619.4	1,610.3	1,649.0	1,551.0	+ 9.1	+ 68.4
Automotive and accessories dealers.....	784.2	786.2	805.9	810.9	- 2.0	- 26.7
Apparel and accessories stores.....	553.5	578.3	716.0	552.9	-24.8	+ .6
Other retail trade.....	3,745.6	3,751.0	3,870.8	3,647.1	- 5.4	+ 98.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	<b>2,311</b>	<b>2,295</b>	<b>2,308</b>	<b>2,250</b>	<b>+16</b>	<b>+ 61</b>
<b>SERVICE AND MISCELLANEOUS</b> .....	<b>5,929</b>	<b>5,918</b>	<b>5,976</b>	<b>5,818</b>	<b>+11</b>	<b>+111</b>
<b>GOVERNMENT</b> .....	<b>7,352</b>	<b>7,312</b>	<b>7,602</b>	<b>7,084</b>	<b>+40</b>	<b>+268</b>
<b>FEDERAL</b> .....	<b>2,195</b>	<b>2,196</b>	<b>2,483</b>	<b>2,160</b>	<b>- 1</b>	<b>+ 35</b>
<b>STATE AND LOCAL</b> .....	<b>5,157</b>	<b>5,116</b>	<b>5,119</b>	<b>4,924</b>	<b>+41</b>	<b>+233</b>

1/ Preliminary.  
2/ Not available.

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

(In thousands)

Major industry group	Current			Year ago	February 1957 net change from:	
	Feb. 1957	Jan. 1957	Dec. 1956	Feb. 1956	Previous month	Year ago
	<u>1/</u>	<u>1/</u>				
<b>MANUFACTURING.....</b>	<b>13,091</b>	<b>13,126</b>	<b>13,312</b>	<b>13,212</b>	<b>-35</b>	<b>-121</b>
<b>DURABLE GOODS.....</b>	<b>7,679</b>	<b>7,713</b>	<b>7,791</b>	<b>7,692</b>	<b>-34</b>	<b>- 13</b>
Ordnance and accessories.....	79.7	81.4	82.5	85.7	- 1.7	- 6.0
Lumber and wood products (except furniture).....	(2/)	576.0	606.8	635.3	(2/)	(2/)
Furniture and fixtures.....	311.2	311.2	317.5	321.9	0	- 10.7
Stone, clay, and glass products.....	455.4	460.2	473.0	465.8	- 4.8	- 10.4
Primary metal industries.....	1,128.6	1,131.9	1,133.2	1,138.4	- 3.3	- 9.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	900.7	904.5	909.2	899.2	- 3.8	+ 1.5
Machinery (except electrical).....	1,310.3	1,300.8	1,288.8	1,274.3	+ 9.5	+ 36.0
Electrical machinery.....	886.0	893.8	906.7	848.6	- 7.8	+ 37.4
Transportation equipment.....	1,427.8	1,439.4	1,438.6	1,392.4	-11.6	+ 35.4
Instruments and related products.....	236.1	234.9	236.2	230.5	+ 1.2	+ 5.6
Miscellaneous manufacturing industries...	379.5	378.7	398.6	399.7	+ .8	- 20.2
<b>NONDURABLE GOODS.....</b>	<b>5,412</b>	<b>5,413</b>	<b>5,521</b>	<b>5,520</b>	<b>- 1</b>	<b>-108</b>
Food and kindred products.....	1,003.0	1,027.9	1,081.5	1,013.0	-24.9	- 10.0
Tobacco manufactures.....	87.5	92.5	97.8	89.7	- 5.0	- 2.2
Textile-mill products.....	929.0	928.2	941.8	989.0	+ .8	- 60.0
Apparel and other finished textile products.....	1,096.9	1,069.3	1,088.1	1,130.9	+27.6	- 34.0
Paper and allied products.....	462.7	465.4	469.8	455.5	- 2.7	+ 7.2
Printing, publishing, and allied industries.....	556.2	557.2	566.2	540.3	- 1.0	+ 15.9
Chemicals and allied products.....	550.9	552.8	552.0	557.5	- 1.9	- 6.6
Products of petroleum and coal.....	172.5	171.7	173.1	169.7	+ .8	+ 2.8
Rubber products.....	221.5	222.0	221.5	224.5	- .5	- 3.0
Leather and leather products.....	331.6	326.0	329.1	349.5	+ 5.6	- 17.9

1/ Preliminary.  
2/ Not available.

**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
	Feb. 1/	Jan. 1/	Feb.	Feb. 1/	Jan. 1/	Feb.	Feb. 1/	Jan. 1/	Feb.
<b>MANUFACTURING.....</b>	<b>\$82.41</b>	<b>\$82.21</b>	<b>\$78.17</b>	<b>40.2</b>	<b>40.1</b>	<b>40.5</b>	<b>\$2.05</b>	<b>\$2.05</b>	<b>\$1.93</b>
<b>DURABLE GOODS.....</b>	<b>89.16</b>	<b>88.54</b>	<b>84.05</b>	<b>40.9</b>	<b>40.8</b>	<b>41.0</b>	<b>2.18</b>	<b>2.17</b>	<b>2.05</b>
Ordnance and accessories.....	96.87	96.22	88.19	42.3	42.2	41.6	2.29	2.28	2.12
Lumber and wood products (except furniture).....	(2/)	67.42	66.80	(2/)	39.2	40.0	(2/)	1.72	1.67
Furniture and fixtures.....	69.32	68.06	67.82	40.3	39.8	41.1	1.72	1.71	1.65
Stone, clay, and glass products.....	81.20	80.40	77.90	40.6	40.2	41.0	2.00	2.00	1.90
Primary metal industries.....	99.79	101.27	95.35	40.4	41.0	41.1	2.47	2.47	2.32
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	87.74	86.90	83.02	41.0	40.8	41.1	2.14	2.13	2.02
Machinery (except electrical).....	95.11	94.47	92.44	41.9	41.8	42.6	2.27	2.26	2.17
Electrical machinery.....	83.64	83.22	78.36	40.6	40.4	40.6	2.06	2.06	1.93
Transportation equipment.....	98.53	97.88	89.38	41.4	41.3	39.9	2.38	2.37	2.24
Instruments and related products.....	84.86	83.63	80.36	40.8	40.4	41.0	2.08	2.07	1.96
Miscellaneous manufacturing industries.....	71.82	71.82	69.43	39.9	39.9	40.6	1.80	1.80	1.71
<b>NONDURABLE GOODS.....</b>	<b>72.91</b>	<b>72.73</b>	<b>69.65</b>	<b>39.2</b>	<b>39.1</b>	<b>39.8</b>	<b>1.86</b>	<b>1.86</b>	<b>1.75</b>
Food and kindred products.....	77.79	78.18	74.48	40.1	40.3	40.7	1.94	1.94	1.83
Tobacco manufactures.....	56.83	56.98	50.87	38.4	38.5	36.6	1.48	1.48	1.39
Textile-mill products.....	58.80	58.26	57.51	39.2	39.1	40.5	1.50	1.49	1.42
Apparel and other finished textile products.....	54.17	52.98	51.61	36.6	35.8	37.4	1.48	1.48	1.38
Paper and allied products.....	84.60	84.38	79.85	42.3	42.4	42.7	2.00	1.99	1.87
Printing, publishing, and allied industries.....	93.97	93.35	91.87	38.2	38.1	38.6	2.46	2.45	2.38
Chemicals and allied products.....	87.53	88.58	84.67	40.9	41.2	41.3	2.14	2.15	2.05
Products of petroleum and coal.....	103.94	106.19	99.72	40.6	41.0	40.7	2.56	2.59	2.45
Rubber products.....	91.43	92.48	85.81	41.0	41.1	40.1	2.23	2.25	2.14
Leather and leather products..	59.44	58.14	57.67	38.6	38.0	39.5	1.54	1.53	1.46

1/ Preliminary.  
2/ Not available.

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

Major industry group	Feb. 1957 1/		Jan. 1957 1/		Dec. 1956		Feb. 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>40.2</b>	<b>2.5</b>	<b>40.1</b>	<b>2.6</b>	<b>41.0</b>	<b>3.1</b>	<b>40.5</b>	<b>2.8</b>
<b>DURABLE GOODS.....</b>	<b>40.9</b>	<b>2.7</b>	<b>40.8</b>	<b>2.8</b>	<b>41.9</b>	<b>3.5</b>	<b>41.0</b>	<b>3.0</b>
Ordnance and accessories.....	-	-	42.2	2.5	42.6	3.4	41.6	2.5
Lumber and wood products (except furniture)....	-	-	39.2	2.8	39.8	3.0	40.0	3.5
Furniture and fixtures.....	-	-	39.8	2.4	41.4	3.1	41.1	3.0
Stone, clay, and glass products.....	-	-	40.2	3.1	41.2	3.4	41.0	3.6
Primary metal industries.....	-	-	41.0	2.9	41.2	2.7	41.1	2.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	-	-	40.8	2.8	42.1	3.6	41.1	2.9
Machinery (except electrical).....	-	-	41.8	3.3	42.6	3.7	42.6	3.9
Electrical machinery.....	-	-	40.4	2.2	41.2	2.8	40.6	2.5
Transportation equipment.....	-	-	41.3	2.8	43.6	4.8	39.9	2.3
Instruments and related products.....	-	-	40.4	2.2	41.0	2.3	41.0	2.3
Miscellaneous manufacturing industries.....	-	-	39.9	2.5	40.6	2.7	40.6	2.7
<b>NONDURABLE GOODS.....</b>	<b>39.2</b>	<b>2.2</b>	<b>39.1</b>	<b>2.3</b>	<b>39.8</b>	<b>2.6</b>	<b>39.8</b>	<b>2.5</b>
Food and kindred products.....	-	-	40.3	2.9	41.0	3.2	40.7	3.0
Tobacco manufactures.....	-	-	38.5	1.1	39.8	1.5	36.6	.7
Textile-mill products.....	-	-	39.1	2.3	40.2	2.7	40.5	2.9
Apparel and other finished textile products....	-	-	35.8	1.1	36.3	1.2	37.4	1.5
Paper and allied products.....	-	-	42.4	4.4	43.0	4.6	42.7	4.4
Printing, publishing, and allied industries....	-	-	38.1	2.7	39.1	3.5	38.6	2.8
Chemicals and allied products.....	-	-	41.2	2.1	41.6	2.2	41.3	2.2
Products of petroleum and coal.....	-	-	41.0	1.7	41.0	1.8	40.7	1.7
Rubber products.....	-	-	41.1	3.1	41.4	3.2	40.1	2.7
Leather and leather products.....	-	-	38.0	1.3	37.7	1.3	39.5	2.2

1/ Preliminary. NOTE: See "Erratum" on Contents Page.

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

(1947-49=100)

Industry division	Current			Year ago
	February 1957 <u>1/</u>	January 1957 <u>1/</u>	December 1956	February 1956
<b>TOTAL</b> .....	117.2	117.2	121.5	114.9
Mining.....	84.5	84.7	85.5	82.3
Contract construction.....	130.2	129.4	143.9	122.9
Manufacturing.....	113.2	113.4	114.8	112.7
Transportation and public utilities.....	100.8	101.0	102.7	100.3
Wholesale and retail trade.....	118.0	118.6	128.5	115.0
Finance, insurance, and real estate...	133.9	133.0	133.7	130.4
Service and miscellaneous.....	121.2	120.9	122.1	118.9
Government.....	129.9	129.2	134.3	125.2

1/ Preliminary.

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

(1947-49=100)

Major industry group	Current			Year ago
	February 1957 <u>1/</u>	January 1957 <u>1/</u>	December 1956	February 1956
<b>MANUFACTURING</b> .....	105.8	106.1	107.6	106.8
<b>DURABLE GOODS</b> .....	115.1	115.6	116.7	115.3
Ordnance and accessories.....	352.9	357.3	366.2	379.4
Lumber and wood products (except furniture).....	( <u>2/</u> )	78.0	82.2	86.0
Furniture and fixtures.....	105.3	105.3	107.7	109.0
Stone, clay, and glass products.....	104.6	105.7	108.7	107.1
Primary metal industries.....	109.7	110.0	110.1	110.6
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	115.7	116.2	116.7	115.4
Machinery (except electrical).....	115.2	114.4	113.4	112.0
Electrical machinery.....	138.4	139.5	141.6	132.6
Transportation equipment.....	139.6	140.7	140.7	136.1
Instruments and related products.....	121.6	121.1	121.6	119.1
Miscellaneous manufacturing industries..	100.0	99.7	105.0	105.3
<b>NONDURABLE GOODS</b> .....	95.0	95.0	96.9	96.9
Food and kindred products.....	84.7	86.8	91.4	85.6
Tobacco manufactures.....	83.3	88.0	92.7	85.2
Textile-mill products.....	76.0	75.9	77.1	80.9
Apparel and other finished textile products.....	105.3	102.7	104.5	108.6
Paper and allied products.....	115.6	116.1	117.3	113.8
Printing, publishing, and allied industries.....	115.7	115.9	117.8	112.3
Chemicals and allied products.....	108.0	108.4	108.2	109.3
Products of petroleum and coal.....	93.0	92.5	93.0	91.4
Rubber products.....	109.0	109.0	109.0	110.5
Leather and leather products.....	91.8	90.1	91.0	96.8

1/ Preliminary. 2/ Not available.

# Seasonally Adjusted Data

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

Industry division	Index (1947-49=100)				Number (In thousands)			
	February 1957 <sup>1</sup>	January 1957 <sup>1</sup>	December 1956	February 1956	February 1957 <sup>1</sup>	January 1957 <sup>1</sup>	December 1956	February 1956
<b>TOTAL</b> .....	119.2	119.0	119.0	116.9	52,151	52,063	52,072	51,127
Mining.....	84.5	84.7	85.1	82.3	801	803	807	780
Contract construction.....	147.1	143.8	147.6	138.9	3,097	3,026	3,107	2,924
Manufacturing.....	113.6	114.1	114.4	113.1	16,960	17,030	17,080	16,879
Transportation and public utilities..	102.0	102.5	102.1	101.5	4,151	4,172	4,156	4,131
Wholesale and retail trade.....	121.1	120.4	119.6	118.0	11,393	11,324	11,250	11,105
Finance, insurance, and real estate..	135.2	134.3	134.4	131.7	2,334	2,318	2,320	2,273
Service and miscellaneous.....	124.3	124.1	124.0	121.9	6,081	6,070	6,067	5,967
Government.....	129.6	129.1	128.7	124.9	7,334	7,320	7,285	7,068

<sup>1</sup>/ Preliminary.

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

Major industry group	Index (1947-49=100)				Number (In thousands)			
	February 1957 <sup>1</sup>	January 1957 <sup>1</sup>	December 1956	February 1956	February 1957 <sup>1</sup>	January 1957 <sup>1</sup>	December 1956	February 1956
<b>MANUFACTURING</b> .....	106.2	106.8	107.2	107.2	13,138	13,216	13,262	13,263
<b>DURABLE GOODS</b> .....	114.8	115.7	116.2	115.1	7,664	7,725	7,754	7,681
Ordnance and accessories.....	352.9	357.3	366.2	379.4	80	81	83	86
Lumber and wood products (except furniture).....	(2)	82.7	83.9	90.1	(2)	610	619	665
Furniture and fixtures.....	103.3	103.6	105.6	107.0	305	306	312	316
Stone, clay, and glass products.....	106.2	108.5	108.7	108.7	462	472	473	473
Primary metal industries.....	109.1	109.4	109.5	110.0	1,123	1,126	1,127	1,132
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	114.5	115.0	115.5	114.2	892	896	900	890
Machinery (except electrical).....	113.5	113.3	112.8	110.4	1,291	1,288	1,283	1,255
Electrical machinery.....	137.0	138.1	138.8	131.3	877	884	889	841
Transportation equipment.....	139.6	140.7	140.7	136.1	1,428	1,439	1,439	1,392
Instruments and related products.....	121.6	120.6	120.6	119.1	236	234	234	231
Miscellaneous manufacturing industries.....	100.0	102.4	103.9	105.3	380	389	395	400
<b>NONDURABLE GOODS</b> .....	96.1	96.4	96.7	98.0	5,474	5,491	5,508	5,582
Food and kindred products.....	93.7	94.9	94.5	94.8	1,109	1,123	1,119	1,122
Tobacco manufactures.....	87.1	86.1	87.1	89.0	92	91	92	94
Textile-mill products.....	75.3	75.5	75.9	80.1	920	923	928	979
Apparel and other finished textile products.....	101.8	101.6	102.9	105.0	1,060	1,058	1,072	1,093
Paper and allied products.....	116.1	116.6	116.8	114.3	465	467	468	458
Printing, publishing, and allied industries.....	116.3	115.9	116.1	113.0	559	557	558	543
Chemicals and allied products.....	107.4	107.8	107.6	108.8	548	550	549	555
Products of petroleum and coal.....	94.6	94.6	94.1	93.0	176	176	175	173
Rubber products.....	108.5	108.0	107.0	110.0	221	220	218	224
Leather and leather products.....	89.6	90.1	91.0	94.3	324	326	329	341

<sup>1</sup>/ Preliminary.

<sup>2</sup>/ Not available.

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

(In thousands)

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscellaneous	Government
<i>Annual average:</i>									
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.....	41,534	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.....	49,950	770	2,780	16,557	4,056	10,803	2,215	5,854	6,915
1956.....	51,490	795	3,037	16,893	4,145	11,144	2,300	6,000	7,176
1956: January...	50,284	777	2,588	16,842	4,083	10,920	2,238	5,803	7,033
February...	50,246	780	2,588	16,824	4,083	10,819	2,250	5,818	7,084
March.....	50,499	783	2,669	16,764	4,106	10,931	2,265	5,859	7,122
April.....	50,848	790	2,853	16,769	4,121	10,928	2,278	5,979	7,130
May.....	51,197	786	3,040	16,715	4,138	10,985	2,289	6,041	7,203
June.....	51,709	812	3,257	16,809	4,181	11,091	2,320	6,089	7,150
July.....	50,896	746	3,270	16,291	4,148	11,015	2,342	6,137	6,947
August....	51,881	817	3,353	17,034	4,178	11,047	2,355	6,137	6,960
September..	52,261	818	3,340	17,121	4,179	11,164	2,321	6,105	7,213
October...	52,455	812	3,301	17,222	4,177	11,288	2,312	6,045	7,298
November..	52,484	811	3,191	17,151	4,170	11,496	2,313	6,010	7,342
December...	53,131	811	3,029	17,133	4,180	12,092	2,308	5,976	7,602
1957: January...	51,253	803	2,723	16,934	4,110	11,158	2,295	5,918	7,312

# Industry Employment

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

(In thousands)

Industry	All employees			Production workers		
	1957	1956	1956	1957	1956	1956
	January	December	January	January	December	January
<b>TOTAL</b> .....	51,253	53,131	50,284	-	-	-
<b>MINING</b> .....	803	811	777	-	-	-
<b>METAL MINING</b> .....	109.0	109.5	105.7	93.7	93.8	90.7
Iron mining.....	33.4	33.7	33.7	29.4	29.7	29.3
Copper mining.....	35.4	35.2	33.4	30.0	29.8	28.7
Lead and zinc mining.....	18.0	18.0	16.2	15.3	15.4	13.8
<b>ANTHRACITE</b> .....	33.5	34.3	33.3	31.0	31.7	29.9
<b>BITUMINOUS-COAL</b> .....	233.2	233.4	222.9	213.1	213.8	204.8
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION</b> .....	321.1	323.1	310.4	-	-	-
Petroleum and natural-gas production (except contract services).....	-	-	-	128.5	129.6	128.4
<b>NONMETALLIC MINING AND QUARRYING</b> .....	106.2	110.3	104.8	90.2	94.4	89.5
<b>CONTRACT CONSTRUCTION</b> .....	2,723	3,029	2,588	-	-	-
<b>NONBUILDING CONSTRUCTION</b> .....	429	494	403	-	-	-
Highway and street.....	165.3	200.1	156.5	-	-	-
Other nonbuilding construction.....	264.1	293.7	246.3	-	-	-
<b>BUILDING CONSTRUCTION</b> .....	2,294	2,535	2,185	-	-	-
<b>GENERAL CONTRACTORS</b> .....	915.3	1,039.8	880.0	-	-	-
<b>SPECIAL-TRADE CONTRACTORS</b> .....	1,378.2	1,495.5	1,304.8	-	-	-
Plumbing and heating.....	336.4	344.7	311.9	-	-	-
Painting and decorating.....	156.5	182.8	142.5	-	-	-
Electrical work.....	209.9	212.8	172.2	-	-	-
Other special-trade contractors.....	675.4	755.2	678.2	-	-	-
<b>MANUFACTURING</b> .....	16,934	17,133	16,842	13,126	13,312	13,260
<b>DURABLE GOODS</b> .....	9,948	10,029	9,811	7,713	7,791	7,751
<b>NONDURABLE GOODS</b> .....	6,986	7,104	7,031	5,413	5,521	5,509
<b>ORDNANCE AND ACCESSORIES</b> .....	131.8	132.9	131.1	81.4	82.5	87.1
<b>FOOD AND KINDRED PRODUCTS</b> .....	1,486.8	1,543.7	1,466.6	1,027.9	1,081.5	1,021.8
Meat products.....	344.9	352.2	336.7	270.4	278.2	264.4
Dairy products.....	107.0	108.4	104.4	69.2	69.9	67.1
Canning and preserving.....	176.9	195.2	173.1	143.3	161.3	141.1
Grain-mill products.....	116.8	117.5	117.9	82.2	82.4	84.0
Bakery products.....	289.4	293.6	286.9	169.1	173.2	170.3
Sugar.....	30.3	42.4	31.3	24.9	36.7	25.5
Confectionery and related products....	81.1	87.2	81.5	66.7	71.4	67.0
Beverages.....	206.0	211.7	200.3	111.5	117.0	110.2
Miscellaneous food products.....	134.4	135.5	134.5	90.6	91.4	92.2
<b>TOBACCO MANUFACTURES</b> .....	101.6	107.0	103.6	92.5	97.8	94.9
Cigarettes.....	34.2	34.3	34.1	30.7	30.7	30.8
Cigars.....	33.4	35.0	37.0	31.6	33.2	35.2
Tobacco and snuff.....	6.7	6.7	7.2	5.7	5.7	6.2
Tobacco stemming and redrying.....	27.3	31.0	25.3	24.5	28.2	22.7



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

(In thousands)

Industry	All employees			Production workers		
	1957	1956	1956	1957	1956	1956
	January	December	January	January	December	January
<b>TEXTILE-MILL PRODUCTS</b>	1,019.1	1,032.6	1,082.7	928.2	941.8	990.9
Scouring and combing plants.....	6.1	6.2	6.4	5.5	5.7	5.9
Yarn and thread mills.....	118.6	119.8	128.1	109.5	110.8	118.8
Broad-woven fabric mills.....	444.6	447.5	469.4	418.1	420.8	442.5
Narrow fabrics and smallwares.....	29.3	28.9	30.8	25.8	25.4	27.2
Knitting mills.....	211.4	218.6	224.0	190.9	198.2	203.4
Dyeing and finishing textiles.....	83.4	84.6	90.5	72.7	73.9	79.0
Carpets, rugs, other floor coverings.....	50.6	50.7	53.8	42.2	42.4	45.9
Hats (except cloth and millinery.....)	11.4	12.1	13.7	10.1	10.8	12.2
Miscellaneous textile goods.....	63.7	64.2	66.0	53.4	53.8	56.0
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS</b>	1,202.9	1,222.2	1,234.8	1,069.3	1,088.1	1,104.8
Men's and boys' suits and coats.....	121.2	122.8	122.2	109.0	110.4	109.7
Men's and boys' furnishings and work clothing.....	296.7	299.9	313.6	271.8	274.1	289.3
Women's outerwear.....	374.0	376.9	376.8	332.6	334.7	336.1
Women's, children's under garments.....	127.9	128.8	124.3	113.1	114.5	111.3
Millinery.....	18.1	17.9	21.6	15.8	15.8	19.3
Children's outerwear.....	70.2	69.7	72.1	62.4	62.1	64.6
Fur goods.....	10.0	12.9	10.9	6.9	9.9	7.9
Miscellaneous apparel and accessories....	57.6	60.1	59.7	51.4	54.3	53.2
Other fabricated textile products.....	127.2	133.2	133.6	106.3	112.3	113.4
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)</b>	643.0	675.1	703.6	576.0	606.8	634.7
Logging camps and contractors.....	68.5	82.3	83.0	62.0	75.5	76.1
Sawmills and planing mills.....	343.2	357.4	375.3	314.1	327.3	346.1
Millwork, plywood, and prefabricated structural wood products.....	121.3	124.2	133.6	100.5	103.3	111.1
Wooden containers.....	54.1	54.6	55.3	49.8	50.3	51.2
Miscellaneous wood products.....	55.9	56.6	56.4	49.6	50.4	50.2
<b>FURNITURE AND FIXTURES</b>	371.3	378.2	380.3	311.2	317.5	321.7
Household furniture.....	254.8	260.1	266.6	220.3	225.3	232.3
Office, public-building, and professional furniture.....	47.3	48.1	46.8	37.8	38.8	38.0
Partitions, shelving, lockers, and fixtures.....	41.2	41.2	39.3	30.9	31.0	30.4
Screens, blinds, and miscellaneous furniture and fixtures.....	28.0	28.8	27.6	22.2	22.4	21.0
<b>PAPER AND ALLIED PRODUCTS</b>	572.6	577.1	558.7	465.4	469.8	457.6
Pulp, paper, and paperboards mills.....	286.3	288.3	277.9	236.5	238.7	231.5
Paperboard containers and boxes.....	151.3	153.9	148.8	122.7	125.2	121.4
Other paper and allied products.....	135.0	134.9	132.0	106.2	105.9	104.7
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	864.2	877.4	836.4	557.2	566.2	538.2
Newspapers.....	319.9	323.9	304.5	159.3	162.3	150.7
Periodicals.....	63.9	69.0	66.6	26.5	28.6	28.3
Books.....	55.7	55.7	52.1	35.6	35.4	32.2
Commercial printing.....	228.1	228.9	219.9	183.8	185.0	179.7
Lithographing.....	62.4	64.0	62.3	47.4	48.9	46.4
Greeting cards.....	17.2	18.5	18.0	11.9	13.1	12.9
Bookbinding and related industries.....	47.4	47.6	44.7	38.5	38.7	35.6
Miscellaneous publishing and printing services.....	69.6	69.8	68.3	54.2	54.2	52.4

