



# Employment and Earnings

OCTOBER 1954

VOL. 1 NO. 4

## INDEXES OF EMPLOYMENT

Two new tables (tables 4 and 5) showing indexes of employment (1947-49=100) will appear regularly in Employment and Earnings, beginning with this issue. Indexes are shown for total employment in each industry division as well as for production workers in manufacturing by major industry group. Among other uses, these indexes make possible a direct comparison of changes in employment before adjustment for seasonal variation with changes indicated by the indexes of employment after such adjustment (tables 6 and 7).

## SEASONALLY ADJUSTED EMPLOYMENT TOTALS

Employment totals adjusted for seasonal variation have been added to the tables formerly showing seasonally adjusted indexes only (tables 6 and 7). This makes available in one place the two basic sets of employment statistics which measure changes arising from cyclical and other nonseasonal influences.

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# Employment Trends

## NONFARM EMPLOYMENT UP A HALF MILLION IN SEPTEMBER

The number of nonfarm jobs rose by 480,000 between August and September 1954, to 48.5 million, according to employers' reports to the U. S. Department of Labor's Bureau of Labor Statistics. Non-farm employment usually increases about this amount between these months. The gain in September marks a continuation of the seasonal upturn which began in mid-July.

Gains occurred in durable and nondurable manufacturing, and in State and local government. The government increase resulted mainly from the re-opening of schools.

The workweek of factory production workers, at 39.7 hours, was the same as in August. However, average hourly earnings were up by 2 cents an hour over the month, and, as a consequence, average weekly earnings jumped to \$71.86 in September, an increase of 80 cents over August and 44 cents higher than in September 1953.

Net spendable weekly earnings for factory workers (earnings after deduction of social security and Federal income taxes) also rose. For the worker with three dependents the over-the-month rise was 66 cents, and at \$66.78 the September weekly net spendable earnings for workers in this category set a record for the month, and were 42 cents higher than a year earlier.

## GAINS WIDESPREAD IN MANUFACTURING

The total number of workers on factory payrolls was 16.0 million in September, up 147,000 from August, but 1.5 million lower than a year earlier. The August - September increase was about in line with seasonal expectations.

For durable goods industries as a whole, employment rose by 43,000, as most industry groups made gains. There was a 50,000 decline in transportation equipment manufacturing plants, due to auto model changeovers. In the lumber industry, however, there was a substantial rise, largely as a result of the West Coast lumber strike settlement. The electrical machinery group added 20,000 workers, and employment in furniture manufacturing plants expanded by 7,000, continuing the growth of the past few months. The work force in the ordnance industry was unchanged from a month earlier. This is the first month since July 1953 that employment in this industry has shown no decline.

Nondurable goods employment rose by 104,000 over the month, reflecting seasonal gains in most industries. In the rubber industry group, the rise was due to the ending of a work stoppage which began in July. The over-the-month employment gain was less than usual in the textile industry, where the lack of pickup was partly attributable to the effects of the recent hurricanes on New England mills.

## TRADE AND GOVERNMENT SHOW GAINS

During September, most nonmanufacturing industries continued the high levels of employment which have characterized this sector of the economy in recent years. Contract construction employment, at 2.8 million, continued near the alltime peak for the season. September employment in finance, at 2.1 million, and in service industries, at 5.6 million, was also at record levels for the month despite small declines from the August level.

Total Government employment in September was 6.7 million, a new record for the month. Federal employment continued to decline, but the small drop was far outweighed by a 300,000 increase in the payrolls of State and local governments as schools reopened.

Employment in transportation and public utilities as a whole, which usually declines between August and September, remained unchanged. There were increases in trucking, warehousing, and air transportation, - unusual at this season - Communications and other public utilities declined seasonally.

Retail stores and wholesale trade establishments added 130,000 employees to their staffs between August and September, with virtually every type of merchandising activity participating in the seasonal upswing. An employment decline in the staffs of automobile dealers reflected the forthcoming model changeover.

## FACTORY WORKWEEK UNCHANGED IN SEPTEMBER

The average workweek of factory production workers was 39.7 hours in September, unchanged from August. In most industries the over-the-month changes were small and showed no significant pattern. Especially large changes were recorded only in tobacco, where the workweek rose more than an hour, and in leather and ordnance, where declines of 1.4 and 0.7 hours, respectively, were noted.

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#### FACTORY EARNINGS ABOVE YEAR AGO

Gross hourly earnings of factory production workers, including overtime and other premium pay, averaged \$1.81 in September, 2 cents higher than in August. Increases occurred in nearly every industry group. The largest over-the-month increase--12 cents an hour--was in the lumber industry, and resulted from the resumption of work in the higher paid West Coast segment of the industry.

Compared with year-ago levels, average hourly earnings for manufacturing workers in September 1954 were up 2 cents. Some over-the-year rise in hourly pay was reported in all industries except primary metals. Food showed the largest gain--6 cents. There were increases of 5 cents in ordnance, transportation equipment, paper, and chemicals.

#### WEEKLY PAY UP SHARPLY

The increase in hourly earnings, coupled with the stability of the workweek between August and September, resulted in a sharp rise in the average weekly earnings of manufacturing workers. The September figure of \$71.86 was the highest attained this year and 80 cents higher than a month earlier. Among the individual industry groups, the largest increases in weekly pay included \$4.34 in lumber, \$1.92 in petroleum, and \$1.18 in chemicals.

Average net spendable weekly earnings (obtained by deducting social security and Federal income taxes from gross weekly earnings) increased substantially between August and September. The net spendable weekly earnings of a worker with no dependents, increased by 64 cents over the month, to \$59.55 in September 1954. Over the past year the increase has been \$1.22. For the worker with 3 dependents, average net spendable weekly earnings at \$66.78 in September, were 66 cents higher than a month earlier and 42 cents more than in the same month last year. For both of these types of workers the September 1954 net spendable earnings was a postwar record for the month.

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

(In thousands)

Industry division and group	Current			Year ago	September 1954 net change from:	
	September 1/	August 1/	July	September	Previous month	Year ago
<b>TOTAL</b> .....	<b>48,511</b>	<b>48,031</b>	<b>47,808</b>	<b>50,200</b>	<b>+480</b>	<b>-1,689</b>
<b>MINING</b> .....	<b>726</b>	<b>736</b>	<b>735</b>	<b>839</b>	<b>- 10</b>	<b>- 113</b>
Metal mining.....	93.0	99.3	100.2	105.2	- 6.3	- 12.2
Bituminous-coal.....	204.6	205.5	202.0	276.3	- .9	- 71.7
Nonmetallic mining and quarrying.....	105.3	104.8	105.0	108.6	+ .5	- 3.3
<b>CONTRACT CONSTRUCTION</b> .....	<b>2,807</b>	<b>2,840</b>	<b>2,795</b>	<b>2,866</b>	<b>- 33</b>	<b>- 59</b>
<b>MANUFACTURING</b> .....	<b>16,007</b>	<b>15,860</b>	<b>15,627</b>	<b>17,510</b>	<b>+147</b>	<b>-1,503</b>
<b>DURABLE GOODS</b> .....	<b>8,922</b>	<b>8,879</b>	<b>8,863</b>	<b>10,145</b>	<b>+ 43</b>	<b>-1,223</b>
Ordnance and accessories.....	161.8	161.8	165.3	251.3	0	- 89.5
Lumber and wood products (except furniture).....	725.9	677.3	671.8	790.4	+ 48.6	- 64.5
Furniture and fixtures.....	348.7	341.5	326.2	370.5	+ 7.2	- 21.8
Stone, clay, and glass products.....	515.0	516.5	506.4	550.8	- 1.5	- 35.8
Primary metal industries.....	1,160.8	1,162.0	1,162.3	1,330.3	- 1.2	- 169.5
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,026.1	1,025.5	1,015.0	1,149.6	+ .6	- 123.5
Machinery (except electrical).....	1,498.6	1,497.0	1,509.9	1,669.4	+ 1.6	- 170.8
Electrical machinery.....	1,102.6	1,082.7	1,064.9	1,242.9	+ 19.9	- 140.3
Transportation equipment.....	1,603.5	1,653.6	1,694.9	1,938.0	- 50.1	- 334.5
Instruments and related products.....	304.6	300.4	300.3	334.1	+ 4.2	- 29.5
Miscellaneous manufacturing industries...	474.3	461.1	446.1	517.9	+ 13.2	- 43.6
<b>NONDURABLE GOODS</b> .....	<b>7,085</b>	<b>6,981</b>	<b>6,764</b>	<b>7,365</b>	<b>+104</b>	<b>- 280</b>
Food and kindred products.....	1,697.1	1,661.0	1,583.3	1,756.2	+ 36.1	- 59.1
Tobacco manufactures.....	121.8	110.1	91.2	120.4	+ 11.7	+ 1.4
Textile-mill products.....	1,079.6	1,079.0	1,045.9	1,184.1	+ .6	- 104.5
Apparel and other finished textile products.....	1,177.0	1,169.0	1,102.8	1,226.7	+ 8.0	- 49.7
Paper and allied products.....	532.8	527.0	520.2	539.7	+ 5.8	- 6.9
Printing, publishing, and allied industries.....	807.8	800.9	799.3	801.2	+ 6.9	+ 6.6
Chemicals and allied products.....	787.3	773.1	771.9	814.1	+ 14.2	- 26.8
Products of petroleum and coal.....	254.0	256.0	256.8	263.2	- 2.0	- 9.2
Rubber products.....	257.2	227.5	226.0	278.5	+ 29.7	- 21.3
Leather and leather products.....	370.4	377.4	366.8	380.5	- 7.0	- 10.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	<b>4,028</b>	<b>4,028</b>	<b>4,043</b>	<b>4,265</b>	<b>0</b>	<b>- 237</b>
<b>TRANSPORTATION</b> .....	<b>2,698</b>	<b>2,689</b>	<b>2,702</b>	<b>2,932</b>	<b>+ 9</b>	<b>- 234</b>
<b>COMMUNICATION</b> .....	<b>739</b>	<b>745</b>	<b>747</b>	<b>748</b>	<b>- 6</b>	<b>- 9</b>
<b>OTHER PUBLIC UTILITIES</b> .....	<b>591</b>	<b>594</b>	<b>594</b>	<b>585</b>	<b>- 3</b>	<b>+ 6</b>
<b>WHOLESALE AND RETAIL TRADE</b> .....	<b>10,483</b>	<b>10,353</b>	<b>10,377</b>	<b>10,523</b>	<b>+130</b>	<b>- 40</b>
<b>WHOLESALE TRADE</b> .....	<b>2,784</b>	<b>2,778</b>	<b>2,780</b>	<b>2,774</b>	<b>+ 6</b>	<b>+ 10</b>
<b>RETAIL TRADE</b> .....	<b>7,699</b>	<b>7,575</b>	<b>7,597</b>	<b>7,749</b>	<b>+124</b>	<b>- 50</b>
General merchandise stores.....	1,361.7	1,288.1	1,290.4	1,403.3	+ 73.6	- 41.6
Food and liquor stores.....	1,431.0	1,406.9	1,413.9	1,385.7	+ 24.1	+ 45.3
Automotive and accessories dealers.....	803.0	809.4	812.1	822.6	- 6.4	- 19.6
Apparel and accessories stores.....	580.6	548.4	557.3	594.5	+ 32.2	- 13.9
Other retail trade.....	3,522.3	3,522.3	3,523.4	3,542.8	0	- 20.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	<b>2,111</b>	<b>2,125</b>	<b>2,126</b>	<b>2,041</b>	<b>- 14</b>	<b>+ 70</b>
<b>SERVICE AND MISCELLANEOUS</b> .....	<b>5,605</b>	<b>5,635</b>	<b>5,638</b>	<b>5,566</b>	<b>- 30</b>	<b>+ 39</b>
<b>GOVERNMENT</b> .....	<b>6,744</b>	<b>6,454</b>	<b>6,467</b>	<b>6,590</b>	<b>+290</b>	<b>+ 154</b>
<b>FEDERAL</b> .....	<b>2,147</b>	<b>2,156</b>	<b>2,161</b>	<b>2,230</b>	<b>- 9</b>	<b>- 83</b>
<b>STATE AND LOCAL</b> .....	<b>4,597</b>	<b>4,298</b>	<b>4,306</b>	<b>4,360</b>	<b>+299</b>	<b>+ 237</b>

1/ Preliminary.

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

(In thousands)

Major industry group	Current			Year ago	September 1954 net change from:	
	September 1/	August 1/	July	September	Previous month	Year ago
<b>MANUFACTURING.....</b>	<b>12,593</b>	<b>12,448</b>	<b>12,212</b>	<b>14,061</b>	<b>+145</b>	<b>-1,468</b>
<b>DURABLE GOODS.....</b>	<b>6,979</b>	<b>6,936</b>	<b>6,917</b>	<b>8,161</b>	<b>+ 43</b>	<b>-1,182</b>
Ordnance and accessories.....	112.9	113.4	116.6	194.3	- .5	- 81.4
Lumber and wood products (except furniture).....	657.1	609.4	603.7	720.7	+ 47.7	- 63.6
Furniture and fixtures.....	295.0	287.7	272.2	315.3	+ 7.3	- 20.3
Stone, clay, and glass products.....	432.4	433.7	423.8	467.4	- 1.3	- 35.0
Primary metal industries.....	968.5	969.1	969.0	1,128.6	- .6	- 160.1
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	819.0	818.8	809.2	939.0	+ .2	- 120.0
Machinery (except electrical).....	1,100.7	1,097.3	1,108.4	1,262.2	+ 3.4	- 161.5
Electrical machinery.....	806.6	783.1	765.4	940.8	+ 23.5	- 134.2
Transportation equipment.....	1,183.1	1,237.0	1,276.5	1,520.4	- 53.9	- 337.3
Instruments and related products.....	215.9	210.7	210.0	242.2	+ 5.2	- 26.3
Miscellaneous manufacturing industries...	388.2	376.1	362.5	430.3	+ 12.1	- 42.1
<b>NONDURABLE GOODS.....</b>	<b>5,614</b>	<b>5,512</b>	<b>5,295</b>	<b>5,900</b>	<b>+102</b>	<b>- 286</b>
Food and kindred products.....	1,263.7	1,222.4	1,142.3	1,325.6	+ 41.3	- 61.9
Tobacco manufactures.....	113.7	101.7	82.9	112.2	+ 12.0	+ 1.5
Textile-mill products.....	987.7	986.5	953.0	1,088.2	+ 1.2	- 100.5
Apparel and other finished textile products.....	1,053.9	1,044.8	979.8	1,099.4	+ 9.1	- 45.5
Paper and allied products.....	442.3	436.0	429.9	450.0	+ 6.3	- 7.7
Printing, publishing, and allied industries.....	519.5	512.4	512.9	520.5	+ 7.1	- 1.0
Chemicals and allied products.....	528.3	515.3	512.7	554.6	+ 13.0	- 26.3
Products of petroleum and coal.....	178.7	180.4	181.2	187.9	- 1.7	- 9.2
Rubber products.....	195.2	174.4	173.1	220.6	+ 20.8	- 25.4
Leather and leather products.....	331.3	338.1	327.0	340.5	- 6.8	- 9.2

1/ Preliminary.

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

Major industry group	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1954		1953	1954		1953	1954		1953
	Sept. 1/	Aug. 1/	Sept.	Sept. 1/	Aug. 1/	Sept.	Sept. 1/	Aug. 1/	Sept.
<b>MANUFACTURING.....</b>	\$71.86	\$71.06	\$71.42	39.7	39.7	39.9	\$1.81	\$1.79	\$1.79
<b>DURABLE GOODS.....</b>	76.99	76.59	77.14	40.1	40.1	40.6	1.92	1.91	1.90
Ordnance and accessories.....	78.01	80.20	79.13	39.4	40.1	41.0	1.98	2.00	1.93
Lumber and wood products (except furniture).....	70.38	66.04	66.97	41.4	41.8	40.1	1.70	1.58	1.67
Furniture and fixtures.....	63.43	63.59	62.78	40.4	40.5	40.5	1.57	1.57	1.55
Stone, clay, and glass products.....	72.67	72.04	71.10	40.6	40.7	40.4	1.79	1.77	1.76
Primary metal industries.....	82.47	81.27	85.63	38.9	38.7	40.2	2.12	2.10	2.13
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	76.95	76.55	75.70	40.5	40.5	40.7	1.90	1.89	1.86
Machinery (except electrical).	80.60	81.20	82.57	39.9	40.2	41.7	2.02	2.02	1.98
Electrical machinery.....	72.76	72.22	72.09	40.2	39.9	40.5	1.81	1.81	1.78
Transportation equipment.....	85.60	85.20	84.23	40.0	40.0	40.3	2.14	2.13	2.09
Instruments and related products.....	73.60	72.83	74.16	40.0	39.8	41.2	1.84	1.83	1.80
Miscellaneous manufacturing industries.....	64.48	64.00	63.36	39.8	40.0	40.1	1.62	1.60	1.58
<b>NONDURABLE GOODS.....</b>	64.91	64.45	63.57	39.1	39.3	39.0	1.66	1.64	1.63
Food and kindred products.....	68.56	67.98	67.04	41.3	41.2	41.9	1.66	1.65	1.60
Tobacco manufactures.....	48.19	49.54	46.92	39.5	38.4	39.1	1.22	1.29	1.20
Textile-mill products.....	52.33	52.36	51.65	38.2	38.5	37.7	1.37	1.36	1.37
Apparel and other finished textile products.....	48.96	48.78	47.12	36.0	36.4	34.9	1.36	1.34	1.35
Paper and allied products.....	75.65	74.80	73.87	42.5	42.5	42.7	1.78	1.76	1.73
Printing, publishing, and allied industries.....	87.78	87.62	87.14	38.5	38.6	38.9	2.28	2.27	2.24
Chemicals and allied products.	79.90	78.72	77.83	41.4	41.0	41.4	1.93	1.92	1.88
Products of petroleum and coal.....	94.76	92.84	94.35	41.2	40.9	41.2	2.30	2.27	2.29
Rubber products.....	(2/)	76.05	74.88	(2/)	38.8	39.0	(2/)	1.96	1.92
Leather and leather products..	49.90	51.10	48.99	35.9	37.3	35.5	1.39	1.37	1.38

1/ Preliminary.

2/ Not available.

**Table 4. Index of employees in nonagricultural establishments,  
by industry division**

(1947-49=100)

Industry division	Current			Year ago
	September 1954 1/	August 1954 1/	July 1954	September 1953
<b>TOTAL</b> .....	111.0	109.9	109.4	114.9
Mining.....	76.6	77.6	77.5	88.5
Contract construction.....	133.3	134.9	132.8	136.2
Manufacturing.....	107.2	106.2	104.7	117.3
Transportation and public utilities.....	98.9	98.9	99.3	104.8
Wholesale and retail trade.....	111.4	110.0	110.3	111.8
Finance, insurance, and real estate...	124.5	125.3	125.4	120.3
Service and miscellaneous.....	114.1	114.7	114.8	113.3
Government.....	119.7	114.5	114.7	116.9

1/ Preliminary.

**Table 5. Index of production workers in manufacturing,  
by major industry group**

(1947-49=100)

Major industry group	Current			Year ago
	September 1954 1/	August 1954 1/	July 1954	September 1953
<b>MANUFACTURING</b> .....	101.8	100.6	98.7	113.7
<b>DURABLE GOODS</b> .....	104.6	103.9	103.6	122.3
Ordnance and accessories.....	498.5	498.5	516.2	855.9
Lumber and wood products (except furniture).....	89.0	82.5	81.8	97.7
Furniture and fixtures.....	99.9	97.5	92.1	106.7
Stone, clay, and glass products.....	99.3	99.8	97.5	107.4
Primary metal industries.....	94.1	94.1	94.1	109.7
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	105.1	105.1	103.9	120.5
Machinery (except electrical).....	96.8	96.5	97.4	111.0
Electrical machinery.....	126.0	122.3	119.5	147.0
Transportation equipment.....	115.7	121.0	124.9	148.6
Instruments and related products.....	111.3	108.8	108.2	124.7
Miscellaneous manufacturing industries .	102.1	98.9	95.5	113.2
<b>NONDURABLE GOODS</b> .....	98.6	96.8	93.0	103.6
Food and kindred products.....	106.8	103.2	96.5	112.0
Tobacco manufactures.....	107.9	96.5	78.5	106.0
Textile-mill products.....	80.9	80.8	78.0	89.0
Apparel and other finished textile products.....	101.2	100.4	94.1	105.5
Paper and allied products.....	110.3	108.8	107.3	112.3
Printing, publishing, and allied industries.....	108.2	106.5	106.7	108.4
Chemicals and allied products.....	103.5	100.9	100.5	108.8
Products of petroleum and coal.....	96.2	96.8	97.3	101.1
Rubber products.....	95.7	85.4	84.9	108.5
Leather and leather products.....	91.5	93.5	90.4	94.3

1/ Preliminary.



## Seasonally Adjusted Data

**Table 6. Employees in nonagricultural establishments,  
by industry division, seasonally adjusted**

Industry division	Index (1947-49=100)				Number (In thousands)			
	September 1954 <u>1/</u>	August 1954 <u>1/</u>	July 1954	September 1953	September 1954 <u>1/</u>	August 1954 <u>1/</u>	July 1954	September 1953
	<b>TOTAL</b> .....	109.9	109.7	109.8	113.7	48,031	47,939	47,982
Mining.....	76.2	76.9	78.3	88.1	722	729	742	835
Contract construction.....	124.6	124.9	125.3	127.3	2,623	2,630	2,637	2,679
Manufacturing.....	105.6	105.4	105.7	115.6	15,769	15,736	15,775	17,263
Transportation and public utilities..	98.6	98.2	98.6	104.3	4,012	3,999	4,014	4,247
Wholesale and retail trade.....	111.4	111.7	111.7	111.8	10,483	10,508	10,507	10,523
Finance, insurance, and real estate..	124.5	123.5	123.5	120.3	2,111	2,094	2,095	2,041
Service and miscellaneous.....	112.4	113.1	113.1	111.7	5,522	5,552	5,555	5,484
Government.....	120.5	118.7	118.1	117.7	6,789	6,691	6,657	6,635

1/ Preliminary.