# Industry Employment

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

(In thousands)

Industry	All employees			Production workers		
	1957	1956	1956	1957	1956	1956
	January	December	January	January	December	January
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	<b>838.2</b>	<b>839.6</b>	<b>824.3</b>	<b>552.8</b>	<b>552.0</b>	<b>556.2</b>
Industrial inorganic chemicals.....	110.0	110.0	108.0	75.6	75.4	76.0
Industrial organic chemicals.....	319.8	318.9	314.3	216.5	215.2	219.7
Drugs and medicines.....	96.2	96.6	92.6	56.8	56.3	56.0
Soap, cleaning and polishing preparations.....	49.3	49.3	49.9	29.6	29.6	30.1
Paints, pigments, and fillers.....	75.0	74.9	74.0	46.6	46.7	46.9
Gum and wood chemicals.....	8.7	8.6	8.4	7.4	7.2	7.1
Fertilizers.....	35.6	34.4	35.9	26.6	25.4	27.1
Vegetable and animal oils and fats.....	41.8	43.0	43.6	29.4	30.3	30.9
Miscellaneous chemicals.....	101.8	103.9	97.6	64.3	65.9	62.4
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	<b>252.2</b>	<b>253.3</b>	<b>249.1</b>	<b>171.7</b>	<b>173.1</b>	<b>170.5</b>
Petroleum refining.....	202.1	202.1	199.2	132.0	132.0	130.1
Coke, other petroleum and coal products..	50.1	51.2	49.9	39.7	41.1	40.4
<b>RUBBER PRODUCTS.....</b>	<b>282.3</b>	<b>281.9</b>	<b>288.9</b>	<b>222.0</b>	<b>221.5</b>	<b>229.5</b>
Tires and inner tubes.....	121.7	121.4	121.8	93.8	93.2	93.7
Rubber footwear.....	22.4	22.7	25.0	18.1	18.4	21.0
Other rubber products.....	138.2	137.8	142.1	110.1	109.9	114.8
<b>LEATHER AND LEATHER PRODUCTS.....</b>	<b>365.9</b>	<b>369.1</b>	<b>385.8</b>	<b>326.0</b>	<b>329.1</b>	<b>345.0</b>
Leather: tanned, curried, and finished...	43.8	44.3	45.3	39.2	39.7	40.7
Industrial leather belting and packing...	4.7	4.8	5.2	3.5	3.6	4.0
Boot and shoe cut stock and findings....	17.5	17.7	18.8	15.7	15.9	17.0
Footwear (except rubber).....	240.5	239.2	253.5	216.5	215.0	228.4
Luggage.....	14.3	15.0	15.1	12.0	12.7	12.8
Handbags and small leather goods.....	29.4	30.3	31.6	25.6	26.6	28.0
Gloves and miscellaneous leather goods...	15.7	17.8	16.3	13.5	15.6	14.1
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	<b>553.0</b>	<b>567.1</b>	<b>556.7</b>	<b>460.2</b>	<b>473.0</b>	<b>467.5</b>
Flat glass.....	33.8	34.9	35.0	30.5	31.3	31.3
Glass and glassware, pressed or blown...	95.5	98.2	95.2	80.6	83.1	80.2
Glass products made of purchased glass...	18.5	19.1	18.9	15.5	16.1	16.2
Cement, hydraulic.....	42.7	43.2	42.9	35.9	36.4	36.0
Structural clay products.....	80.3	83.0	83.1	70.6	73.3	74.2
Pottery and related products.....	53.8	55.1	54.2	47.2	48.5	48.0
Concrete, gypsum, and plaster products...	113.1	116.5	110.8	90.8	93.7	90.5
Cut-stone and stone products.....	20.1	20.4	20.1	17.5	17.8	17.6
Miscellaneous nonmetallic mineral products.....	95.2	96.7	96.5	71.6	72.8	73.5
<b>PRIMARY METAL INDUSTRIES.....</b>	<b>1,351.3</b>	<b>1,353.8</b>	<b>1,345.6</b>	<b>1,131.9</b>	<b>1,133.2</b>	<b>1,141.0</b>
Blast furnaces, steel works, and rolling mills.....	664.5	666.6	659.3	563.4	565.3	566.5
Iron and steel foundries.....	236.0	237.2	245.8	205.8	206.6	216.6
Primary smelting and refining of nonferrous metals.....	73.2	73.2	66.4	59.1	59.1	53.6
Secondary smelting and refining of nonferrous metals.....	13.8	13.8	13.5	10.3	10.3	10.3
Rolling, drawing, and alloying of nonferrous metals.....	116.5	116.3	119.4	91.7	91.4	95.6
Nonferrous foundries.....	80.8	80.7	80.7	67.3	67.0	67.8
Miscellaneous primary metal industries...	166.5	166.0	160.5	134.3	133.5	130.6

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

(In thousands)

Industry	All employees			Production workers		
	1957	1956	1956	1957	1956	1956
	January	December	January	January	December	January
<b>FABRICATED METAL PRODUCTS (EXCEPT ORD-NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)</b> .....	1,138.6	1,143.2	1,134.5	904.5	909.2	912.5
Tin cans and other tinware.....	53.3	53.3	54.0	46.4	46.2	46.7
Cutlery, hand tools, and hardware.....	152.0	152.9	158.6	122.8	123.9	130.0
Heating apparatus (except electric) and plumbers' supplies.....	109.9	113.3	125.2	83.4	86.1	97.4
Fabricated structural metal products....	322.0	321.5	288.3	240.7	240.8	216.8
Metal stamping, coating, and engraving...	250.8	252.2	252.2	208.0	209.4	211.3
Lighting fixtures.....	50.0	50.5	51.5	40.2	40.6	41.8
Fabricated wire products.....	63.3	63.3	63.2	52.2	52.6	52.9
Miscellaneous fabricated metal products..	137.3	136.2	141.5	110.8	109.6	115.6
<b>MACHINERY (EXCEPT ELECTRICAL)</b> .....	1,768.8	1,756.3	1,689.1	1,300.8	1,288.8	1,261.3
Engines and turbines.....	86.5	87.1	76.4	62.8	63.3	56.3
Agricultural machinery and tractors.....	144.5	139.1	159.3	104.6	99.1	119.2
Construction and mining machinery.....	159.7	159.3	147.4	116.4	115.8	108.0
Metalworking machinery.....	297.4	296.4	281.5	228.4	227.6	217.7
Special-industry machinery (except metalworking machinery).....	195.0	194.7	188.4	137.3	137.3	134.3
General industrial machinery.....	276.3	275.9	251.6	185.1	184.4	171.8
Office and store machines and devices....	137.0	135.1	118.4	102.7	101.0	90.0
Service-industry and household machines..	189.4	186.8	193.2	143.0	140.7	147.9
Miscellaneous machinery parts.....	283.0	281.9	272.9	220.5	219.6	216.1
<b>ELECTRICAL MACHINERY</b> .....	1,246.9	1,259.2	1,162.5	893.8	906.7	853.7
Electrical generating, transmission, distribution, and industrial apparatus..	430.4	430.9	381.8	301.5	304.2	271.2
Electrical appliances.....	52.7	52.5	49.4	41.5	41.1	39.8
Insulated wire and cable.....	25.1	25.2	23.7	19.6	19.9	18.9
Electrical equipment for vehicles.....	79.1	78.2	83.4	63.9	63.3	68.5
Electric lamps.....	32.7	32.4	25.9	28.6	28.3	22.9
Communication equipment.....	574.5	586.8	546.5	400.2	410.5	393.5
Miscellaneous electrical products.....	52.4	53.2	51.8	38.5	39.4	38.9
<b>TRANSPORTATION EQUIPMENT</b> .....	1,924.0	1,921.5	1,891.3	1,439.4	1,438.6	1,448.7
Automobiles.....	839.7	844.3	933.8	683.5	688.7	772.4
Aircraft and parts.....	873.5	869.5	764.1	582.3	578.0	517.3
Aircraft.....	557.5	552.3	489.5	369.6	366.2	331.9
Aircraft engines and parts.....	178.1	179.4	154.3	114.9	114.1	98.3
Aircraft propellers and parts.....	18.6	18.6	14.3	12.5	12.5	9.8
Other aircraft parts and equipment.....	119.3	119.2	106.0	85.3	85.2	77.3
Ship and boat building and repairing....	140.5	138.3	123.8	120.4	118.8	105.9
Shipbuilding and repairing.....	117.1	115.9	98.9	100.2	99.6	84.1
Boatbuilding and repairing.....	23.4	22.4	24.9	20.2	19.2	21.8
Railroad equipment.....	62.2	60.7	61.1	46.8	46.0	46.2
Other transportation equipment.....	8.1	8.7	8.5	6.4	7.1	6.9
<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	344.9	346.4	330.8	234.9	236.2	230.4
Laboratory, scientific, and engineering instruments.....	72.6	71.5	60.1	42.3	41.5	35.5
Mechanical measuring and controlling instruments.....	86.5	87.4	84.8	60.4	61.1	59.8
Optical instruments and lenses.....	13.9	14.1	14.0	10.6	10.5	10.8
Surgical, medical, and dental instruments.....	44.2	44.0	41.8	30.9	30.6	29.2
Ophthalmic goods.....	27.9	27.9	28.0	21.9	21.9	22.4
Photographic apparatus.....	66.3	66.9	65.0	41.7	42.6	42.3
Watches and clocks.....	33.5	34.6	37.1	27.1	28.0	30.4

# Industry Employment

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

Industry	(In thousands)					
	All employees			Production workers		
	1957 January	1956 December	1956 January	1957 January	1956 December	1956 January
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>	474.1	495.4	485.8	378.7	398.6	392.4
Jewelry, silverware, and plated ware....	51.6	52.9	53.4	40.9	42.2	42.9
Musical instruments and parts.....	19.1	19.9	18.5	16.1	16.8	15.7
Toys and sporting goods.....	79.2	86.7	81.2	64.7	72.1	66.5
Pens, pencils, other office supplies....	31.2	31.8	30.6	23.3	23.7	22.7
Costume jewelry, buttons, notions.....	59.5	60.8	64.8	47.9	48.9	53.1
Fabricated plastics products.....	88.5	89.9	85.5	70.8	72.2	69.6
Other manufacturing industries.....	145.0	153.4	151.8	115.0	122.7	121.9
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,110	4,180	4,083	-	-	-
<b>TRANSPORTATION.....</b>	2,709	2,773	2,719	-	-	-
Interstate railroads.....	1,139.5	1,173.2	1,192.6	-	-	-
Class I railroads.....	996.1	1,017.8	1,045.8	-	-	-
Local railways and bus lines.....	109.9	106.5	112.2	-	-	-
Trucking and warehousing.....	804.3	830.1	780.2	-	-	-
Other transportation and services.....	659.3	662.8	633.7	-	-	-
Bus lines, except local.....	43.2	43.4	43.7	-	-	-
Air transportation (common carrier).....	141.1	136.2	119.3	-	-	-
<b>COMMUNICATION.....</b>	808	813	781	-	-	-
Telephone.....	766.0	770.0	737.4	-	-	-
Telegraph.....	41.4	42.1	43.1	-	-	-
<b>OTHER PUBLIC UTILITIES.....</b>	593	594	583	-	-	-
Gas and electric utilities.....	571.2	571.9	560.5	-	-	-
Electric light and power utilities.....	252.4	252.4	248.5	-	-	-
Gas utilities.....	145.8	146.3	142.0	-	-	-
Electric light and gas utilities combined.....	173.0	173.2	170.0	-	-	-
Local utilities, not elsewhere classified.....	22.2	22.5	22.4	-	-	-
<b>WHOLESALE AND RETAIL TRADE.....</b>	11,158	12,092	10,920	-	-	-
<b>WHOLESALE TRADE.....</b>	3,027	3,075	2,925	-	-	-
Wholesalers, full-service and limited- function.....	1,763.3	1,802.5	1,714.8	-	-	-
Automotive.....	113.4	114.3	113.7	-	-	-
Groceries, food specialties, beer, wines, and liquors.....	310.3	315.1	301.2	-	-	-
Electrical goods, machinery, hardware, and plumbing equipment.....	467.9	469.1	444.5	-	-	-
Other full-service and limited-function wholesalers.....	871.7	904.0	855.4	-	-	-
Wholesale distributors, other.....	1,263.7	1,272.6	1,209.9	-	-	-
<b>RETAIL TRADE.....</b>	8,131	9,017	7,995	-	-	-
General merchandise stores.....	1,405.0	1,974.8	1,397.0	-	-	-
Department stores and general mail-order houses.....	924.9	1,278.3	902.4	-	-	-
Other general merchandise stores.....	480.1	696.5	494.6	-	-	-
Food and liquor stores.....	1,610.3	1,649.0	1,545.8	-	-	-
Grocery, meat, and vegetable markets....	1,147.8	1,172.7	1,090.5	-	-	-
Dairy-product stores and dealers.....	226.4	227.4	223.5	-	-	-
Other food and liquor stores.....	236.1	248.9	231.8	-	-	-
Automotive and accessories dealers.....	786.2	805.9	815.5	-	-	-
Apparel and accessories stores.....	578.3	716.0	571.8	-	-	-
Other retail trade.....	3,751.0	3,870.8	3,664.5	-	-	-
Furniture and appliance stores.....	384.2	404.2	388.1	-	-	-
Drug stores.....	359.5	376.0	332.2	-	-	-

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

(In thousands)

Industry	All employees			Production workers		
	1957	1956	1956	1957	1956	1956
	January	December	January	January	December	January
<b>FINANCE, INSURANCE, AND REAL ESTATE.....</b>	2,295	2,308	2,238	-	-	-
Banks and trust companies.....	590.4	591.9	561.1	-	-	-
Security dealers and exchanges.....	83.4	83.7	80.1	-	-	-
Insurance carriers and agents.....	834.0	833.3	803.9	-	-	-
Other finance agencies and real estate..	787.2	799.0	792.7	-	-	-
<b>SERVICE AND MISCELLANEOUS.....</b>	5,918	5,976	5,803	-	-	-
Hotels and lodging places.....	459.7	465.7	457.7	-	-	-
Personal services:						
Laundries.....	328.9	330.2	330.7	-	-	-
Cleaning and dyeing plants.....	161.8	164.3	161.8	-	-	-
Motion pictures.....	208.0	211.4	216.9	-	-	-
<b>GOVERNMENT.....</b>	7,312	7,602	7,033	-	-	-
FEDERAL.....	2,196	2,483	2,156	-	-	-
STATE AND LOCAL.....	5,116	5,119	4,877	-	-	-

**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	<u>1956</u>			
1940....	8,811	71.2	34.0	Jan....	13,260	107.2	159.1
1941....	10,877	87.9	49.3	Feb....	13,212	106.8	157.7
1942....	12,854	103.9	72.2	Mar....	13,125	106.1	157.9
1943....	15,014	121.4	99.0	Apr....	13,114	106.0	158.2
1944....	14,607	118.1	102.8	May....	13,036	105.4	157.3
1945....	12,864	104.0	87.8	June...	13,078	105.7	158.2
1946....	12,105	97.9	81.2				
1947....	12,795	103.4	97.7	July...	12,514	101.2	151.0
1948....	12,715	102.8	105.1	Aug....	13,245	107.1	161.4
1949....	11,597	93.8	97.2	Sept...	13,335	107.8	165.8
1950....	12,317	99.6	111.7	Oct....	13,439	108.7	168.7
1951....	13,155	106.4	129.8	Nov....	13,353	108.0	167.7
1952....	13,144	106.3	136.6	Dec....	13,312	107.6	170.9
1953....	13,833	111.8	151.4				
1954....	12,589	101.8	137.7	<u>1957</u>			
1955....	13,053	105.5	152.5	Jan....	13,126	106.1	164.8
1956....	13,174	106.5	161.3				

# Shipyards

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

(In thousands)

Region <sup>1/</sup>	1957	1956	1956
	January	December	January
<b>ALL REGIONS</b> .....	217.5	216.4	202.9
<b>PRIVATE YARDS</b> .....	117.1	115.9	98.9
<b>NAVY YARDS</b> .....	100.4	100.5	104.0
<b>NORTH ATLANTIC</b> .....	91.7	91.5	85.7
Private yards.....	47.1	47.1	40.5
Navy yards <sup>2/</sup> .....	44.6	44.4	45.2
<b>SOUTH ATLANTIC</b> .....	38.1	37.6	34.7
Private yards.....	18.5	17.9	14.4
Navy yards.....	19.6	19.7	20.3
<b>GULF:</b>			
Private yards.....	25.0	25.0	19.7
<b>PACIFIC</b> .....	50.3	51.5	51.8
Private yards.....	14.1	15.1	13.3
Navy yards.....	36.2	36.4	38.5
<b>GREAT LAKES:</b>			
Private yards.....	6.8	5.3	5.4
<b>INLAND:</b>			
Private yards.....	5.6	5.5	5.6

<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	1956
	January	December	January
<b>TOTAL CIVILIAN EMPLOYMENT</b> <sup>1/</sup> .....	7,312	7,602	7,033
<b>FEDERAL EMPLOYMENT</b> <sup>2/</sup> .....	2,196	2,483	2,156
Executive.....	2,170.1	2,456.2	2,130.0
Department of Defense.....	1,033.5	1,034.8	1,022.6
Post Office Department.....	519.1	805.3	508.7
Other agencies.....	617.6	616.1	598.6
Legislative.....	21.8	22.0	21.6
Judicial.....	4.5	4.4	4.3
<b>DISTRICT OF COLUMBIA</b> <sup>3/</sup> .....	232.2	239.4	228.1
Executive.....	211.4	218.5	207.6
Department of Defense.....	88.0	88.0	88.5
Post Office Department.....	8.9	16.8	8.5
Other agencies.....	114.5	113.7	110.7
Legislative.....	20.1	20.2	19.8
Judicial.....	.7	.7	.7
<b>STATE AND LOCAL EMPLOYMENT</b> .....	5,116	5,119	4,877
State.....	1,319.0	1,319.7	1,242.0
Local.....	3,797.1	3,798.9	3,635.2
Education.....	2,351.1	2,351.6	2,210.4
Other.....	2,765.0	2,767.0	2,666.8
<b>TOTAL MILITARY PERSONNEL</b> <sup>4/</sup> .....	2,817	2,809	2,908
Army.....	993.4	992.3	1,070.7
Air Force.....	917.9	914.6	938.7
Navy.....	676.8	673.1	669.8
Marine Corps.....	200.0	200.8	199.5
Coast Guard.....	29.0	28.6	29.3

<sup>1/</sup> Data refer to Continental United States only.

<sup>2/</sup> Data are prepared by the Civil Service Commission.

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

<sup>4/</sup> Data refer to Continental United States and elsewhere.

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	
	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.
Alabama.....	734.9	744.8	709.9	14.3	14.3	15.7	41.1	41.6	33.0
Arizona.....	253.5	257.8	234.6	16.2	16.1	15.0	20.4	21.1	19.0
Arkansas.....	322.3	333.8	317.7	6.4	6.5	6.4	13.3	14.7	14.4
California.....	4,386.2	4,548.2	4,130.4	36.9	37.4	37.2	270.5	287.3	249.7
Colorado.....	454.8	469.0	436.3	16.5	16.3	16.1	29.3	31.6	28.2
Connecticut.....	911.9	930.3	884.2	(1/)	(1/)	(1/)	42.3	49.7	41.6
Delaware.....	147.2	153.5	145.5	(2/)	(2/)	(2/)	13.0	15.7	13.5
District of Columbia.....	499.6	516.5	492.4	(2/)	(2/)	(2/)	16.3	17.2	15.6
Florida.....	1,132.6	1,128.6	1,045.8	7.6	7.5	7.4	113.0	116.4	104.2
Georgia.....	972.0	995.9	955.0	4.9	4.9	4.7	50.3	53.0	49.4
Idaho.....	138.8	145.6	133.3	5.0	5.0	4.2	6.9	8.1	6.7
Illinois.....	3,428.3	3,525.7	3,413.5	31.3	31.7	31.4	165.6	183.9	161.5
Indiana.....	1,396.6	1,435.3	1,412.3	10.3	10.8	10.4	59.0	68.1	66.2
Iowa.....	644.2	664.5	637.5	3.0	3.1	3.0	29.9	34.4	29.1
Kansas.....	543.9	557.3	537.7	18.2	18.5	18.8	29.6	33.6	33.9
Kentucky.....	-	-	-	38.8	39.3	40.0	-	-	-
Louisiana 3/.....	767.3	787.8	732.0	45.3	45.2	42.3	67.1	67.7	52.1
Maine 3/.....	273.3	284.4	271.5	.5	.5	.4	10.7	13.1	9.7
Maryland 3/.....	862.0	897.1	826.7	2.6	2.6	2.5	60.2	69.3	58.7
Massachusetts.....	1,817.7	1,892.8	1,802.7	(2/)	(2/)	(2/)	66.5	79.4	65.2
Michigan.....	(4/)	2,451.1	2,458.5	(4/)	16.3	15.2	(4/)	108.9	105.3
Minnesota.....	861.9	900.0	853.1	18.4	18.9	17.4	40.6	46.3	46.3
Mississippi 3/.....	362.2	374.3	358.3	3.9	3.8	3.5	14.8	14.9	15.0
Missouri.....	1,279.0	1,322.7	1,278.5	8.7	8.8	8.4	63.6	69.8	63.8
Montana.....	156.9	162.4	154.7	12.2	12.1	12.3	8.5	10.2	8.2
Nebraska.....	(4/)	357.1	350.6	(4/)	2.0	2.1	(4/)	18.7	17.7
Nevada.....	82.5	85.3	80.4	5.3	5.2	5.1	6.6	7.2	7.6
New Hampshire.....	178.5	184.4	177.5	.2	.2	.2	7.1	8.8	7.6
New Jersey 3/.....	1,901.2	1,957.7	1,868.7	4.6	4.9	3.9	95.2	107.6	88.5
New Mexico.....	196.7	202.3	183.4	16.0	16.2	15.6	14.8	16.0	13.8
New York 3/.....	5,984.5	6,228.2	5,917.3	10.1	10.8	10.4	221.4	248.3	212.4
North Carolina 3/.....	1,089.9	1,117.4	1,078.9	4.1	4.1	4.0	53.4	57.5	54.2
North Dakota.....	(4/)	116.7	109.1	(4/)	1.7	1.7	(4/)	7.4	5.0
Ohio.....	3,081.7	3,192.7	3,086.6	21.4	21.6	21.1	142.0	166.1	148.0
Oklahoma.....	567.7	577.4	565.0	51.1	51.0	52.2	33.0	35.1	32.4
Oregon.....	465.9	487.9	457.6	1.1	1.1	1.0	21.0	23.0	19.2
Pennsylvania 2/.....	3,687.5	3,823.8	3,650.6	91.5	93.0	93.6	146.6	175.6	157.2
Rhode Island 3/.....	286.1	296.3	295.1	(2/)	(2/)	(2/)	13.5	16.2	14.3
South Carolina.....	531.3	542.8	531.9	1.2	1.3	1.3	26.3	27.1	27.3
South Dakota.....	122.3	125.7	120.2	2.6	2.6	2.4	7.1	8.3	6.2
Tennessee.....	(4/)	873.7	852.2	(4/)	8.6	8.7	(4/)	41.1	41.5
Texas 3/.....	2,431.3	2,497.4	2,341.1	131.2	131.5	128.1	162.5	166.0	154.2
Utah.....	229.6	238.2	220.7	15.4	15.4	15.4	12.9	13.7	12.5
Vermont 3/.....	102.6	105.2	101.1	1.3	1.4	1.4	3.5	4.4	3.4
Virginia.....	984.4	1,011.6	935.0	18.7	18.6	17.1	68.9	70.4	56.8
Washington.....	768.0	794.2	730.8	2.2	2.3	2.3	39.7	42.6	34.3
West Virginia.....	487.4	506.9	479.9	81.7	81.8	79.9	20.6	22.9	18.7
Wisconsin 3/.....	1,119.6	1,158.6	1,103.0	3.8	4.0	3.7	49.5	55.0	50.6
Wyoming.....	83.9	87.3	80.0	8.8	8.9	8.6	5.4	6.1	4.8

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		Jan.
	Jan.	Dec.	Jan.	Dec.	Jan.	Dec.	Jan.	Dec.	
Alabama.....	244.8	246.2	243.3	50.3	50.4	50.1	152.8	160.9	147.4
Arizona.....	37.7	37.9	33.4	21.3	21.8	21.1	62.6	64.8	59.0
Arkansas.....	85.7	87.0	88.1	28.3	28.8	28.6	79.3	86.5	75.8
California.....	1,217.5	1,233.8	1,126.6	358.6	363.5	339.2	984.5	1,072.6	939.8
Colorado.....	73.7	75.7	66.9	44.1	45.0	44.3	122.9	129.4	117.7
Connecticut.....	437.4	438.3	432.8	45.0	44.8	44.2	165.2	167.9	151.9
Delaware.....	59.0	59.6	60.3	11.1	11.2	11.1	28.7	30.6	27.3
District of Columbia.....	16.2	16.5	15.8	29.5	29.9	28.6	88.8	96.0	89.6
Florida.....	164.3	163.0	152.2	92.7	92.4	85.6	344.0	346.9	317.3
Georgia.....	334.9	337.2	337.1	74.1	74.3	72.1	216.4	234.1	214.4
Idaho.....	24.8	26.8	24.4	15.6	15.7	15.4	35.8	38.7	34.3
Illinois.....	1,278.6	1,285.3	1,291.8	308.6	310.7	304.7	720.4	766.3	721.1
Indiana.....	612.3	616.5	633.4	101.4	102.2	101.7	299.3	319.7	292.2
Iowa.....	168.0	169.5	170.4	53.5	54.3	55.2	176.1	184.3	174.8
Kansas.....	127.8	128.4	121.8	61.0	61.8	63.5	132.1	138.1	131.2
Kentucky.....	172.6	175.7	174.2	55.6	56.4	57.6	138.8	150.3	134.5
Louisiana 3/.....	146.6	152.6	146.9	86.1	86.3	84.5	182.6	194.5	176.4
Maine 3/.....	107.0	108.3	109.1	20.8	20.9	20.7	54.5	59.8	54.3
Maryland 3/.....	274.8	276.4	260.4	78.5	78.6	74.5	185.0	201.9	178.7
Massachusetts.....	705.3	715.1	713.0	120.2	121.2	119.3	381.3	408.9	373.6
Michigan.....	(4/)	1,099.8	1,171.3	(4/)	152.2	151.8	(4/)	500.2	469.8
Minnesota.....	216.2	220.5	208.4	85.6	90.0	84.4	216.0	230.5	216.5
Mississippi 3/.....	105.9	106.7	107.2	25.4	26.0	25.2	86.7	96.5	86.9
Missouri.....	392.2	393.8	391.1	124.8	128.2	124.9	309.3	330.9	321.3
Montana.....	20.1	21.1	19.5	20.4	21.0	21.0	39.3	41.2	39.1
Nebraska.....	(4/)	57.3	58.4	(4/)	39.2	40.5	(4/)	102.4	98.0
Nevada.....	5.6	5.7	5.7	9.0	9.1	9.0	16.7	18.5	17.0
New Hampshire.....	83.0	83.0	83.8	10.4	10.5	10.6	32.5	35.0	31.8
New Jersey 3/.....	816.4	821.4	812.0	154.4	155.9	149.9	346.3	373.2	341.0
New Mexico.....	19.6	19.9	18.1	19.8	19.8	18.8	43.5	46.2	40.9
New York 3/.....	1,913.4	1,956.9	1,901.9	499.4	507.3	497.6	1,323.3	1,437.3	1,312.2
North Carolina 3/.....	471.4	476.8	471.4	62.7	62.7	62.6	224.2	242.0	221.3
North Dakota.....	(4/)	6.3	6.2	(4/)	13.2	13.1	(4/)	39.3	36.4
Ohio.....	1,365.4	1,372.8	1,379.0	220.6	224.9	221.5	597.5	652.7	593.7
Oklahoma.....	90.3	91.0	90.5	48.5	48.7	50.7	138.2	145.9	140.5
Oregon.....	124.3	132.6	130.0	47.1	48.2	47.2	114.4	121.5	111.4
Pennsylvania.....	1,486.9	1,497.6	1,470.5	311.5	316.6	314.7	700.6	758.7	691.9
Rhode Island 3/.....	125.0	126.3	132.2	15.6	15.6	16.0	54.0	58.1	55.6
South Carolina.....	230.0	229.8	234.0	25.8	25.8	25.6	107.1	116.0	105.3
South Dakota.....	11.2	11.7	11.2	9.7	9.8	9.6	38.4	40.0	38.6
Tennessee.....	(4/)	291.1	295.5	(4/)	59.6	59.6	(4/)	214.6	197.8
Texas 3/.....	480.1	479.3	461.7	228.3	233.1	226.7	659.1	700.8	632.9
Utah.....	34.4	36.1	32.5	22.1	22.2	21.7	54.3	59.5	51.2
Vermont 3/.....	38.8	39.0	38.1	7.8	8.1	7.8	19.7	20.6	19.4
Virginia.....	259.9	262.3	253.7	90.3	90.9	87.0	229.1	248.2	215.3
Washington.....	208.2	211.6	193.4	64.7	66.4	61.6	178.2	192.5	174.0
West Virginia.....	128.9	130.6	129.4	51.0	51.3	50.5	87.5	98.9	86.4
Wisconsin 3/.....	458.5	462.6	460.8	73.0	75.0	73.9	242.0	260.4	233.0
Wyoming.....	6.0	6.6	6.3	12.8	13.0	13.4	18.6	19.9	17.1

See footnotes at end of table.

# State Employment

**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
	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.
Alabama.....	28.0	27.9	26.3	66.0	66.0	63.9	137.6	137.5	130.2
Arizona.....	9.9	9.8	9.1	32.9	32.9	30.0	52.5	53.4	48.0
Arkansas.....	10.1	10.2	9.7	37.4	37.7	35.8	61.8	62.4	58.9
California.....	215.1	217.6	204.7	576.3	580.4	542.9	726.8	755.6	690.3
Colorado.....	20.4	20.6	20.4	57.6	58.1	55.6	90.3	92.3	87.1
Connecticut.....	48.2	48.3	45.7	91.4	92.9	88.9	82.4	88.4	79.0
Delaware.....	5.4	5.4	5.1	14.3	14.7	13.4	15.7	16.3	14.8
District of Columbia <sup>6/</sup> .....	24.7	24.7	24.4	70.4	70.5	68.2	253.7	261.7	250.2
Florida.....	56.1	56.3	52.8	179.5	168.8	162.9	175.4	177.3	163.4
Georgia.....	39.6	39.5	37.4	94.0	94.5	92.0	157.8	158.4	147.9
Idaho.....	4.7	4.7	4.5	18.2	17.9	17.0	27.8	28.7	26.8
Illinois.....	173.7	174.0	173.6	401.1	401.0	387.6	349.1	372.9	341.9
Indiana.....	50.4	50.6	48.5	109.4	109.8	108.3	154.5	157.7	151.7
Iowa.....	29.9	30.1	28.5	74.3	74.5	72.9	109.7	114.5	103.8
Kansas.....	20.0	20.0	19.3	58.4	58.9	56.4	96.8	98.0	92.8
Kentucky.....	20.1	20.0	19.7	68.2	68.6	65.9	102.2	106.4	98.1
Louisiana <sup>3/</sup> .....	27.6	27.7	26.0	86.7	86.8	82.7	125.3	127.0	121.1
Maine <sup>3/</sup> .....	8.6	8.7	8.1	26.1	26.6	26.0	45.1	46.5	43.2
Maryland <sup>3/ 6/</sup> .....	39.4	39.3	38.0	97.3	99.8	92.2	124.2	129.2	121.7
Massachusetts.....	93.5	93.1	89.0	224.5	225.9	222.0	226.4	249.2	220.6
Michigan.....	(4/)	77.8	73.2	(4/)	223.5	217.0	(4/)	272.3	254.9
Minnesota.....	42.4	42.1	41.1	105.1	105.9	105.0	137.7	145.8	134.0
Mississippi <sup>3/</sup> .....	11.1	11.1	10.5	39.4	39.6	38.3	75.0	75.7	71.7
Missouri.....	62.8	63.1	62.9	156.4	156.1	151.4	161.2	172.0	154.7
Montana.....	5.8	5.7	5.5	19.5	19.7	19.3	31.1	31.4	29.8
Nebraska.....	(4/)	20.6	20.1	(4/)	46.1	45.4	(4/)	70.8	68.4
Nevada.....	2.4	2.4	2.4	21.2	21.4	19.7	15.7	15.8	13.9
New Hampshire.....	6.0	6.0	5.7	18.6	18.8	18.0	20.7	22.1	19.8
New Jersey <sup>3/</sup> .....	81.0	81.5	78.9	200.6	201.4	192.7	202.7	211.8	201.8
New Mexico.....	6.8	6.8	6.3	23.6	23.8	21.8	52.6	53.6	48.1
New York <sup>3/</sup> .....	441.7	444.1	440.2	822.0	828.0	815.0	753.1	795.7	727.5
North Carolina <sup>3/</sup> .....	35.4	35.2	32.7	96.9	97.0	96.1	141.8	142.1	136.6
North Dakota.....	(4/)	5.0	4.8	(4/)	15.9	15.2	(4/)	27.9	26.7
Ohio.....	101.4	102.5	99.2	283.5	286.2	282.7	349.8	366.0	341.5
Oklahoma.....	22.5	22.7	21.7	62.1	62.3	61.7	122.0	120.7	115.3
Oregon.....	18.2	18.4	18.1	57.6	58.1	54.5	82.2	85.0	76.2
Pennsylvania.....	134.6	135.4	131.9	413.8	415.9	398.0	402.0	431.0	392.8
Rhode Island <sup>3/</sup> .....	12.5	12.6	12.1	29.6	29.6	29.3	35.9	37.9	35.6
South Carolina.....	15.4	15.4	15.0	42.5	42.8	42.1	83.0	84.6	81.3
South Dakota.....	5.1	5.2	5.1	17.2	17.2	16.6	31.1	31.0	30.6
Tennessee.....	(4/)	28.9	28.2	(4/)	92.3	91.7	(4/)	137.5	129.2
Texas <sup>3/</sup> .....	111.8	112.0	105.9	288.9	292.8	280.5	369.4	381.9	351.1
Utah.....	9.4	9.4	9.2	25.4	25.7	24.0	55.9	56.2	54.2
Vermont <sup>3/</sup> .....	3.5	3.4	3.4	12.2	11.9	11.9	15.9	16.5	15.8
Virginia <sup>6/</sup> .....	41.7	42.0	40.4	102.6	102.9	96.5	173.2	176.3	168.2
Washington.....	33.7	33.5	32.4	88.0	89.4	83.3	153.3	155.9	149.5
West Virginia.....	12.2	12.3	11.9	43.9	44.2	43.0	61.6	64.9	60.1
Wisconsin <sup>3/</sup> .....	40.2	40.5	38.5	115.9	117.2	111.9	136.9	143.5	130.7
Wyoming.....	2.3	2.3	2.2	10.7	10.5	9.5	19.3	20.0	18.1

<sup>1/</sup> Mining combined with construction. <sup>2/</sup> Mining combined with service. <sup>3/</sup> Revised series; not strictly comparable with previously published data. <sup>4/</sup> Not available. <sup>5/</sup> Mining and total revised; not strictly comparable with previously published data. <sup>6/</sup> 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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>ALABAMA</b>				<b>Los Angeles-Long Beach</b>			
<u>Birmingham</u>				<u>Total</u> .....	2,155.7	2,222.6	2,043.8
Total.....	207.4	209.8	200.4	Mining.....	15.5	15.8	15.4
Mining.....	9.7	9.7	10.8	Contract construction...	123.2	128.8	120.9
Contract construction...	13.0	13.4	10.7	Manufacturing.....	764.9	768.5	720.0
Manufacturing.....	69.0	69.0	66.1	Trans. and pub. util....	138.4	139.4	131.6
Trans. and pub. util....	16.6	16.8	16.5	Trade.....	469.9	511.9	452.3
Trade.....	46.9	48.4	46.2	Finance.....	108.8	109.5	100.3
Finance.....	12.0	12.0	11.5	Service.....	300.8	302.5	282.5
Service.....	21.7	21.9	21.2	Government.....	234.2	246.2	220.8
Government.....	18.7	18.7	17.7				
				<u>Sacramento</u>			
<u>Mobile</u>				<u>Total</u> .....	133.1	136.7	123.2
Total.....	88.6	90.0	84.4	Mining.....	.5	.6	.5
Contract construction...	4.9	5.1	4.9	Contract construction...	9.0	9.4	8.0
Manufacturing.....	19.4	19.7	16.9	Manufacturing.....	15.2	15.4	11.7
Trans. and pub. util....	10.5	10.3	10.5	Trans. and pub. util....	12.7	12.9	12.6
Trade.....	18.3	19.4	18.0	Trade.....	26.9	29.4	25.5
Finance.....	3.7	3.7	3.6	Finance.....	5.2	5.2	4.7
Service 1/.....	9.4	9.3	9.0	Service.....	11.6	11.5	10.7
Government.....	22.7	22.6	21.7	Government.....	52.0	52.3	49.5
<b>ARIZONA</b>				<b>San Bernardino-</b>			
<u>Phoenix</u>				<u>Riverside-Ontario</u>			
Total.....	127.8	129.4	117.0	Manufacturing.....	27.3	27.9	26.9
Mining.....	.2	.2	.2				
Contract construction...	11.1	11.1	10.2	<u>San Diego</u>			
Manufacturing.....	22.3	22.3	19.2	<u>Total</u> .....	219.6	224.2	193.9
Trans. and pub. util....	9.8	10.1	9.9	Mining.....	.2	.2	.2
Trade.....	36.4	37.4	33.6	Contract construction...	14.2	14.6	12.8
Finance.....	6.9	6.7	6.3	Manufacturing.....	68.3	67.5	49.9
Service.....	17.1	16.9	15.9	Trans. and pub. util....	11.6	11.8	11.2
Government.....	24.0	24.7	21.7	Trade.....	45.8	49.4	43.7
				Finance.....	9.9	10.2	8.9
<u>Tucson</u>				Service.....	25.4	25.4	24.4
Total.....	55.0	55.4	50.7	Government.....	44.2	45.1	42.8
Mining.....	2.3	2.2	2.0				
Contract construction...	4.1	4.6	4.2	<u>San Francisco-Oakland</u>			
Manufacturing.....	9.6	9.5	8.5	<u>Total</u> .....	934.3	966.7	903.3
Trans. and pub. util....	5.0	5.1	5.1	Mining.....	1.9	1.9	1.7
Trade.....	12.8	12.9	12.1	Contract construction...	56.4	60.2	55.0
Finance.....	1.7	1.7	1.6	Manufacturing.....	191.8	193.2	184.1
Service.....	9.0	8.8	7.7	Trans. and pub. util....	108.6	109.5	104.4
Government.....	10.5	10.6	9.5	Trade.....	212.4	229.0	208.1
				Finance.....	65.9	66.4	61.4
				Service.....	119.3	120.2	114.7
				Government.....	178.0	186.3	173.9
<b>ARKANSAS</b>				<b>San Jose</b>			
<u>Little Rock-</u>				<u>Total</u> .....	122.8	127.3	108.1
<u>N. Little Rock</u>				Mining.....	.1	.1	.1
Total.....	69.9	72.6	70.3	Contract construction...	9.8	10.5	9.0
Contract construction...	3.7	4.4	5.1	Manufacturing.....	36.9	37.5	29.1
Manufacturing.....	11.6	11.7	12.6	Trans. and pub. util....	8.2	8.5	7.8
Trans. and pub. util....	7.9	8.0	8.1	Trade.....	26.2	28.5	23.3
Trade.....	18.3	19.9	17.6	Finance.....	5.6	5.7	5.4
Finance.....	4.7	4.8	4.5	Service.....	17.5	17.4	15.9
Service 1/.....	10.1	10.2	9.7	Government.....	18.5	19.1	17.5
Government.....	13.7	13.8	12.8				
<b>CALIFORNIA</b>							
<u>Fresno</u>							
Manufacturing.....	14.2	15.4	13.3				

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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>CALIFORNIA-Continued</b>				<b>Stanford-Continued</b>			
<u>Stockton</u>				<u>Manufacturing.....</u>	21.5	21.4	20.3
Manufacturing.....	10.2	11.2	9.9	<u>Trans. and pub. util....</u>	3.0	3.1	2.9
<b>COLORADO</b>				<u>Trade.....</u>	10.8	12.0	10.4
<u>Denver</u>				<u>Finance.....</u>	1.8	1.8	1.7
Total.....	271.0	278.4	253.5	<u>Service.....</u>	7.9	8.1	7.5
Mining.....	2.9	2.9	2.9	<u>Government.....</u>	3.7	4.1	3.7
Contract construction...	18.3	20.1	17.3	<u>Waterbury</u>			
Manufacturing.....	51.2	51.1	43.8	Total.....	65.8	68.4	69.8
Trans. and pub. util....	28.9	29.5	28.2	Contract construction 1/	1.9	2.2	2.1
Trade.....	78.1	81.5	73.1	Manufacturing.....	40.4	41.0	44.7
Finance.....	15.3	15.2	14.7	Trans. and pub. util....	2.7	2.7	2.7
Service.....	33.8	34.0	33.6	Trade.....	10.2	11.2	9.7
Government.....	42.5	44.1	39.9	Finance.....	1.4	1.4	1.4
<b>CONNECTICUT</b>				Service.....	4.4	4.4	4.3
<u>Bridgeport 2/</u>				Government.....	5.0	5.5	5.0
Total.....	125.1	128.8	122.7	<b>DELAWARE</b>			
Contract construction 1/	5.2	5.8	5.2	<u>Wilmington</u>			
Manufacturing.....	73.6	73.6	71.8	Manufacturing.....	58.4	59.2	60.6
Trans. and pub. util....	6.0	5.9	6.0	<b>DISTRICT OF COLUMBIA</b>			
Trade.....	19.9	22.0	19.6	<u>Washington</u>			
Finance.....	2.8	2.9	2.7	Total.....	644.0	667.1	630.0
Service.....	9.7	9.8	9.7	Contract construction...	36.9	40.2	37.6
Government.....	7.9	9.0	7.8	Manufacturing.....	27.3	27.8	26.3
<u>Hartford 2/</u>				Trans. and pub. util....	43.7	44.3	42.3
Total.....	212.8	219.9	201.1	Trade.....	132.8	143.2	130.9
Contract construction 1/	9.4	10.6	8.5	Finance.....	35.3	35.4	34.6
Manufacturing.....	82.1	82.3	76.1	Service 1/.....	96.1	96.3	90.6
Trans. and pub. util....	8.9	8.9	8.1	Government.....	271.9	279.9	267.7
Trade.....	43.8	47.5	42.2	<b>FLORIDA</b>			
Finance.....	29.0	29.1	27.8	<u>Jacksonville 2/</u>			
Service.....	21.3	21.6	20.6	Total.....	131.2	133.8	123.2
Government.....	18.3	19.9	17.8	Contract construction...	9.4	9.5	8.9
<u>New Britain 2/</u>				Manufacturing.....	19.8	20.2	18.1
Total.....	43.0	44.5	43.9	Trans. and pub. util....	15.0	15.3	14.3
Contract construction 1/	1.2	1.4	1.1	Trade.....	40.2	41.7	37.2
Manufacturing.....	28.0	28.2	29.0	Finance.....	10.5	10.6	10.1
Trans. and pub. util....	2.1	2.2	2.0	Service.....	16.5	16.5	15.8
Trade.....	5.7	6.5	5.7	Government.....	19.8	20.1	19.0
Finance.....	.7	.8	.7	<u>Miami</u>			
Service.....	2.8	2.8	2.8	Total.....	284.1	277.5	264.4
Government.....	2.4	2.6	2.5	Contract construction...	24.5	26.7	23.6
<u>New Haven</u>				Manufacturing.....	34.6	33.9	33.0
Total.....	125.4	128.5	121.3	Trans. and pub. util....	35.3	34.9	31.7
Contract construction 1/	7.2	7.7	6.3	Trade.....	85.4	83.3	79.8
Manufacturing.....	47.0	47.7	46.0	Finance.....	15.3	15.2	14.1
Trans. and pub. util....	12.7	12.8	12.5	Service 1/.....	61.2	55.5	56.5
Trade.....	24.6	25.1	23.5	Government.....	27.8	28.2	25.8
Finance.....	6.8	6.8	6.5	<u>Tampa-St. Petersburg</u>			
Service.....	17.9	18.3	17.5	Total.....	159.7	160.0	152.2
Government.....	9.2	10.1	9.0	Contract construction...	17.2	17.2	16.6
<u>Stanford</u>				Manufacturing.....	28.1	27.5	26.3
Total.....	52.8	54.7	50.3	Trans. and pub. util....	12.0	12.0	11.6
Contract construction 1/	4.1	4.3	3.8	Trade.....	51.8	53.4	49.7

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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>FLORIDA-Continued</b>				<b>Rockford</b>			
Tampa-St. Petersburg-Con.				Total.....	(3/)	76.7	74.2
Finance.....	7.9	7.9	7.2	Contract construction 1/.....	(3/)	3.8	3.3
Service 1/.....	23.8	22.0	23.0	Manufacturing.....	(3/)	43.4	43.5
Government.....	19.0	20.1	18.0	Trans. and pub. util....	(3/)	2.7	2.7
<b>GEORGIA</b>				Trade.....	(3/)	13.2	12.0
<b>Atlanta</b>				Finance.....	(3/)	2.5	2.4
Total.....	341.5	350.6	336.4	Service.....	(3/)	6.7	6.6
Contract construction...	17.1	17.8	18.6	Government.....	(3/)	4.4	3.7
Manufacturing.....	90.0	90.5	90.2	<b>INDIANA</b>			
Trans. and pub. util....	34.8	34.9	33.4	<b>Evansville</b>			
Trade.....	90.2	96.7	89.4	Total.....	71.5	72.0	70.6
Finance.....	24.2	24.2	22.9	Mining.....	1.7	1.6	1.6
Service 1/.....	42.8	43.4	41.1	Contract construction...	3.8	4.0	3.6
Government.....	42.4	43.1	40.8	Manufacturing.....	32.2	31.4	31.2
<b>Savannah</b>				Trans. and pub. util....	4.9	4.9	5.1
Total.....	54.7	55.9	52.8	Trade.....	14.6	15.7	14.9
Contract construction...	3.4	3.8	2.8	Finance.....	2.2	2.2	2.2
Manufacturing.....	15.5	15.3	14.5	Service 4/.....	12.1	12.2	12.0
Trans. and pub. util....	6.5	6.7	6.4	<b>Fort Wayne</b>			
Trade.....	12.9	13.7	13.1	Total.....	80.4	81.9	82.9
Finance.....	2.0	2.0	2.0	Contract construction...	3.1	3.2	3.3
Service 1/.....	7.3	7.3	7.1	Manufacturing.....	36.1	36.2	38.7
Government.....	7.1	7.1	6.9	Trans. and pub. util....	7.6	7.6	7.5
<b>IDAHO</b>				Trade.....	17.8	18.9	18.1
<b>Boise</b>				Finance.....	3.8	3.8	3.5
Total.....	21.1	21.8	20.3	Service 5/.....	12.0	12.2	11.8
Contract construction...	1.4	1.5	1.4	<b>Indianapolis</b>			
Manufacturing.....	1.8	2.0	1.7	Total.....	289.4	295.8	286.1
Trans. and pub. util....	2.6	2.6	2.3	Contract construction...	12.7	13.6	11.5
Trade.....	6.5	6.9	6.3	Manufacturing.....	108.0	109.0	109.5
Finance.....	1.4	1.4	1.3	Trans. and pub. util....	22.9	22.5	22.3
Service.....	3.1	3.1	3.0	Trade.....	65.2	68.6	64.1
Government.....	4.3	4.3	4.3	Finance.....	17.5	17.5	17.0
<b>ILLINOIS</b>				Service 4/.....	63.1	64.6	61.7
<b>Chicago</b>				<b>South Bend</b>			
Total.....	(3/)	2,664.0	2,565.2	Total.....	83.3	85.5	84.6
Mining.....	(3/)	3.7	3.5	Contract construction...	2.6	2.8	2.8
Contract construction...	(3/)	129.0	114.0	Manufacturing.....	43.2	43.5	44.7
Manufacturing.....	(3/)	1,039.3	1,028.0	Trans. and pub. util....	4.9	4.9	4.9
Trans. and pub. util....	(3/)	226.4	223.0	Trade.....	15.1	16.5	15.2
Trade.....	(3/)	568.2	531.6	Finance.....	3.5	3.5	3.4
Finance.....	(3/)	143.9	144.1	Service 5/.....	14.0	14.3	13.6
Service.....	(3/)	309.6	298.7	<b>IOWA</b>			
Government.....	(3/)	243.8	222.3	<b>Des Moines</b>			
<b>Peoria</b>				Total.....	97.1	98.3	94.5
Total.....	(3/)	102.7	98.2	Contract construction...	4.2	4.6	4.2
Contract construction...	(3/)	4.3	4.3	Manufacturing.....	24.5	24.4	23.4
Manufacturing.....	(3/)	47.6	46.1	Trans. and pub. util....	7.9	8.0	7.9
Trans. and pub. util....	(3/)	7.1	6.9	Trade.....	26.3	27.1	25.7
Trade.....	(3/)	22.9	21.0	Finance.....	10.3	10.3	10.0
Finance.....	(3/)	3.5	3.5	Service 1/.....	12.1	12.1	12.0
Service 1/.....	(3/)	9.1	9.0	Government.....	12.0	12.0	11.4
Government.....	(3/)	8.2	7.5				