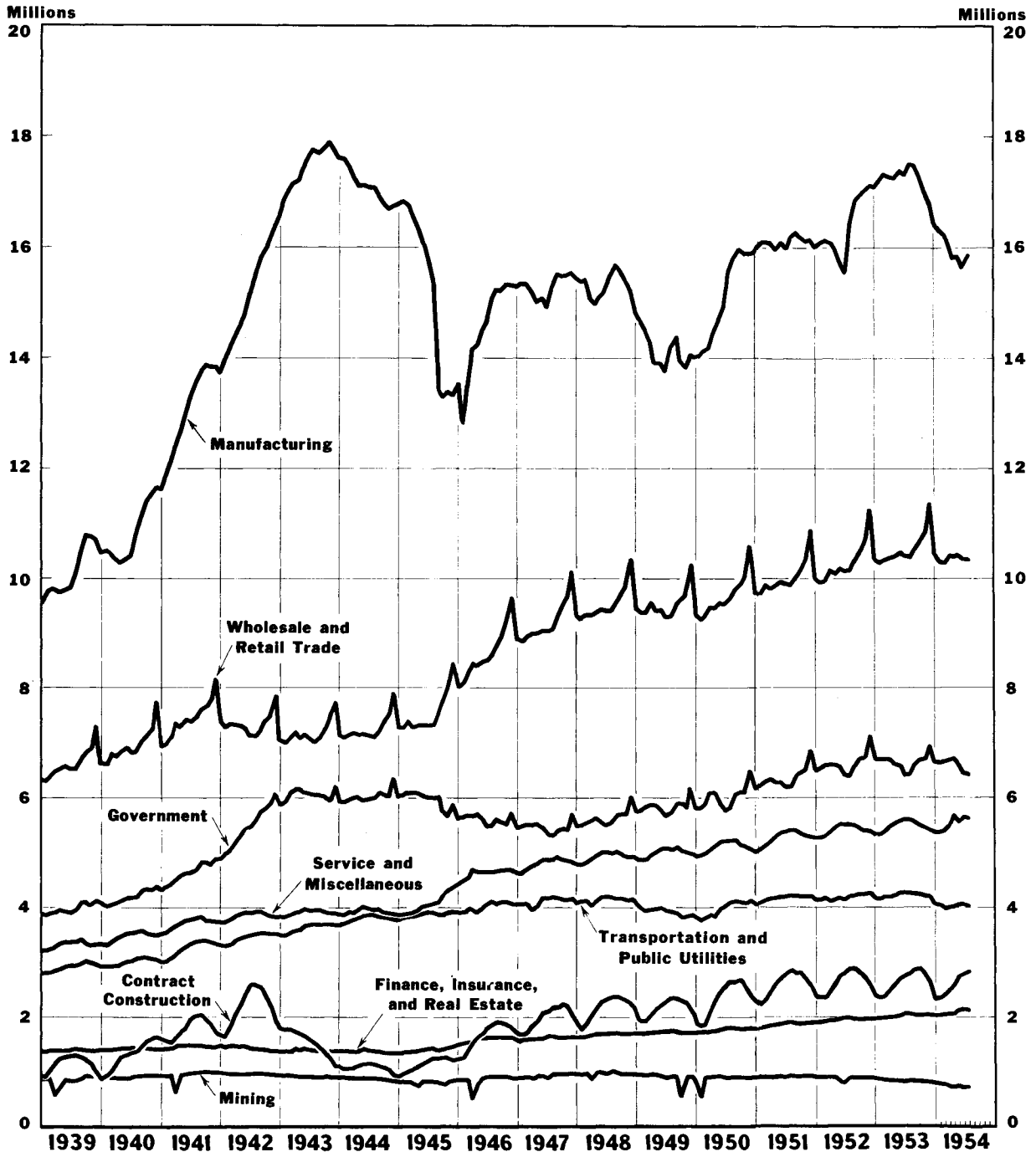
**Table 7. Production workers in manufacturing,  
by major industry group, seasonally adjusted**

Major industry group	Index (1947-49=100)				Number (In thousands)			
	September 1954 <u>1/</u>	August 1954 <u>1/</u>	July 1954	September 1953	September 1954 <u>1/</u>	August 1954 <u>1/</u>	July 1954	September 1953
	<b>MANUFACTURING</b> .....	99.9	99.7	100.0	111.7	12,361	12,335	12,371
<b>DURABLE GOODS</b> .....	104.5	104.5	105.2	122.2	6,974	6,974	7,020	8,154
Ordnance and accessories.....	498.5	498.5	516.2	855.9	113	113	117	194
Lumber and wood products (except furniture).....	86.0	79.4	80.2	94.4	635	586	592	697
Furniture and fixtures.....	90.5	88.9	95.8	106.0	294	292	283	313
Stone, clay, and glass products.....	98.9	99.3	98.9	106.9	430	432	430	465
Primary metal industries.....	94.1	94.6	95.1	109.7	969	974	979	1,129
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	105.1	106.2	107.1	120.5	819	827	834	939
Machinery (except electrical).....	99.3	98.9	98.4	113.8	1,129	1,125	1,119	1,294
Electrical machinery.....	126.0	124.8	123.8	147.0	807	799	793	941
Transportation equipment.....	115.7	121.0	124.9	148.6	1,183	1,237	1,277	1,520
Instruments and related products.....	111.3	109.8	110.3	124.7	216	213	214	242
Miscellaneous manufacturing industries.....	99.7	98.9	100.5	110.5	379	376	382	420
<b>NONDURABLE GOODS</b> .....	94.6	94.1	94.0	99.5	5,387	5,361	5,351	5,667
Food and kindred products.....	91.0	91.3	91.6	95.7	1,077	1,081	1,084	1,133
Tobacco manufactures.....	89.9	88.0	89.9	88.0	95	93	95	93
Textile-mill products.....	81.7	82.0	80.0	89.9	998	1,002	977	1,099
Apparel and other finished textile products.....	98.7	98.4	98.5	102.9	1,028	1,025	1,026	1,072
Paper and allied products.....	110.8	109.3	109.6	112.8	444	438	439	452
Printing, publishing, and allied industries.....	108.2	107.6	107.8	108.4	520	517	518	521
Chemicals and allied products.....	102.9	102.5	102.5	108.2	525	523	523	552
Products of petroleum and coal.....	94.6	94.6	96.2	99.5	176	176	179	185
Rubber products.....	95.7	86.4	87.4	108.5	195	176	178	221
Leather and leather products.....	91.0	91.2	91.8	93.7	329	330	332	339

1/ Preliminary.

# EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS

## BY MAJOR INDUSTRY DIVISION, 1939-1954



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS

LATEST DATA PLOTTED FOR AUGUST 1954  
(Preliminary)

**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
<b>Annual average:</b>									
1919	26,829	1,124	1,031	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	30,287	845	1,150	10,078	2,912	6,612	1,382	3,321	3,987
1940	32,031	916	1,294	10,780	3,013	6,940	1,419	3,477	4,192
1941	36,164	947	1,790	12,974	3,248	7,416	1,462	3,705	4,622
1942	39,697	983	2,170	15,051	3,433	7,333	1,440	3,857	5,431
1943	42,042	917	1,567	17,381	3,619	7,189	1,401	3,919	6,049
1944	41,480	883	1,094	17,111	3,798	7,260	1,374	3,934	6,026
1945	40,069	826	1,132	15,302	3,872	7,522	1,394	4,055	5,967
1946	41,412	852	1,661	14,461	4,023	8,602	1,586	4,621	5,607
1947	43,438	943	1,827	15,290	4,122	9,196	1,641	4,802	5,456
1948	44,382	982	2,169	15,321	4,141	9,519	1,711	4,925	5,614
1949	43,295	918	2,165	14,178	3,949	9,513	1,736	5,000	5,837
1950	44,696	889	2,333	14,967	3,977	9,645	1,796	5,098	5,992
1951	47,289	916	2,603	16,104	4,166	10,012	1,862	5,278	6,348
1952	48,306	885	2,634	16,334	4,185	10,281	1,957	5,423	6,609
1953	49,660	844	2,644	17,259	4,224	10,533	2,025	5,486	6,645
<b>Monthly data:</b>									
1953: July	49,716	836	2,768	17,336	4,283	10,414	2,067	5,607	6,405
August	49,962	844	2,825	17,537	4,274	10,392	2,067	5,601	6,422
September	50,200	839	2,866	17,510	4,265	10,523	2,041	5,566	6,590
October	50,180	826	2,889	17,301	4,257	10,669	2,040	5,506	6,692
November	49,851	829	2,789	16,988	4,216	10,828	2,034	5,467	6,700
December	50,197	822	2,632	16,765	4,187	11,361	2,040	5,435	6,955
1954: January	48,147	805	2,349	16,434	4,069	10,421	2,033	5,377	6,659
February	47,880	790	2,356	16,322	4,039	10,310	2,044	5,380	6,639
March	47,848	772	2,415	16,234	3,992	10,305	2,057	5,406	6,667
April	48,068	749	2,535	16,000	4,008	10,496	2,075	5,506	6,699
May	47,935	737	2,634	15,836	4,008	10,375	2,081	5,563	6,701
June	48,137	744	2,729	15,888	4,032	10,414	2,104	5,601	6,625
July	47,808	735	2,795	15,627	4,043	10,377	2,126	5,638	6,467
August	48,031	736	2,840	15,860	4,028	10,353	2,125	5,635	6,454

**Table A-2: Employees in nonagricultural establishments,  
by industry division and group**

(In thousands)

Industry division and group	1954			1953	
	August	July	June	August	July
<b>TOTAL</b> .....	48,031	47,808	48,137	49,962	49,716
<b>MINING</b> .....	736	735	744	844	836
Metal mining.....	99.3	100.2	99.6	105.2	105.9
Anthracite.....	25.4	25.2	26.5	50.2	48.6
Bituminous-coal.....	205.5	202.0	214.2	276.4	275.4
Crude-petroleum and natural-gas production....	301.1	302.5	299.9	303.1	298.4
Nonmetallic mining and quarrying.....	104.8	105.0	104.1	108.7	107.2
<b>CONTRACT CONSTRUCTION</b> .....	2,840	2,795	2,729	2,825	2,768
<b>NONBUILDING CONSTRUCTION</b> .....	614	599	582	600	570
Highway and street.....	287.2	281.4	270.7	274.4	258.0
Other nonbuilding construction.....	326.4	317.5	311.7	325.6	311.7
<b>BUILDING CONSTRUCTION</b> .....	2,226	2,196	2,147	2,225	2,198
General contractors.....	948.7	944.0	918.4	1,018.3	997.7
Special-trade contractors.....	1,277.6	1,251.9	1,228.4	1,206.7	1,200.0
Plumbing and heating.....	312.8	304.6	297.4	298.5	291.8
Painting and decorating.....	161.1	155.2	150.7	165.7	161.0
Electrical work.....	170.5	171.4	168.2	165.9	162.7
Other special-trade contractors.....	633.2	620.7	612.1	576.6	584.5
<b>MANUFACTURING</b> .....	15,860	15,627	15,888	17,537	17,336
<b>DURABLE GOODS</b> .....	8,879	8,863	9,123	10,192	10,190
Ordnance and accessories.....	161.8	165.3	170.0	252.1	258.3
Lumber and wood products (except furniture)....	677.3	671.8	769.4	802.5	796.3
Furniture and fixtures.....	341.5	326.2	329.0	370.3	369.7
Stone, clay, and glass products.....	516.5	506.4	510.0	549.6	541.9
Primary metal industries.....	1,162.0	1,162.3	1,179.5	1,342.4	1,348.5
Fabricated metal products (except ordnance, machinery, and transportation equipment)....	1,025.5	1,015.0	1,037.6	1,154.0	1,145.7
Machinery (except electrical).....	1,497.0	1,509.9	1,550.7	1,676.4	1,705.4
Electrical machinery.....	1,082.7	1,064.9	1,074.8	1,233.9	1,216.9
Transportation equipment.....	1,653.6	1,694.9	1,737.9	1,969.0	1,981.3
Instruments and related products.....	300.4	300.3	305.4	332.8	334.4
Miscellaneous manufacturing industries.....	461.1	446.1	458.9	508.6	491.7
<b>NONDURABLE GOODS</b> .....	6,981	6,764	6,765	7,345	7,146
Food and kindred products.....	1,661.0	1,583.3	1,511.3	1,721.4	1,634.9
Tobacco manufactures.....	110.1	91.2	90.4	113.3	91.6
Textile-mill products.....	1,079.0	1,045.9	1,073.8	1,189.6	1,181.5
Apparel and other finished textile products....	1,169.0	1,102.8	1,110.4	1,249.7	1,192.5
Paper and allied products.....	527.0	520.2	525.8	537.6	529.5
Printing, publishing, and allied industries....	800.9	799.3	804.5	789.6	786.2
Chemicals and allied products.....	773.1	771.9	775.2	809.4	804.3
Products of petroleum and coal.....	256.0	256.8	255.4	265.6	265.4
Rubber products.....	227.5	226.0	255.2	278.9	277.3
Leather and leather products.....	377.4	366.8	363.2	389.9	382.6

**Table A-2: Employees in nonagricultural establishments,  
by industry division and group - Continued**

(In thousands)

Industry division and group	1954			1953	
	August	July	June	August	July
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,028	4,043	4,032	4,274	4,283
<b>TRANSPORTATION.....</b>	2,689	2,702	2,703	2,929	2,934
Interstate railroads.....	1,223.8	1,231.8	1,228.9	1,407.2	1,409.5
Class I railroads.....	1,070.5	1,077.9	1,074.7	1,236.7	1,238.8
Local railways and bus lines.....	120.9	122.0	122.5	126.8	128.2
Trucking and warehousing.....	686.8	684.5	684.2	724.4	721.3
Other transportation and services.....	657.8	663.7	667.3	670.8	674.9
Bus lines, except local.....	48.2	48.6	48.2	53.2	53.5
Air transportation (common carrier).....	103.4	106.4	105.7	106.1	105.9
<b>COMMUNICATION.....</b>	745	747	741	754	760
Telephone.....	702.9	705.1	698.8	709.9	715.5
Telegraph.....	40.9	41.2	41.2	43.0	43.9
<b>OTHER PUBLIC UTILITIES.....</b>	594	594	588	591	589
Gas and electric utilities.....	569.0	568.7	563.3	566.1	564.1
Local utilities, not elsewhere classified.....	25.4	25.5	24.8	24.8	24.7
<b>WHOLESALE AND RETAIL TRADE.....</b>	10,353	10,377	10,414	10,392	10,414
<b>WHOLESALE TRADE.....</b>	2,778	2,780	2,757	2,770	2,773
<b>RETAIL TRADE.....</b>	7,575	7,597	7,657	7,622	7,641
General merchandise stores.....	1,288.1	1,290.4	1,325.1	1,339.6	1,333.9
Food and liquor stores.....	1,406.9	1,413.9	1,421.6	1,375.5	1,385.6
Automotive and accessories dealers.....	809.4	812.1	811.7	825.2	820.1
Apparel and accessories stores.....	548.4	557.3	595.6	549.8	560.0
Other retail trade.....	3,522.3	3,523.4	3,502.7	3,531.7	3,541.6
<b>FINANCE, INSURANCE, AND REAL ESTATE.....</b>	2,125	2,126	2,104	2,067	2,067
Banks and trust companies.....	533.7	534.6	525.6	518.9	519.3
Security dealers and exchanges.....	69.2	68.3	66.8	66.2	66.8
Insurance carriers and agents.....	787.4	785.3	775.7	753.8	751.0
Other finance agencies and real estate.....	734.9	737.7	736.1	727.6	729.6
<b>SERVICE AND MISCELLANEOUS.....</b>	5,635	5,638	5,601	5,601	5,607
Hotels and lodging places.....	584.9	584.1	527.1	596.0	596.2
Personal services:					
Laundries.....	332.4	337.9	337.3	342.8	347.3
Cleaning and dyeing plants.....	161.5	157.4	172.3	163.4	167.8
Motion pictures.....	237.1	236.2	236.0	238.0	237.3
<b>GOVERNMENT.....</b>	6,454	6,467	6,625	6,422	6,405
<b>FEDERAL.....</b>	2,156	2,161	2,164	2,258	2,281
<b>STATE AND LOCAL.....</b>	4,298	4,306	4,461	4,164	4,124

**Table A-3: All employees and production workers in mining and manufacturing industries**

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1954	July 1954	June 1954	Aug. 1953	Aug. 1954	July 1954	June 1954	Aug. 1953
<b>MINING. ....</b>	736	735	744	844	-	-	-	-
<b>METAL MINING.....</b>	99.3	100.2	99.6	105.2	85.3	86.2	85.3	90.7
Iron mining.....	34.2	35.0	34.7	40.8	29.5	30.4	30.1	36.0
Copper mining.....	28.3	28.3	28.4	28.5	24.4	24.3	24.3	24.4
Lead and zinc mining.....	15.2	15.3	15.2	16.3	12.9	13.0	12.8	13.7
<b>ANTHRACITE.....</b>	25.4	25.2	26.5	50.2	21.6	21.3	21.9	46.5
<b>BITUMINOUS-COAL.....</b>	205.5	202.0	214.2	276.4	187.0	182.2	195.1	255.4
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION.....</b>	301.1	302.5	299.9	303.1	-	-	-	-
Petroleum and natural-gas production (except contract services).....	-	-	-	-	135.7	136.5	134.2	136.9
<b>NONMETALLIC MINING AND QUARRYING..</b>	104.8	105.0	104.1	108.7	90.1	90.2	89.0	94.1
<b>MANUFACTURING.....</b>	15,860	15,627	15,888	17,537	12,448	12,212	12,480	14,070
Durable Goods.....	8,879	8,863	9,123	10,192	6,936	6,917	7,177	8,195
Nondurable Goods.....	6,981	6,764	6,765	7,345	5,512	5,295	5,303	5,875
<b>ORDNANCE AND ACCESSORIES .....</b>	161.8	165.3	170.0	252.1	113.4	116.6	120.3	194.4
<b>FOOD AND KINDRED PRODUCTS.....</b>	1,661.0	1,583.3	1,511.3	1,721.4	1,222.4	1,142.3	1,078.7	1,289.4
Meat products.....	321.0	316.6	317.4	319.9	250.6	245.9	246.9	252.6
Dairy products.....	127.8	130.6	130.0	127.5	85.8	88.2	88.2	88.7
Canning and preserving.....	336.0	255.2	193.7	375.7	305.6	225.3	165.4	342.7
Grain-mill products.....	123.7	124.2	123.1	121.6	91.0	91.7	91.3	89.1
Bakery products.....	285.6	287.3	282.4	288.4	173.4	175.5	173.5	181.4
Sugar.....	31.5	29.7	29.1	30.1	26.1	24.3	23.8	24.8
Confectionery and related products.....	79.7	72.6	75.2	83.2	65.2	58.1	61.2	68.9
Beverages.....	218.3	226.1	219.1	230.2	126.5	132.5	127.3	137.6
Miscellaneous food products.....	137.4	141.0	141.3	144.8	98.2	100.8	101.1	103.6
<b>TOBACCO MANUFACTURES.....</b>	110.1	91.2	90.4	113.3	101.7	82.9	82.4	105.2
Cigarettes.....	31.9	31.7	31.6	31.4	29.2	28.8	28.7	28.5
Cigars.....	39.7	38.0	39.9	40.0	37.7	36.1	37.9	38.0
Tobacco and snuff.....	7.7	7.7	7.8	7.7	6.7	6.6	6.7	6.6
Tobacco stemming and redrying....	30.8	13.8	11.1	34.2	28.1	11.4	9.1	32.1
<b>TEXTILE-MILL PRODUCTS.....</b>	1,079.0	1,045.9	1,073.8	1,189.6	986.5	953.0	980.9	1,092.8
Scouring and combing plants.....	6.3	6.2	5.4	7.1	5.8	5.7	5.0	6.5
Yarn and thread mills.....	123.5	120.1	124.0	147.0	114.6	111.0	114.7	136.9
Broad-woven fabric mills.....	483.1	471.0	485.5	533.5	454.5	442.1	456.8	503.4
Narrow fabrics and smallwares....	29.0	28.4	29.1	31.4	25.4	24.8	25.5	27.8
Knitting mills.....	223.5	212.8	217.8	238.9	202.6	192.0	197.0	217.4
Dyeing and finishing textiles....	86.6	85.2	85.7	92.5	75.9	74.8	75.2	81.6
Carpets, rugs, other floor coverings.....	50.9	49.3	50.1	55.8	42.3	40.6	41.1	46.7
Hats (except cloth and millinery).....	14.5	14.3	14.4	16.3	12.9	12.6	13.0	14.7
Miscellaneous textile goods.....	61.6	58.6	61.8	67.1	52.5	49.4	52.6	57.8