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
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>KANSAS</b>				<b>MAINE</b>			
<u>Topeka</u>				<u>Lewiston 2/</u>			
Total.....	47.0	48.1	46.5	Total.....	28.5	29.0	28.9
Mining.....	.2	.2	.2	Contract construction...	1.0	1.1	1.0
Contract construction...	3.0	3.4	3.0	Manufacturing.....	15.5	15.4	16.3
Manufacturing.....	6.0	6.2	6.0	Trans. and pub. util....	1.0	1.0	.9
Trans. and pub. util....	7.3	7.2	7.6	Trade.....	5.4	5.8	5.3
Trade.....	9.7	10.3	9.4	Finance.....	.8	.8	.7
Finance.....	2.5	2.5	2.4	Service 1/.....	3.4	3.5	3.4
Service.....	5.9	5.9	5.8	Government.....	1.4	1.4	1.3
Government.....	12.6	12.6	12.3	<u>Portland 2/</u>			
<u>Wichita</u>				Total.....	51.8	54.0	51.6
Total.....	126.6	128.3	119.6	Contract construction...	3.3	3.9	3.2
Mining.....	1.9	1.9	1.9	Manufacturing.....	12.4	12.6	12.6
Contract construction...	6.7	7.2	7.1	Trans. and pub. util....	6.4	6.5	6.4
Manufacturing.....	56.2	55.6	51.2	Trade.....	14.5	15.6	14.6
Trans. and pub. util....	7.3	7.4	7.4	Finance.....	3.5	3.5	3.4
Trade.....	26.2	27.8	25.5	Service 1/.....	7.9	8.0	7.8
Finance.....	4.7	4.7	4.8	Government.....	3.8	3.9	3.6
Service.....	12.3	12.4	11.6	<b>MARYLAND</b>			
Government.....	11.5	11.5	10.4	<u>Baltimore 2/</u>			
<b>KENTUCKY</b>				Total.....	600.9	621.8	574.5
<u>Louisville</u>				Mining.....	.9	.9	.9
Total.....	(3/)	248.1	244.6	Contract construction...	39.4	43.6	38.1
Contract construction...	(3/)	12.1	11.2	Manufacturing.....	210.9	211.3	199.1
Manufacturing.....	(3/)	99.4	100.9	Trans. and pub. util....	59.2	59.2	56.5
Trans. and pub. util....	(3/)	23.8	22.8	Trade.....	122.2	133.0	117.9
Trade.....	(3/)	55.0	53.5	Finance.....	30.1	29.7	28.8
Finance.....	(3/)	9.7	9.8	Service.....	66.2	67.3	63.2
Service 1/.....	(3/)	24.9	23.6	Government.....	72.0	76.8	70.0
Government.....	(3/)	23.2	22.8	<b>MASSACHUSETTS</b>			
<b>LOUISIANA</b>				<u>Boston 2/</u>			
<u>Baton Rouge</u>				Total.....	992.9	1,039.7	974.9
Total.....	64.3	64.9	61.6	Contract construction...	38.2	48.1	36.7
Mining.....	.5	.5	.4	Manufacturing.....	294.7	298.5	292.9
Contract construction...	7.1	6.8	6.2	Trans. and pub. util....	74.8	75.6	76.9
Manufacturing.....	19.4	19.4	19.2	Trade.....	242.1	259.0	232.1
Trans. and pub. util....	4.0	4.0	4.1	Finance.....	70.5	69.8	66.8
Trade.....	12.7	13.7	12.7	Service 1/.....	150.0	150.7	146.2
Finance.....	2.2	2.2	2.1	Government.....	122.6	138.0	123.3
Service.....	6.1	6.1	5.7	<u>Fall River</u>			
Government.....	12.3	12.3	11.2	Total.....	46.2	48.3	47.0
<u>New Orleans</u>				Manufacturing.....	27.1	27.7	27.7
Total.....	274.5	280.1	270.1	Trans. and pub. util....	2.6	2.7	2.7
Mining.....	5.7	5.7	6.0	Trade.....	7.7	8.3	7.7
Contract construction...	16.4	16.5	15.9	Government.....	3.1	3.4	3.1
Manufacturing.....	50.5	50.1	49.5	Other nonmanufacturing..	5.7	6.2	5.8
Trans. and pub. util....	46.4	46.8	44.7	<u>New Bedford</u>			
Trade.....	69.9	73.9	68.6	Total.....	48.8	50.6	49.2
Finance.....	13.3	13.3	13.3	Contract construction...	1.2	1.5	1.3
Service.....	39.3	39.3	39.0	Manufacturing.....	26.8	27.1	27.3
Government.....	33.2	34.6	33.2	Trans. and pub. util....	2.6	2.6	2.2
				Trade.....	8.5	9.2	8.7
				Government.....	3.6	4.1	3.6
				Other nonmanufacturing..	6.1	6.1	6.1

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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>MASSACHUSETTS-Continued</b>				<b>Minneapolis-St. Paul</b>			
<u>Springfield-Holyoke</u>				Total.....	488.2	508.8	482.1
Total.....	162.9	170.4	160.5	Contract construction...	22.9	26.2	24.6
Contract construction...	6.6	7.7	6.8	Manufacturing.....	145.6	148.7	139.0
Manufacturing.....	74.6	75.9	72.3	Trans. and pub. util....	49.9	50.2	50.9
Trans. and pub. util....	8.6	8.7	8.5	Trade.....	120.5	128.4	121.5
Trade.....	34.1	36.0	32.8	Finance.....	31.1	30.9	30.3
Finance.....	7.3	7.3	7.1	Service 1/.....	58.6	59.2	57.5
Service 1/.....	16.8	17.3	16.6	Government.....	59.6	65.2	58.3
Government.....	14.9	17.5	16.4				
<b>Worcester</b>				<b>MISSISSIPPI</b>			
Total.....	109.8	112.4	109.3	<u>Jackson</u>			
Contract construction...	3.9	4.3	3.6	Total.....	55.8	57.2	55.0
Manufacturing.....	51.1	51.6	52.5	Mining.....	.8	.8	.7
Trans. and pub. util....	5.9	5.8	5.6	Contract construction...	3.6	3.6	3.8
Trade.....	20.8	22.0	20.7	Manufacturing.....	10.6	10.7	10.1
Finance.....	4.9	4.9	4.6	Trans. and pub. util....	4.6	4.6	4.5
Service 1/.....	11.6	11.6	11.3	Trade.....	14.9	15.9	14.9
Government.....	11.6	12.2	11.0	Finance.....	3.6	3.6	3.5
				Service.....	7.4	7.6	7.3
				Government.....	10.5	10.5	10.3
<b>MICHIGAN</b>				<b>MISSOURI</b>			
<u>Detroit</u>				<u>Kansas City</u>			
Total.....	(3/)	1,316.1	1,344.7	Total.....	345.9	351.5	350.3
Mining.....	(3/)	.8	.8	Mining.....	.8	.8	.8
Contract construction...	(3/)	56.1	60.2	Contract construction...	17.3	18.4	19.5
Manufacturing.....	(3/)	602.2	657.5	Manufacturing.....	97.2	97.5	98.7
Trans. and pub. util....	(3/)	82.1	82.0	Trans. and pub. util....	43.6	43.7	44.7
Trade.....	(3/)	271.3	253.2	Trade.....	93.4	96.5	94.0
Finance.....	(3/)	48.7	47.0	Finance.....	20.7	20.6	20.9
Service.....	(3/)	131.9	128.7	Service.....	40.4	40.6	40.5
Government.....	(3/)	122.9	115.2	Government.....	32.5	33.4	31.2
<u>Flint</u>				<u>St. Louis</u>			
Manufacturing.....	(3/)	88.7	92.4	Total.....	717.6	742.6	723.1
				Mining.....	2.6	2.5	2.6
<u>Grand Rapids</u>				Contract construction...	36.3	40.4	40.1
Manufacturing.....	(3/)	55.8	53.4	Manufacturing.....	278.3	278.7	275.2
				Trans. and pub. util....	67.3	69.2	68.3
<u>Lansing</u>				Trade.....	152.4	163.3	158.3
Manufacturing.....	(3/)	30.2	33.1	Finance.....	35.3	35.5	35.7
				Service.....	81.9	81.6	81.4
<u>Muskegon</u>				Government.....	63.5	71.4	61.5
Manufacturing.....	(3/)	26.8	30.1				
				<b>MONTANA</b>			
<u>Saginaw</u>				<u>Great Falls</u>			
Manufacturing.....	(3/)	26.4	29.1	Total.....	17.8	18.5	17.4
				Contract construction...	1.0	1.2	1.1
				Manufacturing.....	3.0	3.1	2.8
<b>MINNESOTA</b>				Trans. and pub. util....	2.2	2.3	2.3
<u>Duluth</u>				Trade.....	5.6	5.9	5.5
Total.....	40.8	43.3	39.8	Service 6/.....	3.5	3.5	3.4
Contract construction...	2.2	2.5	2.2	Government.....	2.5	2.5	2.3
Manufacturing.....	10.8	10.9	9.8				
Trans. and pub. util....	5.2	6.8	5.3				
Trade.....	10.2	10.9	10.4				
Finance.....	1.8	1.8	1.7				
Service 1/.....	6.4	6.4	6.3				
Government.....	4.1	4.1	4.1				

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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>NEW YORK-Continued</b>				<b>Utica-Rome</b>			
<u>Elmira</u>				Total.....	(3/)	103.2	94.2
Total.....	(3/)	35.0	33.6	Contract construction..	(3/)	3.8	2.8
Manufacturing.....	(3/)	18.2	17.6	Manufacturing.....	(3/)	45.8	41.3
Trade.....	(3/)	6.9	6.4	Trans. and pub. util...	(3/)	5.1	5.0
Other nonmanufacturing.	(3/)	9.8	9.6	Trade.....	(3/)	16.9	15.3
<b>Nassau and Suffolk</b>				<b>Westchester County 2/ 1/</b>			
<u>Countries 2/ 1/</u>				Total.....	191.2	200.7	182.7
Total.....	327.3	343.0	307.9	Contract construction..	15.0	17.7	14.6
Contract construction..	22.7	29.1	26.2	Manufacturing.....	52.2	53.7	49.7
Manufacturing.....	104.4	104.5	97.6	Trans. and pub. util...	14.7	14.7	13.3
Trans. and pub. util...	21.6	21.8	21.6	Trade.....	43.3	47.2	42.1
Trade.....	73.3	80.4	66.7	Finance.....	10.6	10.6	9.7
Finance.....	11.5	11.5	11.4	Service 1/.....	30.5	31.1	29.4
Service 1/.....	37.6	38.1	34.0	Government.....	24.9	25.8	23.8
Government.....	56.2	57.6	50.4	<b>NORTH CAROLINA</b>			
<b>New York-Northeastern</b>				<b>Charlotte 2/</b>			
<u>New Jersey 2/</u>				Total.....	96.3	98.2	92.8
Total.....	5,455.4	5,645.4	5,403.4	Contract construction..	8.4	8.9	8.3
Mining.....	6.1	6.5	5.8	Manufacturing.....	23.2	23.3	22.8
Contract construction..	198.5	220.7	195.5	Trans. and pub. util...	10.6	10.5	9.8
Manufacturing.....	1,730.6	1,767.7	1,738.7	Trade.....	29.2	30.2	28.3
Trans. and pub. util...	487.5	493.6	481.6	Finance.....	6.5	6.6	6.1
Trade.....	1,177.8	1,263.6	1,165.6	Service 1/.....	11.1	11.3	10.6
Finance.....	441.2	443.0	439.1	Government.....	7.3	7.4	6.9
Service.....	781.0	784.9	766.0	<b>Greensboro-High Point 2/</b>			
Government.....	632.7	665.4	611.1	<b>Manufacturing.....</b>			
<b>New York City 2/ 1/</b>				<b>Winston-Salem 2/</b>			
Total.....	3,527.2	3,655.1	3,526.4	<b>Manufacturing.....</b>			
Mining.....	1.7	1.8	1.8	<b>Manufacturing.....</b>			
Contract construction..	104.4	110.2	101.6	<b>Manufacturing.....</b>			
Manufacturing.....	930.3	961.4	950.1	<b>Manufacturing.....</b>			
Trans. and pub. util...	329.0	333.4	328.2	<b>Manufacturing.....</b>			
Trade.....	824.2	881.3	823.8	<b>Manufacturing.....</b>			
Finance.....	357.3	358.7	357.4	<b>Manufacturing.....</b>			
Service.....	580.8	583.0	575.7	<b>Manufacturing.....</b>			
Government.....	399.4	425.4	387.9	<b>Manufacturing.....</b>			
<b>Rochester</b>				<b>NORTH DAKOTA</b>			
Total.....	(3/)	228.1	217.7	<b>Fargo</b>			
Contract construction..	(3/)	9.7	8.5	<b>Total.....</b>			
Manufacturing.....	(3/)	114.0	113.0	<b>Contract construction..</b>			
Trans. and pub. util...	(3/)	10.0	9.7	<b>Manufacturing.....</b>			
Trade.....	(3/)	42.3	38.5	<b>Trans. and pub. util...</b>			
Finance.....	(3/)	6.9	6.7	<b>Trade.....</b>			
Service 1/.....	(3/)	23.6	22.9	<b>Finance.....</b>			
Government.....	(3/)	21.6	18.5	<b>Service 1/.....</b>			
<b>Syracuse</b>				<b>OHIO</b>			
Total.....	(3/)	153.9	141.9	<b>Akron</b>			
Contract construction..	(3/)	7.2	5.6	<b>Manufacturing.....</b>			
Manufacturing.....	(3/)	63.5	58.7	<b>Manufacturing.....</b>			
Trans. and pub. util...	(3/)	10.7	10.7	<b>Manufacturing.....</b>			
Trade.....	(3/)	35.2	30.8	<b>Manufacturing.....</b>			
Finance.....	(3/)	6.6	6.3	<b>Manufacturing.....</b>			
Service 1/.....	(3/)	16.1	16.0	<b>Manufacturing.....</b>			
Government.....	(3/)	14.7	13.8	<b>Manufacturing.....</b>			
				<b>Cincinnati</b>			
				<b>Manufacturing.....</b>			
				<b>Manufacturing.....</b>			
				<b>Manufacturing.....</b>			
				<b>Cleveland</b>			
				<b>Manufacturing.....</b>			

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
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>OHIO-Continued</b>				<b>Harrisburg-Continued</b>			
<u>Columbus</u>				Trans. and pub. util...	14.4	14.5	14.6
Manufacturing.....	79.7	79.8	77.1	Trade.....	24.5	26.6	23.5
				Finance.....	5.9	5.9	5.7
<u>Dayton</u>				Service.....	12.5	12.6	12.1
Manufacturing.....	102.8	102.4	105.3	Government.....	39.4	39.9	38.9
<u>Toledo</u>				<u>Lancaster</u>			
Manufacturing.....	62.7	63.1	66.2	Manufacturing.....	45.1	45.1	45.7
<u>Youngstown</u>				<u>Philadelphia</u>			
Manufacturing.....	116.0	116.2	109.8	Manufacturing.....	550.8	553.5	548.1
<b>OKLAHOMA</b>				<u>Pittsburgh</u>			
<u>Oklahoma City</u>				Total.....	826.5	865.5	797.6
Total.....	143.3	146.9	143.2	Mining.....	19.0	19.2	18.1
Mining.....	8.1	8.0	8.0	Contract construction..	41.3	49.9	39.2
Contract construction..	9.3	9.8	9.9	Manufacturing.....	340.7	342.0	324.3
Manufacturing.....	16.4	16.7	16.6	Trans. and pub. util...	70.3	71.6	71.2
Trans. and pub. util...	10.9	11.0	11.2	Trade.....	158.5	174.2	156.2
Trade.....	37.6	40.2	38.1	Finance.....	27.2	27.5	26.9
Finance.....	8.1	8.1	8.0	Service.....	95.1	95.7	90.3
Service.....	17.3	17.4	17.4	Government.....	74.4	85.4	71.4
Government.....	35.6	35.7	34.1				
				<u>Reading</u>			
<u>Tulsa</u>				Manufacturing.....	51.1	51.2	53.0
Total.....	132.3	135.2	129.4				
Mining.....	13.3	13.2	13.3	<u>Scranton 2/</u>			
Contract construction..	9.2	9.7	8.0	Manufacturing.....	31.8	32.1	31.5
Manufacturing.....	34.7	34.9	35.3				
Trans. and pub. util...	13.8	14.0	13.1	<u>Wilkes-Barre-Hazleton</u>			
Trade.....	30.7	32.7	30.8	Manufacturing.....	38.0	37.7	39.3
Finance.....	6.2	6.3	6.1				
Service.....	16.5	16.5	15.5	<u>York</u>			
Government.....	8.0	8.0	7.4	Manufacturing.....	45.0	45.7	44.7
<b>OREGON</b>				<b>RHODE ISLAND</b>			
<u>Portland</u>				<u>Providence</u>			
Total.....	247.3	257.5	240.1	Total.....	(3/)	293.2	289.6
Contract construction..	12.2	13.2	11.8	Contract construction..	(3/)	14.4	12.7
Manufacturing.....	58.4	60.6	58.0	Manufacturing.....	(3/)	138.4	141.8
Trans. and pub. util...	29.4	30.1	29.1	Trans. and pub. util...	(3/)	13.6	13.9
Trade.....	66.8	70.7	63.7	Trade.....	(3/)	56.1	53.6
Finance.....	13.1	13.0	12.7	Finance.....	(3/)	12.8	12.0
Service 1/.....	32.8	33.1	32.3	Service 1/.....	(3/)	26.1	26.1
Government.....	34.6	36.8	32.5	Government.....	(3/)	31.8	29.5
<b>PENNSYLVANIA</b>				<b>SOUTH CAROLINA</b>			
<u>Allentown-Bethlehem-</u>				<u>Charleston</u>			
<u>Easton</u>				Total.....	55.0	56.0	53.4
Manufacturing.....	99.4	100.2	100.0	Contract construction..	3.6	3.8	3.4
				Manufacturing.....	9.9	9.7	10.1
<u>Erie</u>				Trans. and pub. util...	4.7	4.7	4.3
Manufacturing.....	45.1	45.6	41.5	Trade.....	13.4	14.3	12.8
				Finance.....	2.1	2.1	2.0
<u>Harrisburg</u>				Service 1/.....	5.0	5.0	4.9
Total.....	139.5	143.9	136.0	Government.....	16.5	16.6	16.2
Mining.....	.4	.5	.4				
Contract construction..	6.7	8.1	6.5	<u>Greenville</u>			
Manufacturing.....	35.7	35.8	34.3	Manufacturing.....	30.7	30.8	31.0

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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>SOUTH DAKOTA</b>				<b>Salt Lake City-Con.</b>			
<u>Sioux Falls</u>				Contract construction..			
Total.....	22.8	23.7	23.2	7.7	8.0	7.8	
Contract construction..	1.0	1.3	1.3	18.4	18.7	17.4	
Manufacturing.....	5.1	5.2	5.1	Manufacturing.....	12.7	12.9	
Trans. and pub. util...	2.2	2.2	2.2	Trans. and pub. util...	33.9	37.1	
Trade.....	7.6	8.1	7.9	Trade.....	7.4	7.3	
Finance.....	1.3	1.3	1.4	Finance.....	14.7	14.8	
Service 1/.....	3.4	3.5	3.3	Service.....	15.6	15.9	
Government.....	2.1	2.1	2.1	Government.....			
<b>TENNESSEE</b>				<b>VERMONT</b>			
<u>Chattanooga</u>				<u>Burlington 2/</u>			
Total.....	90.8	93.2	94.1	Total.....	16.7	16.8	
Mining.....	.1	.1	.1	Manufacturing.....	4.4	4.3	
Contract construction..	3.0	3.4	3.6	Trans. and pub. util...	1.4	1.4	
Manufacturing.....	43.3	43.8	45.8	Trade.....	4.5	4.6	
Trans. and pub. util...	5.6	5.6	5.5	Service.....	3.2	3.1	
Trade.....	17.2	18.5	17.9	Other nonmanufacturing.	3.3	3.7	
Finance.....	4.3	4.3	4.0	<u>Springfield 2/</u>			
Service.....	9.0	9.0	9.2	Total.....	12.9	13.2	
Government.....	8.4	8.7	8.3	Manufacturing.....	8.3	8.4	
<u>Knoxville</u>				Trans. and pub. util...			
Total.....	117.0	120.2	116.3	Trade.....	1.5	1.6	
Mining.....	2.3	2.3	2.1	Service.....	1.0	1.0	
Contract construction..	7.2	7.3	6.3	Other nonmanufacturing.	1.6	1.6	
Manufacturing.....	43.3	43.8	44.6	<b>VIRGINIA</b>			
Trans. and pub. util...	7.6	7.7	7.7	<u>Norfolk-Portsmouth</u>			
Trade.....	26.3	28.5	25.7	Total.....	159.8	163.9	
Finance.....	2.7	2.7	2.6	Mining.....	.2	.2	
Service.....	11.4	11.5	11.4	Contract construction..	12.1	12.5	
Government.....	16.3	16.7	16.0	Manufacturing.....	15.4	15.5	
<u>Memphis 2/</u>				Trans. and pub. util...			
Total.....	185.1	191.4	185.5	Trade.....	17.8	17.7	
Mining.....	.3	.3	.3	Finance.....	43.6	46.3	
Contract construction..	7.4	8.2	9.2	Service.....	6.8	6.9	
Manufacturing.....	45.3	45.8	45.5	Government.....	17.3	17.2	
Trans. and pub. util...	16.5	16.8	16.2		46.6	47.6	
Trade.....	55.4	59.4	54.9	<u>Richmond</u>			
Finance.....	8.1	8.1	8.0	Total.....	161.4	166.1	
Service.....	23.9	24.3	24.3	Mining.....	.3	.3	
Government.....	28.4	28.7	27.3	Contract construction..	11.3	12.0	
<u>Nashville</u>				Manufacturing.....			
Total.....	(3/)	135.6	130.5	Trans. and pub. util...	40.2	40.1	
Mining.....	(3/)	.3	.3	Trade.....	15.9	15.9	
Contract construction..	(3/)	7.5	7.1	Finance.....	41.3	44.4	
Manufacturing.....	(3/)	37.8	38.3	Service.....	12.8	12.8	
Trans. and pub. util...	(3/)	12.9	12.7	Government.....	17.9	17.9	
Trade.....	(3/)	33.6	30.3		21.7	22.7	
Finance.....	(3/)	8.6	8.1	<b>WASHINGTON</b>			
Service.....	(3/)	19.4	18.7	<u>Seattle</u>			
Government.....	(3/)	15.5	15.1	Total.....	310.3	321.4	
<b>UTAH</b>				Contract construction..			
<u>Salt Lake City</u>				Manufacturing.....			
Total.....	118.0	122.3	113.4	Trans. and pub. util...	14.2	14.9	
Mining.....	7.6	7.6	7.5	Trade.....	94.7	94.8	
				Finance.....	27.1	27.4	
				Service 1/.....	74.0	80.8	
				Government.....	18.3	18.4	
					36.8	37.3	
					45.2	47.8	