**Table A-3: All employees and production workers in mining and manufacturing industries - Continued**

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1954	July 1954	June 1954	Aug. 1953	Aug. 1954	July 1954	June 1954	Aug. 1953
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	1,169.0	1,102.8	1,110.4	1,249.7	1,044.8	979.8	987.0	1,120.7
Men's and boys' suits and coats..	126.5	119.0	121.5	138.2	113.6	106.6	108.2	124.9
Men's and boys' furnishings and work clothing.....	289.4	269.2	283.9	316.3	267.5	247.6	262.4	293.8
Women's outerwear.....	352.6	334.3	321.5	371.0	313.6	295.9	283.6	330.2
Women's, children's under garments.....	108.8	102.0	107.5	113.1	96.2	89.5	95.1	100.4
Millinery.....	20.6	16.4	12.9	22.2	18.4	14.2	10.9	19.9
Children's outerwear.....	75.8	75.7	75.8	74.2	69.0	68.8	69.0	67.2
Fur goods.....	12.5	12.3	12.9	12.8	9.7	9.2	9.9	10.1
Miscellaneous apparel and accessories.....	60.9	56.4	57.4	65.4	54.6	50.2	50.9	58.1
Other fabricated textile products.....	121.9	117.5	117.0	136.5	102.2	97.8	97.0	116.1
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	677.3	671.8	769.4	802.5	609.4	603.7	700.7	731.1
Logging camps and contractors....	93.7	92.2	125.6	115.5	86.1	84.6	117.8	108.0
Sawmills and planing mills.....	358.0	352.8	401.2	430.4	329.1	323.8	372.0	398.6
Millwork, plywood, and prefabricated structural wood products..	117.9	117.3	128.0	131.2	97.3	96.4	107.4	110.7
Wooden containers.....	56.4	57.4	61.2	65.8	51.9	52.9	56.4	61.0
Miscellaneous wood products.....	51.3	52.1	53.4	59.6	45.0	46.0	47.1	52.8
<b>FURNITURE AND FIXTURES.....</b>	341.5	326.2	329.0	370.3	287.7	272.2	274.5	315.1
Household furniture.....	240.6	228.7	228.3	261.6	209.0	196.9	196.0	228.2
Office, public-building, and professional furniture.....	41.8	39.9	40.3	43.2	33.5	31.9	32.1	35.5
Partitions, shelving, lockers, and fixtures.....	32.9	31.2	33.3	36.0	25.0	23.1	25.2	27.9
Screens, blinds, and miscellaneous furniture and fixtures.....	26.2	26.4	27.1	29.5	20.2	20.3	21.2	23.5
<b>PAPER AND ALLIED PRODUCTS.....</b>	527.0	520.2	525.8	537.6	436.0	429.9	435.6	447.0
Pulp, paper, and paperboard mills.....	258.8	256.6	259.2	260.0	218.9	217.1	219.5	220.7
Paperboard containers and boxes..	144.6	140.3	142.5	151.4	119.0	114.9	117.2	124.3
Other paper and allied products..	123.6	123.3	124.1	126.2	98.1	97.9	98.9	102.0
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	800.9	799.3	804.5	789.6	512.4	512.9	518.5	509.6
Newspapers.....	294.4	293.3	295.2	288.6	144.9	145.2	147.9	144.3
Periodicals.....	60.7	60.9	61.4	60.6	24.9	24.8	25.5	25.8
Books... ..	51.6	50.9	50.7	50.9	31.2	30.7	30.6	29.7
Commercial printing.....	204.7	205.7	207.0	202.5	166.2	167.3	167.9	164.4
Lithographing.....	58.8	58.3	59.0	57.5	45.3	44.6	45.5	44.4
Greeting cards.....	20.7	20.3	20.3	20.6	15.2	15.2	15.0	16.0
Bookbinding and related industries.....	43.8	44.0	44.0	45.1	34.5	34.9	34.7	35.6
Miscellaneous publishing and printing services.....	66.2	65.9	66.9	63.8	50.2	50.2	51.4	49.4

**Table A-3: All employees and production workers in mining and manufacturing industries - Continued**

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1954	July 1954	June 1954	Aug. 1953	Aug. 1954	July 1954	June 1954	Aug. 1953
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	773.1	771.9	775.2	809.4	515.3	512.7	517.2	549.8
Industrial inorganic chemicals....	95.7	95.2	94.6	94.2	67.3	67.2	67.4	66.9
Industrial organic chemicals.....	295.2	297.1	297.7	327.8	201.0	201.2	201.3	228.9
Drugs and medicines.....	91.9	91.4	90.9	90.3	56.5	56.0	56.0	55.4
Soap, cleaning and polishing preparations.....	51.8	51.3	51.6	51.2	31.5	31.1	31.6	31.6
Paints, pigments, and fillers.....	72.8	72.6	72.8	75.9	45.9	45.6	45.7	48.0
Gum and wood chemicals.....	7.8	8.1	8.0	8.0	6.6	6.9	6.8	6.8
Fertilizers.....	31.7	30.4	33.0	33.0	23.2	21.9	24.5	24.8
Vegetable and animal oils and fats.....	37.0	36.7	37.1	38.6	25.8	25.3	26.0	27.5
Miscellaneous chemicals.....	89.2	89.1	89.5	90.4	57.5	57.5	57.9	59.9
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	256.0	256.8	255.4	265.6	180.4	181.2	181.1	190.5
Petroleum refining.....	206.3	206.8	205.2	209.9	140.3	140.6	140.3	144.8
Coke and other petroleum and coal products.....	49.7	50.0	50.2	55.7	40.1	40.6	40.8	45.7
<b>RUBBER PRODUCTS.....</b>	227.5	226.0	255.2	278.9	174.4	173.1	198.4	220.7
Tires and inner tubes.....	92.2	91.5	112.8	120.4	68.1	67.3	85.0	93.3
Rubber footwear.....	23.0	25.3	25.0	29.3	17.5	20.1	19.8	23.6
Other rubber products.....	112.3	109.2	117.4	129.2	88.8	85.7	93.6	103.8
<b>LEATHER AND LEATHER PRODUCTS.....</b>	377.4	366.8	363.2	389.9	338.1	327.0	323.6	349.4
Leather: tanned, curried, and finished.....	42.9	43.3	43.6	47.5	38.5	38.9	39.1	42.7
Industrial leather belting and packing.....	4.5	4.4	4.7	5.3	3.4	3.4	3.6	4.3
Boot and shoe cut stock and findings.....	15.7	15.9	16.0	16.8	13.9	14.1	14.2	14.9
Footwear (except rubber).....	248.8	242.9	241.3	252.0	224.7	218.1	216.7	227.0
Luggage.....	15.0	14.7	14.6	17.0	12.9	12.5	12.4	14.8
Handbags and small leather goods.....	33.2	29.0	26.6	32.1	29.7	25.7	23.3	28.7
Gloves and miscellaneous leather goods.....	17.3	16.6	16.4	19.2	15.0	14.3	14.3	17.0
<b>STONE, CLAY, AND GLASS PRODUCTS....</b>	516.5	506.4	510.0	549.6	433.7	423.8	427.2	465.6
Flat glass.....	27.9	28.2	28.1	31.6	24.7	25.0	24.9	28.1
Glass and glassware, pressed or blown.....	90.6	86.6	90.6	97.6	77.3	73.6	77.6	84.6
Glass products made of purchased glass.....	16.0	15.0	15.3	18.2	13.7	12.9	13.2	15.8
Cement, hydraulic.....	42.8	42.7	39.4	42.7	36.0	35.9	32.7	35.9
Structural clay products.....	79.2	79.1	79.2	81.2	70.3	70.3	70.5	72.9
Pottery and related products.....	52.3	48.4	51.6	55.1	46.3	42.7	45.6	48.7
Concrete, gypsum, and plaster products.....	105.0	104.9	103.2	109.1	86.2	86.0	84.2	90.2
Cut-stone and stone products.....	18.3	17.7	18.5	18.7	16.2	15.5	16.2	16.5
Miscellaneous nonmetallic mineral products.....	84.4	83.8	84.1	95.4	63.0	61.9	62.3	72.9



**Table A-3: All employees and production workers in mining and manufacturing industries - Continued**

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1954	July 1954	June 1954	Aug. 1953	Aug. 1954	July 1954	June 1954	Aug. 1953
<b>PRIMARY METAL INDUSTRIES.....</b>	1,162.0	1,162.3	1,179.5	1,342.4	969.1	969.0	983.0	1,138.4
Blast furnaces, steel works, and rolling mills.....	572.4	573.2	579.0	666.8	484.8	485.4	488.1	572.4
Iron and steel foundries.....	215.7	214.7	219.6	245.0	187.2	186.4	191.0	214.8
Primary smelting and refining of nonferrous metals.....	58.3	58.8	58.3	60.6	47.5	48.0	47.6	50.4
Secondary smelting and refining of nonferrous metals.....	12.2	12.3	12.4	13.4	9.0	9.1	9.2	10.0
Rolling, drawing, and alloying of nonferrous metals.....	102.1	100.8	102.4	114.4	81.1	79.6	81.0	92.4
Nonferrous foundries.....	68.8	70.7	72.8	90.4	54.5	56.1	58.2	75.2
Miscellaneous primary metal industries.....	132.5	131.8	135.0	151.8	105.0	104.4	107.9	123.2
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	1,025.5	1,015.0	1,037.6	1,154.0	818.8	809.2	831.1	942.1
Tin cans and other tinware.....	59.4	57.6	56.9	62.6	52.5	50.7	50.2	55.5
Cutlery, hand tools, and hardware.....	141.5	138.5	144.6	161.3	114.2	111.4	117.3	133.2
Heating apparatus (except electric) and plumbers' supplies.....	122.4	116.4	118.0	135.4	96.2	90.1	92.0	108.1
Fabricated structural metal products.....	270.0	270.9	269.7	276.7	204.8	206.8	205.7	213.2
Metal stamping, coating, and engraving.....	213.6	213.9	223.9	258.4	176.0	175.9	185.2	217.0
Lighting fixtures.....	41.5	41.5	43.2	50.8	32.5	32.6	34.2	41.9
Fabricated wire products.....	51.3	51.6	53.2	63.8	41.9	42.0	43.5	53.5
Miscellaneous fabricated metal products.....	125.8	124.6	128.1	145.0	100.7	99.7	103.0	119.7
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	1,497.0	1,509.9	1,550.7	1,676.4	1,097.3	1,108.4	1,150.6	1,267.5
Engines and turbines.....	72.8	74.3	75.4	85.9	51.2	52.3	53.3	61.7
Agricultural machinery and tractors.....	138.7	145.2	149.9	164.8	98.8	105.0	110.2	122.7
Construction and mining machinery.....	122.7	122.5	123.6	133.7	88.6	88.5	89.8	99.1
Metalworking machinery.....	269.0	273.8	280.4	307.4	205.9	209.7	216.1	241.9
Special-industry machinery (except metalworking machinery).....	169.9	171.0	174.1	185.6	120.6	121.0	124.6	135.2
General industrial machinery.....	222.2	222.4	226.5	243.8	148.5	149.3	154.1	170.7
Office and store machines and devices.....	102.6	102.7	103.5	107.6	80.8	80.8	81.7	86.8
Service-industry and household machines.....	152.5	153.4	166.0	185.1	112.2	112.9	124.6	141.3
Miscellaneous machinery parts.....	246.6	244.6	251.3	262.5	190.7	188.9	196.2	208.1
<b>ELECTRICAL MACHINERY.....</b>	1,082.7	1,064.9	1,074.8	1,233.9	783.1	765.4	775.8	932.2
Electrical generating, transmission, distribution, and industrial apparatus.....	355.8	357.2	363.7	403.8	244.6	245.1	253.0	290.0
Electrical appliances.....	60.8	60.1	60.8	70.9	48.6	47.5	48.3	59.0
Insulated wire and cable.....	28.2	27.5	28.4	33.4	22.3	21.9	22.7	27.8
Electrical equipment for vehicles.....	65.8	67.7	70.9	81.0	51.7	53.3	56.6	66.0
Electric lamps.....	26.9	27.0	27.6	28.7	23.3	23.4	23.9	25.2
Communication equipment.....	498.7	480.1	477.9	565.1	357.8	340.4	337.5	424.8
Miscellaneous electrical products.....	46.5	45.3	45.5	51.0	34.8	33.8	33.8	39.4

**Table A-3: All employees and production workers in mining and manufacturing industries - Continued**

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1954	July 1954	June 1954	Aug. 1953	Aug. 1954	July 1954	June 1954	Aug. 1953
<b>TRANSPORTATION EQUIPMENT.....</b>	1,653.6	1,694.9	1,737.9	1,969.0	1,237.0	1,276.5	1,324.1	1,546.9
Automobiles.....	680.0	706.7	739.5	922.9	534.6	560.5	593.5	757.7
Aircraft and parts.....	792.7	803.8	804.0	803.5	554.3	564.9	570.0	584.3
Aircraft.....	499.7	498.8	493.8	485.3	351.3	349.2	348.6	351.3
Aircraft engines and parts.....	152.8	162.8	166.3	180.2	99.3	109.4	113.4	128.1
Aircraft propellers and parts...	17.3	17.4	17.5	17.8	12.3	12.5	12.6	12.9
Other aircraft parts and equipment.....	122.9	124.8	126.4	120.2	91.4	93.8	95.4	92.0
Ship and boat building and repairing.....	118.3	125.1	127.5	150.3	102.2	108.8	111.1	131.9
Ship building and repairing.....	99.5	104.4	105.6	128.1	86.2	90.7	91.8	112.3
Boat building and repairing.....	18.8	20.7	21.9	22.2	16.0	18.1	19.3	19.6
Railroad equipment.....	52.4	49.5	57.4	80.3	37.4	34.2	41.7	62.8
Other transportation equipment...	10.2	9.8	9.5	12.0	8.5	8.1	7.8	10.2
<b>INSTRUMENTS AND RELATED PRODUCTS..</b>	300.4	300.3	305.4	332.8	210.7	210.0	214.8	239.8
Laboratory, scientific, and engineering instruments.....	46.8	48.5	49.3	53.2	27.6	28.4	29.1	32.0
Mechanical measuring and controlling instruments.....	76.1	76.3	74.7	81.2	53.0	53.4	51.6	57.5
Optical instruments and lenses...	13.4	13.4	13.7	14.9	10.6	10.6	10.8	11.8
Surgical, medical, and dental instruments.....	39.5	39.6	39.8	43.7	27.5	27.4	27.7	31.2
Ophthalmic goods.....	24.3	24.2	25.5	26.9	19.1	18.9	20.2	21.6
Photographic apparatus.....	67.7	67.4	67.0	69.9	45.7	45.7	45.9	48.6
Watches and clocks.....	32.6	30.9	35.4	43.0	27.2	25.6	29.5	37.1
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>	461.1	446.1	458.9	508.6	376.1	362.5	375.0	421.9
Jewelry, silverware, and plated ware.....	52.2	50.3	51.5	53.5	42.3	40.4	41.6	43.4
Musical instruments and parts....	15.7	15.2	15.2	17.1	13.3	12.8	12.9	14.9
Toys and sporting goods.....	83.6	80.6	81.9	101.0	70.0	67.2	68.6	87.7
Pens, pencils, and other office supplies.....	29.2	28.5	29.2	29.5	21.9	21.3	22.0	22.2
Costume jewelry, buttons, notions	63.7	59.9	62.0	69.3	53.1	49.6	51.7	58.4
Fabricated plastic products.....	68.5	66.5	69.8	78.9	55.6	53.9	56.9	65.7
Other manufacturing industries...	148.2	145.1	149.3	159.3	119.9	117.3	121.3	129.6

**Table A-4: Production workers and indexes of production-worker employment and weekly payroll in manufacturing industries**

Period	Production-worker employment		Production-worker payroll index (1947-49 average = 100)
	Number (in thousands)	Index (1947-49 average = 100)	
<u>Annual average:</u>			
1939.....	8,192	66.2	29.9
1940.....	8,811	71.2	34.0
1941.....	10,877	87.9	49.3
1942.....	12,854	103.9	72.2
1943.....	15,014	121.4	99.0
1944.....	14,607	118.1	102.8
1945.....	12,864	104.0	87.8
1946.....	12,105	97.9	81.2
1947.....	12,795	103.4	97.7
1948.....	12,715	102.8	105.1
1949.....	11,597	93.8	97.2
1950.....	12,317	99.6	111.7
1951.....	13,155	106.4	129.8
1952.....	13,144	106.3	136.6
1953.....	13,850	112.0	151.6
<u>Monthly data:</u>			
1953: July.....	13,875	112.2	151.1
August.....	14,070	113.8	154.0
September.....	14,061	113.7	153.4
October.....	13,852	112.0	152.6
November.....	13,534	109.4	148.0
December.....	13,319	107.7	147.2
1954: January.....	13,002	105.1	140.8
February.....	12,906	104.3	140.5
March.....	12,818	103.6	138.4
April.....	12,590	101.8	135.0
May.....	12,437	100.5	135.1
June.....	12,480	100.9	136.6
July.....	12,212	98.7	132.3
August.....	12,448	100.6	135.1

# Ship Building

**Table A-5: Employees in Government and private shipyards, by region**

(In thousands)

Region <sup>1/</sup>	1954			1953	
	August	July	June	August	July
ALL REGIONS.....	207.2	212.4	214.4	249.5	253.6
PRIVATE YARDS.....	99.5	104.4	105.6	128.1	130.2
NAVY YARDS.....	107.7	108.0	108.8	121.4	123.4
NORTH ATLANTIC.....	87.7	89.6	90.6	113.0	114.4
Private yards.....	40.1	41.9	42.1	57.6	59.3
Navy yards <sup>2/</sup> .....	47.6	47.7	48.5	55.4	55.1
SOUTH ATLANTIC.....	37.4	38.0	38.2	42.6	43.3
Private yards.....	17.4	17.7	17.8	19.7	19.7
Navy yards.....	20.0	20.3	20.4	22.9	23.6
GULF:					
Private yards.....	21.4	22.7	22.8	24.7	24.4
PACIFIC.....	52.0	52.7	52.8	58.0	59.7
Private yards.....	11.9	12.7	12.9	14.9	15.0
Navy yards.....	40.1	40.0	39.9	43.1	44.7
GREAT LAKES:					
Private yards.....	4.5	5.0	5.5	5.8	6.5
INLAND:					
Private yards.....	4.2	4.4	4.5	5.4	5.3

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

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

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

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

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

The Inland region includes all other yards.

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

Table A-6: Federal civilian employment

(In thousands)

Branch and agency	1954			1953	
	August	July	June	August	July
<b>TOTAL FEDERAL</b> <sup>1/</sup> .....	2,156	2,161	2,164	2,258	2,281
<b>Executive</b> <sup>2/</sup> .....	2,130.1	2,134.7	2,138.1	2,231.9	2,255.0
Department of Defense.....	1,020.6	1,022.1	1,025.2	1,113.0	1,128.2
Post Office Department.....	505.7	507.4	504.8	495.0	498.6
Other agencies.....	603.8	605.2	608.1	623.9	628.2
Legislative.....	22.0	22.1	21.9	22.2	22.2
Judicial.....	4.0	3.9	4.0	3.9	3.9
<b>District of Columbia</b> <sup>3/</sup> .....	226.0	227.1	228.7	236.4	239.6
<b>Executive</b> <sup>2/</sup> .....	205.1	206.2	207.8	215.4	218.6
Department of Defense.....	86.9	87.2	87.2	88.9	89.6
Post Office Department.....	8.8	8.9	8.9	9.1	9.3
Other agencies.....	109.4	110.1	111.7	117.4	119.7
Legislative.....	20.2	20.2	20.1	20.3	20.3
Judicial.....	.7	.7	.8	.7	.7

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

<sup>2/</sup> Includes all executive agencies (except the Central Intelligence Agency), and Government corporations. Civilian employment in navy yards, arsenals, hospitals, and on force-account construction is also included.

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

NOTE: Beginning with July 1954, approximately 1,200 Howard University and Gallaudet College employees located in the District of Columbia are excluded from Federal Government figures and included in Service.