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	
	Jan.	Dec.	Jan.		Jan.	Dec.	Jan.
<b>WASHINGTON-Continued</b>				<b>Wheeling-</b>			
<b>Spokane</b>				<b>Steubenville-Continued</b>			
Total.....	74.4	77.2	72.4	Trans. and pub. util....	9.1	9.2	9.6
Contract construction...	3.5	4.1	3.2	Trade.....	19.0	20.5	19.4
Manufacturing.....	14.5	14.6	14.2	Finance.....	3.1	3.0	2.9
Trans. and pub. util....	8.5	8.6	8.2	Service.....	10.1	10.2	10.1
Trade.....	21.2	22.7	20.7	Government.....	7.1	7.7	7.2
Finance.....	3.7	3.6	3.9	<b>WISCONSIN</b>			
Service 1/.....	11.9	11.9	11.3	<b>Milwaukee 2/</b>			
Government.....	11.1	11.7	10.9	Total.....	431.1	446.1	419.2
<b>Tacoma</b>				Contract construction...	20.2	22.0	20.4
Total.....	73.3	75.9	73.3	Manufacturing.....	194.6	196.8	190.9
Contract construction...	3.6	3.8	3.5	Trans. and pub. util....	27.8	28.8	27.8
Manufacturing.....	16.0	16.3	17.0	Trade.....	87.5	96.1	84.3
Trans. and pub. util....	6.7	6.9	6.9	Finance.....	20.0	20.1	19.2
Trade.....	16.6	17.7	16.3	Service 1/.....	46.9	46.9	43.7
Finance.....	3.0	3.0	2.8	Government.....	34.1	35.4	32.9
Service 1/.....	8.5	8.7	8.3	<b>Racine 2/</b>			
Government.....	18.9	19.5	18.5	Total.....	41.4	42.4	42.3
<b>WEST VIRGINIA</b>				Contract construction...	1.7	2.0	1.8
<b>Charleston</b>				Manufacturing.....	21.9	21.6	23.5
Total.....	90.1	93.9	88.1	Trans. and pub. util....	1.7	1.8	1.7
Mining.....	10.0	10.2	10.1	Trade.....	7.3	7.9	7.1
Contract construction...	3.8	4.2	3.4	Finance.....	.8	.8	.8
Manufacturing.....	25.6	25.7	24.9	Service 1/.....	4.5	4.5	4.1
Trans. and pub. util....	10.7	10.8	10.4	Government.....	3.6	3.8	3.4
Trade.....	18.7	21.1	18.4	<b>WYOMING</b>			
Finance.....	3.3	3.2	3.2	<b>Casper</b>			
Service.....	8.3	8.4	8.3	Mining.....	3.3	3.3	3.4
Government.....	9.8	10.4	9.6	Contract construction...	1.1	1.3	1.1
<b>Wheeling-Steubenville</b>				Manufacturing.....	1.7	1.8	1.7
Total.....	111.0	115.0	114.0	Trans. and pub. util....	1.8	1.8	1.7
Mining.....	5.9	5.9	5.9	Trade.....	3.9	4.3	3.6
Contract construction...	4.4	5.1	4.3	Finance.....	.5	.5	.5
Manufacturing.....	52.5	53.6	54.6	Service.....	2.1	2.1	1.9

- 1/ Includes mining.
- 2/ Revised series; not strictly comparable with previously published data.
- 3/ Not available.
- 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, by class of turnover

(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.....	3.1													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													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													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	.4	.3	.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													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	1.0	1.1	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													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													1957

# Labor Turnover

## 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	
	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956
<b>MANUFACTURING</b> .....	3.1	2.3	3.3	2.8	1.3	1.0	0.2	0.2	1.5	1.4	0.3	0.2
<b>DURABLE GOODS</b> .....	3.1	2.4	3.3	2.8	1.2	1.0	.3	.2	1.5	1.4	.3	.2
<b>NONDURABLE GOODS</b> .....	2.9	2.0	3.4	3.0	1.4	1.1	.2	.2	1.6	1.6	.2	.2
<b>ORDNANCE AND ACCESSORIES</b> .....	2.9	2.4	4.0	1.9	1.3	.7	.2	.1	2.3	.8	.2	.2
<b>FOOD AND KINDRED PRODUCTS</b> .....	3.3	2.8	4.9	4.1	1.2	1.0	.2	.2	3.3	2.7	.2	.1
Meat products.....	3.3	2.7	5.0	4.9	.8	.7	.2	.2	3.9	3.8	.2	.2
Grain-mill products.....	2.7	2.1	3.1	2.1	1.0	.8	.3	.3	1.7	.9	.2	.2
Bakery products.....	2.8	2.0	3.7	3.0	1.7	1.5	.3	.3	1.6	1.0	.1	.1
Beverages:												
Malt liquors.....	(1/)	4.1	(1/)	2.5	(1/)	.3	(1/)	.1	(1/)	1.9	(1/)	.1
<b>TOBACCO MANUFACTURES</b> .....	1.9	.9	3.1	1.8	1.5	.9	.1	.2	1.3	.6	.2	.1
Cigarettes.....	1.2	.7	3.5	.7	.8	.5	.1	.1	2.2	.1	.3	.1
Cigars.....	2.8	1.0	2.9	3.0	2.3	1.5	.1	.3	.4	1.2	(2/)	.1
Tobacco and snuff.....	.9	.7	1.6	1.4	.5	.4	(2/)	.1	.5	.3	.6	.5
<b>TEXTILE-MILL PRODUCTS</b> .....	3.3	2.0	3.7	3.8	1.6	1.2	.2	.2	1.7	2.2	.2	.1
Yarn and thread mills.....	3.0	2.7	3.1	2.9	1.6	1.4	.3	.2	1.1	1.2	.1	.1
Broad-woven fabric mills.....	2.7	2.2	3.8	3.3	1.6	1.1	.3	.2	1.7	1.8	.2	.1
Cotton, silk, synthetic fiber.....	2.4	2.0	3.5	2.9	1.6	1.2	.3	.2	1.4	1.4	.2	.1
Woolen and worsted.....	4.9	3.4	5.5	5.9	1.4	.9	.2	.1	3.6	4.8	.3	.1
Knitting mills.....	5.5	1.4	4.0	6.3	1.9	1.4	.2	.1	1.8	4.6	.1	.1
Full-fashioned hosiery.....	9.4	1.0	2.8	8.1	1.9	1.2	.2	.1	.6	6.8	.1	.1
Seamless hosiery.....	2.3	1.5	4.0	2.8	1.5	1.4	.2	.1	2.2	1.3	.1	(2/)
Knit underwear.....	4.4	1.3	3.9	7.4	1.7	1.2	.1	.2	2.0	5.9	.1	.1
Dyeing and finishing textiles.....	1.5	1.3	3.4	3.3	1.0	.8	.2	.3	1.9	2.0	.2	.2
Carpets, rugs, other floor coverings 3/	2.5	2.2	2.6	1.8	1.0	.7	.2	.2	1.1	.7	.2	.2
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS</b> .....	4.0	1.9	3.9	3.4	2.3	1.6	.2	.1	1.4	1.5	.1	.1
Men's and boys' suits and coats.....	2.4	2.2	2.6	2.2	1.7	1.3	.2	.1	.5	.6	.1	.2
Men's and boys' furnishings and work clothing.....	4.3	1.7	4.7	3.5	2.5	1.7	.2	.2	2.0	1.5	(2/)	.1
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)</b> .....	3.0	2.1	4.2	4.7	1.5	1.3	.3	.2	2.1	3.0	.3	.2
Logging camps and contractors.....	4.4	5.2	4.6	7.9	2.1	3.2	.1	.3	1.9	4.0	.6	.4
Sawmills and planing mills.....	3.0	1.4	4.2	5.0	1.4	1.0	.3	.2	2.3	3.7	.2	.2
Millwork, plywood, and prefabricated structural wood products.....	1.8	2.1	3.9	2.6	1.2	1.0	.3	.2	2.3	1.2	.2	.1
<b>FURNITURE AND FIXTURES</b> .....	3.0	1.8	3.9	3.1	1.5	1.1	.4	.3	1.8	1.5	.2	.1
Household furniture.....	2.9	1.6	4.4	3.2	1.7	1.1	.4	.3	2.1	1.6	.2	.2
Other furniture and fixtures.....	3.2	2.2	2.9	2.7	1.1	1.1	.4	.2	1.2	1.3	.2	.1
<b>PAPER AND ALLIED PRODUCTS</b> .....	2.1	1.9	2.6	2.1	1.3	1.0	.2	.2	.9	.8	.2	.2
Pulp, paper, and paperboard mills.....	1.4	1.1	1.5	1.2	.7	.5	.1	.1	.4	.4	.2	.1
Paperboard containers and boxes.....	2.3	1.8	4.0	2.5	2.0	1.2	.3	.3	1.6	.8	.2	.1
<b>CHEMICALS AND ALLIED PRODUCTS</b> .....	2.0	1.1	1.7	1.5	.8	.6	.1	.1	.5	.6	.2	.2
Industrial inorganic chemicals.....	2.3	1.3	1.7	2.0	1.0	.6	.2	.1	.4	1.0	.2	.3
Industrial organic chemicals.....	1.1	1.0	1.2	.7	.4	.3	.1	.1	.5	.2	.2	.1
Synthetic fibers.....	1.3	1.6	1.1	.8	.3	.3	.1	(2/)	.6	.3	.1	.1
Drugs and medicines.....	2.7	1.1	1.7	.9	1.2	.7	.2	.1	.1	.1	.1	.1
Paints, pigments, and fillers.....	2.4	.8	1.5	1.5	.9	.6	.2	.1	.2	.5	.3	.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	
	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956
<b>PRODUCTS OF PETROLEUM AND COAL</b> .....	0.8	0.6	1.2	1.1	0.4	0.3	0.1	(2/)	0.4	0.5	0.3	0.2
Petroleum refining.....	.6	.5	.7	.6	.3	.3	(2/)	(2/)	.2	.2	.2	.2
<b>RUBBER PRODUCTS</b> .....	1.8	1.6	2.8	1.8	1.0	.9	.2	.1	1.3	.6	.4	.2
Tires and inner tubes.....	1.1	1.2	1.9	1.1	.5	.5	.1	.1	.6	.3	.6	.3
Rubber footwear.....	1.4	1.4	1.9	3.0	1.3	1.4	.1	.1	.2	1.2	.3	.2
Other rubber products.....	2.5	2.1	3.7	2.3	1.3	1.1	.2	.2	2.0	.8	.3	.2
<b>LEATHER AND LEATHER PRODUCTS</b> .....	4.6	3.8	4.0	3.2	2.2	1.6	.3	.2	.9	1.0	.6	.3
Leather: tanned, curried, and finished..	1.9	2.5	2.6	2.5	.8	.8	.2	.2	1.1	1.2	.5	.3
Footwear (except rubber).....	5.1	4.1	4.3	3.3	2.4	1.8	.3	.2	.9	1.0	.7	.4
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	2.2	1.7	3.8	2.5	.9	.7	.2	.2	2.4	1.4	.3	.2
Glass and glass products.....	2.3	2.0	4.0	2.8	.7	.6	.1	.1	2.9	1.8	.3	.3
Cement, hydraulic.....	1.6	.8	2.1	2.8	.5	.6	.1	.3	1.2	1.8	.3	.2
Structural clay products.....	1.7	1.9	4.6	3.3	1.0	1.0	.1	.3	3.2	1.8	.2	.2
Pottery and related products.....	2.3	1.6	3.8	2.5	1.5	1.1	.3	.2	1.8	1.0	.2	.2
<b>PRIMARY METAL INDUSTRIES</b> .....	2.0	1.5	1.9	1.7	.8	.7	.2	.2	.6	.7	.3	.2
Blast furnaces, steel works, and rolling mills.....	1.7	1.0	1.3	1.1	.6	.5	.2	.1	.2	.3	.3	.2
Iron and steel foundries.....	2.3	1.8	2.7	2.2	1.1	.9	.3	.3	1.1	.9	.2	.2
Gray-iron foundries.....	2.4	1.8	3.1	2.1	1.1	.8	.3	.3	1.6	.8	.1	.2
Malleable-iron foundries.....	2.5	1.9	3.5	2.0	1.4	1.0	.4	.4	1.4	.5	.3	.1
Steel foundries.....	2.1	1.6	2.1	2.4	.9	.8	.4	.3	.6	1.1	.2	.2
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	1.9	1.2	1.7	1.3	1.2	.7	.2	.1	.1	.3	.2	.2
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	1.4	1.7	2.0	2.0	.4	.6	.1	.1	1.1	1.0	.3	.3
Nonferrous foundries.....	3.5	2.8	4.3	2.9	1.5	1.4	.4	.4	2.0	.8	.4	.3
Other primary metal industries:												
Iron and steel forgings.....	2.8	2.3	2.0	2.2	1.0	.9	.3	.3	.4	.8	.2	.2
<b>FABRICATED METAL PRODUCTS (EXCEPT ORD-NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)</b> .....	3.6	2.3	3.5	3.2	1.3	1.0	.3	.2	1.7	1.7	.2	.2
Cutlery, hand tools, and hardware.....	2.4	2.0	3.4	2.5	1.5	1.2	.3	.2	1.3	.9	.3	.2
Cutlery and edge tools.....	1.6	1.3	2.6	2.2	1.1	1.0	.3	.2	.9	.9	.3	.1
Hand tools.....	2.3	2.3	4.1	1.6	1.4	.9	.3	.2	2.1	.3	.2	.2
Hardware.....	2.6	2.1	3.3	3.1	1.8	1.4	.3	.3	1.0	1.2	.3	.3
Heating apparatus (except electric) and plumbers' supplies.....	4.4	2.3	3.2	6.6	1.2	1.0	.3	.3	1.4	5.1	.3	.2
Sanitary ware and plumbers' supplies..	5.1	1.5	2.3	8.8	1.0	.8	.2	.1	.7	7.6	.4	.2
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	4.1	2.8	3.6	5.4	1.2	1.1	.3	.3	1.8	3.8	.3	.2
Fabricated structural metal products....	3.9	2.1	2.7	2.7	1.3	.9	.4	.2	.9	1.4	.2	.2
Metal stamping, coating, and engraving..	4.2	2.8	5.3	3.2	1.4	1.0	.4	.3	3.2	1.6	.2	.3

See footnotes at end of table.

# Labor Turnover

## 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	
	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956
<b>MACHINERY (EXCEPT ELECTRICAL)</b> .....	2.6	1.9	2.2	1.8	1.0	0.8	0.2	0.2	0.7	0.6	0.2	0.2
Engines and turbines.....	2.7	1.5	2.0	1.7	.9	.6	.2	.1	.7	.8	.3	.2
Agricultural machinery and tractors.....	3.6	3.2	1.7	1.5	.8	.6	.2	.2	.3	.3	.4	.4
Construction and mining machinery.....	2.5	1.7	2.0	1.8	.9	.7	.2	.2	.6	.7	.2	.2
Metalworking machinery.....	2.4	1.5	1.9	1.6	1.0	.8	.2	.2	.4	.4	.2	.2
Machine tools.....	1.9	1.5	1.6	1.4	.9	.8	.2	.2	.2	.2	.3	.2
Metalworking machinery (except machine tools).....	2.2	1.2	2.0	1.6	1.0	.7	.2	.1	.6	.5	.2	.2
Machine-tool accessories.....	3.6	2.1	2.2	2.1	1.3	1.0	.2	.3	.5	.6	.2	.2
Special-industry machinery (except metalworking machinery).....	2.1	1.4	2.2	1.6	.9	.8	.2	.2	.8	.5	.2	.2
General industrial machinery.....	2.8	1.7	2.5	1.8	1.1	.8	.3	.2	.8	.6	.2	.2
Office and store machines and devices....	3.6	2.4	2.9	1.8	1.6	1.0	.2	.2	.9	.5	.2	.1
Service-industry and household machines..	2.3	2.2	2.3	2.5	.8	.7	.1	.3	1.1	1.2	.3	.3
Miscellaneous machinery parts.....	2.2	1.9	2.2	1.6	.9	.8	.2	.2	.9	.3	.2	.3
<b>ELECTRICAL MACHINERY</b> .....	3.1	2.6	3.3	2.7	1.4	1.3	.3	.2	1.3	.9	.3	.2
Electrical generating, transmission, distribution, and industrial apparatus..	2.2	1.8	2.5	1.9	1.1	.9	.2	.2	.8	.6	.3	.2
Communication equipment.....	3.2	2.7	4.0	3.1	1.7	1.6	.3	.3	1.8	1.1	.2	.2
Radios, phonographs, television sets, and equipment.....	3.9	3.2	6.2	3.9	2.1	1.8	.5	.3	3.4	1.5	.2	.1
Telephone, telegraph, and related equipment.....	2.8	2.4	1.6	1.6	1.0	1.1	.1	.2	.2	.1	.3	.2
Electrical appliances, lamps, and miscellaneous products.....	5.0	3.2	3.2	3.3	1.2	1.1	.3	.2	1.2	1.7	.4	.3
<b>TRANSPORTATION EQUIPMENT</b> .....	4.1	3.8	4.0	2.8	1.3	1.0	.3	.2	2.0	1.2	.4	.3
Automobiles.....	3.2	3.9	4.6	2.6	1.0	.8	.3	.2	2.9	1.0	.4	.5
Aircraft and parts.....	3.5	2.9	2.5	1.8	1.5	1.0	.2	.2	.5	.4	.3	.2
Aircraft.....	3.4	2.9	2.3	1.8	1.4	1.1	.2	.1	.4	.4	.4	.2
Aircraft engines and parts.....	3.7	2.7	1.9	1.3	1.4	.8	.2	.2	.2	.2	.2	.1
Aircraft propellers and parts.....	(1/)	3.2	(1/)	1.3	(1/)	.9	(1/)	.3	(1/)	(2/)	(1/)	.1
Other aircraft parts and equipment.....	3.7	2.9	5.0	3.5	2.0	1.4	.5	.4	2.2	1.6	.3	.1
Ship and boat building and repairing.....	(1/)	9.9	(1/)	10.2	(1/)	2.1	(1/)	.5	(1/)	7.3	(1/)	.3
Railroad equipment.....	5.7	3.7	4.4	2.8	.7	.7	.2	.2	2.8	1.6	.7	.4
Locomotives and parts.....	3.9	3.7	2.8	2.7	.3	.4	(2/)	.1	1.3	1.3	1.2	.9
Railroad and street cars.....	6.9	3.7	5.4	2.8	.9	.8	.2	.2	3.8	1.8	.4	.1
Other transportation equipment.....	7.0	.8	2.4	11.1	1.4	1.0	.3	.3	.6	9.7	.1	.1
<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	2.8	1.5	2.9	1.7	1.4	.8	.2	.1	1.1	.6	.2	.1
Photographic apparatus.....	(1/)	1.0	(1/)	1.0	(1/)	.5	(1/)	.1	(1/)	.2	(1/)	.2
Watches and clocks.....	1.8	1.4	8.2	3.8	1.2	.9	.2	.1	6.6	2.6	.2	.2
Professional and scientific instruments..	2.9	1.7	2.2	1.6	1.4	.9	.2	.2	.4	.4	.1	.1
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> ....	4.7	2.3	5.6	7.1	1.7	1.3	.4	.3	3.3	5.4	.3	.2
Jewelry, silverware, and plated ware....	3.0	1.0	3.4	2.5	1.3	1.1	.3	.2	1.6	1.1	.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	
	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956	Jan. 1957	Dec. 1956
<b>NONMANUFACTURING:</b>												
<b>METAL MINING</b> .....	1.6	2.4	1.7	2.9	1.0	1.7	0.1	0.2	0.3	0.8	0.3	0.2
Iron mining.....	.9	.6	.9	2.0	.6	.2	.1	.1	(2/)	1.5	.3	.2
Copper mining.....	2.0	3.3	1.9	3.4	1.1	2.5	.3	.3	.1	.2	.4	.4
Lead and zinc mining.....	1.2	1.8	1.6	1.6	1.0	.9	.3	.3	.2	.3	.2	.2
<b>ANTHRACITE MINING</b> .....	1.0	1.2	.7	1.2	.1	.8	(2/)	(2/)	.3	.4	.3	.1
<b>BITUMINOUS-COAL MINING</b> .....	2.2	.8	1.1	1.0	.5	.3	(2/)	(2/)	.4	.5	.1	.1
<b>COMMUNICATION:</b>												
Telephone.....	(1/)	1.2	(1/)	1.6	(1/)	1.2	(1/)	(2/)	(1/)	.3	(1/)	.1
Telegraph <sup>4/</sup> .....	(1/)	.8	(1/)	1.6	(1/)	.8	(1/)	(2/)	(1/)	.5	(1/)	.3

<sup>1/</sup> Not available.

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

<sup>3/</sup> Carpets, rugs, other floor coverings - November 1956 data are: 1.7, 3.0, 1.1, 0.4, 1.3 and 0.2.

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

# Hours and Earnings

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>MINING:</b>									
<b>METAL MINING.....</b>	\$ 99.17	\$ 99.92	\$ 98.93	42.2	42.7	43.2	\$2.35	\$2.34	\$2.29
Iron mining.....	102.16	103.09	98.49	40.7	41.4	40.7	2.51	2.49	2.42
Copper mining.....	101.05	100.66	102.60	43.0	43.2	45.2	2.35	2.33	2.27
Lead and zinc mining.....	90.50	91.14	88.83	41.9	42.0	42.3	2.16	2.17	2.10
<b>ANTHRACITE.....</b>	105.25	107.45	91.96	35.8	36.3	35.1	2.94	2.96	2.62
<b>BITUMINOUS-COAL.....</b>	110.78	115.33	104.22	37.3	38.7	38.6	2.97	2.98	2.70
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:</b>									
Petroleum and natural-gas production (except contract services).....	104.83	104.58	99.96	41.6	41.5	42.0	2.52	2.52	2.38
<b>NONMETALLIC MINING AND QUARRYING.....</b>	81.54	85.46	80.41	41.6	43.6	43.0	1.96	1.96	1.87
<b>CONTRACT CONSTRUCTION.....</b>									
<b>NONBUILDING CONSTRUCTION.....</b>	94.49	99.96	93.17	37.2	39.2	38.5	2.54	2.55	2.42
Highway and street.....	83.54	90.94	85.19	36.8	39.2	38.9	2.27	2.32	2.19
Other nonbuilding construction.....	101.63	106.23	98.43	37.5	39.2	38.3	2.71	2.71	2.57
<b>BUILDING CONSTRUCTION.....</b>	98.94	104.62	96.17	34.0	36.2	35.1	2.91	2.89	2.74
<b>GENERAL CONTRACTORS.....</b>	89.82	96.48	88.75	32.9	35.6	34.4	2.73	2.71	2.58
<b>SPECIAL-TRADE CONTRACTORS.....</b>	105.14	110.47	101.10	34.7	36.7	35.6	3.03	3.01	2.84
Plumbing and heating.....	115.60	117.56	109.16	37.9	38.8	38.3	3.05	3.03	2.85
Painting and decorating.....	98.16	100.74	94.24	33.5	34.5	33.9	2.93	2.92	2.78
Electrical work.....	126.55	129.82	120.26	38.7	39.7	39.3	3.27	3.27	3.06
Other special-trade contractors.....	95.29	104.73	94.58	32.3	35.5	33.9	2.95	2.95	2.79
<b>MANUFACTURING.....</b>									
<b>DURABLE GOODS.....</b>	88.54	91.34	84.87	40.8	41.9	41.2	2.17	2.18	2.06
<b>NONDURABLE GOODS.....</b>	72.73	74.03	69.83	39.1	39.8	39.9	1.86	1.86	1.75
<b>ORDNANCE AND ACCESSORIES.....</b>	96.22	96.70	87.56	42.2	42.6	41.3	2.28	2.27	2.12
<b>FOOD AND KINDRED PRODUCTS.....</b>	78.18	78.72	76.36	40.3	41.0	41.5	1.94	1.92	1.84
Meat products.....	91.69	91.96	91.54	41.3	41.8	43.8	2.22	2.20	2.09
Meat packing, wholesale.....	97.02	96.87	96.98	42.0	42.3	44.9	2.31	2.29	2.16
Sausages and casings.....	85.03	87.35	84.25	40.3	41.4	41.5	2.11	2.11	2.03
Dairy products.....	75.30	75.78	73.02	41.6	42.1	42.7	1.81	1.80	1.71
Condensed and evaporated milk.....	77.94	76.01	75.21	43.3	42.7	44.5	1.80	1.78	1.69
Ice cream and ices.....	77.33	78.47	75.00	40.7	41.3	41.9	1.90	1.90	1.79
Canning and preserving.....	61.88	61.72	59.36	37.5	38.1	38.8	1.65	1.62	1.53
Sea food, canned and cured.....	50.32	54.87	56.11	29.6	31.9	33.2	1.70	1.72	1.69
Canned fruits, vegetables, and soups..	65.02	65.01	61.75	38.7	39.4	40.1	1.68	1.65	1.54
Grain-mill products.....	82.37	82.32	78.74	42.9	43.1	43.5	1.92	1.91	1.81
Flour and other grain-mill products...	91.66	88.70	84.17	45.6	44.8	44.3	2.01	1.98	1.90
Prepared feeds.....	78.99	78.99	75.75	43.4	43.4	44.3	1.82	1.82	1.71
Bakery products.....	73.05	73.93	71.10	39.7	40.4	40.4	1.84	1.83	1.76
Bread and other bakery products.....	74.61	75.52	72.50	39.9	40.6	40.5	1.87	1.86	1.79
Biscuits, crackers, and pretzels.....	66.35	66.81	65.76	38.8	39.3	40.1	1.71	1.70	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		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
	<b>FOOD AND KINDRED PRODUCTS - Continued</b>								
Sugar.....	\$82.60	\$83.95	\$78.40	41.3	46.9	41.7	\$2.00	\$1.79	\$1.88
Cane-sugar refining.....	87.67	86.71	85.91	40.4	40.9	41.5	2.17	2.12	2.07
Beet sugar.....	80.56	85.80	73.53	42.4	48.2	40.4	1.90	1.78	1.82
Confectionery and related products.....	61.70	62.87	59.70	39.3	40.3	39.8	1.57	1.56	1.50
Confectionery.....	59.67	61.26	57.71	39.0	40.3	39.8	1.53	1.52	1.45
Beverages.....	84.67	86.80	82.18	39.2	40.0	39.7	2.16	2.17	2.07
Bottled soft drinks.....	63.83	66.98	62.17	40.4	41.6	40.9	1.58	1.61	1.52
Malt liquors.....	101.92	104.28	97.61	38.9	39.5	39.2	2.62	2.64	2.49
Distilled, rectified, and blended liquors.....	80.59	82.35	80.13	36.8	38.3	38.9	2.19	2.15	2.06
Miscellaneous food products.....	75.26	75.17	70.21	40.9	41.3	41.3	1.84	1.82	1.70
Corn sirup, sugar, oil, and starch.....	89.23	90.03	83.02	41.5	41.3	41.1	2.15	2.18	2.02
Manufactured ice.....	71.32	72.61	66.30	44.3	45.1	45.1	1.61	1.61	1.47
<b>TOBACCO MANUFACTURES.....</b>	<b>56.98</b>	<b>58.51</b>	<b>52.96</b>	<b>38.5</b>	<b>39.8</b>	<b>38.1</b>	<b>1.48</b>	<b>1.47</b>	<b>1.39</b>
Cigarettes.....	74.21	76.08	70.45	41.0	41.8	41.2	1.81	1.82	1.71
Cigars.....	47.73	49.92	44.65	37.0	38.4	36.9	1.29	1.30	1.21
Tobacco and snuff.....	57.67	60.29	55.65	36.5	38.4	37.1	1.58	1.57	1.50
Tobacco stemming and redrying.....	47.13	48.86	41.99	37.7	39.4	36.2	1.25	1.24	1.16
<b>TEXTILE-MILL PRODUCTS.....</b>	<b>58.26</b>	<b>60.30</b>	<b>57.37</b>	<b>39.1</b>	<b>40.2</b>	<b>40.4</b>	<b>1.49</b>	<b>1.50</b>	<b>1.42</b>
Scouring and combing plants.....	65.60	67.23	65.63	41.0	41.5	41.8	1.60	1.62	1.57
Yarn and thread mills.....	54.23	54.79	53.06	39.3	39.7	40.5	1.38	1.38	1.31
Yarn mills.....	54.49	55.18	53.32	39.2	39.7	40.7	1.39	1.39	1.31
Thread mills.....	56.26	56.00	52.80	39.9	40.0	40.0	1.41	1.40	1.32
Broad-woven fabric mills.....	57.42	59.31	56.31	39.6	40.9	41.1	1.45	1.45	1.37
Cotton, silk, synthetic fiber.....	55.95	58.34	55.35	39.4	40.8	41.0	1.42	1.43	1.35
North.....	56.93	61.16	59.04	37.7	40.5	41.0	1.51	1.51	1.44
South.....	55.98	58.08	54.53	39.7	40.9	41.0	1.41	1.42	1.33
Woolen and worsted.....	65.28	66.49	63.95	40.8	41.3	41.8	1.60	1.61	1.53
Narrow fabrics and smallwares.....	60.65	60.30	57.77	39.9	40.2	40.4	1.52	1.50	1.43
Knitting mills.....	52.70	54.29	51.79	36.6	37.7	37.8	1.44	1.44	1.37
Full-fashioned hosiery.....	59.06	60.61	59.98	38.1	39.1	39.2	1.55	1.55	1.53
North.....	57.76	59.34	59.89	38.0	39.3	39.4	1.52	1.51	1.52
South.....	59.59	61.23	59.82	38.2	39.0	39.1	1.56	1.57	1.53
Seamless hosiery.....	47.61	49.24	43.56	35.8	37.3	36.3	1.33	1.32	1.20
North.....	49.18	50.12	47.24	36.7	37.4	38.1	1.34	1.34	1.24
South.....	47.48	49.24	43.32	35.7	37.3	36.1	1.33	1.32	1.20
Knit outerwear.....	53.58	55.58	52.20	36.2	37.3	36.5	1.48	1.49	1.43
Knit underwear.....	48.28	48.74	49.53	35.5	36.1	39.0	1.36	1.35	1.27
Dyeing and finishing textiles.....	64.94	69.72	65.63	39.6	42.0	41.8	1.64	1.66	1.57
Dyeing and finishing textiles (except wool).....	65.11	69.89	65.63	39.7	42.1	41.8	1.64	1.66	1.57
Carpets, rugs, other floor coverings.....	76.96	77.28	75.47	41.6	42.0	42.4	1.85	1.84	1.78
Wool carpets, rugs, and carpet yarn.....	77.15	76.54	73.92	41.7	41.6	42.0	1.85	1.84	1.76
Hats (except cloth and millinery).....	59.01	58.13	60.16	36.2	34.6	37.6	1.63	1.68	1.60
Miscellaneous textile goods.....	70.58	72.66	67.57	40.8	42.0	41.2	1.73	1.73	1.64
Felt goods (except woven felts and hats).....	78.63	81.65	70.30	42.5	43.2	41.6	1.85	1.89	1.69
Lace goods.....	67.68	67.97	64.90	37.6	38.4	38.4	1.80	1.77	1.69
Paddings and upholstery filling.....	71.17	75.50	67.37	40.9	42.9	40.1	1.74	1.76	1.68
Processed waste and recovered fibers.....	56.03	59.60	51.75	41.2	43.5	41.4	1.36	1.37	1.25
Artificial leather, oilcloth, and other coated fabrics.....	95.55	98.70	91.86	45.5	47.0	45.7	2.10	2.10	2.01
Cordage and twine.....	59.40	59.60	57.74	39.6	40.0	40.1	1.50	1.49	1.44

# 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		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
	<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS</b>	<b>\$52.98</b>	<b>\$54.09</b>	<b>\$50.37</b>	<b>35.8</b>	<b>36.3</b>	<b>36.5</b>	<b>\$1.48</b>	<b>\$1.49</b>
Men's and boys' suits and coats	64.59	64.78	61.22	36.7	36.6	37.1	1.76	1.77	1.65
Men's and boys' furnishings and work clothing	45.41	46.08	42.67	35.2	36.0	37.1	1.29	1.28	1.15
Shirts, collars, and nightwear	46.54	47.32	42.82	35.8	36.4	36.6	1.30	1.30	1.17
Separate trousers	47.97	48.10	44.37	36.9	37.0	37.6	1.30	1.30	1.18
Work shirts	35.09	40.72	38.12	29.0	35.1	38.9	1.21	1.16	.98
Women's outerwear	56.35	57.28	54.62	35.0	35.8	35.7	1.61	1.60	1.53
Women's dresses	55.17	57.28	53.81	34.7	35.8	35.4	1.59	1.60	1.52
Household apparel	45.21	47.74	41.36	35.6	37.3	36.6	1.27	1.28	1.13
Women's suits, coats, and skirts	70.38	68.74	70.00	34.5	34.2	35.0	2.04	2.01	2.00
Women's, children's under garments	49.14	49.18	45.49	36.4	36.7	36.1	1.35	1.34	1.26
Underwear and nightwear, except corsets	46.36	46.74	42.12	36.5	36.8	36.0	1.27	1.27	1.17
Corsets and allied garments	53.21	52.93	50.68	36.2	36.5	36.2	1.47	1.45	1.40
Millinery	61.93	61.03	61.22	35.8	35.9	37.1	1.73	1.70	1.65
Children's outerwear	50.32	49.14	47.12	37.0	36.4	37.1	1.36	1.35	1.27
Miscellaneous apparel and accessories	49.23	51.15	47.00	36.2	36.8	37.6	1.36	1.39	1.25
Other fabricated textile products	55.13	57.07	50.42	37.5	38.3	36.8	1.47	1.49	1.37
Curtains, draperies, and other house-furnishings	47.47	48.10	43.67	36.8	37.0	35.5	1.29	1.30	1.23
Textile bags	58.21	59.64	56.12	39.6	40.3	39.8	1.47	1.48	1.41
Canvas products	57.38	56.06	54.46	39.3	39.2	38.9	1.46	1.43	1.40
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)</b>	<b>67.42</b>	<b>69.65</b>	<b>66.73</b>	<b>39.2</b>	<b>39.8</b>	<b>40.2</b>	<b>1.72</b>	<b>1.75</b>	<b>1.66</b>
Logging camps and contractors	(1/)	74.69	71.23	(1/)	38.5	37.1	(1/)	1.94	1.92
Sawmills and planing mills	67.34	69.74	67.80	38.7	39.4	40.6	1.74	1.77	1.67
Sawmills and planing mills, general	67.55	69.95	68.04	38.6	39.3	40.5	1.75	1.78	1.68
South	48.24	49.56	46.43	40.2	41.3	42.6	1.20	1.20	1.09
West	84.18	86.16	86.49	36.6	37.3	38.1	2.30	2.31	2.27
Millwork, plywood, and prefabricated structural wood products	73.26	75.11	72.85	39.6	40.6	40.7	1.85	1.85	1.79
Millwork	72.86	73.93	71.28	39.6	40.4	40.5	1.84	1.83	1.76
Plywood	73.78	75.67	77.35	40.1	40.9	42.5	1.84	1.85	1.82
Wooden containers	55.86	57.53	52.63	39.9	40.8	40.8	1.40	1.41	1.29
Wooden boxes, other than cigar	55.32	56.30	53.63	39.8	40.5	41.9	1.39	1.39	1.28
Miscellaneous wood products	59.35	61.39	56.99	40.1	41.2	41.0	1.48	1.49	1.39
<b>FURNITURE AND FIXTURES</b>	<b>68.06</b>	<b>71.62</b>	<b>67.32</b>	<b>39.8</b>	<b>41.4</b>	<b>40.8</b>	<b>1.71</b>	<b>1.73</b>	<b>1.65</b>
Household furniture	64.55	68.15	63.90	39.6	41.3	40.7	1.63	1.65	1.57
Wood household furniture, except upholstered	58.84	61.45	58.80	40.3	41.8	42.0	1.46	1.47	1.40
Wood household furniture, upholstered	68.94	77.93	68.08	38.3	41.9	38.9	1.80	1.86	1.75
Mattresses and bedsprings	73.32	73.68	70.77	39.0	39.4	39.1	1.88	1.87	1.81
Office, public-building, and professional furniture	78.74	82.49	79.10	40.8	42.3	42.3	1.93	1.95	1.87
Wood office furniture	67.20	70.46	73.87	42.0	42.7	44.5	1.60	1.65	1.66
Metal office furniture	87.72	92.43	89.22	40.8	42.4	43.1	2.15	2.18	2.07
Partitions, shelving, lockers, and fixtures	85.48	85.70	79.80	40.9	41.2	40.1	2.09	2.08	1.99
Screens, blinds, and miscellaneous furniture and fixtures	65.07	68.11	66.42	39.2	40.3	41.0	1.66	1.69	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		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>PAPER AND ALLIED PRODUCTS.....</b>	<b>\$84.38</b>	<b>\$85.57</b>	<b>\$81.46</b>	<b>42.4</b>	<b>43.0</b>	<b>43.1</b>	<b>\$1.99</b>	<b>\$1.99</b>	<b>\$1.89</b>
Pulp, paper, and paperboard mills.....	93.07	94.15	89.60	43.9	44.2	44.8	2.12	2.13	2.00
Paperboard containers and boxes.....	76.48	78.12	73.87	40.9	42.0	41.5	1.87	1.86	1.78
Paperboard boxes.....	76.26	77.89	73.46	41.0	42.1	41.5	1.86	1.85	1.77
Fiber cans, tubes, and drums.....	78.20	82.61	78.69	39.9	41.1	41.2	1.96	2.01	1.91
Other paper and allied products.....	74.66	75.35	71.51	40.8	41.4	41.1	1.83	1.82	1.74
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	<b>93.35</b>	<b>96.19</b>	<b>91.72</b>	<b>38.1</b>	<b>39.1</b>	<b>38.7</b>	<b>2.45</b>	<b>2.46</b>	<b>2.37</b>
Newspapers.....	96.32	103.21	94.52	34.9	36.6	35.4	2.76	2.82	2.67
Periodicals.....	95.44	93.30	93.37	39.6	39.7	39.9	2.41	2.35	2.34
Books.....	83.79	84.66	82.62	39.9	40.7	40.3	2.10	2.08	2.05
Commercial printing.....	93.77	95.41	91.88	39.9	40.6	40.3	2.35	2.35	2.28
Lithographing.....	93.27	94.41	91.87	38.7	39.5	39.6	2.41	2.39	2.32
Greeting cards.....	63.79	62.32	59.52	38.2	38.0	38.4	1.67	1.64	1.55
Bookbinding and related industries.....	72.56	74.61	71.46	38.8	39.9	39.7	1.87	1.87	1.80
Miscellaneous publishing and printing services.....	108.29	110.26	108.19	38.4	39.1	39.2	2.82	2.82	2.76
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	<b>88.58</b>	<b>89.44</b>	<b>84.87</b>	<b>41.2</b>	<b>41.6</b>	<b>41.4</b>	<b>2.15</b>	<b>2.15</b>	<b>2.05</b>
Industrial inorganic chemicals.....	97.17	98.12	93.75	41.0	41.4	41.3	2.37	2.37	2.27
Alkalies and chlorine.....	94.37	95.94	91.62	40.5	41.0	40.9	2.33	2.34	2.24
Industrial organic chemicals.....	94.12	94.99	90.23	41.1	41.3	41.2	2.29	2.30	2.19
Plastics, except synthetic rubber.....	97.02	98.09	90.09	42.0	42.1	41.9	2.31	2.33	2.15
Synthetic rubber.....	107.07	107.33	101.88	41.5	41.6	42.1	2.58	2.58	2.42
Synthetic fibers.....	80.38	79.38	77.76	40.8	40.5	40.5	1.97	1.96	1.92
Explosives.....	89.54	91.96	85.26	40.7	41.8	40.6	2.20	2.20	2.10
Drugs and medicines.....	81.20	81.19	76.92	40.6	40.8	40.7	2.00	1.99	1.89
Soap, cleaning and polishing preparations.....	93.34	92.10	86.88	41.3	41.3	40.6	2.26	2.23	2.14
Soap and glycerin.....	103.09	100.28	93.83	41.4	41.1	40.1	2.49	2.44	2.34
Paints, pigments, and fillers.....	88.38	88.81	84.46	41.3	41.5	41.4	2.14	2.14	2.04
Paints, varnishes, lacquers, and enamels.....	85.49	86.11	82.20	41.1	41.4	41.1	2.08	2.08	2.00
Gum and wood chemicals.....	77.25	76.08	73.78	43.4	42.5	43.4	1.78	1.79	1.70
Fertilizers.....	69.30	70.72	64.79	42.0	42.6	41.8	1.65	1.66	1.55
Vegetable and animal oils and fats.....	75.03	75.33	71.92	45.2	46.5	46.4	1.66	1.62	1.55
Vegetable oils.....	69.16	69.24	64.96	45.8	47.1	46.4	1.51	1.47	1.40
Animal oils and fats.....	84.67	85.54	84.73	44.1	45.5	46.3	1.92	1.88	1.83
Miscellaneous chemicals.....	80.20	81.79	77.90	40.1	41.1	41.0	2.00	1.99	1.90
Essential oils, perfumes, cosmetics.....	65.70	70.93	65.35	38.2	40.3	38.9	1.72	1.76	1.68
Compressed and liquified gases.....	94.73	94.13	88.82	42.1	42.4	42.7	2.25	2.22	2.08
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	<b>106.19</b>	<b>105.37</b>	<b>99.95</b>	<b>41.0</b>	<b>41.0</b>	<b>41.3</b>	<b>2.59</b>	<b>2.57</b>	<b>2.42</b>
Petroleum refining.....	110.15	109.74	103.66	41.1	41.1	41.3	2.68	2.67	2.51
Coke, other petroleum and coal products..	92.34	91.53	87.77	40.5	40.5	41.4	2.28	2.26	2.12
<b>RUBBER PRODUCTS.....</b>	<b>92.48</b>	<b>93.15</b>	<b>87.91</b>	<b>41.1</b>	<b>41.4</b>	<b>40.7</b>	<b>2.25</b>	<b>2.25</b>	<b>2.16</b>
Tires and inner tubes.....	108.94	109.25	101.00	41.9	41.7	40.4	2.60	2.62	2.50
Rubber footwear.....	71.94	73.26	74.37	39.1	39.6	40.2	1.84	1.85	1.85
Other rubber products.....	81.60	82.59	79.73	40.8	41.5	41.1	2.00	1.99	1.94
<b>LEATHER AND LEATHER PRODUCTS.....</b>	<b>58.14</b>	<b>57.30</b>	<b>56.55</b>	<b>38.0</b>	<b>37.7</b>	<b>39.0</b>	<b>1.53</b>	<b>1.52</b>	<b>1.45</b>
Leather: tanned, curried, and finished...	75.84	76.42	74.19	39.5	39.8	40.1	1.92	1.92	1.85
Industrial leather belting and packing...	77.83	75.70	76.96	41.4	40.7	41.6	1.88	1.86	1.85
Boot and shoe cut stock and findings.....	55.77	55.30	55.58	38.2	38.4	39.7	1.46	1.44	1.40
Footwear (except rubber).....	56.09	54.31	54.21	37.9	37.2	39.0	1.48	1.46	1.39

# 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		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>LEATHER AND LEATHER PRODUCTS - Continued</b>									
Luggage.....	\$61.59	\$64.13	\$59.97	37.1	38.4	38.2	\$1.66	\$1.67	\$1.57
Handbags and small leather goods.....	52.36	53.02	49.39	37.4	37.6	37.7	1.40	1.41	1.31
Gloves and miscellaneous leather goods...	49.41	49.71	46.49	36.6	37.1	36.9	1.35	1.34	1.26
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>									
Flat glass.....	80.40	82.40	78.12	40.2	41.2	40.9	2.00	2.00	1.91
Glass and glassware, pressed or blown...	115.36	117.99	120.25	41.2	41.4	43.1	2.80	2.85	2.79
Glass containers.....	81.58	82.21	76.64	39.6	40.1	39.3	2.06	2.05	1.95
Pressed and blown glass.....	83.41	82.81	75.47	40.1	40.2	38.7	2.08	2.06	1.95
Cement, hydraulic.....	79.17	81.40	77.60	39.0	39.9	40.0	2.03	2.04	1.94
Glass products made of purchased glass...	70.22	72.39	68.06	39.9	40.9	41.5	1.76	1.77	1.64
Structural clay products.....	86.73	85.49	79.07	41.3	41.1	41.4	2.10	2.08	1.91
Brick and hollow tile.....	72.10	73.75	70.99	39.4	40.3	40.8	1.83	1.83	1.74
Floor and wall tile.....	65.46	68.71	66.88	39.2	40.9	41.8	1.67	1.68	1.60
Sewer pipe.....	75.24	74.43	72.58	39.6	39.8	40.1	1.90	1.87	1.81
Clay refractories.....	72.62	72.29	68.85	39.9	39.5	39.8	1.82	1.83	1.73
Pottery and related products.....	84.38	83.95	80.99	39.8	39.6	39.7	2.12	2.12	2.04
Concrete, gypsum, and plaster products...	70.10	73.34	67.89	36.7	38.4	37.3	1.91	1.91	1.82
Concrete products.....	77.10	80.34	76.38	41.9	43.9	43.4	1.84	1.83	1.76
Cut-stone and stone products.....	74.34	77.79	72.31	42.0	44.2	43.3	1.77	1.76	1.67
Miscellaneous nonmetallic mineral products.....	68.16	71.40	66.42	39.4	40.8	40.5	1.73	1.75	1.64
Abrasive products.....	86.31	87.57	80.99	41.1	41.7	40.7	2.10	2.10	1.99
Asbestos products.....	92.43	99.72	86.24	40.9	42.8	40.3	2.26	2.33	2.14
Nonclay refractories.....	85.91	88.19	80.77	41.5	42.4	41.0	2.07	2.08	1.97
Miscellaneous nonmetallic mineral products.....	97.20	91.41	93.26	40.5	39.4	40.2	2.40	2.32	2.32
<b>PRIMARY METAL INDUSTRIES.....</b>									
Blast furnaces, steel works, and rolling mills.....	101.27	100.94	97.63	41.0	41.2	41.9	2.47	2.45	2.33
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	108.65	107.16	103.25	41.0	40.9	41.8	2.65	2.62	2.47
Electrometallurgical products.....	109.06	107.57	103.66	41.0	40.9	41.8	2.66	2.63	2.48
Iron and steel foundries.....	91.76	91.13	86.88	40.6	40.5	40.6	2.26	2.25	2.14
Gray-iron foundries.....	88.51	91.10	86.32	40.6	41.6	41.5	2.18	2.19	2.08
Malleable-iron foundries.....	84.99	88.80	83.23	39.9	41.3	40.8	2.13	2.15	2.04
Steel foundries.....	86.24	86.07	86.32	40.3	40.6	41.7	2.14	2.12	2.07
Primary smelting and refining of nonferrous metals.....	97.94	99.10	95.04	42.4	42.9	43.2	2.31	2.31	2.20
Primary smelting and refining of copper, lead, and zinc.....	95.04	93.25	89.64	41.5	40.9	41.5	2.29	2.28	2.16
Primary refining of aluminum.....	91.52	89.38	87.99	41.6	41.0	41.9	2.20	2.18	2.10
Secondary smelting and refining of nonferrous metals.....	100.70	100.86	91.94	41.1	41.0	40.5	2.45	2.46	2.27
Rolling, drawing and alloying of nonferrous metals.....	87.15	87.78	85.57	41.5	41.6	43.0	2.10	2.11	1.99
Rolling, drawing, and alloying of copper.....	94.42	95.82	97.22	40.7	41.3	43.4	2.32	2.32	2.24
Rolling, drawing, and alloying of aluminum.....	95.35	96.28	104.42	41.1	41.5	45.8	2.32	2.32	2.28
Nonferrous foundries.....	93.60	94.42	89.13	40.0	40.7	40.7	2.34	2.32	2.19
Miscellaneous primary metal industries...	91.13	94.02	85.84	40.5	41.6	40.3	2.25	2.26	2.13
Iron and steel forgings.....	103.32	102.66	102.38	42.0	41.9	43.2	2.46	2.45	2.37
Wire drawing.....	112.92	108.88	108.25	43.1	42.2	43.3	2.62	2.58	2.50
Welded and heavy-riveted pipe.....	97.76	99.59	100.51	41.6	42.2	43.7	2.35	2.36	2.30
Welded and heavy-riveted pipe.....	97.92	96.32	93.90	40.8	40.3	40.3	2.40	2.39	2.33