**Table A-7: Employees in nonagricultural establishments,  
by industry division and State**  
(In thousands)

State	Total			Mining			Contract construction		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	659.4	651.0	675.1	15.5	15.8	18.1	34.0	33.9	36.3
Arizona.....	196.6	198.5	195.9	13.4	13.4	13.2	17.8	17.1	16.9
Arkansas.....	298.7	297.2	312.2	6.0	5.9	6.3	15.2	14.3	18.8
California.....	3,884.8	3,835.4	3,974.6	35.8	35.7	37.1	236.3	234.8	269.6
Colorado.....	411.5	402.4	418.1	13.0	12.7	12.8	27.2	19.5	28.8
Connecticut.....	847.0	841.2	881.1	(1/)	(1/)	(1/)	42.3	42.0	42.8
Delaware.....	-	-	-	-	-	-	-	-	-
District of Columbia.....	487.9	487.8	501.3	(2/)	(2/)	(2/)	17.7	16.4	18.8
Florida.....	813.7	811.5	797.1	7.4	7.3	7.3	79.3	78.1	79.2
Georgia.....	889.4	879.0	917.1	4.4	4.5	4.6	45.6	45.2	54.3
Idaho.....	136.6	135.5	141.6	4.5	4.5	4.8	9.7	9.8	10.8
Illinois.....	3,290.0	3,267.6	3,444.1	32.1	31.9	36.1	180.0	177.1	177.1
Indiana.....	(3/)	1,290.4	1,431.1	(3/)	10.3	11.7	(3/)	63.5	69.4
Iowa.....	(3/)	629.0	645.4	(3/)	3.3	3.3	(3/)	40.2	45.5
Kansas.....	541.2	541.8	553.4	18.9	18.8	18.6	42.7	41.8	40.9
Kentucky.....	-	-	-	42.8	42.6	47.4	-	-	-
Louisiana.....	689.1	687.0	702.8	34.5	34.7	33.5	54.0	54.4	60.0
Maine.....	276.3	274.7	284.5	.6	.6	.5	14.3	14.4	13.7
Maryland.....	795.9	789.7	819.9	2.2	2.2	2.2	62.9	62.9	64.3
Massachusetts.....	1,745.0	1,737.0	1,825.7	(2/)	(2/)	(2/)	71.7	71.8	77.6
Michigan.....	2,204.0	2,228.4	2,450.4	16.6	16.9	18.7	127.7	121.0	119.9
Minnesota.....	851.4	845.0	890.9	18.0	18.1	21.0	55.6	52.0	57.1
Mississippi.....	336.6	334.4	340.7	2.7	2.7	3.2	20.0	19.7	21.7
Missouri.....	1,222.7	1,227.5	1,288.9	8.6	8.3	8.9	61.0	59.9	58.2
Montana.....	159.4	158.8	160.4	11.5	11.4	11.2	11.7	11.7	11.0
Nebraska.....	(3/)	351.1	353.0	(3/)	1.9	1.8	(3/)	26.1	24.0
Nevada.....	76.1	75.9	76.2	5.1	5.0	5.0	8.9	9.0	8.8
New Hampshire.....	179.0	177.8	183.3	.2	.2	.2	8.6	8.4	7.9
New Jersey.....	1,776.6	1,770.3	1,855.9	4.4	4.5	4.8	101.7	98.9	99.2
New Mexico.....	175.5	175.0	181.2	14.1	14.0	15.2	15.4	14.7	15.6
New York.....	5,833.7	5,797.4	5,969.6	12.1	12.1	12.6	244.2	240.9	220.8
North Carolina.....	987.0	971.1	1,013.0	3.5	3.5	3.8	48.1	48.0	52.7
North Dakota.....	113.5	113.2	114.2	2.0	2.0	2.1	9.3	9.2	10.3
Ohio.....	2,874.3	2,872.2	3,085.4	21.2	21.1	23.0	172.5	168.2	166.5
Oklahoma.....	529.8	533.9	535.5	46.5	46.9	47.0	40.4	39.6	35.3
Oregon.....	459.1	443.3	488.1	1.3	1.3	1.3	28.9	26.3	30.0
Pennsylvania.....	3,572.8	3,574.2	3,881.3	93.6	91.4	136.4	211.1	209.6	220.2
Rhode Island.....	285.1	279.9	302.1	(2/)	(2/)	(2/)	16.1	15.6	16.2
South Carolina.....	512.6	509.0	538.4	1.2	1.2	1.3	40.7	41.7	54.8
South Dakota.....	123.3	121.6	124.9	2.5	2.5	2.6	11.6	10.9	11.6
Tennessee.....	(3/)	807.9	836.1	(3/)	8.4	8.9	(3/)	54.2	56.4
Texas.....	2,246.9	2,242.3	2,240.2	126.0	127.0	125.0	175.5	173.1	162.0
Utah.....	208.6	207.7	218.2	12.1	12.0	13.6	13.0	12.2	13.5
Vermont.....	102.1	101.3	106.2	1.4	1.3	1.4	4.8	4.7	4.9
Virginia.....	859.6	856.3	894.1	15.0	15.1	17.6	56.2	55.4	58.9
Washington.....	726.8	725.5	754.3	2.6	2.6	2.9	52.7	52.7	52.0
West Virginia.....	(3/)	464.0	506.4	(3/)	79.9	96.8	(3/)	20.6	23.1
Wisconsin.....	1,066.1	1,075.4	1,107.9	4.3	4.2	4.3	56.5	56.2	58.5
Wyoming.....	89.3	88.7	94.7	9.7	9.1	10.9	7.4	7.3	7.8

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,  
by industry division and State - Continued**

(In thousands)

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	222.3	214.1	234.0	51.2	51.6	52.1	135.6	135.3	137.5
Arizona.....	25.7	26.6	27.4	19.6	20.2	20.7	48.7	49.6	49.3
Arkansas.....	77.3	75.8	81.7	28.2	28.0	30.5	71.6	72.0	75.8
California.....	1,083.0	1,037.1	1,128.5	336.3	336.4	345.6	882.5	880.6	893.2
Colorado.....	65.4	64.7	69.7	44.2	43.9	46.5	109.4	109.1	109.1
Connecticut.....	407.0	401.1	454.4	42.6	42.6	42.8	148.0	148.7	142.6
Delaware.....	60.0	56.4	67.6	-	-	-	-	-	-
District of Columbia.....	16.1	16.1	17.4	29.7	29.5	31.4	87.5	88.1	89.2
Florida.....	115.5	114.9	114.7	74.9	74.7	74.4	242.1	242.1	236.2
Georgia.....	305.3	296.1	321.2	69.6	69.6	72.3	205.5	204.6	208.0
Idaho.....	26.8	26.1	27.2	15.9	15.6	17.6	35.3	34.9	36.1
Illinois.....	1,201.0	1,180.8	1,340.2	295.4	296.2	316.6	699.8	701.9	704.2
Indiana.....	(3/)	555.6	682.9	(3/)	99.5	103.8	(3/)	274.2	280.2
Iowa.....	(3/)	161.7	173.2	(3/)	58.4	61.6	(3/)	169.1	170.1
Kansas.....	131.9	131.9	138.9	64.1	64.2	70.1	126.3	127.3	130.5
Kentucky.....	149.3	146.1	160.0	56.7	57.1	60.3	126.2	126.0	127.0
Louisiana.....	156.6	153.6	165.8	81.7	80.5	83.5	159.9	160.0	161.3
Maine.....	109.6	107.5	119.2	20.6	20.5	20.3	53.4	53.6	53.7
Maryland.....	258.8	252.6	282.2	75.5	74.1	79.2	161.2	162.5	159.7
Massachusetts.....	663.5	654.1	739.0	117.5	118.4	120.5	361.3	360.7	362.5
Michigan.....	990.3	1,009.5	1,212.3	144.7	145.3	154.5	435.8	443.3	456.4
Minnesota.....	215.9	215.6	238.6	88.6	88.1	96.2	205.7	205.0	212.7
Mississippi.....	93.4	92.6	97.9	27.3	26.8	26.2	82.7	82.5	83.2
Missouri.....	373.4	376.0	422.7	126.0	126.1	134.9	296.0	298.1	310.9
Montana.....	19.2	19.2	19.7	22.4	22.5	24.8	40.7	40.6	40.7
Nebraska.....	(3/)	58.8	61.9	(3/)	42.6	45.6	(3/)	91.9	93.7
Nevada.....	4.4	4.3	4.7	9.0	9.0	9.4	15.5	15.5	15.6
New Hampshire.....	79.6	78.1	83.2	10.7	10.8	11.0	32.1	32.0	32.3
New Jersey.....	772.4	761.9	854.4	146.4	146.5	150.0	315.9	319.9	320.8
New Mexico.....	16.4	16.4	17.0	18.2	18.5	20.4	40.6	40.8	42.7
New York.....	1,862.3	1,815.4	2,034.9	500.8	505.2	516.9	1,258.3	1,265.4	1,258.1
North Carolina.....	437.0	422.2	456.7	60.3	59.7	63.8	196.3	195.0	199.3
North Dakota.....	6.7	6.6	6.5	13.9	14.0	14.7	38.0	37.8	37.5
Ohio.....	1,243.1	1,239.0	1,433.0	215.9	216.4	237.9	556.2	559.2	570.4
Oklahoma.....	82.9	83.9	86.6	49.3	49.3	51.3	125.8	128.3	132.0
Oregon.....	132.5	118.9	155.2	45.9	46.0	49.3	106.9	106.9	111.8
Pennsylvania.....	1,422.1	1,422.9	1,630.0	308.7	308.6	340.4	662.2	665.0	682.2
Rhode Island.....	127.3	122.9	146.8	16.0	16.0	16.6	51.6	52.0	51.2
South Carolina.....	217.6	213.0	228.5	26.2	26.1	27.7	100.3	100.0	100.7
South Dakota.....	12.0	11.9	12.3	9.9	10.0	10.5	39.5	38.9	39.6
Tennessee.....	(3/)	273.7	298.6	(3/)	59.3	62.1	(3/)	180.0	181.1
Texas.....	428.0	426.0	443.1	224.2	224.6	234.7	603.6	601.2	594.6
Utah.....	31.4	32.3	33.4	22.4	22.2	23.8	49.9	49.4	50.8
Vermont.....	36.7	36.0	41.3	8.3	8.6	8.7	19.5	19.6	19.1
Virginia.....	241.5	236.7	257.5	80.8	80.8	85.7	189.9	190.5	196.0
Washington.....	177.6	176.7	203.8	64.6	64.9	69.1	167.8	167.8	167.9
West Virginia.....	(3/)	122.8	137.7	(3/)	49.7	54.3	(3/)	79.5	85.8
Wisconsin.....	437.4	446.5	481.2	77.5	78.0	81.4	225.6	227.2	227.3
Wyoming.....	6.8	6.8	7.2	15.5	15.3	16.8	19.4	19.5	20.9

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,  
by industry division and State - Continued**  
(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	22.6	22.5	20.8	57.1	57.4	57.5	121.1	120.4	118.8
Arizona.....	7.7	7.6	7.0	24.2	24.5	24.1	39.5	39.5	37.3
Arkansas.....	9.0	9.1	9.0	35.3	35.4	35.7	56.1	56.7	54.4
California.....	174.8	174.7	173.6	509.7	509.1	504.1	626.4	627.0	622.9
Colorado.....	18.3	18.3	17.6	56.0	55.8	56.3	78.0	78.4	77.3
Connecticut.....	44.8	44.6	42.6	87.3	87.3	83.7	75.0	74.9	72.3
Delaware.....	-	-	-	-	-	-	12.8	12.9	12.2
District of Columbia <sup>6/</sup> <sub>1/</sub> .....	23.9	23.8	23.1	64.9	65.6	64.5	248.1	248.3	256.9
Florida.....	42.7	42.4	39.7	116.5	116.6	113.1	135.3	135.4	132.5
Georgia.....	33.4	33.3	33.1	84.1	84.1	84.3	141.5	141.6	139.3
Idaho.....	4.2	4.2	4.3	16.1	16.2	16.5	24.1	24.2	24.3
Illinois.....	170.9	171.2	168.0	377.5	374.6	374.6	333.3	333.7	327.3
Indiana.....	(3/)	44.9	43.2	(3/)	98.5	99.9	(3/)	143.9	140.0
Iowa.....	(3/)	28.5	27.7	(3/)	70.4	70.7	(3/)	97.6	93.5
Kansas.....	19.1	19.1	18.2	55.4	56.0	55.0	82.8	82.7	81.2
Kentucky.....	18.0	18.0	18.2	62.4	62.9	63.6	88.9	89.2	88.7
Louisiana.....	24.2	24.2	23.2	73.9	74.1	73.6	104.3	105.5	101.9
Maine.....	7.4	7.4	7.5	29.9	30.1	29.8	40.5	40.6	39.8
Maryland <sup>6/</sup> .....	37.1	37.2	36.3	86.1	86.0	83.3	112.1	112.2	112.7
Massachusetts.....	86.0	85.9	84.5	220.1	220.7	219.5	224.9	225.4	222.1
Michigan <sup>8/</sup> .....	68.3	68.4	66.9	193.6	196.5	196.9	226.9	227.6	224.8
Minnesota <sup>4/</sup> .....	42.1	41.7	41.3	101.1	100.7	101.9	124.4	123.8	122.1
Mississippi.....	9.2	9.2	9.0	35.1	34.8	35.6	66.2	66.1	63.9
Missouri.....	61.2	61.8	62.2	149.7	150.5	148.2	146.8	146.8	142.9
Montana.....	5.2	5.1	4.9	20.8	20.4	21.3	27.9	27.9	26.8
Nebraska.....	(3/)	19.0	18.9	(3/)	45.4	44.0	(3/)	65.4	63.1
Nevada <sup>5/</sup> .....	1.9	1.9	1.7	18.6	18.5	18.7	12.7	12.7	12.3
New Hampshire <sup>5/</sup> .....	5.4	5.4	5.3	23.3	23.8	24.0	19.1	19.1	19.4
New Jersey.....	64.2	64.3	64.7	185.0	187.4	179.3	186.6	186.9	182.7
New Mexico <sup>2/</sup> .....	5.7	5.6	5.5	23.2	23.1	24.3	41.9	41.9	40.5
New York.....	418.0	416.8	416.3	817.4	821.9	809.0	720.6	719.6	701.1
North Carolina.....	27.9	28.1	27.3	89.4	89.9	89.3	124.5	124.7	120.1
North Dakota.....	4.7	4.6	4.6	13.4	13.5	13.2	25.4	25.5	25.2
Ohio.....	93.2	93.4	92.1	263.7	264.9	259.5	308.5	309.9	303.0
Oklahoma.....	19.7	19.7	19.2	58.8	59.3	58.3	106.4	106.9	105.8
Oregon.....	17.6	17.5	17.0	56.5	56.8	56.5	69.5	69.6	67.0
Pennsylvania.....	131.7	131.7	129.4	370.9	371.6	376.2	372.5	373.4	366.5
Rhode Island.....	12.0	11.8	11.6	28.7	28.3	27.3	33.4	33.3	32.4
South Carolina.....	12.4	12.4	12.2	39.4	39.6	40.0	74.8	75.0	73.2
South Dakota.....	5.2	5.2	5.0	15.6	15.4	15.7	27.1	27.0	27.8
Tennessee.....	(3/)	28.4	27.8	(3/)	85.8	86.2	(3/)	118.1	115.0
Texas.....	101.1	101.3	99.3	277.4	277.3	269.7	311.1	311.8	311.8
Utah.....	8.1	8.2	7.8	23.0	22.9	23.2	48.7	48.5	52.1
Vermont*.....	3.1	3.2	3.0	12.6	12.5	12.0	15.6	15.6	16.0
Virginia <sup>6/</sup> .....	34.2	34.5	35.4	84.8	85.5	84.4	157.2	157.8	158.6
Washington.....	29.4	29.5	29.1	87.8	86.9	85.6	144.3	144.4	143.9
West Virginia.....	(3/)	11.2	11.1	(3/)	43.9	43.2	(3/)	56.4	54.4
Wisconsin.....	38.7	38.8	36.8	104.6	103.3	102.3	121.4	121.2	116.1
Wyoming.....	2.2	2.2	2.0	12.8	12.9	13.5	15.5	15.6	15.6

\* Finance and government do not conform with definitions used for national series as shown in Glossary. <sup>1/</sup> Mining combined with construction. <sup>2/</sup> Mining combined with service. <sup>3/</sup> Not available. <sup>4/</sup> Total and government revised; not strictly comparable with previously published data. <sup>5/</sup> Revised series not strictly comparable with previously published data. <sup>6/</sup> Federal employment in Maryland and Virginia portions of the Washington, D. C., metropolitan area included in data for District of Columbia. <sup>7/</sup> Beginning with July 1954, approximately 1,200 Howard University and Gallaudet College employees are excluded from federal government employment and included in service. <sup>8/</sup> Government revised; not strictly comparable with previously published data.



**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>ALABAMA</b>				<b>Sacramento</b>			
<u>Birmingham</u>				<u>Manufacturing.....</u>	14.6	9.8	15.2
Total.....	187.9	187.3	191.7	<b>San Bernardino-</b>			
Mining.....	11.0	11.3	13.1	<u>Riverside-Ontario</u>			
Contract construction...	10.9	11.0	10.7	<u>Manufacturing.....</u>			
Manufacturing.....	61.5	60.5	63.1	25.9	26.0	26.8	
Trans. and pub. util....	16.7	16.9	17.6	<b>San Diego</b>			
Trade.....	42.5	42.4	42.7	<u>Total.....</u>			
Finance.....	10.4	10.3	9.9	178.9	180.4	188.0	
Service.....	19.0	19.1	19.0	Mining.....	.2	.2	.2
Government.....	15.9	16.0	15.7	Contract construction...	10.6	10.9	13.2
<b>Mobile</b>				Manufacturing.....	47.0	47.8	50.2
<u>Manufacturing.....</u>	(1/)	16.3	16.6	Trans. and pub. util....	11.0	10.8	10.7
<b>ARIZONA</b>				Trade.....	40.4	40.5	42.0
<u>Phoenix</u>				Finance *.....	6.0	6.0	6.0
Total.....	93.2	94.4	92.6	Service.....	24.5	24.7	26.1
Mining.....	.2	.2	.2	Government *.....	39.2	39.5	39.6
Contract construction...	8.6	8.2	8.3	<b>San Francisco-Oakland</b>			
Manufacturing.....	14.7	15.5	15.2	<u>Total.....</u>			
Trans. and pub. util....	8.9	9.0	9.0	872.8	866.1	897.9	
Trade.....	26.7	27.3	27.2	Mining.....	1.5	1.4	1.4
Finance.....	5.2	5.2	4.7	Contract construction...	56.2	55.0	61.3
Service.....	11.5	11.7	11.3	Manufacturing.....	190.5	185.2	200.9
Government.....	17.4	17.3	16.7	Trans. and pub. util....	97.9	98.2	102.3
<b>Tucson</b>				Trade.....	199.2	198.3	200.9
<u>Total.....</u>	39.8	39.9	42.0	Finance.....	55.9	55.8	55.6
Mining.....	1.7	1.7	1.6	Service.....	109.1	109.0	107.6
Contract construction...	3.5	3.4	4.0	Government.....	162.5	163.2	167.9
Manufacturing.....	4.9	4.8	6.0	<b>San Jose</b>			
Trans. and pub. util....	4.7	5.0	5.3	<u>Manufacturing.....</u>			
Trade.....	9.5	9.7	9.7	39.0	32.0	40.5	
Finance.....	1.4	1.3	1.3	<b>Stockton</b>			
Service.....	6.4	6.6	6.5	<u>Manufacturing.....</u>			
Government.....	7.7	7.4	7.6	16.5	12.3	18.2	
<b>ARKANSAS</b>				<b>COLORADO</b>			
<u>Little Rock-</u>				<b>Denver</b>			
<u>N. Little Rock</u>				<u>Mining.....</u>			
Total.....	65.9	65.6	68.7	1.8	1.8	1.5	
Contract construction...	4.6	4.4	4.9	Contract construction...	20.3	12.5	20.1
Manufacturing.....	11.6	11.4	12.1	Manufacturing.....	44.2	43.6	46.5
Trans. and pub. util....	7.4	7.3	8.5	Trans. and pub. util....	26.4	26.4	27.7
Trade.....	16.9	17.1	17.6	Trade.....	64.2	64.1	65.0
Finance.....	4.2	4.2	4.1	Finance.....	12.9	12.9	12.7
Service 2/.....	9.5	9.5	9.8	Service.....	31.3	31.2	31.9
Government.....	11.9	11.9	11.9	<b>CONNECTICUT</b>			
<b>CALIFORNIA</b>				<b>Bridgeport</b>			
<u>Fresno</u>				<u>Total.....</u>			
<u>Manufacturing.....</u>	14.8	13.7	15.3	115.3	115.5	123.1	
<u>Los Angeles</u>				Contract construction 2/	5.7	5.6	5.8
Total.....	1,822.3	1,817.7	1,847.4	Manufacturing.....	65.6	65.5	73.2
Mining.....	14.8	14.6	16.0	Trans. and pub. util....	5.7	5.6	5.5
Contract construction...	104.9	103.7	121.8	Trade.....	18.9	19.2	19.0
Manufacturing.....	629.3	623.8	649.0	Finance.....	2.6	2.6	2.5
Trans. and pub. util....	122.1	122.3	124.4	Service.....	9.4	9.5	9.9
Trade.....	410.9	411.8	412.5	Government.....	7.4	7.5	7.2
Finance.....	84.0	83.9	82.4	<b>Hartford</b>			
Service.....	257.0	256.7	250.2	<u>Total.....</u>			
Government.....	199.3	200.9	191.1	192.0	194.2	196.0	
				Contract construction 2/	9.4	9.4	9.0
				Manufacturing.....	73.5	75.2	78.4
				Trans. and pub. util....	7.4	7.4	7.3
				Trade.....	37.6	38.2	38.9
				Finance.....	26.9	26.7	25.7

See footnotes at end of table.

## Area Employment

**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>CONNECTICUT - Continued</b>				<b>Jacksonville - Continued</b>			
<b>Hartford - Continued</b>				Manufacturing.....	17.7	18.9	18.3
Service.....	19.8	19.9	20.1	Trans. and pub. util....	14.3	14.4	14.4
Government.....	17.5	17.5	16.6	Trade.....	35.8	36.0	34.2
<b>New Britain</b>				Finance.....	8.5	8.3	7.2
Total.....	41.1	41.6	43.4	Service 2/.....	13.4	13.4	13.2
Contract construction 2/	1.3	1.3	1.2	Government.....	15.5	15.5	15.7
Manufacturing.....	26.7	27.0	29.6				
Trans. and pub. util....	2.1	2.1	2.0	<b>Miami</b>			
Trade.....	5.3	5.4	5.1	Total.....	200.6	198.9	189.0
Finance.....	.7	.7	.7	Contract construction...	18.6	17.4	20.0
Service.....	2.8	2.8	2.6	Manufacturing.....	23.4	22.6	21.2
Government.....	2.3	2.3	2.3	Trans. and pub. util....	26.8	27.4	25.4
				Trade.....	64.9	65.0	59.2
<b>New Haven</b>				Finance.....	11.6	11.5	10.7
Total.....	119.2	118.3	122.0	Service 2/.....	36.6	36.4	34.4
Contract construction 2/	6.3	6.1	6.1	Government.....	18.9	18.9	18.2
Manufacturing.....	46.5	45.7	50.0				
Trans. and pub. util....	11.7	11.7	11.7	<b>Tampa-St. Petersburg</b>			
Trade.....	22.6	22.5	22.6	Total.....	118.2	118.2	114.8
Finance.....	5.6	5.7	5.7	Contract construction...	12.6	12.4	11.8
Service.....	18.0	18.0	17.7	Manufacturing.....	21.5	21.4	22.4
Government.....	8.5	8.6	8.3	Trans. and pub. util....	10.3	10.3	10.1
				Trade.....	38.4	38.5	37.7
<b>Stamford</b>				Finance.....	6.3	6.2	5.7
Total.....	47.9	48.3	51.1	Service 2/.....	14.6	14.7	14.0
Contract construction 2/	3.5	3.4	3.5	Government.....	14.7	14.8	13.2
Manufacturing.....	20.4	20.7	23.1				
Trans. and pub. util....	2.6	2.6	2.7	<b>GEORGIA</b>			
Trade.....	9.1	9.2	9.2	<b>Atlanta</b>			
Finance.....	1.6	1.5	1.5	Total.....	293.0	290.4	301.7
Service.....	7.3	7.4	7.7	Contract construction...	13.9	13.8	16.3
Government.....	3.5	3.4	3.5	Manufacturing.....	77.8	75.6	80.7
				Trans. and pub. util....	30.7	30.6	31.9
<b>Waterbury</b>				Trade.....	78.9	78.6	79.7
Total.....	66.3	64.7	73.0	Finance.....	20.9	20.9	21.6
Contract construction 2/	2.2	2.1	2.2	Service 2/.....	37.6	37.6	37.5
Manufacturing.....	42.1	40.6	48.9	Government.....	33.2	33.3	34.0
Trans. and pub. util....	2.7	2.7	2.8				
Trade.....	9.1	9.1	9.1	<b>Savannah</b>			
Finance.....	1.3	1.3	1.2	Total.....	48.7	48.3	51.1
Service.....	4.2	4.2	4.3	Contract construction...	3.2	3.3	4.9
Government.....	4.7	4.7	4.6	Manufacturing.....	13.9	13.4	14.5
				Trans. and pub. util....	6.4	6.4	6.5
<b>DELAWARE</b>				Trade.....	12.4	12.4	12.4
<b>Wilmington</b>				Finance.....	1.5	1.5	1.5
Manufacturing.....	52.8	52.0	60.1	Service 2/.....	5.8	5.8	5.7
				Government.....	5.5	5.5	5.6
<b>DISTRICT OF COLUMBIA</b>							
<b>Washington</b>				<b>IDAHO</b>			
Total.....	602.2	601.3	614.8	<b>Boise 4/</b>			
Contract construction...	34.8	33.2	36.6	Total.....	20.0	20.1	21.3
Manufacturing.....	26.3	26.0	26.9	Contract construction...	1.7	1.7	2.5
Trans. and pub. util....	41.7	41.4	43.9	Manufacturing.....	1.7	1.7	1.9
Trade.....	121.5	122.0	123.2	Trans. and pub. util....	2.3	2.3	2.5
Finance.....	32.1	31.9	31.1	Trade.....	6.2	6.2	6.2
Service 2/ 3/.....	82.4	83.2	81.9	Finance.....	1.2	1.2	1.2
Government 3/.....	263.4	263.6	271.2	Service.....	2.8	2.9	3.0
				Government.....	4.1	4.1	4.0
<b>FLORIDA</b>							
<b>Jacksonville</b>							
Total.....	114.4	115.9	110.9				
Contract construction...	9.3	9.5	8.0				

See footnotes at end of table.