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).</b>	<b>\$86.90</b>	<b>\$90.52</b>	<b>\$83.03</b>	<b>40.8</b>	<b>42.1</b>	<b>40.9</b>	<b>\$2.13</b>	<b>\$2.15</b>	<b>\$2.03</b>
Tin cans and other tinware.....	90.85	95.15	86.05	40.2	42.1	40.4	2.26	2.26	2.13
Cutlery, hand tools, and hardware.....	83.21	88.20	79.37	40.2	42.0	40.7	2.07	2.10	1.95
Cutlery and edge tools.....	74.52	75.58	73.22	40.5	41.3	41.6	1.84	1.83	1.76
Hand tools.....	83.01	85.90	81.38	40.1	41.3	41.1	2.07	2.08	1.98
Hardware.....	85.81	92.87	80.40	40.1	42.6	40.2	2.14	2.18	2.00
Heating apparatus (except electric) and plumbers' supplies.....	81.74	81.99	79.20	39.3	39.8	39.8	2.08	2.06	1.99
Sanitary ware and plumbers' supplies....	83.55	83.21	84.40	38.5	38.7	40.0	2.17	2.15	2.11
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	80.78	81.81	77.02	39.6	40.3	39.7	2.04	2.03	1.94
Fabricated structural metal products.....	90.91	92.21	86.32	41.7	42.3	41.5	2.18	2.18	2.08
Structural steel and ornamental metal work.....	91.54	92.21	85.28	41.8	42.3	41.2	2.19	2.18	2.07
Metal doors, sash, frames, molding, and trim.....	87.10	90.09	85.28	40.7	41.9	41.0	2.14	2.15	2.08
Boiler-shop products.....	91.34	92.00	86.11	41.9	42.2	41.6	2.18	2.18	2.07
Sheet-metal work.....	90.47	93.94	87.99	41.5	42.7	42.1	2.18	2.20	2.09
Metal stamping, coating, and engraving...	88.32	94.79	82.81	40.7	42.7	40.2	2.17	2.22	2.06
Vitreous-enameled products.....	69.72	67.83	61.56	40.3	39.9	36.0	1.73	1.70	1.71
Stamped and pressed metal products.....	91.62	99.13	85.24	40.9	43.1	40.4	2.24	2.30	2.11
Lighting fixtures.....	77.42	82.60	75.05	39.5	41.3	39.5	1.96	2.00	1.90
Fabricated wire products.....	82.42	84.65	80.12	40.6	41.7	41.3	2.03	2.03	1.94
Miscellaneous fabricated metal products..	89.25	91.16	86.83	41.9	42.8	43.2	2.13	2.13	2.01
Metal shipping barrels, drums, kegs, and pails.....	97.53	97.58	90.91	41.5	41.7	41.7	2.35	2.34	2.18
Steel springs.....	95.94	98.94	88.88	41.0	42.1	40.4	2.34	2.35	2.20
Bolts, nuts, washers, and rivets.....	90.29	92.66	90.67	41.8	42.9	43.8	2.16	2.16	2.07
Screw-machine products.....	89.45	89.65	86.88	42.8	43.1	44.1	2.09	2.08	1.97
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	<b>94.47</b>	<b>96.70</b>	<b>92.66</b>	<b>41.8</b>	<b>42.6</b>	<b>42.7</b>	<b>2.26</b>	<b>2.27</b>	<b>2.17</b>
Engines and turbines.....	97.17	100.32	93.86	41.0	41.8	41.9	2.37	2.40	2.24
Steam engines, turbines, and water wheels.....	103.48	113.27	94.47	40.9	43.4	40.2	2.53	2.61	2.35
Diesel and other internal-combustion engines, not elsewhere classified.....	95.12	95.82	93.68	41.0	41.3	42.2	2.32	2.32	2.22
Agricultural machinery and tractors.....	89.95	89.15	88.13	39.8	39.8	40.8	2.26	2.24	2.16
Tractors.....	94.54	92.63	92.93	40.4	40.1	41.3	2.34	2.31	2.25
Agricultural machinery (except tractors).....	84.67	84.93	83.42	39.2	39.5	40.3	2.16	2.15	2.07
Construction and mining machinery.....	93.24	94.78	91.80	42.0	42.5	43.1	2.22	2.23	2.13
Construction and mining machinery, except for oil fields.....	93.66	94.55	92.66	42.0	42.4	43.3	2.23	2.23	2.14
Oil-field machinery and tools.....	92.18	94.57	90.31	41.9	42.6	42.6	2.20	2.22	2.12
Metalworking machinery.....	109.42	111.19	106.91	44.3	45.2	45.3	2.47	2.46	2.36
Machine tools.....	107.04	110.64	105.80	44.6	46.1	46.2	2.40	2.40	2.29
Metalworking machinery (except machine tools).....	99.88	100.89	98.34	42.5	43.3	43.9	2.35	2.33	2.24
Machine-tool accessories.....	115.65	116.28	111.48	45.0	45.6	45.5	2.57	2.55	2.45
Special-industry machinery (except metalworking machinery).....	90.09	92.24	87.74	42.1	42.9	42.8	2.14	2.15	2.05
Food-products machinery.....	88.75	91.12	88.62	40.9	41.8	42.2	2.17	2.18	2.10
Textile machinery.....	78.28	78.85	75.48	41.2	41.5	41.7	1.90	1.90	1.81
Paper-industries machinery.....	102.86	106.00	94.71	47.4	48.4	46.2	2.17	2.19	2.05
Printing-trades machinery and equipment.	101.67	103.10	100.72	42.9	43.5	43.6	2.37	2.37	2.31

# 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		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>MACHINERY (EXCEPT ELECTRICAL) - Continued</b>									
General industrial machinery.....	\$93.86	\$97.20	\$91.38	41.9	43.2	42.7	\$2.24	\$2.25	\$2.14
Pumps, air and gas compressors.....	90.71	92.66	89.24	41.8	42.7	42.7	2.17	2.17	2.09
Conveyors and conveying equipment.....	97.44	101.09	95.91	42.0	43.2	43.4	2.32	2.34	2.21
Blowers, exhaust and ventilating fans...	87.34	90.31	84.03	41.2	42.4	41.6	2.12	2.13	2.02
Industrial trucks, tractors, etc.....	87.34	97.61	91.81	39.7	43.0	42.9	2.20	2.27	2.14
Mechanical power-transmission equipment.	95.53	99.39	96.14	41.9	43.4	43.5	2.28	2.29	2.21
Mechanical stokers and industrial furnaces and ovens.....	91.52	93.48	87.98	41.6	42.3	41.5	2.20	2.21	2.12
Office and store machines and devices....	90.39	92.16	86.30	40.9	41.7	40.9	2.21	2.21	2.11
Computing machines and cash registers...	99.12	98.88	92.03	42.0	41.9	40.9	2.36	2.36	2.25
Typewriters.....	(1/)	86.52	79.79	(1/)	42.0	40.5	(1/)	2.06	1.97
Service-industry and household machines..	86.55	88.70	89.46	39.7	40.5	42.0	2.18	2.19	2.13
Domestic laundry equipment.....	84.00	94.39	90.71	37.5	41.4	41.8	2.24	2.28	2.17
Commercial laundry, dry-cleaning, and pressing machines.....	79.37	83.13	83.27	40.7	42.2	42.7	1.95	1.97	1.95
Sewing machines.....	87.96	88.44	86.50	39.8	40.2	40.8	2.21	2.20	2.12
Refrigerators and air-conditioning units.....	88.00	88.62	91.58	40.0	40.1	42.4	2.20	2.21	2.16
Miscellaneous machinery parts.....	92.16	94.35	90.10	41.7	42.5	42.5	2.21	2.22	2.12
Fabricated pipe, fittings, and valves...	91.49	94.13	87.35	41.4	42.4	41.4	2.21	2.22	2.11
Ball and roller bearings.....	92.10	94.33	92.66	41.3	42.3	43.3	2.23	2.23	2.14
Machine shops (job and repair).....	93.28	94.81	90.94	42.4	42.9	43.1	2.20	2.21	2.11
<b>ELECTRICAL MACHINERY.....</b>									
Electrical generating, transmission, distribution, and industrial apparatus..	88.94	91.32	84.86	40.8	41.7	41.6	2.18	2.19	2.04
Wiring devices and supplies.....	77.16	78.12	74.66	40.4	40.9	40.8	1.91	1.91	1.83
Carbon and graphite products (electrical).....	86.10	86.93	84.62	41.0	41.2	42.1	2.10	2.11	2.01
Electrical indicating, measuring, and recording instruments.....	78.80	83.23	77.23	39.6	41.0	41.3	1.99	2.03	1.87
Motors, generators, and motor-generator sets.....	91.94	95.08	90.29	40.5	41.7	41.8	2.27	2.28	2.16
Power and distribution transformers....	94.48	97.02	84.87	40.9	42.0	41.4	2.31	2.31	2.05
Switchgear, switchboard, and industrial controls.....	93.44	94.30	85.07	41.9	42.1	41.7	2.23	2.24	2.04
Electrical welding apparatus.....	98.24	100.99	98.33	42.9	44.1	44.9	2.29	2.29	2.19
Electrical appliances.....	82.37	83.01	77.03	39.6	40.1	39.3	2.08	2.07	1.96
Insulated wire and cable.....	86.31	88.54	82.51	42.1	43.4	43.2	2.05	2.04	1.91
Electrical equipment for vehicles.....	86.18	94.13	83.01	39.9	42.4	40.1	2.16	2.22	2.07
Electric lamps.....	76.00	77.74	75.42	40.0	40.7	41.9	1.90	1.91	1.80
Communication equipment.....	79.00	79.15	74.70	40.1	40.8	40.6	1.97	1.94	1.84
Radios, phonographs, television sets, and equipment.....	75.64	75.76	70.80	39.6	40.3	40.0	1.91	1.88	1.77
Radio tubes.....	65.80	68.25	66.76	37.6	39.0	39.5	1.75	1.75	1.69
Telephone, telegraph, and related equipment.....	100.95	100.55	97.02	43.7	44.1	43.9	2.31	2.28	2.21
Miscellaneous electrical products.....	80.80	83.42	77.93	40.4	41.5	40.8	2.00	2.01	1.91
Storage batteries.....	88.70	96.11	85.28	40.5	43.1	41.0	2.19	2.23	2.08
Primary batteries (dry and wet).....	66.70	65.90	63.52	39.7	39.7	39.7	1.68	1.66	1.60
X-ray and non-radio electronic tubes...	86.37	89.10	83.20	39.8	40.5	40.0	2.17	2.20	2.08



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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>\$97.88</b>	<b>\$105.95</b>	<b>\$91.35</b>	<b>41.3</b>	<b>43.6</b>	<b>40.6</b>	<b>\$2.37</b>	<b>\$2.43</b>	<b>\$2.25</b>
Automobiles.....	98.74	113.90	90.97	40.8	45.2	39.9	2.42	2.52	2.28
Motor vehicles, bodies, parts, and accessories.....	99.55	115.57	91.77	40.8	45.5	39.9	2.44	2.54	2.30
Truck and bus bodies.....	81.56	84.85	79.00	39.4	40.6	40.1	2.07	2.09	1.97
Trailers (truck and automobile).....	80.36	82.16	81.39	39.2	39.5	39.7	2.05	2.08	2.05
Aircraft and parts.....	98.79	100.15	92.82	42.4	42.8	42.0	2.33	2.34	2.21
Aircraft.....	97.25	97.67	91.32	42.1	42.1	41.7	2.31	2.32	2.19
Aircraft engines and parts.....	101.67	104.92	96.08	42.9	43.9	42.7	2.37	2.39	2.25
Aircraft propellers and parts.....	92.29	103.84	92.77	40.3	44.0	41.6	2.29	2.36	2.23
Other aircraft parts and equipment.....	101.05	104.31	95.18	43.0	44.2	42.3	2.35	2.36	2.25
Ship and boat building and repairing.....	93.26	94.30	84.63	40.2	40.3	39.0	2.32	2.34	2.17
Shipbuilding and repairing.....	96.88	97.77	87.85	40.2	40.4	38.7	2.41	2.42	2.27
Boatbuilding and repairing.....	74.80	74.64	71.15	40.0	39.7	40.2	1.87	1.88	1.77
Railroad equipment.....	99.47	99.31	94.77	40.6	40.7	40.5	2.45	2.44	2.34
Locomotives and parts.....	101.75	102.06	99.49	41.7	42.0	42.7	2.44	2.43	2.33
Railroad and street cars.....	98.15	97.11	91.03	39.9	39.8	38.9	2.46	2.44	2.34
Other transportation equipment.....	77.62	77.02	77.55	39.4	38.9	40.6	1.97	1.98	1.91
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	<b>83.63</b>	<b>84.46</b>	<b>79.97</b>	<b>40.4</b>	<b>41.0</b>	<b>40.8</b>	<b>2.07</b>	<b>2.06</b>	<b>1.96</b>
Laboratory, scientific, and engineering instruments.....	99.45	98.18	91.52	42.5	42.5	41.6	2.34	2.31	2.20
Mechanical measuring and controlling instruments.....	85.26	85.90	82.60	40.6	41.1	41.3	2.10	2.09	2.00
Optical instruments and lenses.....	83.98	85.06	81.81	39.8	40.7	40.7	2.11	2.09	2.01
Surgical, medical, and dental instruments.....	72.00	73.12	70.58	40.0	40.4	40.8	1.80	1.81	1.73
Ophthalmic goods.....	64.39	65.93	62.40	39.5	40.2	40.0	1.63	1.64	1.56
Photographic apparatus.....	90.74	94.85	89.40	39.8	41.6	41.2	2.28	2.28	2.17
Watches and clocks.....	71.76	71.76	70.17	39.0	39.0	39.2	1.84	1.84	1.79
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES....</b>	<b>71.82</b>	<b>72.67</b>	<b>69.66</b>	<b>39.9</b>	<b>40.6</b>	<b>40.5</b>	<b>1.80</b>	<b>1.79</b>	<b>1.72</b>
Jewelry, silverware, and plated ware.....	71.73	78.51	71.99	40.3	42.9	42.1	1.78	1.83	1.71
Jewelry and findings.....	67.60	73.27	68.10	40.0	42.6	42.3	1.69	1.72	1.61
Silverware and plated ware.....	82.00	90.67	80.06	41.0	43.8	41.7	2.00	2.07	1.92
Musical instruments and parts.....	81.00	83.21	77.27	40.5	41.4	41.1	2.00	2.01	1.88
Toys and sporting goods.....	65.52	63.96	61.78	39.0	39.0	39.1	1.68	1.64	1.58
Games, toys, dolls, and children's vehicles.....	62.54	61.29	60.67	37.9	37.6	38.4	1.65	1.63	1.58
Sporting and athletic goods.....	(1/)	67.73	63.04	(1/)	40.8	39.9	(1/)	1.66	1.58
Pens, pencils, other office supplies.....	68.14	69.22	62.31	40.8	41.7	40.2	1.67	1.66	1.55
Costume jewelry, buttons, notions.....	63.90	64.64	63.02	39.2	39.9	40.4	1.63	1.62	1.56
Fabricated plastics products.....	77.68	78.21	72.62	41.1	41.6	40.8	1.89	1.88	1.78
Other manufacturing industries.....	74.64	75.17	73.93	39.7	40.2	40.4	1.88	1.87	1.83

# 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		
	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956	Jan. 1957	Dec. 1956	Jan. 1956
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
<b>TRANSPORTATION:</b>									
Class I railroads.....	(1/)	\$90.61	\$86.73	(1/)	41.0	41.3	(1/)	\$2.21	\$2.10
Local railways and bus lines.....	\$86.63	86.80	81.60	43.1	43.4	42.5	\$2.01	2.00	1.92
<b>COMMUNICATION:</b>									
Telephone.....	74.30	75.46	73.28	38.9	39.3	39.4	1.91	1.92	1.86
Switchboard operating employees 2/...	60.42	60.92	59.41	36.4	36.7	36.9	1.66	1.66	1.61
Line construction, installation, and maintenance employees 3/.....	100.11	104.01	102.93	42.6	43.7	43.8	2.35	2.38	2.35
Telegraph 4/.....	86.32	84.03	78.40	41.7	41.6	41.7	2.07	2.02	1.88
<b>OTHER PUBLIC UTILITIES:</b>									
Gas and electric utilities.....	93.30	93.94	89.42	41.1	41.2	41.4	2.27	2.28	2.16
Electric light and power utilities.....	94.58	95.45	91.08	41.3	41.5	41.4	2.29	2.30	2.20
Gas utilities.....	90.25	89.40	84.05	41.4	41.2	41.0	2.18	2.17	2.05
Electric light and gas utilities combined.....	94.37	95.47	90.69	40.5	40.8	41.6	2.33	2.34	2.18
<b>WHOLESALE AND RETAIL TRADE:</b>									
<b>WHOLESALE TRADE.....</b>									
	82.81	83.84	79.58	40.2	40.7	40.6	2.06	2.06	1.96
<b>RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....</b>									
General merchandise stores.....	61.50	59.83	59.44	38.2	38.6	38.6	1.61	1.55	1.54
Department stores and general mail-order houses.....	44.29	43.80	43.05	34.6	36.2	35.0	1.28	1.21	1.23
Food and liquor stores.....	49.42	50.09	48.42	34.8	37.1	35.4	1.42	1.35	1.36
Automotive and accessories dealers.....	63.66	63.27	61.92	36.8	37.0	37.3	1.73	1.71	1.66
Apparel and accessories stores.....	82.53	81.91	79.10	43.9	43.8	43.7	1.88	1.87	1.81
Other retail trade:	48.02	49.90	47.06	34.3	35.9	34.6	1.40	1.39	1.36
Furniture and appliance stores.....	70.81	73.19	67.39	41.9	42.8	41.6	1.69	1.71	1.62
Lumber and hardware supply stores.....	71.45	73.08	69.72	41.3	42.0	42.0	1.73	1.74	1.66
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Banks and trust companies.....	63.76	62.86	61.72	-	-	-	-	-	-
Security dealers and exchanges.....	98.81	99.68	99.09	-	-	-	-	-	-
Insurance carriers.....	79.16	79.89	75.78	-	-	-	-	-	-
<b>SERVICE AND MISCELLANEOUS:</b>									
<b>Hotels and lodging places:</b>									
Hotels, year-round 5/.....	42.61	43.14	41.61	40.2	40.7	41.2	1.06	1.06	1.01
<b>Personal services:</b>									
Laundries.....	42.80	42.91	41.51	40.0	40.1	40.3	1.07	1.07	1.03
Cleaning and dyeing plants.....	49.54	50.05	47.34	38.4	39.1	38.8	1.29	1.28	1.22
<b>Motion pictures:</b>									
Motion-picture production and distribution.....	93.75	94.86	93.21	-	-	-	-	-	-

1/ Not available. For logging camps and contractors, see announcement on Contents Page.

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	Jan....	\$78.55	\$68.54	\$104.22	\$90.94	\$41.51	\$36.22
1941.....	29.58	47.03	30.86	49.06	18.69	29.71	Feb....	78.17	68.21	103.18	90.03	40.90	35.69
1942.....	36.65	52.58	35.02	50.24	20.34	29.18	Mar....	78.78	68.68	102.38	89.26	41.70	36.36
1943.....	43.14	58.30	41.62	56.24	23.08	31.19	Apr....	78.99	68.75	105.46	91.78	42.12	36.66
1944.....	46.08	61.28	51.27	68.18	25.95	34.51	May....	79.00	68.46	106.02	91.87	42.54	36.86
1945.....	44.39	57.72	52.25	67.95	27.73	36.06	June...	79.19	68.15	107.82	92.79	42.95	36.96
1946.....	43.82	52.54	58.03	69.58	30.20	36.21	July...	79.00	67.52	102.16	87.32	42.42	36.26
1947.....	49.97	52.32	66.59	69.73	32.71	34.25	Aug....	79.79	68.31	102.49	87.75	41.90	35.87
1948.....	54.14	52.67	72.12	70.16	34.23	33.30	Sept...	81.40	69.51	106.12	90.62	42.61	36.39
1949.....	54.92	53.95	63.28	62.16	34.98	34.36	Oct....	82.21	69.85	110.38	93.78	42.61	36.20
1950.....	59.33	57.71	70.35	68.43	35.47	34.50	Nov....	82.22	69.80	106.79	90.65	42.29	35.90
1951.....	64.71	58.30	77.79	70.08	37.81	34.06	Dec....	84.05	71.23	115.33	97.74	42.91	36.36
1952.....	67.97	59.89	78.09	68.80	38.63	34.04							
1953.....	71.69	62.67	85.31	74.57	39.69	34.69	1957						
1954.....	71.86	62.60	80.85	70.43	40.10	34.93	Jan....	82.21	69.55	110.78	93.72	42.80	36.21
1955.....	76.52	66.83	96.26	84.07	40.70	35.55							
1956.....	80.19	69.01	105.94	91.17	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	Jan....	\$78.55	148.3	\$64.74	\$56.49	\$72.07	\$62.89
1941.....	29.58	55.9	28.05	44.59	29.28	46.55	Feb....	78.17	147.6	64.44	56.23	71.77	62.63
1942.....	36.65	69.2	31.77	45.58	36.28	52.05	Mar....	78.78	148.8	64.92	56.60	72.25	62.99
1943.....	43.14	81.5	36.01	48.66	41.39	55.93	Apr....	78.99	149.2	65.08	56.64	72.42	63.03
1944.....	46.08	87.0	38.29	50.92	44.06	58.59	May....	79.00	149.2	65.09	56.40	72.43	62.76
1945.....	44.39	83.8	36.97	48.08	42.74	55.58	June...	79.19	149.6	65.24	56.14	72.58	62.46
1946.....	43.82	82.8	37.72	45.23	43.20	51.80	July...	79.00	149.2	65.09	55.63	72.43	61.91
1947.....	49.97	94.4	42.76	44.77	48.24	50.51	Aug....	79.79	150.7	65.71	56.26	73.06	62.55
1948.....	54.14	102.2	47.43	46.14	53.17	51.72	Sept....	81.40	153.7	66.97	57.19	74.37	63.51
1949.....	54.92	103.7	48.09	47.24	53.83	52.88	Oct....	82.21	155.3	67.62	57.45	75.03	63.75
1950.....	59.33	112.0	51.09	49.70	57.21	55.65	Nov....	82.22	155.3	67.63	57.41	75.04	63.70
1951.....	64.71	122.2	54.04	48.68	61.28	55.21	Dec....	84.05	158.7	69.10	58.56	76.54	64.86
1952.....	67.97	128.4	55.66	49.04	63.62	56.05							
1953.....	71.69	135.4	58.54	51.17	66.58	58.20	1957						
1954.....	71.86	135.7	59.55	51.87	66.78	58.17	Jan....	82.21	155.3	67.42	57.04	74.82	63.30
1955.....	76.52	144.5	63.15	55.15	70.45	61.53							
1956.....	80.19	151.4	66.02	56.82	73.38	63.15							

# Adjusted Earnings

**Table C-4: Average hourly earnings, gross and excluding overtime, and average weekly hours of production workers in manufacturing**

Year and month	Manufacturing				Durable goods			Nondurable goods		
	Average hourly earnings			Average weekly hours	Average hourly earnings		Average weekly hours	Average hourly earnings		Average weekly hours
	Gross	Excluding overtime Amount	Index (1947-49 = 100)		Gross	Excluding overtime		Gross	Excluding overtime	
<u>Annual average:</u>										
1941.....	\$0.729	\$0.702	54.5	40.6	\$0.808	\$0.770	42.1	\$0.640	\$0.625	38.9
1942.....	.853	.805	62.5	42.9	.947	.881	45.1	.723	.698	40.3
1943.....	.961	.894	69.4	44.9	1.059	.976	46.6	.803	.763	42.5
1944.....	1.019	.947	73.5	45.2	1.117	1.029	46.6	.861	.814	43.1
1945.....	1.023	<u>1</u> /.963	<u>1</u> /74.8	43.4	1.111	<u>1</u> /1.042	44.1	.904	<u>1</u> /.858	42.3
1946.....	1.086	1.051	81.6	40.4	1.156	1.122	40.2	1.015	.981	40.5
1947.....	1.237	1.198	93.0	40.4	1.292	1.250	40.6	1.171	1.133	40.1
1948.....	1.350	1.310	101.7	40.1	1.410	1.366	40.5	1.278	1.241	39.6
1949.....	1.401	1.367	106.1	39.2	1.469	1.434	39.5	1.325	1.292	38.8
1950.....	1.465	1.415	109.9	40.5	1.537	1.480	41.2	1.378	1.337	39.7
1951.....	1.59	1.53	118.8	40.7	1.67	1.60	41.6	1.48	1.43	39.5
1952.....	1.67	1.61	125.0	40.7	1.77	1.70	41.5	1.54	1.49	39.6
1953.....	1.77	1.71	132.8	40.5	1.87	1.80	41.3	1.61	1.56	39.5
1954.....	1.81	1.76	136.6	39.7	1.92	1.86	40.2	1.66	1.61	39.0
1955.....	1.88	1.82	141.3	40.7	2.01	1.93	41.4	1.71	1.66	39.8
1956.....	1.98	1.91	148.3	40.5	2.10	2.02	41.1	1.81	1.75	39.6
1956: Jan...	1.93	1.87	145.2	40.7	2.06	1.98	41.2	1.75	1.70	39.9
Feb...	1.93	1.86	144.4	40.5	2.05	1.98	41.0	1.75	1.70	39.8
Mar...	1.95	1.88	146.0	40.4	2.06	1.99	40.9	1.78	1.73	39.6
Apr...	1.96	1.90	147.5	40.3	2.08	2.00	41.1	1.79	1.74	39.2
May...	1.97	1.90	147.5	40.1	2.08	2.01	40.8	1.80	1.75	39.1
June..	1.97	1.91	148.3	40.2	2.09	2.02	40.8	1.81	1.76	39.2
July..	1.97	1.90	147.5	40.1	2.07	2.01	40.7	1.82	1.77	39.4
Aug...	1.98	1.91	148.3	40.3	2.10	2.03	40.8	1.81	1.75	39.6
Sept..	2.00	1.93	149.8	40.7	2.14	2.06	41.4	1.82	1.76	39.8
Oct...	2.02	1.94	150.6	40.7	2.15	2.06	41.4	1.83	1.78	39.8
Nov...	2.03	1.96	152.2	40.5	2.16	2.08	41.2	1.85	1.79	39.6
Dec...	2.05	1.97	153.0	41.0	2.18	2.09	41.9	1.86	1.80	39.8
1957: Jan...	2.05	1.98	153.7	40.1	2.17	2.10	40.8	1.86	1.81	39.1

1/ 11-month average; August 1945 excluded because of VJ-day holiday period.