**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>ILLINOIS</b>				<b>Wichita - Continued</b>			
<u>Chicago</u>				Contract construction...	7.4	7.1	7.7
Total.....	(1/)	2,419.2	2,550.6	Manufacturing.....	53.3	52.6	52.9
Mining.....	(1/)	3.7	4.2	Trans. and pub. util....	7.4	7.4	7.9
Contract construction...	(1/)	101.4	103.4	Trade.....	24.5	24.3	24.6
Manufacturing.....	(1/)	947.1	1,060.9	Finance.....	4.6	4.6	4.2
Trans. and pub. util....	(1/)	210.5	223.4	Service.....	11.4	11.5	11.2
Trade.....	(1/)	501.7	510.8	Government.....	9.1	9.2	8.8
Finance.....	(1/)	145.7	143.2				
Service.....	(1/)	290.8	290.2				
Government.....	(1/)	218.3	214.5				
<b>INDIANA</b>				<b>LOUISIANA</b>			
<u>Evansville</u>				<u>Baton Rouge</u>			
Total.....	63.4	65.6	68.4	Manufacturing.....	18.6	18.7	19.4
Manufacturing.....	28.5	30.8	33.3	Trade.....	11.9	11.8	11.8
Nonmanufacturing.....	34.9	34.8	35.1	Finance.....	2.1	2.0	1.9
<u>Fort Wayne</u>				<u>New Orleans</u>			
Total.....	72.9	73.1	82.7	Total.....	263.5	263.3	272.7
Manufacturing.....	33.8	34.2	41.8	Mining.....	4.7	4.8	4.7
Nonmanufacturing.....	39.1	38.9	40.9	Contract construction...	18.9	18.7	19.9
				Manufacturing.....	52.1	52.7	58.4
				Trans. and pub. util....	42.6	42.3	43.4
				Trade.....	66.3	65.6	66.6
<u>Indianapolis</u>				Finance.....	11.8	11.8	11.7
Total.....	261.9	266.5	280.1	Service.....	34.8	34.9	35.4
Contract construction...	10.2	10.3	11.9	Government.....	32.5	32.6	32.7
Manufacturing.....	94.4	98.3	107.7				
Trans. and pub. util....	19.7	20.1	22.5				
Trade.....	63.2	63.0	65.2				
Finance.....	15.5	15.4	15.5				
Other nonmanufacturing..	58.9	59.4	57.3				
<u>South Bend</u>				<b>MAINE</b>			
Total.....	72.1	73.5	96.5	<u>Lewiston</u>			
Manufacturing.....	34.6	35.9	57.9	Total.....	28.0	27.5	29.4
Trade.....	14.6	14.6	15.4	Contract construction...	1.3	1.4	1.3
Other nonmanufacturing..	22.9	23.0	23.2	Manufacturing.....	15.0	14.4	16.4
				Trans. and pub. util....	1.1	1.1	1.2
				Trade.....	5.1	5.1	5.1
				Finance.....	.7	.7	.6
				Service 2/.....	3.8	3.8	3.8
				Government.....	1.0	1.0	1.0
<b>IOWA</b>							
<u>Des Moines</u>				<u>Portland</u>			
Total.....	(1/)	92.2	92.9	Total.....	53.9	53.7	53.3
Contract construction...	(1/)	4.9	5.2	Contract construction...	4.6	4.5	4.1
Manufacturing.....	(1/)	22.5	23.4	Manufacturing.....	13.3	13.1	13.4
Trans. and pub. util....	(1/)	7.9	7.9	Trans. and pub. util....	6.6	6.6	6.4
Trade.....	(1/)	24.4	24.8	Trade.....	14.5	14.6	14.6
Finance.....	(1/)	10.0	9.7	Finance.....	3.2	3.2	3.1
Service 2/.....	(1/)	12.0	11.8	Service 2/.....	8.4	8.4	8.4
Government.....	(1/)	10.6	10.3	Government.....	3.3	3.3	3.3
<b>KANSAS</b>				<b>MARYLAND</b>			
<u>Topeka 4/</u>				<u>Baltimore</u>			
Total.....	43.3	43.1	45.5	Total.....	546.3	547.3	562.0
Mining.....	.2	.2	.2	Mining.....	.8	.8	.8
Contract construction...	2.8	2.6	3.1	Contract construction...	39.3	39.2	40.3
Manufacturing.....	4.5	4.5	6.0	Manufacturing.....	187.5	188.4	203.2
Trans. and pub. util....	7.3	7.5	8.0	Trans. and pub. util....	57.9	56.4	60.0
Trade.....	9.4	9.4	9.5	Trade.....	109.2	110.6	108.8
Finance.....	2.3	2.3	2.2	Finance.....	28.6	28.6	28.1
Service.....	5.1	5.1	5.2	Service.....	60.3	60.3	57.3
Government.....	11.8	11.8	11.5	Government.....	62.7	63.0	63.5
<u>Wichita 4/</u>							
Total.....	118.8	117.7	118.4				
Mining.....	1.3	1.3	1.3				

See footnotes at end of table.

# Area Employment

## Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>MASSACHUSETTS</b>				<b>Saginaw</b>			
<u>Boston</u>				Manufacturing.....			
Total.....	943.7	940.6	978.1	27.1	26.7	29.3	
Contract construction...	42.4	41.2	47.7	<b>MINNESOTA</b>			
Manufacturing.....	280.1	275.8	307.9	<u>Duluth</u>			
Trans. and pub. util....	78.5	79.4	79.0	Total.....	43.0	43.3	45.4
Trade.....	218.6	219.3	223.4	Contract construction...	2.6	2.4	2.7
Finance.....	64.9	64.9	63.2	Manufacturing.....	9.6	10.0	11.0
Service 2/.....	129.5	130.4	128.6	Trans. and pub. util....	7.6	7.8	8.3
Government.....	129.7	129.6	128.3	Trade.....	11.2	11.1	11.4
<u>Fall River</u>				Finance.....	1.9	1.9	1.8
Total.....	46.6	45.5	49.2	Service 2/.....	6.2	6.2	6.2
Manufacturing.....	27.2	26.0	29.7	Government.....	3.9	3.9	4.1
Trans. and pub. util....	2.4	2.4	2.5	<u>Minneapolis</u>			
Trade.....	7.8	7.9	7.9	Total.....	263.5	261.8	271.2
Government.....	4.7	4.7	4.5	Contract construction...	15.6	14.0	14.7
Other nonmanufacturing..	4.5	4.5	4.6	Manufacturing.....	68.4	68.7	76.3
<u>New Bedford</u>				Trans. and pub. util....	29.0	28.6	30.0
Total.....	47.9	47.8	54.0	Trade.....	72.8	72.7	75.1
Contract construction...	1.1	1.1	1.4	Finance.....	20.4	20.2	19.9
Manufacturing.....	25.6	25.4	31.4	Service 2/.....	32.8	33.0	32.4
Trans. and pub. util....	2.2	2.2	2.2	Government.....	24.5	24.6	22.7
Trade.....	8.4	8.4	8.6	<u>St. Paul</u>			
Government.....	4.8	4.8	4.6	Total.....	151.6	149.9	152.4
Other nonmanufacturing..	5.8	5.9	5.8	Contract construction...	10.3	9.5	8.9
<u>Springfield-Holyoke</u>				Manufacturing.....	42.3	41.8	44.4
Total.....	153.0	152.0	160.4	Trans. and pub. util....	21.6	21.9	22.1
Contract construction...	5.7	5.5	4.7	Trade.....	33.0	33.0	33.8
Manufacturing.....	67.1	65.5	73.9	Finance.....	10.6	10.5	10.5
Trans. and pub. util....	8.8	8.8	9.1	Service 2/.....	17.1	16.9	16.6
Trade.....	30.1	30.4	30.3	Government.....	16.6	16.3	16.0
Finance.....	6.5	6.4	6.3	<b>MISSISSIPPI</b>			
Service 2/.....	15.1	15.3	15.0	<u>Jackson</u>			
Government.....	19.7	20.1	21.1	Manufacturing.....			
<u>Worcester</u>				8.8	8.8	9.0	
Total.....	99.4	99.5	106.6	<b>MISSOURI</b>			
Contract construction...	3.5	3.6	4.1	<u>Kansas City</u>			
Manufacturing.....	46.0	46.0	53.5	Total.....	(1/)	363.1	376.9
Trans. and pub. util....	5.2	5.2	5.2	Mining.....	(1/)	.8	.7
Trade.....	20.2	20.2	19.7	Contract construction...	(1/)	20.6	21.0
Finance.....	4.2	4.2	4.2	Manufacturing.....	(1/)	111.1	121.7
Service 2/.....	9.5	9.5	9.5	Trans. and pub. util....	(1/)	45.6	47.8
Government.....	10.8	10.8	10.4	Trade.....	(1/)	94.2	95.2
<b>MICHIGAN</b>				Finance.....	(1/)	20.7	21.1
<u>Detroit</u>				Service.....	(1/)	39.7	39.8
Manufacturing.....	540.6	556.0	712.8	Government.....	(1/)	30.4	29.6
<u>Flint</u>				<u>St. Louis</u>			
Manufacturing.....	76.4	77.2	75.4	Manufacturing.....			
<u>Grand Rapids</u>				260.2	261.0	304.8	
Manufacturing.....	50.2	51.8	53.6	<b>MONTANA</b>			
<u>Lansing</u>				<u>Great Falls</u>			
Manufacturing.....	27.6	29.0	34.9	Manufacturing.....	3.0	2.9	2.9
<u>Muskegon</u>				Trans. and pub. util....	2.6	2.6	2.9
Manufacturing.....	23.8	23.6	29.7	Trade.....	6.0	6.0	6.0
				Service 2/.....	3.4	3.4	3.4

See footnotes at end of table.

**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>NEBRASKA</b>				<b>Albany-Schenectady-Troy - Continued</b>			
<u>Omaha</u>				Government.....	36.9	36.9	39.5
Total.....	(1/)	141.8	143.9	Other nonmanufacturing..	28.4	28.4	28.0
Contract construction...	(1/)	8.2	8.0	<b>Binghamton</b>			
Manufacturing.....	(1/)	32.2	31.8	Total.....	75.8	76.2	78.0
Trans. and pub. util....	(1/)	23.2	25.6	Contract construction...	3.7	3.6	3.5
Trade.....	(1/)	34.4	35.4	Manufacturing.....	40.8	41.3	42.5
Finance.....	(1/)	10.6	10.7	Trans. and pub. util....	3.9	3.9	4.1
Service 2/.....	(1/)	18.0	17.9	Trade.....	12.9	13.0	13.5
Government.....	(1/)	15.3	14.6	Other nonmanufacturing..	14.5	14.5	14.4
<b>NEVADA</b>				<b>Buffalo</b>			
<u>Reno</u>				Total.....	429.2	429.8	457.5
Total.....		23.8	23.7	Contract construction...	21.7	22.2	21.8
Contract construction 1/4/		2.3	2.2	Manufacturing.....	197.6	197.0	220.3
Manufacturing 2/ 4/.....		1.9	1.9	Trans. and pub. util....	38.4	38.6	41.5
Trans. and pub. util. 4/		3.3	3.3	Trade.....	80.6	81.2	83.4
Trade 4/.....		5.9	5.9	Finance.....	13.6	13.5	13.2
Finance 4/.....		.8	.8	Service 2/.....	45.1	45.1	44.8
Service 4/.....		6.3	6.3	Government.....	32.1	32.1	32.6
Government.....		3.3	(1/)	<b>Elmira</b>			
<b>NEW HAMPSHIRE</b>				<b>Elmira</b>			
<u>Manchester 4/</u>				Total.....	33.3	33.2	33.3
Total.....		39.9	39.5	Manufacturing.....	17.1	17.2	17.0
Contract construction...		1.6	1.6	Trade.....	6.3	6.3	6.3
Manufacturing.....		19.5	19.1	Other nonmanufacturing..	10.0	9.8	10.0
Trans. and pub. util....		2.5	2.6	<b>Nassau and Suffolk Counties 6/</b>			
Trade.....		7.3	7.5	Contract construction...	28.0	28.9	22.3
Finance.....		2.0	1.9	Manufacturing.....	104.5	103.7	97.7
Service.....		4.2	4.2	Trans. and pub. util....	20.3	20.2	20.1
Government.....		2.8	2.6	Trade.....	59.4	59.4	52.9
<b>NEW JERSEY</b>				<b>Service 5/.....</b>			
<u>Newark-Jersey City 6/</u>					38.5	38.6	38.9
Manufacturing.....		349.7	349.2	<b>New York-Northeastern-New Jersey</b>			
<u>Paterson 6/</u>				Manufacturing.....	1,689.2	1,640.0	1,838.8
Manufacturing.....		166.1	167.3	<b>New York City</b>			
<u>Perth Amboy 6/</u>				Total.....	3,484.4	3,445.7	3,539.4
Manufacturing.....		79.4	78.9	Mining.....	1.9	1.9	1.9
<u>Trenton</u>				Contract construction...	110.2	110.9	71.7
Manufacturing.....		37.8	38.2	Manufacturing.....	933.9	884.6	1,019.9
<b>NEW MEXICO</b>				<b>Trans. and pub. util....</b>			
<u>Albuquerque 4/</u>					333.6	336.4	341.7
Total.....		54.5	54.4	Trade.....	790.3	795.7	804.2
Contract construction...		5.2	4.8	Finance.....	344.5	343.6	344.3
Manufacturing.....		9.2	8.9	Service.....	549.5	552.7	544.5
Trans. and pub. util....		4.9	5.4	Government.....	420.5	420.0	411.1
Trade.....		14.2	14.4	<b>Rochester</b>			
Finance.....		3.1	2.9	Total.....	212.0	212.1	217.4
Service 2/.....		7.5	7.5	Contract construction...	10.6	10.3	9.6
Government.....		10.4	10.5	Manufacturing.....	110.5	110.5	118.3
<b>NEW YORK</b>				<b>Trans. and pub. util....</b>			
<u>Albany-Schenectady-Troy</u>					11.2	11.2	11.1
Total.....		205.8	206.8	Trade.....	37.3	37.7	36.9
Contract construction...		7.0	8.1	Finance.....	6.6	6.6	6.4
Manufacturing.....		77.3	78.2	Other nonmanufacturing..	35.8	35.8	35.1
Trans. and pub. util....		16.7	18.0	<b>NEW YORK</b>			
Trade.....		39.5	40.2	<b>Albany-Schenectady-Troy</b>			

See footnotes at end of table.

## Area Employment

**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>NEW YORK - Continued</b>				<b>Oklahoma City - Continued</b>			
<u>Syracuse</u>				Trans. and pub. util....	10.8	10.8	11.4
Total.....	137.1	134.7	146.6	Trade.....	35.9	36.2	36.4
Contract construction...	7.8	7.1	7.3	Finance.....	7.6	7.7	7.7
Manufacturing.....	55.3	53.9	64.9	Service.....	16.5	16.5	16.6
Trans. and pub. util....	11.3	11.4	11.7	Government.....	31.5	31.4	33.1
Trade.....	29.3	29.0	29.4				
Other nonmanufacturing..	33.3	33.4	33.3	<u>Tulsa</u>			
				Total.....	114.4	114.1	117.3
<u>Utica-Rome</u>				Mining.....	11.3	11.1	11.3
Total.....	94.3	94.7	102.2	Contract construction..	9.5	9.4	8.9
Contract construction...	2.8	2.8	3.7	Manufacturing.....	28.9	29.0	32.0
Manufacturing.....	42.9	43.2	49.6	Trans. and pub. util....	12.5	12.5	12.6
Trans. and pub. util....	6.0	6.0	6.5	Trade.....	28.1	27.8	28.1
Trade.....	14.6	14.8	15.2	Finance.....	5.2	5.2	4.9
Finance.....	3.1	3.1	3.1	Service.....	13.6	13.8	13.9
Service 2/.....	7.8	7.4	7.6	Government.....	5.5	5.4	5.7
Government.....	17.0	17.4	16.5				
				<b>OREGON</b>			
<u>Westchester County 6/</u>				<u>Portland</u>			
Manufacturing.....	45.3	45.6	51.8	Total.....	244.2	238.4	250.0
				Contract construction..	14.3	13.1	15.5
<b>NORTH CAROLINA</b>				Manufacturing.....	61.6	57.1	63.5
<u>Charlotte</u>				Trans. and pub. util....	29.6	29.8	31.5
Total.....	82.9	82.5	84.3	Trade.....	61.9	61.5	63.5
Contract construction...	6.2	6.1	6.1	Finance.....	12.6	12.7	12.3
Manufacturing.....	21.1	21.0	22.0	Service 2/.....	33.4	33.3	33.3
Trans. and pub. util....	9.7	9.6	9.9	Government.....	30.8	30.9	30.4
Trade.....	24.4	24.3	24.9				
Finance.....	5.4	5.3	5.4	<b>PENNSYLVANIA</b>			
Service 2/.....	10.0	10.1	9.9	<u>Allentown-Bethlehem-</u>			
Government.....	6.1	6.1	6.1	<u>Easton</u>			
				Manufacturing.....	92.2	92.4	105.5
<u>Greensboro-High Point</u>							
Manufacturing.....	40.0	39.7	40.3	<u>Erie 4/</u>			
				Manufacturing.....	38.3	38.7	45.9
<u>Raleigh-Durham</u>							
Manufacturing.....	21.1	19.1	21.8	<u>Harrisburg</u>			
				Total.....	130.7	129.4	138.2
<u>Winston-Salem</u>				Mining.....	.5	.5	.6
Manufacturing.....	32.6	30.4	32.4	Contract construction..	7.8	7.2	7.2
				Manufacturing.....	32.0	31.5	37.4
<b>NORTH DAKOTA</b>				Trans. and pub. util....	14.3	14.1	16.1
<u>Fargo</u>				Trade.....	21.9	21.8	22.1
Manufacturing.....	2.3	2.2	2.1	Finance.....	5.0	5.0	5.1
Trans. and pub. util....	2.3	2.3	2.4	Service.....	11.4	11.4	11.6
Trade.....	7.5	7.4	7.4	Government.....	37.9	37.8	38.0
Finance.....	1.4	1.4	1.3				
Service.....	2.8	2.8	2.8	<u>Lancaster 4/</u>			
Government.....	(1/)	(1/)	2.9	Manufacturing.....	43.5	43.1	46.1
<b>OHIO</b>				<u>Philadelphia</u>			
<u>Cincinnati</u>				Manufacturing.....	546.9	547.6	615.0
Manufacturing.....	154.8	153.8	172.6				
				<u>Pittsburgh</u>			
<u>Cleveland</u>				Mining.....	20.8	21.3	27.7
Manufacturing.....	296.0	296.6	337.3	Manufacturing.....	319.9	321.3	374.7
				Trans. and pub. util....	67.8	67.6	73.7
<b>OKLAHOMA</b>				Finance.....	28.6	28.5	28.5
<u>Oklahoma City</u>							
Total.....	134.6	135.0	137.7	<u>Reading</u>			
Mining.....	6.6	6.6	6.6	Manufacturing.....	47.6	47.8	53.1
Contract construction...	9.4	9.1	9.8				
Manufacturing.....	16.4	16.6	16.2				

See footnotes at end of table.

**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
PENNSYLVANIA - Continued				Knoxville - Continued			
<u>Scranton</u> <sup>4/</sup>				Trans. and pub. util....	7.0	7.0	7.6
Manufacturing.....	30.8	30.2	32.9	Trade.....	22.0	22.1	21.7
<u>Wilkes-Barre-Hazleton</u> <sup>4/</sup>				Finance.....	2.3	2.2	2.2
Manufacturing.....	37.1	36.1	40.7	Service.....	11.4	11.3	11.4
<u>York</u>				Government *.....	13.5	13.5	14.4
Manufacturing.....	44.7	43.5	48.8	<u>Memphis</u>			
RHODE ISLAND				Total.....	162.6	163.5	171.0
<u>Providence</u>				Mining.....	.3	.3	.4
Total.....	277.4	272.5	294.8	Contract construction...	10.9	10.8	11.2
Contract construction...	14.2	13.8	14.4	Manufacturing.....	40.2	40.9	45.1
Manufacturing.....	132.5	128.3	152.0	Trans. and pub. util....	14.4	14.5	15.0
Trans. and pub. util....	14.2	14.2	14.7	Trade.....	48.5	48.7	50.1
Trade.....	49.0	49.4	48.8	Finance.....	7.5	7.5	7.5
Finance.....	11.8	11.6	11.4	Service.....	18.3	18.4	18.8
Service <sup>2/</sup> .....	26.5	26.1	25.2	Government.....	22.6	22.5	23.1
Government.....	29.2	29.1	28.3	<u>Nashville</u>			
SOUTH CAROLINA				Total.....	122.8	121.6	125.1
<u>Charleston</u>				Contract construction <sup>2/</sup>	10.8	10.4	11.1
Total.....	48.9	48.8	51.4	Manufacturing.....	35.1	34.3	37.0
Contract construction...	3.5	3.6	4.1	Trans. and pub. util....	12.1	12.1	12.3
Manufacturing.....	8.5	8.1	9.0	Trade.....	26.2	26.1	26.3
Trans. and pub. util....	4.3	4.1	4.7	Finance.....	7.2	7.2	7.1
Trade.....	11.4	11.4	12.2	Service.....	17.2	17.3	17.2
Finance.....	1.6	1.6	1.6	Government.....	14.3	14.4	14.2
Service <sup>2/</sup> .....	4.5	4.7	4.4	UTAH			
Government.....	15.2	15.4	15.5	<u>Salt Lake City</u>			
<u>Greenville</u>				Total.....	107.3	106.9	107.5
Manufacturing.....	27.4	27.6	29.5	Mining.....	6.1	6.1	6.4
SOUTH DAKOTA				Contract construction...	7.2	7.1	7.5
<u>Sioux Falls</u>				Manufacturing.....	16.6	16.6	16.7
Manufacturing.....	5.6	5.6	5.4	Trans. and pub. util....	12.6	12.5	12.9
Trans. and pub. util....	2.1	2.0	2.1	Trade.....	31.2	31.1	31.2
Trade.....	7.1	7.1	7.4	Finance.....	6.4	6.3	6.0
Finance.....	1.3	1.4	1.3	Service.....	13.6	13.6	13.3
Service <sup>7/</sup> .....	4.6	4.7	4.8	Government.....	13.6	13.6	13.5
TENNESSEE				VERMONT			
<u>Chattanooga</u>				<u>Burlington</u>			
Total.....	87.2	87.1	94.2	Total.....	17.2	17.1	17.8
Mining.....	.1	.1	.1	Manufacturing.....	5.3	5.1	6.3
Contract construction...	3.6	3.9	4.2	Trans. and pub. util....	1.2	1.2	1.2
Manufacturing.....	40.7	40.5	46.8	Trade.....	4.7	4.7	4.6
Trans. and pub. util....	5.2	5.3	5.4	Service.....	2.9	2.9	2.4
Trade.....	16.8	16.7	17.3	Other nonmanufacturing..	3.1	3.1	3.3
Finance.....	3.9	3.9	3.7	<u>Springfield</u>			
Service.....	9.2	9.1	9.0	Total.....	11.2	11.5	13.1
Government *.....	7.8	7.8	7.9	Manufacturing.....	6.8	7.0	8.8
<u>Knoxville</u>				Trans. and pub. util....	.6	.6	.6
Total.....	115.6	107.5	118.1	Trade.....	1.6	1.6	1.5
Mining.....	1.8	1.9	2.0	Service.....	.8	.8	.8
Contract construction...	13.8	5.9	13.0	Other nonmanufacturing..	1.5	1.6	1.5
Manufacturing.....	44.0	43.8	45.9	VIRGINIA			
				<u>Norfolk-Portsmouth</u>			
				Manufacturing.....	15.0	14.7	15.9

See footnotes at end of table.

Area Employment

**Table A-8: 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		
	1954		1953		1954		1953
	Aug.	July	Aug.		Aug.	July	Aug.
<b>VIRGINIA - Continued</b>				<b>WEST VIRGINIA</b>			
<u>Richmond</u>				<u>Charleston</u>			
Total.....	145.7	145.7	149.5	Total.....	(1/)	89.6	99.0
Mining.....	.4	.4	.4	Mining.....	(1/)	11.2	15.7
Contract construction...	10.8	10.7	10.3	Contract construction...	(1/)	4.5	5.8
Manufacturing.....	36.2	35.8	38.8	Manufacturing.....	(1/)	25.9	28.9
Trans. and pub. util....	15.0	14.9	15.5	Trans. and pub. util....	(1/)	10.4	10.6
Trade.....	35.8	36.1	36.3	Trade.....	(1/)	17.5	17.9
Finance.....	11.9	11.9	11.5	Finance.....	(1/)	2.7	2.8
Service.....	16.5	16.8	17.1	Service.....	(1/)	8.7	8.6
Government.....	19.1	19.1	19.6	Government *.....	(1/)	8.8	8.9
<b>WASHINGTON</b>				<b>Wheeling-Steubenville</b>			
<u>Seattle</u>				<u>Wheeling-Steubenville</u>			
Total.....	280.2	279.4	284.6	Total.....	(1/)	109.4	115.5
Contract construction...	13.9	13.7	14.2	Mining.....	(1/)	5.6	6.7
Manufacturing.....	77.0	76.4	80.6	Contract construction...	(1/)	4.0	4.5
Trans. and pub. util....	26.6	26.7	27.8	Manufacturing.....	(1/)	53.0	56.2
Trade.....	70.2	70.5	70.5	Trans. and pub. util....	(1/)	9.1	10.0
Finance.....	16.1	16.2	15.9	Trade.....	(1/)	18.8	19.4
Service 2/.....	36.6	36.6	36.4	Finance.....	(1/)	2.8	2.7
Government.....	39.8	39.3	39.2	Service.....	(1/)	9.4	9.6
<u>Spokane</u>				<u>Government.....</u>			
Total.....	68.6	69.5	71.9	Total.....	(1/)	6.8	6.7
Contract construction...	5.0	5.2	5.5	<b>WISCONSIN</b>			
Manufacturing.....	13.7	14.4	15.2	<u>Milwaukee</u>			
Trans. and pub. util....	8.3	8.3	9.1	Manufacturing.....	179.6	181.4	197.1
Trade.....	18.2	18.3	18.9	<u>Racine</u>			
Finance.....	3.5	3.5	3.4	Manufacturing.....	21.4	21.1	24.1
Service 2/.....	10.7	10.6	10.8	<b>WYOMING</b>			
Government.....	9.2	9.2	9.0	<u>Casper</u>			
<u>Tacoma</u>				Mining.....			
Total.....	68.3	66.7	72.1	Contract construction...	2.8	2.9	2.9
Contract construction...	4.1	3.8	4.8	Contract construction...	1.1	1.0	1.1
Manufacturing.....	15.2	14.4	17.2	Manufacturing.....	1.9	1.9	1.9
Trans. and pub. util....	6.4	6.4	7.4	Trans. and pub. util....	1.9	1.8	1.7
Trade.....	14.9	14.5	15.1	Trade.....	3.6	3.6	3.5
Finance.....	2.5	2.6	2.6	Finance.....	.4	.4	.4
Service 2/.....	8.0	7.8	8.0	Service.....	1.9	2.0	1.8
Government.....	17.2	17.2	17.0				

\* Does not conform with definitions used for national series as shown in Glossary.

1/ Not available.

2/ Includes mining.

3/ Beginning with July 1954, approximately 1,200 Howard University and Gallaudet College employees are excluded from federal government employment and included in service.

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

5/ Includes mining and finance.

6/ Subarea of New York-Northeastern New Jersey.

7/ Includes mining and government.



Table A-9: Women employees in manufacturing industries

Industry group and industry	June 1954		March 1954		June 1953	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>MANUFACTURING.....</b>	4,112.1	26	4,289.7	26	4,651.1	27
<b>DURABLE GOODS.....</b>	1,634.5	18	1,722.6	18	1,966.4	19
<b>NONDURABLE GOODS.....</b>	2,477.6	37	2,567.1	38	2,684.7	38
<b>ORDNANCE AND ACCESSORIES.....</b>	39.1	23	47.9	24	68.4	27
<b>FOOD AND KINDRED PRODUCTS.....</b>	359.8	24	339.8	24	376.5	25
Meat products.....	72.0	23	71.3	23	72.8	23
Dairy products.....	27.7	21	25.0	22	28.3	22
Canning and preserving.....	79.1	41	60.5	39	87.0	41
Grain-mill products.....	18.1	15	17.5	15	17.8	15
Bakery products.....	60.3	21	59.7	21	64.2	22
Sugar.....	3.1	11	3.0	11	3.0	11
Confectionery and related products.....	39.3	52	41.9	53	41.5	53
Beverages.....	22.0	10	20.9	10	22.3	10
Miscellaneous food products.....	38.2	27	40.0	29	39.6	27
<b>TOBACCO MANUFACTURES.....</b>	52.4	58	53.5	58	52.5	58
Cigarettes.....	13.7	43	13.8	44	13.8	44
Cigars.....	31.7	80	31.4	79	31.6	78
Tobacco and snuff.....	3.3	43	3.4	43	3.3	42
Tobacco stemming and redrying.....	3.7	34	4.9	39	3.8	33
<b>TEXTILE-MILL PRODUCTS.....</b>	464.8	43	466.4	43	531.0	44
Scouring and combing plants.....	.7	12	.8	17	1.1	15
Yarn and thread mills.....	56.7	46	57.3	46	69.7	47
Broad-woven fabric mills.....	191.8	40	193.4	40	218.3	40
Narrow fabrics and smallwares.....	16.2	56	16.0	55	17.9	56
Knitting mills.....	145.3	67	142.4	67	162.4	68
Dyeing and finishing textiles.....	19.0	22	19.1	22	20.0	22
Carpets, rugs, other floor coverings....	11.5	23	12.4	23	13.8	24
Hats (except cloth and millinery).....	5.7	39	6.0	39	6.7	39
Miscellaneous textile goods.....	17.9	29	19.0	30	21.1	31
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	858.4	77	949.0	77	937.5	77
Men's and boys' suits and coats.....	74.6	61	83.7	62	85.1	62
Men's and boys' furnishings and work clothing.....	238.8	84	251.0	84	264.9	84
Women's outerwear.....	256.2	80	305.3	78	270.5	78
Women's, children's under garments.....	93.4	87	97.3	87	99.3	87
Millinery.....	8.7	68	19.1	74	11.9	69
Children's outerwear.....	64.9	86	63.8	86	63.9	86
Fur goods.....	3.3	25	2.1	22	3.5	24
Miscellaneous apparel and accessories...	43.3	75	45.2	76	49.3	77
Other fabricated textile products.....	75.2	64	81.5	65	89.1	66
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	48.6	6	48.6	7	54.5	7
Logging camps and contractors.....	1.9	2	1.6	2	2.0	2
Sawmills and planing mills.....	14.8	4	15.4	4	16.9	4
Millwork, plywood, and prefabricated structural wood products.....	10.2	8	9.8	8	11.7	9
Wooden containers.....	11.3	19	11.2	18	12.1	18
Miscellaneous wood products.....	10.4	20	10.6	19	11.8	20

Table A-9: Women employees in manufacturing industries - Continued

Industry group and industry	June 1954		March 1954		June 1953	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>FURNITURE AND FIXTURES.....</b>	58.3	18	62.0	18	68.9	19
Household furniture.....	39.5	17	42.1	17	47.6	18
Office, public-building, and profes- sional furniture.....	5.3	13	5.6	14	6.0	14
Partitions, shelving, lockers, and fixtures.....	3.7	11	3.8	11	4.1	12
Screens, blinds, and miscellaneous furniture and fixtures.....	9.8	36	10.5	38	11.2	38
<b>PAPER AND ALLIED PRODUCTS.....</b>	119.4	23	121.1	23	126.9	24
Pulp, paper, and paperboard mills.....	28.3	11	28.9	11	29.2	11
Paperboard containers and boxes.....	41.6	29	42.6	30	46.4	31
Other paper and allied products.....	49.5	40	49.6	40	51.3	41
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	218.2	27	220.8	27	218.5	28
Newspapers.....	54.0	18	54.1	19	53.3	18
Periodicals.....	24.6	40	25.8	41	23.8	39
Books.....	23.1	46	23.6	46	23.1	46
Commercial printing.....	52.0	25	53.3	26	53.1	26
Lithographing.....	17.0	29	17.1	29	16.8	30
Greeting cards.....	13.4	66	12.1	65	13.6	68
Bookbinding and related industries.....	19.0	43	19.3	44	19.7	44
Miscellaneous publishing and printing services.....	15.1	23	15.5	23	15.1	24
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	142.0	18	143.2	18	153.9	19
Industrial inorganic chemicals.....	8.4	9	8.0	9	8.3	9
Industrial organic chemicals.....	42.9	14	43.9	15	51.2	16
Drugs and medicines.....	36.3	40	37.5	41	37.7	41
Soap, cleaning and polishing prepara- tions.....	11.7	23	11.7	23	11.7	23
Paints, pigments, and fillers.....	10.8	15	10.9	15	11.4	15
Gum and wood chemicals.....	.4	6	.5	6	.5	6
Fertilizers.....	2.1	7	2.3	5	2.0	6
Vegetable and animal oils and fats.....	3.0	8	3.1	8	3.2	8
Miscellaneous chemicals.....	26.4	30	25.3	29	27.9	31
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	15.9	6	15.4	6	15.7	6
Petroleum refining.....	12.9	6	12.5	6	12.5	6
Coke and other petroleum and coal products.....	3.0	6	2.9	6	3.2	6
<b>RUBBER PRODUCTS.....</b>	65.4	26	66.1	26	77.2	27
Tires and inner tubes.....	18.8	17	19.1	17	20.9	17
Rubber footwear.....	12.0	48	12.0	48	14.6	50
Other rubber products.....	34.6	30	35.0	29	41.7	32
<b>LEATHER AND LEATHER PRODUCTS.....</b>	181.3	50	191.8	51	195.0	50
Leather: tanned, curried, and finished..	5.5	13	5.7	13	6.1	13
Industrial leather belting and packing..	1.6	34	1.6	33	1.9	36
Boot and shoe cut stock and findings....	6.5	41	7.0	41	7.1	41
Footwear (except rubber).....	133.7	55	140.6	56	141.0	56
Luggage.....	6.9	47	6.2	46	8.1	46
Handbags and small leather goods.....	17.7	67	22.4	68	19.7	69
Gloves and miscellaneous leather goods..	9.4	57	8.3	57	11.1	60

Table A-9: Women employees in manufacturing industries - Continued

Industry group and industry	June 1954		March 1954		June 1953	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	83.2	16	85.4	17	93.1	17
Flat glass.....	1.9	7	1.8	6	2.4	8
Glass and glassware, pressed or blown...	29.2	32	29.0	32	31.3	31
Glass products made of purchased glass..	4.1	27	4.6	28	5.5	30
Cement, hydraulic.....	1.1	3	1.1	3	1.0	3
Structural clay products.....	6.1	8	6.1	8	5.5	7
Pottery and related products.....	17.1	33	18.7	34	20.4	36
Concrete, gypsum, and plaster products..	5.6	5	5.3	5	5.7	5
Cut-stone and stone products.....	.7	4	.7	4	.7	4
Miscellaneous nonmetallic mineral products.....	17.4	21	18.1	21	20.6	21
<b>PRIMARY METAL INDUSTRIES.....</b>	69.0	6	71.8	6	83.7	6
Blast furnaces, steel works, and rolling mills.....	23.2	4	23.7	4	25.8	4
Iron and steel foundries.....	9.9	5	10.3	5	13.1	5
Primary smelting and refining of nonferrous metals.....	1.7	3	1.7	3	1.8	3
Secondary smelting and refining of nonferrous metals.....	1.0	8	1.0	8	1.1	8
Rolling, drawing, and alloying of nonferrous metals.....	9.6	9	10.1	10	12.1	11
Nonferrous foundries.....	9.8	14	10.9	14	13.8	15
Miscellaneous primary metal industries..	13.8	10	14.1	10	16.0	10
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	195.1	19	205.7	19	238.4	21
Tin cans and other tinware.....	15.0	26	14.4	27	16.1	28
Cutlery, hand tools, and hardware.....	40.9	28	43.7	29	50.4	30
Heating apparatus (except electric) and plumbers' supplies.....	14.9	13	15.3	13	18.3	13
Fabricated structural metal products....	19.7	7	20.1	8	21.6	8
Metal stamping, coating, and engraving..	49.7	22	54.3	23	63.6	24
Lighting fixtures.....	13.5	31	13.8	30	16.7	33
Fabricated wire products.....	12.4	23	13.4	24	16.1	25
Miscellaneous fabricated metal products.	29.0	23	30.7	23	35.6	24
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	219.4	14	227.4	14	248.8	14
Engines and turbines.....	10.8	14	11.4	15	12.9	14
Agricultural machinery and tractors....	14.7	10	14.5	10	17.1	10
Construction and mining machinery.....	10.3	8	10.5	8	11.4	8
Metalworking machinery.....	33.1	12	35.8	12	39.0	13
Special-industry machinery (except metalworking machinery).....	19.7	11	20.6	12	21.6	11
General industrial machinery.....	30.4	13	31.7	14	33.7	14
Office and store machines and devices...	28.5	28	29.2	28	31.8	29
Service-industry and household machines.	26.2	16	27.1	15	30.8	15
Miscellaneous machinery parts.....	45.7	18	46.6	18	50.5	19
<b>ELECTRICAL MACHINERY.....</b>	408.4	38	432.6	38	509.7	41
Electrical generating, transmission, distribution, and industrial apparatus.	104.6	29	110.9	29	126.4	31
Electrical appliances.....	19.6	32	22.4	34	24.2	34
Insulated wire and cable.....	6.1	22	6.6	23	8.5	25

Table A-9: Women employees in manufacturing industries - Continued

Industry group and industry	June 1954		March 1954		June 1953	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>ELECTRICAL MACHINERY—Continued</b>						
Electrical equipment for vehicles.....	23.3	33	25.5	34	28.4	34
Electric lamps.....	19.3	70	20.1	70	20.2	71
Communication equipment.....	219.8	46	231.0	46	282.8	51
Miscellaneous electrical products.....	15.7	34	16.1	36	19.2	39
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>223.5</b>	<b>13</b>	<b>236.8</b>	<b>13</b>	<b>269.4</b>	<b>14</b>
Automobiles.....	76.2	10	83.2	11	115.0	12
Aircraft and parts.....	136.7	17	141.6	17	140.5	18
Ship and boat building and repairing....	4.6	4	4.8	4	5.1	3
Railroad equipment.....	4.7	8	6.0	9	6.9	8
Other transportation equipment.....	1.3	14	1.2	15	1.9	17
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	<b>108.4</b>	<b>36</b>	<b>116.2</b>	<b>36</b>	<b>126.8</b>	<b>38</b>
Laboratory, scientific, and engineering instruments.....	12.5	25	13.8	26	14.9	27
Mechanical measuring and controlling instruments.....	24.1	32	26.0	33	28.6	35
Optical instruments and lenses.....	4.5	33	4.6	32	5.0	33
Surgical, medical, and dental instruments	17.2	43	17.6	43	19.7	45
Ophthalmic goods.....	11.1	44	11.8	44	11.9	44
Photographic apparatus.....	19.9	30	20.5	30	21.1	31
Watches and clocks.....	19.1	54	21.9	56	25.6	57
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>	<b>181.5</b>	<b>40</b>	<b>188.2</b>	<b>40</b>	<b>204.7</b>	<b>41</b>
Jewelry, silverware, and plated ware....	20.9	41	22.3	41	22.1	42
Musical instruments and parts.....	3.5	23	3.8	23	3.9	23
Toys and sporting goods.....	36.9	45	34.5	43	44.5	46
Pens, pencils, and other office supplies	15.1	52	15.3	51	15.3	52
Costume jewelry, buttons, notions.....	32.4	52	33.3	53	35.6	54
Fabricated plastic products.....	24.0	34	25.9	35	28.4	37
Other manufacturing industries.....	48.7	33	53.1	34	54.9	34

**Table B-1: Monthly labor turnover rates in manufacturing industries,  
by class of turnover**

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total separation</b>												
1939.....	3.2	2.6	3.1	3.5	3.5	3.3	3.3	3.0	2.8	2.9	3.0	3.5
1947.....	4.9	4.5	4.9	5.2	5.4	4.7	4.6	5.3	5.9	5.0	4.0	3.7
1948.....	4.3	4.7	4.5	4.7	4.3	4.5	4.4	5.1	5.4	4.5	4.1	4.3
1949.....	4.6	4.1	4.8	4.8	5.2	4.3	3.8	4.0	4.2	4.1	4.0	3.2
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
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
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
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
1954.....	4.3	3.5	3.7	3.8	3.3	3.1	3.1	3.3				
<b>Quit</b>												
1939.....	0.9	0.6	0.8	0.8	0.7	0.7	0.7	0.8	1.1	0.9	0.8	0.7
1947.....	3.5	3.2	3.5	3.7	3.5	3.1	3.1	4.0	4.5	3.6	2.7	2.3
1948.....	2.6	2.5	2.8	3.0	2.8	2.9	2.9	3.4	3.9	2.8	2.2	1.7
1949.....	1.7	1.4	1.6	1.7	1.6	1.5	1.4	1.8	2.1	1.5	1.2	.9
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
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
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
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
1954.....	1.1	1.0	1.0	1.1	1.0	1.1	1.1	1.3				
<b>Discharge</b>												
1939.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
1947.....	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
1948.....	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	.3
1949.....	.3	.3	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2
1950.....	.2	.2	.2	.2	.3	.3	.3	.4	.4	.4	.3	.3
1951.....	.3	.3	.3	.4	.4	.4	.3	.4	.3	.4	.3	.3
1952.....	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3
1953.....	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.2
1954.....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
<b>Layoff</b>												
1939.....	2.2	1.9	2.2	2.6	2.7	2.5	2.5	2.1	1.6	1.8	2.0	2.7
1947.....	.9	.8	.9	1.0	1.4	1.1	1.0	.8	.9	.9	.8	.9
1948.....	1.2	1.7	1.2	1.2	1.1	1.1	1.0	1.2	1.0	1.2	1.4	2.2
1949.....	2.5	2.3	2.8	2.8	3.3	2.5	2.1	1.8	1.8	2.3	2.5	2.0
1950.....	1.7	1.7	1.4	1.2	1.1	.9	.6	.6	.7	.8	1.1	1.3
1951.....	1.0	.8	.8	1.0	1.2	1.0	1.3	1.4	1.3	1.4	1.7	1.5
1952.....	1.4	1.3	1.1	1.3	1.1	1.1	2.2	1.0	.7	.7	.7	1.0
1953.....	.9	.8	.8	.9	1.0	.9	1.1	1.3	1.5	1.8	2.3	2.5
1954.....	2.8	2.2	2.3	2.4	1.9	1.7	1.6	1.6				
<b>Miscellaneous, including military</b>												
1947.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1948.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1949.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1950.....	.1	.1	.1	.1	.1	.1	.2	.3	.4	.4	.3	.3
1951.....	.7	.6	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3
1952.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
1953.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2
1954.....	.3	.2	.2	.2	.2	.2	.2	.3				
<b>Total accession</b>												
1939.....	4.1	3.1	3.3	2.9	3.3	3.9	4.2	5.1	6.2	5.9	4.1	2.8
1947.....	6.0	5.0	5.1	5.1	4.8	5.5	4.9	5.3	5.9	5.5	4.8	3.6
1948.....	4.6	3.9	4.0	4.0	4.1	5.7	4.7	5.0	5.1	4.5	3.9	2.7
1949.....	3.2	2.9	3.0	2.9	3.5	4.4	3.5	4.4	4.1	3.7	3.3	3.2
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
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
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
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
1954.....	2.8	2.5	2.8	2.4	2.7	3.5	2.9	3.3				