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	80.3	126.7	107.7	116.2	97.5	413.2	90.5
1956: Average..	110.2	82.3	139.4	107.9	116.8	97.4	375.6	86.5
1956: Jan.....	108.1	82.0	112.0	109.3	119.0	97.6	389.3	83.6
Feb.....	107.4	80.9	113.0	108.4	117.4	97.6	385.8	83.3
Mar.....	106.6	80.4	114.0	107.3	116.2	96.7	374.1	80.1
Apr.....	108.2	81.8	128.1	107.1	117.5	94.7	381.0	83.9
May.....	108.5	81.7	140.0	105.8	115.6	94.1	377.3	87.6
June.....	110.9	84.7	154.4	106.4	115.6	95.4	374.6	92.4
July.....	106.5	76.1	154.4	101.7	107.3	95.0	368.7	90.7
Aug.....	112.9	83.7	159.9	108.1	114.6	100.3	355.0	95.0
Sept.....	114.5	85.6	159.8	109.9	116.8	101.7	371.8	91.2
Oct.....	114.9	84.1	157.3	110.9	119.6	100.4	373.6	88.6
Nov.....	112.2	82.3	144.4	109.6	119.7	97.6	371.9	83.0
Dec.....	112.2	84.6	136.9	110.5	121.5	97.5	380.4	79.0
1957: Jan.....	106.1	81.3	113.7	106.7	117.3	94.0	371.8	74.0

Manufacturing - Durable goods - Continued

Year and month	Manufacturing - Durable goods - Continued						
	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..	106.2	108.6	110.0	118.0	106.4	130.8	146.3
1956: Average..	106.9	110.9	110.5	116.3	116.0	139.7	136.0
1956: Jan.....	108.8	108.2	117.8	118.8	116.3	136.3	146.9
Feb.....	109.5	108.1	115.4	117.4	117.2	134.5	138.7
Mar.....	108.0	109.6	114.3	116.3	117.3	133.4	136.6
Apr.....	104.9	111.4	115.2	117.0	118.6	139.8	135.1
May.....	102.6	112.8	112.8	114.1	116.5	138.5	128.1
June.....	103.4	113.5	112.6	113.6	116.0	137.1	126.5
July.....	101.1	109.7	73.8	106.9	112.8	133.4	127.3
Aug.....	107.6	112.8	106.7	111.9	113.1	138.7	125.7
Sept.....	109.8	111.1	114.3	117.3	115.0	142.8	124.4
Oct.....	110.9	113.3	113.7	121.3	114.9	146.6	137.6
Nov.....	106.7	111.4	113.1	119.9	114.7	146.8	147.9
Dec.....	108.7	110.2	115.0	121.6	118.5	145.8	156.8
1957: Jan.....	102.6	104.8	114.3	117.4	117.3	140.6	148.7

See footnotes at end of table.

# Man-Hour Indexes

**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..	117.9	104.1	91.0	91.5	83.0	104.9
1956: Average..	122.4	104.9	91.9	88.6	80.1	104.3
1956: Jan.....	121.2	103.0	84.9	89.9	84.3	107.4
Feb.....	121.6	105.3	82.6	81.6	84.3	112.4
Mar.....	121.2	104.2	82.9	76.5	82.5	109.1
Apr.....	122.6	103.4	82.3	74.6	80.3	102.9
May.....	121.5	102.9	85.4	76.6	79.0	99.5
June.....	120.8	102.7	91.0	77.7	78.3	99.2
July.....	119.2	97.7	95.5	74.5	75.2	97.2
Aug.....	122.3	105.3	105.7	99.7	78.4	105.2
Sept.....	124.4	108.5	110.7	114.6	78.5	103.3
Oct.....	125.2	111.7	101.4	107.8	80.2	105.8
Nov.....	124.4	108.6	93.4	97.1	80.2	104.5
Dec.....	124.7	105.0	88.7	96.5	79.7	105.2
1957: Jan.....	122.2	98.1	82.8	88.4	76.4	101.9
	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	108.6	107.0	94.5	113.3	95.0
1956: Average..	116.5	113.1	108.6	94.1	109.4	92.7
1956: Jan.....	115.8	109.9	109.1	93.3	117.5	99.1
Feb.....	114.1	110.3	109.0	91.5	113.1	101.7
Mar.....	115.5	112.2	110.4	93.7	109.6	97.0
Apr.....	115.6	112.2	111.0	93.5	109.7	89.4
May.....	115.1	111.7	109.3	92.5	108.3	87.5
June.....	116.8	111.9	108.1	94.9	103.6	91.7
July.....	116.4	111.0	105.8	94.0	103.8	92.4
Aug.....	117.4	112.9	106.3	96.4	106.6	93.6
Sept.....	118.6	114.7	108.2	97.3	109.7	89.3
Oct.....	117.9	116.3	108.5	94.7	112.9	89.1
Nov.....	117.4	115.1	107.9	94.6	101.1	88.9
Dec.....	118.6	116.9	108.7	93.9	115.3	91.4
1957: Jan.....	115.9	112.2	107.9	93.2	114.7	91.3

<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
	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.
ALABAMA.....	\$68.51	\$68.57	\$63.49	39.6	40.1	40.7	\$1.73	\$1.71	\$1.56
Birmingham.....	89.95	86.67	85.08	40.7	40.5	41.1	2.21	2.14	2.07
Mobile.....	83.18	87.31	69.72	41.8	42.8	40.3	1.99	2.04	1.73
ARIZONA.....	92.80	94.33	87.99	41.8	42.3	42.1	2.22	2.23	2.09
Phoenix.....	90.25	91.57	85.90	41.4	42.2	41.1	2.18	2.17	2.09
ARKANSAS.....	57.02	57.20	53.97	39.6	40.0	41.2	1.44	1.43	1.31
Little Rock-									
N. Little Rock.....	56.66	57.11	50.96	39.9	40.5	39.5	1.42	1.41	1.29
CALIFORNIA.....	92.39	93.17	86.47	40.4	40.8	40.1	2.29	2.28	2.16
Fresno.....	77.89	76.64	76.57	38.0	38.1	38.6	2.05	2.01	1.98
Los Angeles-Long Beach...	93.31	94.01	86.80	41.1	41.5	40.7	2.27	2.26	2.13
Sacramento.....	93.66	94.34	82.51	38.8	40.0	38.3	2.41	2.36	2.16
San Bernardino-									
Riverside-Ontario.....	90.24	91.62	84.43	39.8	40.6	40.1	2.27	2.26	2.11
San Diego.....	97.21	99.11	86.69	42.8	43.6	40.5	2.27	2.27	2.14
San Francisco-Oakland....	95.20	95.35	88.25	39.3	39.5	39.2	2.43	2.41	2.25
San Jose.....	91.36	93.54	86.50	39.8	40.5	39.9	2.30	2.31	2.17
Stockton.....	83.59	83.67	82.66	37.8	38.8	39.3	2.21	2.16	2.10
COLORADO.....	84.85	86.11	79.60	40.6	41.6	40.0	2.09	2.07	1.99
Denver.....	84.25	85.28	80.20	40.7	41.2	40.3	2.07	2.07	1.99
CONNECTICUT.....	84.87	86.51	82.49	41.4	42.2	42.3	2.05	2.05	1.95
Bridgeport.....	89.67	91.16	86.66	42.1	42.4	42.9	2.13	2.15	2.02
Hartford.....	92.45	94.82	87.90	43.0	43.9	43.3	2.15	2.16	2.03
New Britain.....	81.40	81.59	82.60	40.7	41.0	42.8	2.00	1.99	1.93
New Haven.....	81.18	82.35	75.26	41.0	41.8	40.9	1.98	1.97	1.84
Stamford.....	86.43	87.91	85.49	40.2	40.7	41.3	2.15	2.16	2.07
Waterbury.....	82.42	83.23	85.73	40.4	41.0	43.3	2.04	2.03	1.98
DELAWARE.....	82.42	89.88	75.66	40.4	42.8	39.2	2.04	2.10	1.93
Wilmington.....	94.07	101.52	86.90	40.9	43.2	39.5	2.30	2.35	2.20
DISTRICT OF COLUMBIA:									
Washington.....	85.24	86.37	81.14	39.1	39.8	39.2	2.18	2.17	2.07
FLORIDA.....	64.79	65.10	59.92	41.8	42.0	41.9	1.55	1.55	1.43
Jacksonville.....	70.93	73.85	62.71	41.0	42.2	40.2	1.73	1.75	1.56
Miami.....	65.25	64.62	60.89	41.3	40.9	39.8	1.58	1.58	1.53
Tampa-St. Petersburg.....	63.99	65.25	60.52	40.5	41.3	42.1	1.58	1.58	1.44
GEORGIA.....	60.19	61.65	55.61	39.6	40.3	40.3	1.52	1.53	1.38
Atlanta.....	74.77	79.27	68.06	40.2	41.5	39.8	1.86	1.91	1.71
Savannah.....	79.34	77.75	70.73	42.2	41.8	42.1	1.88	1.86	1.68
IDAHO.....	86.09	81.20	83.20	42.2	40.0	41.6	2.04	2.03	2.00
ILLINOIS.....	(1/)	89.56	85.42	(1/)	41.4	41.2	(1/)	2.17	2.07
Chicago.....	(1/)	93.99	89.15	(1/)	41.5	41.3	(1/)	2.26	2.16
Peoria.....	(1/)	91.45	89.58	(1/)	40.6	41.3	(1/)	2.25	2.17
Rockford.....	(1/)	94.99	94.90	(1/)	44.2	45.8	(1/)	2.15	2.07
INDIANA.....	89.92	91.94	87.39	40.5	41.5	41.5	2.22	2.22	2.11
IOWA.....	82.80	83.11	78.62	40.5	40.9	41.3	2.05	2.03	1.90
Des Moines.....	88.03	87.44	85.72	39.6	40.1	40.8	2.22	2.18	2.10

See footnotes at end of table.

State and Area Hours and Earnings

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
	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.
KANSAS.....	\$87.09	\$90.25	\$82.62	41.6	42.6	42.0	\$2.10	\$2.12	\$1.97
Topeka.....	80.86	81.73	78.56	40.3	40.5	40.6	2.00	2.02	1.93
Wichita.....	92.00	94.12	87.16	42.1	43.0	42.3	2.18	2.19	2.06
KENTUCKY.....	75.06	75.20	71.20	40.0	40.0	40.2	1.88	1.88	1.77
Louisville.....	83.95	86.04	80.74	40.1	40.9	41.0	2.09	2.11	1.97
LOUISIANA.....	77.11	76.73	71.97	40.8	41.7	41.6	1.89	1.84	1.73
Baton Rouge.....	102.29	103.57	99.31	39.8	40.3	40.7	2.57	2.57	2.44
New Orleans.....	75.81	75.60	69.95	39.9	40.0	40.2	1.90	1.89	1.74
MAINE.....	66.22	66.40	61.49	40.9	41.3	41.0	1.62	1.61	1.50
Lewiston.....	56.56	55.22	54.76	38.1	38.0	39.7	1.49	1.45	1.38
Portland.....	70.23	71.99	65.67	40.9	42.1	41.2	1.72	1.71	1.59
MARYLAND 2/.....	81.38	82.64	77.50	40.1	40.8	40.6	2.03	2.02	1.91
Baltimore 2/.....	85.36	86.93	81.74	40.4	41.2	41.0	2.11	2.11	2.00
MASSACHUSETTS.....	73.47	75.33	71.63	39.5	40.5	40.7	1.86	1.86	1.76
Boston.....	76.44	79.38	74.34	39.0	40.5	40.4	1.96	1.96	1.84
Fall River.....	54.21	55.88	54.81	35.9	37.5	38.6	1.51	1.49	1.42
New Bedford.....	59.35	60.37	56.06	37.8	38.7	38.4	1.57	1.56	1.46
Springfield-Holyoke.....	81.81	83.00	78.21	40.7	41.5	41.6	2.01	2.00	1.88
Worcester.....	82.41	83.64	83.58	40.2	40.6	42.0	2.05	2.06	1.99
MICHIGAN.....	(1/)	106.73	92.29	(1/)	43.6	40.8	(1/)	2.45	2.26
Detroit.....	(1/)	114.29	96.93	(1/)	44.3	40.9	(1/)	2.58	2.37
Flint.....	(1/)	121.45	91.93	(1/)	46.8	39.9	(1/)	2.60	2.30
Grand Rapids.....	(1/)	89.98	83.84	(1/)	41.2	40.7	(1/)	2.18	2.06
Lansing.....	(1/)	115.71	93.47	(1/)	45.5	40.2	(1/)	2.54	2.33
Muskegon.....	(1/)	96.81	89.64	(1/)	42.0	40.8	(1/)	2.31	2.20
Saginaw.....	(1/)	100.36	86.73	(1/)	43.0	40.3	(1/)	2.33	2.15
MINNESOTA.....	84.74	84.65	81.73	40.7	41.2	41.6	2.08	2.05	1.97
Duluth.....	89.56	85.54	84.14	40.1	39.4	39.2	2.24	2.18	2.15
Minneapolis-St. Paul.....	86.91	86.24	83.58	40.8	40.8	41.2	2.13	2.11	2.03
MISSISSIPPI.....	53.18	53.04	49.65	39.1	39.0	40.7	1.36	1.36	1.22
Jackson.....	59.86	60.76	57.11	41.0	41.9	42.3	1.46	1.45	1.35
MISSOURI.....	78.56	78.67	73.78	40.0	39.9	40.0	1.96	1.97	1.84
Kansas City.....	83.98	87.12	80.75	39.9	41.2	40.5	2.09	2.10	1.99
St. Louis.....	86.18	87.35	81.63	40.4	40.8	40.6	2.13	2.14	2.01
MONTANA.....	85.63	87.71	91.79	38.9	40.1	42.0	2.20	2.19	2.19
NEBRASKA.....	(1/)	78.54	77.27	(1/)	41.9	42.5	(1/)	1.88	1.82
Omaha.....	(1/)	83.27	84.64	(1/)	42.0	43.9	(1/)	1.98	1.93
NEVADA.....	94.74	96.50	86.79	38.2	38.6	37.9	2.48	2.50	2.29
NEW HAMPSHIRE.....	64.46	64.78	62.82	40.8	41.0	41.6	1.58	1.58	1.51
Manchester.....	60.28	59.58	58.69	39.4	39.2	40.2	1.53	1.52	1.46

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	
	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.
NEW JERSEY.....	\$85.65	\$86.50	\$81.32	40.4	40.9	40.5	\$2.12	\$2.12	\$2.01
Newark-Jersey City 3/....	87.79	88.37	83.44	40.7	41.2	40.7	2.16	2.14	2.05
Paterson 3/.....	85.56	86.77	80.23	40.9	41.4	40.6	2.09	2.10	1.98
Perth Amboy 3/.....	87.25	88.22	82.53	40.3	40.9	40.3	2.17	2.16	2.05
Trenton.....	82.50	85.19	78.88	39.7	40.7	39.9	2.08	2.09	1.98
NEW MEXICO.....	88.54	88.60	84.87	40.8	41.4	41.0	2.17	2.14	2.07
Albuquerque.....	83.41	88.20	83.72	40.1	42.2	42.5	2.08	2.09	1.97
NEW YORK.....	(1/)	82.19	77.12	(1/)	40.0	39.5	(1/)	2.05	1.95
Albany-Schenectady-Troy..	(1/)	92.46	83.25	(1/)	41.7	40.2	(1/)	2.22	2.07
Binghamton.....	(1/)	75.43	71.60	(1/)	40.2	39.8	(1/)	1.88	1.80
Buffalo.....	(1/)	98.60	91.59	(1/)	41.7	41.0	(1/)	2.37	2.23
Elmira.....	(1/)	82.78	76.45	(1/)	41.9	39.8	(1/)	1.98	1.92
Nassau and Suffolk Counties 3/.....	93.53	97.14	87.18	41.8	43.1	41.5	2.24	2.26	2.10
New York-Northeastern New Jersey.....	81.33	82.18	77.22	39.1	39.7	39.0	2.08	2.07	1.98
New York City 3/.....	76.15	77.07	72.97	37.7	38.3	37.7	2.02	2.01	1.93
Rochester.....	(1/)	87.93	84.30	(1/)	40.8	41.0	(1/)	2.15	2.06
Syracuse.....	(1/)	86.60	83.28	(1/)	41.6	41.6	(1/)	2.08	2.00
Utica-Rome.....	(1/)	82.20	78.77	(1/)	41.9	41.6	(1/)	1.96	1.89
Westchester County 3/....	81.60	87.16	73.61	40.1	41.8	38.7	2.04	2.09	1.90
NORTH CAROLINA.....	55.95	57.51	53.73	39.4	40.5	40.4	1.42	1.42	1.33
Charlotte.....	60.40	61.84	57.82	40.0	41.5	41.6	1.51	1.49	1.39
Greensboro-High Point....	56.16	57.60	52.50	39.0	40.0	38.6	1.44	1.44	1.36
NORTH DAKOTA.....	(1/)	76.68	76.50	(1/)	42.7	44.5	(1/)	1.80	1.72
Fargo.....	(1/)	80.19	88.60	(1/)	41.6	46.1	(1/)	1.93	1.92
OHIO.....	93.70	95.64	90.74	40.9	41.7	41.5	2.29	2.29	2.19
Akron.....	98.31	98.64	91.03	40.2	40.4	39.0	2.45	2.44	2.33
Canton.....	95.56	94.28	93.36	40.4	40.3	41.8	2.37	2.34	2.23
Cincinnati.....	86.26	88.64	82.06	41.0	42.1	41.2	2.10	2.11	1.99
Cleveland.....	98.75	100.51	95.08	41.8	42.6	42.1	2.36	2.36	2.26
Columbus.....	86.94	88.25	83.63	40.2	40.9	41.1	2.16	2.16	2.03
Dayton.....	98.40	101.02	99.13	40.7	41.7	42.6	2.42	2.42	2.33
Toledo.....	91.65	96.61	90.47	39.0	40.7	40.1	2.35	2.37	2.26
Youngstown.....	108.36	107.71	102.76	41.9	41.6	42.0	2.59	2.59	2.45
OKLAHOMA.....	80.51	81.09	77.15	41.5	41.8	41.7	1.94	1.94	1.85
Oklahoma City.....	76.86	77.35	75.08	42.7	42.5	43.4	1.80	1.82	1.73
Tulsa.....	88.61	88.60	84.03	41.6	41.4	41.6	2.13	2.14	2.02
OREGON.....	87.82	87.10	90.63	38.1	38.0	39.3	2.31	2.29	2.31
Portland.....	84.62	87.49	83.63	38.1	38.9	38.7	2.22	2.25	2.16
PENNSYLVANIA.....	83.18	84.03	79.22	39.8	40.4	40.4	2.09	2.08	1.96
Allentown-Bethlehem- Easton.....	84.19	83.79	76.90	39.9	39.9	39.6	2.11	2.10	1.94
Erie.....	90.94	90.30	84.25	42.1	42.0	42.4	2.16	2.15	1.99
Harrisburg.....	75.07	75.24	72.45	39.1	39.6	40.5	1.92	1.90	1.79
Lancaster.....	70.98	72.39	70.21	40.1	40.9	41.4	1.77	1.77	1.70
Philadelphia.....	85.01	85.86	80.80	40.1	40.5	40.4	2.12	2.12	2.00
Pittsburgh.....	100.69	101.02	97.00	40.6	40.9	41.4	2.48	2.47	2.34
Reading.....	72.65	73.60	72.34	39.7	40.0	40.3	1.83	1.84	1.80
Scranton.....	61.30	62.25	57.26	38.8	39.4	38.9	1.58	1.58	1.47
Wilkes-Barre-Hazleton...	57.15	57.30	54.05	37.6	37.7	38.2	1.52	1.52	1.42
York.....	70.93	72.04	66.50	41.0	41.4	40.9	1.73	1.74	1.63

See footnotes at end of table.

# State and Area Hours and Earnings

**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
	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.	Jan.	Dec.	Jan.
RHODE ISLAND <sup>2/</sup> .....	\$65.58	\$68.50	\$65.37	38.9	40.3	40.6	\$1.68	\$1.70	\$1.61
Providence.....	66.92	68.85	66.01	39.6	40.5	41.0	1.69	1.70	1.61
SOUTH CAROLINA.....	57.77	58.49	55.21	40.4	40.9	41.2	1.43	1.43	1.34
Charleston.....	61.39	62.80	56.80	39.1	40.0	40.0	1.57	1.57	1.42
SOUTH DAKOTA.....	81.20	81.17	79.91	45.0	44.8	47.4	1.80	1.81	1.69
Sioux Falls.....	88.82	95.67	90.61	47.6	49.5	51.4	1.87	1.93	1.76
TENNESSEE.....	65.27	65.60	62.42	39.8	40.0	40.8	1.64	1.64	1.53
Chattanooga.....	66.98	68.85	65.03	39.4	40.5	40.9	1.70	1.70	1.59
Knoxville <sup>2/</sup> .....	76.63	76.24	72.09	39.5	39.5	40.5	1.94	1.93	1.78
Memphis.....	72.36	72.98	69.89	40.2	41.0	41.6	1.80	1.78	1.68
Nashville.....	66.82	66.82	64.32	40.5	40.5	41.5	1.65	1.65	1.55
TEXAS.....	83.20	84.00	77.19	41.6	42.0	41.5	2.00	2.00	1.86
UTAH.....	87.78	87.48	83.82	39.9	40.5	40.3	2.20	2.16	2.08
Salt Lake City.....	85.69	84.66	80.77	41.0	40.7	41.0	2.09	2.08	1.97
VERMONT.....	68.10	69.25	65.97	41.5	42.1	42.4	1.64	1.65	1.56
Burlington.....	64.76	68.44	57.80	41.2	43.7	40.0	1.57	1.57	1.45
Springfield.....	84.04	84.66	83.73	42.4	42.6	44.2	1.98	1.99	1.89
VIRGINIA.....	63.28	64.46	60.49	39.8	40.8	40.6	1.59	1.58	1.49
Norfolk-Portsmouth.....	66.98	74.10	64.15	39.4	42.1	39.6	1.70	1.76	1.62
Richmond.....	71.55	72.41	66.74	41.6	42.1	41.2	1.72	1.72	1.62
WASHINGTON.....	90.56	91.35	87.62	39.0	39.3	39.2	2.32	2.32	2.23
Seattle.....	91.26	91.33	84.94	39.7	39.8	38.9	2.30	2.30	2.18
Spokane.....	94.27	95.18	88.68	39.5	39.7	40.1	2.39	2.40	2.21
Tacoma.....	85.13	88.55	83.27	37.1	39.5	38.6	2.29	2.24	2.16
WEST VIRGINIA.....	82.32	82.37	79.19	39.2	39.6	39.4	2.10	2.08	2.01
Charleston.....	100.03	101.11	96.96	40.5	41.1	40.4	2.47	2.46	2.40
WISCONSIN.....	87.50	88.32	83.75	41.5	42.0	41.7	2.11	2.10	2.01
Kenosha.....	(1/)	93.94	77.80	(1/)	41.4	35.7	(1/)	2.27	2.18
La Crosse.....	(1/)	85.30	74.82	(1/)	41.2	37.6	(1/)	2.07	1.99
Madison.....	(1/)	102.26	93.18	(1/)	43.5	41.9	(1/)	2.35	2.22
Milwaukee.....	96.37	96.67	91.60	41.3	41.6	41.6	2.33	2.32	2.20
Racine.....	88.72	87.72	87.94	40.3	40.3	41.5	2.20	2.18	2.12
WYOMING.....	90.29	91.32	90.72	39.6	41.7	42.0	2.28	2.19	2.16
Casper.....	107.87	104.02	108.54	40.4	39.4	42.9	2.67	2.64	2.53

<sup>1/</sup> Not available.

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

<sup>3/</sup> Subarea of New York-Northeastern New Jersey.

# 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 BIS 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 Classification 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 155,000 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>

Division or industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Mining.....	3,100	350,000	45
Contract construction..	20,900	735,000	24
Manufacturing.....	40,400	10,980,000	65
Transportation and public utilities:			
Interstate railroads. (ICC).....	---	1,128,000	95
Other transportation and public utilities.	14,600	1,581,000	57
Wholesale and retail trade.....	58,300	1,928,000	18
Finance, insurance, and real estate.....	12,000	693,000	31
Service and miscellaneous:			
Hotels and lodging places.....	1,200	144,000	37
Personal services:			
Laundries and cleaning and dyeing plants.....	2,300	94,000	19
Government:			
Federal (Civil Service Commission).....	---	2,162,000	100
State and local.....	4,400	2,033,000	41

<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.

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

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 1955 resulted in changes amounting to 0.8 percent of all nonagricultural employment. Among the eight major industry divisions changes ranged from 0.2 to 2.3 percent, with the exception of contract construction which required an adjustment of 6.2 percent. As a result, the estimating techniques for contract construction were reviewed in detail and certain refinements have been introduced. Manufacturing industries as a whole were changed by 0.2 percent, a slightly smaller amount than necessary in 1954. Within manufacturing, 43 of the 132 individual industries required no adjustment because the estimate and benchmark differed by less than 1.0 percent or less than 500 and 78 were adjusted by 1.0-4.9 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 Industries

These data are 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). This method eliminates only the earnings due to overtime paid for at one and one-half times the straight-time rates after 40 hours a week. Thus, 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 monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees who received pay during the month, except executives,

officials, and staff assistants (IGC 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, and earnings 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.

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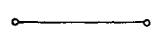
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