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

(Per 100 employees)

Industry group and industry	Separation										Total accession	
	Total		Quit		Discharge		Layoff		Misc., incl. military		Aug. 1954	July 1954
	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954		
<b>MANUFACTURING.....</b>	3.3	3.1	1.3	1.1	0.2	0.2	1.6	1.6	0.3	0.2	3.3	2.9
Durable Goods.....	3.4	3.3	1.2	1.0	.2	.2	1.7	1.9	.3	.2	3.3	2.8
Nondurable Goods.....	3.2	2.8	1.5	1.3	.2	.2	1.2	1.2	.2	.1	3.2	3.1
<b>ORDNANCE AND ACCESSORIES.....</b>	3.4	2.8	1.0	.9	.2	.2	2.1	1.6	.1	.1	1.7	2.0
<b>FOOD AND KINDRED PRODUCTS.....</b>	4.8	3.7	1.6	1.3	.4	.3	2.7	1.9	.1	.2	4.1	4.3
Meat products.....	4.7	4.1	1.3	.8	.2	.3	3.0	2.7	.2	.2	4.7	4.9
Grain-mill products.....	4.4	3.0	1.5	1.3	.8	.4	2.0	1.2	.2	.1	2.5	5.1
Bakery products.....	3.4	3.3	2.0	2.0	.6	.5	.7	.6	.1	.1	3.3	3.5
Beverages:												
Malt liquors.....	6.7	3.8	.9	.7	.1	.2	5.6	2.8	.1	.2	2.1	3.3
<b>TOBACCO MANUFACTURES.....</b>	1.8	2.0	1.5	1.5	.1	.2	.1	.1	.1	.2	2.6	3.4
Cigarettes.....	1.9	1.7	1.4	1.3	.1	.2	.1	.1	.2	.1	2.2	3.9
Cigars.....	1.8	2.3	1.6	1.9	(1/)	.1	.2	.1	.1	.2	3.1	3.1
Tobacco and snuff.....	1.5	1.6	1.0	.6	.1	.1	.1	.3	.3	.6	1.1	2.6
<b>TEXTILE-MILL PRODUCTS.....</b>	3.3	3.1	1.6	1.3	.2	.2	1.3	1.5	.3	.3	3.5	3.2
Yarn and thread mills.....	3.9	3.1	1.7	1.5	.1	.2	2.0	1.3	.1	.1	4.4	3.9
Broad-woven fabric mills.....	2.9	3.2	1.5	1.3	.2	.2	.9	1.4	.2	.3	3.2	3.5
Cotton, silk, synthetic fiber.....	2.6	3.1	1.5	1.3	.2	.2	.6	1.3	.2	.3	3.2	3.4
Woolen and worsted.....	(2/)	4.7	(2/)	1.2	(2/)	.3	(2/)	2.8	(2/)	.5	(2/)	4.9
Knitting mills.....	(2/)	2.7	(2/)	1.6	(2/)	.2	(2/)	.8	(2/)	.1	(2/)	3.3
Full-fashioned hosiery.....	(2/)	2.3	(2/)	1.3	(2/)	.1	(2/)	.9	(2/)	.1	(2/)	2.0
Seamless hosiery.....	(2/)	2.9	(2/)	1.6	(2/)	.1	(2/)	.9	(2/)	.3	(2/)	2.9
Knit underwear.....	(2/)	2.7	(2/)	2.0	(2/)	.1	(2/)	.6	(2/)	(1/)	(2/)	4.1
Dyeing and finishing textiles.....	2.2	2.6	.8	.7	.1	.1	1.1	1.6	.3	.2	3.0	1.9
Carpets, rugs, other floor coverings..	2.9	5.5	.9	.5	.1	.1	1.7	4.5	.2	.3	2.7	2.3
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	3.0	3.6	2.0	2.3	.1	.1	.8	1.0	.1	.1	4.8	3.8
Men's and boys' suits and coats.....	3.4	3.5	1.7	1.8	(1/)	.1	1.7	1.1	.1	.4	2.9	3.2
Men's and boys' furnishings and work clothing.....	2.9	3.9	2.4	2.5	.1	.1	.2	1.2	.1	.1	4.4	4.5
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	4.6	4.3	2.6	2.2	.3	.2	1.5	1.5	.3	.3	4.3	4.7
Logging camps and contractors.....	(2/)	6.1	(2/)	4.7	(2/)	.1	(2/)	1.1	(2/)	.3	(2/)	5.6
Sawmills and planing mills.....	4.2	3.7	2.5	1.8	.3	.3	1.2	1.4	.2	.2	2.5	4.0
Millwork, plywood, and prefabricated structural wood products.....	2.3	1.8	1.6	1.2	.1	.1	.5	.2	.2	.1	7.0	5.0
<b>FURNITURE AND FIXTURES.....</b>	2.9	2.7	1.8	1.4	.4	.2	.5	.9	.1	.2	4.5	5.2
Household furniture.....	3.1	3.1	1.9	1.5	.5	.3	.5	1.1	.2	.2	5.2	5.8
Other furniture and fixtures.....	2.4	2.0	1.6	1.2	.3	.2	.5	.3	(1/)	.2	2.9	3.8
<b>PAPER AND ALLIED PRODUCTS.....</b>	2.8	2.4	1.4	1.0	.2	.2	.8	.9	.3	.2	2.5	2.3
Pulp, paper, and paperboard mills.....	1.9	1.6	1.1	.7	.2	.1	.3	.6	.4	.2	1.7	2.2
Paperboard containers and boxes.....	3.1	2.3	2.1	1.3	.5	.3	.4	.5	.2	.2	3.8	2.8

See footnotes at end of table.

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

(Per 100 employees)

Industry group and industry	Separation										Total	
	Total		Quit		Discharge		Layoff		Misc., incl. military		accession	
	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	1.7	1.4	0.9	0.6	0.1	0.1	0.5	0.6	0.2	0.1	1.6	1.5
Industrial inorganic chemicals.....	1.6	1.7	.8	.8	.1	.1	.3	.6	.4	.3	1.4	1.7
Industrial organic chemicals.....	1.9	1.5	.7	.3	.1	.1	.9	.9	.1	.1	1.7	1.3
Synthetic fibers.....	(2/)	2.5	(2/)	.3	(2/)	(1/)	(2/)	2.0	(2/)	.1	(2/)	1.5
Drugs and medicines.....	1.1	1.0	.8	.8	(1/)	.1	(1/)	.1	.2	.1	1.0	1.8
Paints, pigments, and fillers.....	1.8	1.0	1.4	.6	.2	.1	.1	.1	.1	.2	1.6	1.7
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	1.3	.9	.7	.3	.1	(1/)	.3	.3	.3	.2	.7	.9
Petroleum refining.....	1.0	.7	.5	.2	(1/)	(1/)	.3	.3	.2	.2	.4	.6
<b>RUBBER PRODUCTS.....</b>	2.7	2.2	1.2	.7	.2	.1	1.1	1.2	.2	.2	3.0	2.2
Tires and inner tubes.....	2.0	1.1	.9	.4	.1	.1	.7	.4	.2	.2	1.7	1.5
Rubber footwear.....	1.8	1.6	1.1	1.2	.1	.1	.4	.2	.1	.1	2.8	3.5
Other rubber products.....	3.5	3.2	1.4	.8	.2	.1	1.6	2.1	.2	.1	4.2	2.5
<b>LEATHER AND LEATHER PRODUCTS.....</b>	3.6	3.1	2.1	1.8	.3	.2	1.1	.9	.1	.1	2.8	4.0
Leather.....	5.4	3.3	.7	1.0	.1	.1	4.4	2.0	.2	.2	1.6	3.1
Footwear (except rubber).....	3.3	3.0	2.4	2.0	.3	.2	.5	.7	.1	.2	3.0	4.2
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	2.6	2.7	.9	.8	.1	.1	1.3	1.6	.2	.2	3.6	2.8
Glass and glass products.....	3.3	4.7	.8	.7	.1	.1	2.1	3.7	.3	.2	4.8	3.7
Cement, hydraulic.....	1.5	1.7	1.0	.8	.2	.2	(1/)	.2	.3	.3	1.4	1.9
Structural clay products.....	3.1	2.1	1.1	1.1	.1	.2	1.7	.6	.2	.2	3.8	3.3
Pottery and related products.....	1.7	1.2	1.3	.7	.1	.1	.2	.3	(1/)	.1	2.9	2.3
<b>PRIMARY METAL INDUSTRIES.....</b>	2.8	2.2	.7	.6	.1	.1	1.6	1.3	.2	.2	2.2	1.9
Blast furnaces, steel works, and rolling mills.....	2.5	1.6	.6	.5	.1	(1/)	1.5	.9	.2	.1	1.7	1.5
Iron and steel foundries.....	3.2	2.8	1.0	.8	.2	.2	1.7	1.6	.2	.2	3.0	2.2
Gray-iron foundries.....	3.2	3.2	1.1	.9	.2	.2	1.7	1.8	.3	.2	3.2	2.6
Malleable-iron foundries.....	4.1	2.7	1.6	1.1	.3	.1	2.0	1.3	.2	.2	3.9	2.2
Steel foundries.....	2.7	2.4	.6	.6	.2	.2	1.7	1.4	.2	.1	2.5	1.7
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	1.5	1.4	.9	.4	.2	.2	.2	.6	.3	.1	2.4	2.7
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	1.1	1.5	.4	.4	.1	.1	.3	.8	.2	.2	1.4	1.0
Nonferrous foundries.....	5.6	5.1	.9	.9	.2	.3	4.1	3.5	.4	.4	4.9	3.7
Other primary metal industries:												
Iron and steel forgings.....	3.8	2.7	.4	.7	.2	.1	3.0	1.8	.2	.1	1.1	2.8
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	4.3	3.9	1.2	.9	.3	.2	2.5	2.5	.3	.2	4.0	2.8
Cutlery, hand tools, and hardware.....	2.3	3.0	1.0	.9	.2	.1	.8	1.6	.2	.2	4.1	2.0
Cutlery and edge tools.....	1.0	3.1	.6	.7	.1	.3	.3	2.0	(1/)	.1	4.8	1.9
Hand tools.....	1.6	1.9	.8	.5	.1	.1	.6	1.0	.1	.2	1.1	1.2
Hardware.....	2.7	3.4	1.2	1.2	.2	.1	1.0	1.7	.3	.3	4.7	2.3

See footnotes at end of table.

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

(Per 100 employees)

Industry group and industry	Separation										Total accession		
	Total		Quit		Discharge		Layoff		Misc., incl. military		Aug. 1954	July 1954	
	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954			
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)-Continued</b>													
Heating apparatus (except electric) and plumbers' supplies.....	4.0	3.3	1.8	1.1	0.6	0.5	1.3	1.3	0.2	0.3	5.1	4.6	
Sanitary ware and plumbers' supplies.....	3.1	2.9	1.3	1.0	.2	.6	.9	1.2	.2	.1	5.3	5.2	
Oilburners, nonelectric heating and cooking apparatus, not elsewhere classified.....	4.6	3.7	2.2	1.2	.6	.5	1.6	1.4	.2	.5	5.0	4.3	
Fabricated structural metal products.....	3.8	2.7	1.3	.9	.3	.2	2.0	1.3	.3	.2	2.8	2.3	
Metal stamping, coating, and engraving.....	7.0	7.1	1.0	.9	.1	.1	5.3	5.7	.5	.4	5.3	3.9	
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	3.0	3.0	.9	.7	.2	.2	1.6	1.8	.2	.2	2.1	1.7	
Engines and turbines.....	2.2	2.7	.9	.7	.1	.1	1.0	1.7	.2	.3	2.0	1.9	
Agricultural machinery and tractors..	5.0	5.1	.7	.7	.2	.1	3.6	3.9	.5	.4	2.9	1.8	
Construction and mining machinery....	2.9	2.2	1.0	.9	.2	.1	1.5	1.0	.2	.2	2.0	1.9	
Metalworking machinery.....	3.7	3.0	1.0	.7	.1	.1	2.4	1.9	.2	.2	1.4	1.0	
Machine tools.....	4.1	2.4	.8	.6	.1	.1	3.1	1.5	.1	.3	1.1	.8	
Metalworking machinery (except machine tools).....	2.4	3.6	1.1	1.1	.1	.1	.9	2.3	.2	.1	1.6	.9	
Machine-tool accessories.....	4.4	4.1	1.2	.9	.2	.2	2.8	2.7	.2	.3	1.8	1.5	
Special-industry machinery (except metalworking machinery).....	2.8	2.7	1.0	.9	.3	.2	1.4	1.3	.2	.2	1.7	1.5	
General industrial machinery.....	2.2	2.3	.8	.6	.1	.1	1.1	1.3	.1	.2	1.9	2.0	
Office and store machines and devices.....	1.7	2.6	1.1	.8	.1	.1	.3	1.4	.1	.2	3.6	1.6	
Service-industry and household machines.....	3.0	4.5	1.1	.7	.1	.3	1.6	3.1	.1	.3	3.0	2.3	
Miscellaneous machinery parts.....	2.4	1.7	.9	.6	.2	.1	1.2	.7	.1	.2	1.7	1.5	
<b>ELECTRICAL MACHINERY.....</b>	3.2	2.3	1.5	.9	.2	.1	1.2	1.0	.4	.2	4.1	2.6	
Electrical generating, transmission, distribution, and industrial apparatus.....	2.7	2.0	.7	.6	.1	.1	1.6	1.0	.2	.3	1.9	1.4	
Communication equipment.....	(2/)	2.0	(2/)	1.1	(2/)	.2	(2/)	.6	(2/)	.1	(2/)	2.8	
Radios, phonographs, television sets, and equipment.....	3.5	2.1	1.7	1.2	.3	.2	1.0	.6	.6	.2	6.0	3.7	
Telephone, telegraph, and related equipment.....	(2/)	1.6	(2/)	.6	(2/)	.1	(2/)	.7	(2/)	.3	(2/)	.5	
Electrical appliances, lamps, and miscellaneous products.....	3.0	3.2	1.1	.9	.3	.2	1.3	1.9	.3	.2	5.1	4.0	
<b>TRANSPORTATION EQUIPMENT.....</b>	(2/)	4.7	(2/)	1.0	(2/)	.2	(2/)	3.3	(2/)	.3	(2/)	3.2	
Automobiles.....	(2/)	5.0	(2/)	.7	(2/)	.1	(2/)	3.8	(2/)	.4	(2/)	2.7	
Aircraft and parts.....	2.4	2.7	1.4	1.2	.2	.2	.7	1.1	.2	.2	2.4	2.4	
Aircraft.....	2.2	2.2	1.5	1.4	.2	.2	.4	.5	.1	.1	2.2	2.6	
Aircraft engines and parts.....	2.9	4.3	1.0	.9	.2	.2	1.4	3.0	.2	.3	2.5	1.5	
Aircraft propellers and parts.....	4.0	2.6	1.4	.7	.2	.1	2.2	1.6	.2	.1	1.0	.8	
Other aircraft parts and equipment..	2.7	3.5	1.6	1.2	.3	.3	.6	1.9	.2	.2	4.9	2.8	

See footnotes at end of table.



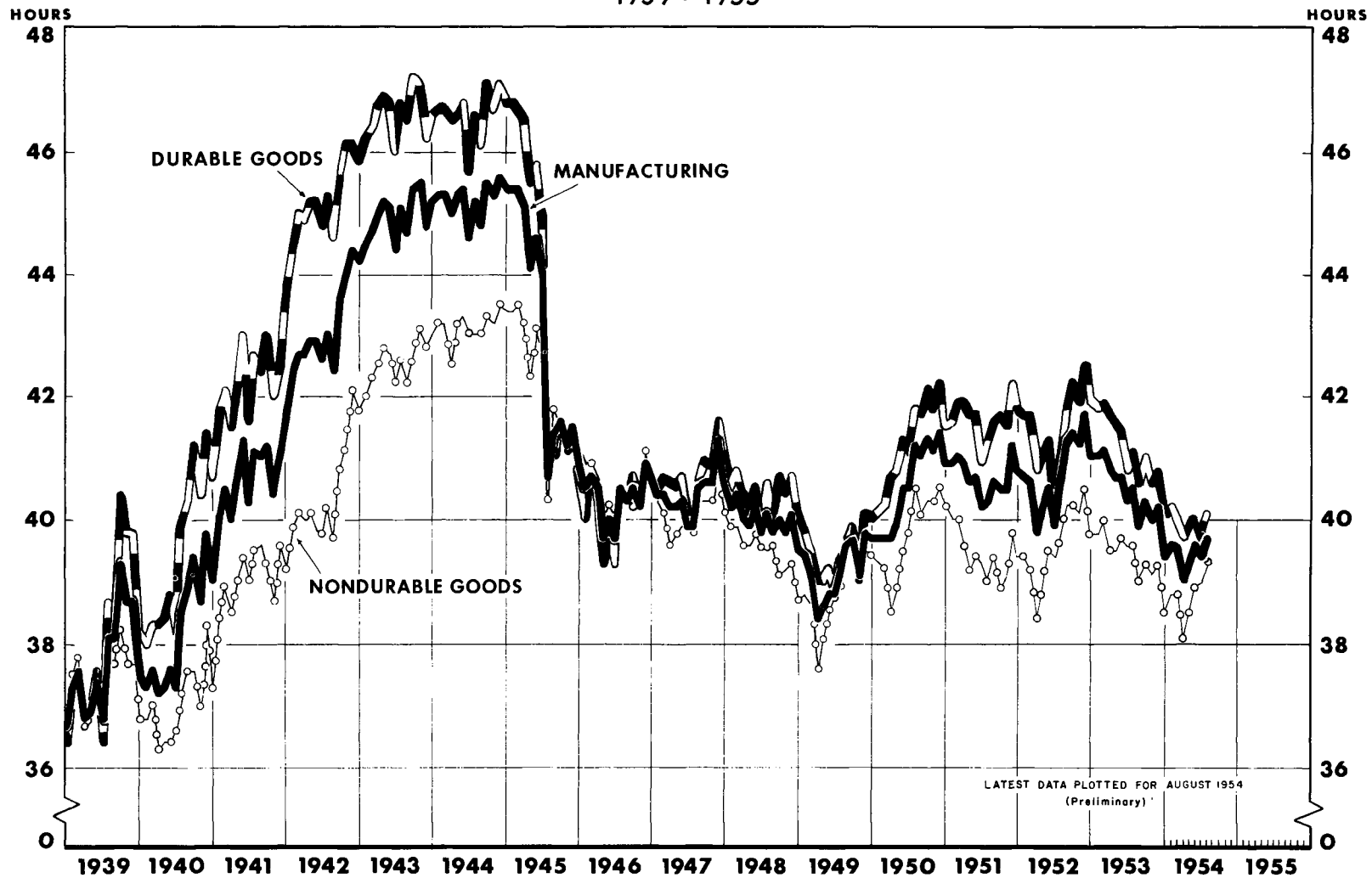
**Table B-2: Monthly labor turnover rates in selected groups and industries - Continued**

(Per 100 employees)

Industry group and industry	Separation										Total accession	
	Total		Quit		Discharge		Layoff		Misc., incl. military		Aug. 1954	July 1954
	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954	Aug. 1954	July 1954		
<b>TRANSPORTATION EQUIPMENT-Continued</b>												
Ship and boat building and repairing.....	10.7	12.9	1.6	1.7	0.3	0.6	8.5	10.5	0.3	0.1	10.1	10.7
Railroad equipment.....	3.8	7.9	.7	.6	.1	.2	2.4	6.6	.5	.4	4.4	3.1
Locomotives and parts.....	(2/)	6.7	(2/)	.4	(2/)	.2	(2/)	5.7	(2/)	.4	(2/)	1.9
Railroad and street cars.....	2.4	8.6	1.0	.8	.2	.2	.9	7.2	.3	.4	6.0	4.0
Other transportation equipment.....	2.3	2.0	1.3	1.8	(1/)	(1/)	.9	.2	(1/)	(1/)	2.4	7.3
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>												
Photographic apparatus.....	1.8	1.7	.7	.7	.1	.1	.8	.8	.3	.1	1.5	1.7
Watches and clocks.....	1.0	1.2	.5	.5	(1/)	(1/)	.4	.5	.2	.2	.8	2.7
Professional and scientific instruments.....	3.0	2.5	.7	.7	.1	.1	2.0	1.5	.1	.1	3.3	3.1
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>												
Jewelry, silverware, and plated ware.....	1.7	1.8	.8	.7	.1	.1	.6	.8	.3	.1	1.6	1.3
	4.0	3.7	1.5	1.6	.2	.2	2.0	1.6	.2	.2	3.7	3.7
	2.1	2.1	1.6	1.3	.3	.2	.2	.5	(1/)	.1	2.6	1.9
<b>NONMANUFACTURING:</b>												
<b>METAL MINING.....</b>												
Iron mining.....	5.1	3.1	2.0	2.0	.3	.4	2.5	.5	.3	.3	2.7	2.8
Copper mining.....	7.3	1.6	.3	.4	(1/)	(1/)	6.9	1.1	.2	.1	.8	.8
Lead and zinc mining.....	3.3	3.6	2.6	2.9	.2	.2	.3	.2	.3	.3	2.4	2.8
	2.2	2.3	1.3	1.3	.1	.2	.3	.2	.5	.5	2.0	2.7
<b>ANTHRACITE MINING.....</b>												
	1.2	1.7	.6	.6	(1/)	(1/)	.4	.9	.2	.2	1.1	1.5
<b>BITUMINOUS-COAL MINING.....</b>												
	4.1	3.1	.5	.4	.1	(1/)	3.4	2.4	.1	.1	2.8	1.5
<b>COMMUNICATION:</b>												
Telephone.....	(2/)	1.5	(2/)	1.2	(2/)	.1	(2/)	.1	(2/)	.1	(2/)	1.8
Telegraph.....	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)	(2/)

1/ Less than 0.05.  
2/ Not available.

# AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN MANUFACTURING INDUSTRIES 1939 - 1955



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>MINING:</b>									
<b>METAL MINING.....</b>	\$85.49	\$83.63	\$92.19	41.5	40.4	43.9	\$2.06	\$2.07	\$2.10
Iron mining.....	85.67	83.82	98.99	39.3	38.1	43.8	2.18	2.20	2.26
Copper mining.....	84.77	83.03	93.32	42.6	40.5	46.2	1.99	2.05	2.02
Lead and zinc mining.....	75.39	74.19	79.90	40.1	40.1	41.4	1.88	1.85	1.93
<b>ANTHRACITE.....</b>	82.50	73.58	61.49	33.0	29.2	25.2	2.50	2.52	2.44
<b>BITUMINOUS-COAL.....</b>	82.00	75.39	92.88	33.2	30.4	37.3	2.47	2.48	2.49
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:</b>									
Petroleum and natural-gas production (except contract services).....	93.98	92.57	93.83	41.4	40.6	41.7	2.27	2.28	2.25
<b>NONMETALLIC MINING AND QUARRYING.....</b>	79.83	80.46	79.41	45.1	45.2	45.9	1.77	1.78	1.73
<b>CONTRACT CONSTRUCTION.....</b>									
<b>NONBUILDING CONSTRUCTION.....</b>	97.63	97.29	96.05	41.9	42.3	42.5	2.33	2.30	2.26
Highway and street.....	92.87	95.26	92.42	42.6	43.9	43.8	2.18	2.17	2.11
Other nonbuilding construction.....	101.35	99.39	98.95	41.2	40.9	41.4	2.46	2.43	2.39
<b>BUILDING CONSTRUCTION.....</b>	95.57	95.20	93.62	36.9	36.9	37.6	2.59	2.58	2.49
<b>GENERAL CONTRACTORS.....</b>	90.28	89.55	89.68	36.7	36.7	38.0	2.46	2.44	2.36
<b>SPECIAL-TRADE CONTRACTORS.....</b>	99.53	99.80	96.98	37.0	37.1	37.3	2.69	2.69	2.60
Plumbing and heating.....	103.14	103.14	98.68	38.2	38.2	38.1	2.70	2.70	2.59
Painting and decorating.....	92.31	92.39	89.06	35.1	35.4	35.2	2.63	2.61	2.53
Electrical work.....	113.88	112.40	112.29	39.0	38.1	39.4	2.92	2.95	2.85
Other special-trade contractors.....	95.73	96.15	93.84	36.4	36.7	36.8	2.63	2.62	2.55
<b>MANUFACTURING.....</b>									
<b>DURABLE GOODS.....</b>	76.59	75.83	77.27	40.1	39.7	41.1	1.91	1.91	1.88
<b>NONDURABLE GOODS.....</b>	64.45	64.74	63.76	39.3	39.0	39.6	1.64	1.66	1.61
<b>ORDNANCE AND ACCESSORIES.....</b>	80.20	79.80	78.12	40.1	40.1	40.9	2.00	1.99	1.91
<b>FOOD AND KINDRED PRODUCTS.....</b>									
Meat products.....	67.30	77.98	72.67	40.8	41.7	40.6	1.87	1.87	1.79
Meat packing, wholesale.....	78.94	81.09	75.33	40.9	41.8	40.5	1.93	1.94	1.86
Sausages and casings.....	77.15	77.83	74.03	41.7	42.3	42.3	1.85	1.84	1.75
Dairy products.....	69.71	71.81	68.51	43.3	44.6	44.2	1.61	1.61	1.55
Condensed and evaporated milk.....	70.96	74.08	69.92	45.2	46.3	46.0	1.57	1.60	1.52
Ice cream and ices.....	70.98	74.26	68.85	42.5	44.2	43.3	1.67	1.68	1.59
Canning and preserving.....	56.84	54.77	54.14	40.6	39.4	40.1	1.40	1.39	1.35
Sea food, canned and cured.....	45.15	56.36	50.38	30.3	36.6	32.5	1.49	1.54	1.55
Canned fruits, vegetables, and soups.....	59.08	54.94	55.35	41.9	40.1	41.0	1.41	1.37	1.35
Grain-mill products.....	74.15	76.73	72.21	44.4	45.4	44.3	1.67	1.69	1.63
Flour and other grain-mill products..	79.47	81.35	77.74	44.9	45.7	45.2	1.77	1.78	1.72
Prepared feeds.....	71.44	72.85	69.45	45.5	46.4	45.1	1.57	1.57	1.54
Bakery products.....	67.73	68.64	65.41	40.8	41.1	41.4	1.66	1.67	1.58
Bread and other bakery products.....	69.63	70.21	66.82	41.2	41.3	41.5	1.69	1.70	1.61
Biscuits, crackers, and pretzels....	61.07	61.75	59.31	39.4	40.1	40.9	1.55	1.54	1.45
Sugar.....	71.75	72.57	69.70	41.0	41.0	41.0	1.75	1.77	1.70
Cane-sugar refining.....	75.44	77.15	73.50	41.0	41.7	42.0	1.84	1.85	1.75
Beet sugar.....	72.16	70.80	68.02	41.0	40.0	38.0	1.76	1.77	1.79
Confectionery and related products....	54.71	54.91	54.37	38.8	38.4	39.4	1.41	1.43	1.38
Confectionery.....	52.77	51.79	52.14	38.8	37.8	39.2	1.36	1.37	1.33
Beverages.....	79.17	82.17	79.19	40.6	41.5	41.9	1.95	1.98	1.89
Bottled soft drinks.....	62.03	63.94	61.35	42.2	43.2	42.9	1.47	1.48	1.43
Malt liquors.....	93.26	97.00	93.68	40.2	41.1	42.2	2.32	2.36	2.22
Distilled, rectified, and blended liquors.....	73.73	75.66	72.94	38.4	39.2	38.8	1.92	1.93	1.88

See footnotes at end of table.

# Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>FOOD AND KINDRED PRODUCTS-Continued</b>									
Miscellaneous food products.....	\$66.99	\$66.10	\$63.57	42.4	42.1	42.1	\$1.58	\$1.57	\$1.51
Corn sirup, sugar, oil, and starch.....	90.29	84.74	80.56	45.6	42.8	42.4	1.98	1.98	1.90
Manufactured ice.....	66.83	67.45	65.55	47.4	47.5	47.5	1.41	1.42	1.38
<b>TOBACCO MANUFACTURES.....</b>									
Cigarettes.....	49.54	51.54	47.46	38.4	37.9	38.9	1.29	1.36	1.22
Cigars.....	68.30	67.32	62.68	41.9	41.3	40.7	1.63	1.63	1.54
Tobacco and snuff.....	42.90	41.86	42.60	37.3	36.4	37.7	1.15	1.15	1.13
Tobacco stemming and redrying.....	54.85	51.97	52.25	38.9	36.6	38.7	1.41	1.42	1.35
	37.65	42.12	39.19	36.2	35.1	38.8	1.04	1.20	1.01
<b>TEXTILE-MILL PRODUCTS.....</b>									
Scouring and combing plants.....	52.36	51.41	53.04	38.5	37.8	39.0	1.36	1.36	1.36
Yarn and thread mills.....	62.78	65.51	63.12	41.3	43.1	39.7	1.52	1.52	1.59
Yarn mills.....	46.50	45.88	48.51	37.5	37.0	38.2	1.24	1.24	1.27
Thread mills.....	46.25	45.51	48.26	37.3	36.7	38.0	1.24	1.24	1.27
Broad-woven fabric mills.....	49.28	48.01	49.40	38.5	37.8	38.9	1.28	1.27	1.27
Cotton, silk, synthetic fiber.....	50.69	49.52	52.14	38.4	37.8	39.2	1.32	1.31	1.33
North.....	49.15	47.87	50.57	38.1	37.4	39.2	1.29	1.28	1.29
South.....	54.43	54.14	56.26	38.6	38.4	39.9	1.41	1.41	1.41
Woolen and worsted.....	47.88	46.50	49.14	38.0	37.2	39.0	1.26	1.25	1.26
Narrow fabrics and smallwares.....	60.70	60.65	61.23	40.2	39.9	39.5	1.51	1.52	1.55
Knitting mills.....	53.84	53.68	53.54	39.3	38.9	38.8	1.37	1.38	1.38
Full-fashioned hosiery.....	48.88	47.58	48.63	37.6	36.6	37.7	1.30	1.30	1.29
North.....	54.46	52.98	55.72	36.8	35.8	36.9	1.48	1.48	1.51
South.....	53.64	54.81	55.42	36.0	36.3	36.7	1.49	1.51	1.51
Seamless hosiery.....	54.68	51.83	56.02	37.2	35.5	37.1	1.47	1.46	1.51
North.....	41.78	39.74	39.85	37.3	35.8	36.9	1.12	1.11	1.08
South.....	44.46	43.88	44.11	38.0	37.5	37.7	1.17	1.17	1.17
Knit outerwear.....	41.29	39.05	38.90	37.2	35.5	36.7	1.11	1.10	1.06
Knit underwear.....	52.06	52.03	52.65	38.0	37.7	39.0	1.37	1.38	1.35
Dyeing and finishing textiles.....	44.88	44.53	44.96	37.4	36.8	38.1	1.20	1.21	1.18
Dyeing and finishing textiles (except wool).....	61.16	60.00	59.90	40.5	40.0	40.2	1.51	1.50	1.49
Carpets, rugs, other floor coverings....	60.90	59.60	59.79	40.6	40.0	40.4	1.50	1.49	1.48
Wool carpets, rugs, and carpet yarn.....	71.23	69.13	69.89	40.7	39.5	40.4	1.75	1.75	1.73
Hats (except cloth and millinery).....	67.03	65.97	67.64	39.2	37.9	39.1	1.71	1.73	1.73
Miscellaneous textile goods.....	59.06	53.76	60.68	38.1	35.6	38.9	1.55	1.51	1.56
Felt goods (except woven felts and hats).....	61.85	61.70	62.68	39.9	39.3	40.7	1.55	1.57	1.54
Lace goods.....	69.65	69.83	68.34	39.8	39.9	40.2	1.75	1.75	1.70
Paddings and upholstery filling.....	61.05	60.39	62.81	37.0	36.6	38.3	1.65	1.65	1.64
Processed waste and recovered fibers... other coated fabrics.....	65.51	67.60	65.93	39.7	40.0	40.7	1.65	1.69	1.62
Artificial leather, oilcloth, and Cordage and twine.....	50.68	52.03	51.73	41.2	42.3	42.4	1.23	1.23	1.22
	77.83	74.03	80.36	43.0	40.9	44.4	1.81	1.81	1.81
	53.72	52.88	53.99	39.5	38.6	39.7	1.36	1.37	1.36
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>									
Men's and boys' suits and coats.....	48.78	47.17	49.78	36.4	35.2	36.6	1.34	1.34	1.36
Men's and boys' furnishings and work clothing.....	57.35	56.80	60.59	35.4	35.5	37.4	1.62	1.60	1.62
Shirts, collars, and nightwear.....	41.55	39.76	41.78	37.1	35.5	37.3	1.12	1.12	1.12
Separate trousers.....	41.58	39.55	41.55	36.8	35.0	37.1	1.13	1.13	1.12
Work shirts.....	43.20	41.77	44.89	36.3	35.7	37.1	1.19	1.17	1.21
Women's outerwear.....	34.88	33.37	35.24	37.5	35.5	38.3	.93	.94	.92
Women's dresses.....	52.90	50.81	54.72	35.5	34.1	35.3	1.49	1.49	1.55
Household apparel.....	52.35	48.67	53.45	36.1	33.8	35.4	1.45	1.44	1.51
Women's suits, coats, and skirts.....	38.66	37.66	38.31	35.8	35.2	35.8	1.08	1.07	1.07
Women's, children's under garments.....	67.18	66.44	68.74	34.1	33.9	34.2	1.97	1.96	2.01
Underwear and nightwear, except corsets.....	44.04	42.24	43.79	36.4	35.2	36.8	1.21	1.20	1.19
Corsets and allied garments.....	41.13	39.78	41.10	36.4	35.2	36.7	1.13	1.13	1.12
Millinery.....	48.05	45.89	47.97	36.4	35.3	36.9	1.32	1.30	1.30
Children's outerwear.....	59.09	55.71	64.51	36.7	34.6	38.4	1.61	1.61	1.68
	45.99	45.38	45.50	37.7	37.2	36.4	1.22	1.22	1.25

See footnotes at end of table.

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS-Continued</b>									
Miscellaneous apparel and accessories...	\$44.04	\$42.12	\$45.25	36.4	35.1	37.4	\$1.21	\$1.20	\$1.21
Other fabricated textile products.....	47.50	46.85	47.88	37.4	36.6	37.7	1.27	1.28	1.27
Curtains, draperies, and other housefurnishings.....	42.41	41.29	42.56	37.2	35.9	38.0	1.14	1.15	1.12
Textile bags.....	52.90	50.79	50.30	38.9	37.9	38.4	1.36	1.34	1.31
Canvas products.....	51.61	52.27	50.30	39.1	39.3	38.4	1.32	1.33	1.31
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)</b>									
Logging camps and contractors.....	66.04	63.24	66.91	41.8	40.8	40.8	1.58	1.55	1.64
Sawmills and planing mills.....	68.56	63.00	78.17	39.4	37.5	38.7	1.74	1.68	2.02
Sawmills and planing mills, general....	67.73	64.64	67.40	42.6	41.7	41.1	1.59	1.55	1.64
South.....	68.32	65.21	68.23	42.7	41.8	41.1	1.60	1.56	1.66
West.....	45.89	45.15	44.30	43.7	43.0	42.6	1.05	1.05	1.04
Millwork, plywood, and prefabricated structural wood products.....	88.98	85.69	86.33	39.9	38.6	39.6	2.23	2.22	2.18
Millwork.....	72.50	69.72	68.15	42.9	41.5	41.3	1.69	1.68	1.65
Plywood.....	72.41	70.90	68.55	43.1	42.2	41.8	1.68	1.68	1.64
Wooden containers.....	69.93	66.50	69.05	42.9	40.8	41.1	1.63	1.63	1.68
Wooden boxes, other than cigar.....	48.98	49.48	50.78	39.5	39.9	40.3	1.24	1.24	1.26
Miscellaneous wood products.....	47.95	49.20	50.10	39.3	40.0	40.4	1.22	1.23	1.24
Miscellaneous wood products.....	54.54	53.07	55.59	40.7	39.9	41.8	1.34	1.33	1.33
<b>FURNITURE AND FIXTURES</b>									
Household furniture.....	63.59	62.02	62.99	40.5	39.5	40.9	1.57	1.57	1.54
Wood household furniture, except upholstered.....	61.00	59.04	60.38	40.4	39.1	40.8	1.51	1.51	1.48
Wood household furniture, upholstered..	54.68	52.92	55.89	40.5	39.2	41.4	1.35	1.35	1.35
Mattresses and bedsprings.....	65.11	62.10	63.84	39.7	38.1	39.9	1.64	1.63	1.60
Office, public-building, and professional furniture.....	69.55	67.70	67.40	41.4	40.3	40.6	1.68	1.68	1.66
Wood office furniture.....	72.91	69.66	70.38	41.9	40.5	41.4	1.74	1.72	1.70
Metal office furniture.....	61.24	58.84	62.73	41.1	40.3	41.0	1.49	1.46	1.53
Partitions, shelving, lockers, and fixtures.....	77.79	75.64	68.81	40.1	39.6	37.6	1.94	1.91	1.83
Screens, blinds, and miscellaneous furniture and fixtures.....	74.66	73.90	74.93	39.5	39.1	41.4	1.89	1.89	1.81
Screens, blinds, and miscellaneous furniture and fixtures.....	65.10	64.90	61.27	41.2	41.6	41.4	1.58	1.56	1.48
<b>PAPER AND ALLIED PRODUCTS</b>									
Pulp, paper, and paperboard mills.....	74.80	74.62	73.61	42.5	42.4	43.3	1.76	1.76	1.70
Paperboard containers and boxes.....	81.10	81.47	79.92	43.6	43.8	44.4	1.86	1.86	1.80
Paperboard boxes.....	70.39	69.05	69.17	41.9	41.1	42.7	1.68	1.68	1.62
Fiber cans, tubes, and drums.....	70.31	68.39	68.75	42.1	41.2	42.7	1.67	1.66	1.61
Other paper and allied products.....	72.89	74.21	73.02	39.4	39.9	42.7	1.85	1.86	1.71
Other paper and allied products.....	66.67	66.83	65.47	40.9	41.0	41.7	1.63	1.63	1.57
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>									
Newspapers.....	87.62	86.94	85.58	38.6	38.3	38.9	2.27	2.27	2.20
Periodicals.....	92.01	92.01	90.36	35.8	35.8	36.0	2.57	2.57	2.51
Books.....	92.16	87.58	92.62	40.6	39.1	40.8	2.27	2.24	2.27
Commercial printing.....	79.39	75.66	74.96	40.3	39.2	40.3	1.97	1.93	1.86
Lithographing.....	85.54	85.72	83.81	39.6	39.5	40.1	2.16	2.17	2.09
Greeting cards.....	89.32	88.66	86.30	40.6	40.3	40.9	2.20	2.20	2.11
Bookbinding and related industries.....	51.75	51.06	47.00	37.5	37.0	37.3	1.38	1.38	1.26
Miscellaneous publishing and printing services.....	68.11	67.94	66.70	39.6	39.5	39.7	1.72	1.72	1.68
Miscellaneous publishing and printing services.....	105.18	104.49	105.73	39.1	38.7	39.6	2.69	2.70	2.67
<b>CHEMICALS AND ALLIED PRODUCTS</b>									
Industrial inorganic chemicals.....	78.72	79.35	76.26	41.0	40.9	41.0	1.92	1.94	1.86
Alkalies and chlorine.....	86.27	86.88	83.23	40.5	40.6	40.8	2.13	2.14	2.04
Industrial organic chemicals.....	83.56	83.50	83.03	39.6	39.2	40.9	2.11	2.13	2.03
Plastics, except synthetic rubber.....	83.64	84.24	80.79	40.6	40.5	40.6	2.06	2.08	1.99
Synthetic rubber.....	84.42	83.02	83.92	42.0	41.1	42.6	2.01	2.02	1.97
Synthetic fibers.....	91.39	91.39	88.29	40.8	40.8	40.5	2.24	2.24	2.18
Explosives.....	72.65	75.11	70.62	39.7	40.6	39.9	1.83	1.85	1.77
Explosives.....	77.81	76.05	76.02	39.7	38.8	39.8	1.96	1.96	1.91

See footnotes at end of table.

# Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>CHEMICALS AND ALLIED PRODUCTS-Continued</b>									
Drugs and medicines.....	\$71.40	\$71.46	\$68.38	40.8	40.6	40.7	\$1.75	\$1.76	\$1.68
Soap, cleaning and polishing preparations.....	83.21	81.39	79.27	41.4	40.9	41.5	2.01	1.99	1.91
Soap and glycerin.....	90.67	89.16	86.31	41.4	40.9	41.1	2.19	2.18	2.10
Paints, pigments, and fillers.....	78.09	79.65	75.17	41.1	41.7	41.3	1.90	1.91	1.82
Paints, varnishes, lacquers, and enamels.....	76.48	77.38	73.75	40.9	41.6	41.2	1.87	1.86	1.79
Gum and wood chemicals.....	68.80	69.17	65.14	43.0	43.5	42.3	1.60	1.59	1.54
Fertilizers.....	61.30	62.16	58.79	41.7	42.0	41.4	1.47	1.48	1.42
Vegetable and animal oils and fats.....	69.39	70.78	65.97	44.2	44.8	43.4	1.57	1.58	1.52
Vegetable oils.....	63.06	64.96	60.35	42.9	43.6	42.2	1.47	1.49	1.43
Animal oils and fats.....	78.83	78.88	74.13	46.1	46.4	45.2	1.71	1.70	1.64
Miscellaneous chemicals.....	71.69	70.98	69.77	40.5	40.1	40.8	1.77	1.77	1.71
Essential oils, perfumes, cosmetics....	60.14	58.28	57.30	38.8	37.6	38.2	1.55	1.55	1.50
Compressed and liquified gases.....	82.71	82.52	81.75	42.2	42.1	42.8	1.96	1.96	1.91
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	92.84	94.53	92.06	40.9	41.1	41.1	2.27	2.30	2.24
Petroleum refining.....	95.82	97.51	95.00	40.6	40.8	40.6	2.36	2.39	2.34
Coke and other petroleum and coal products.....	82.94	83.78	82.60	42.1	42.1	42.8	1.97	1.99	1.93
<b>RUBBER PRODUCTS.....</b>	76.05	76.83	77.21	38.8	39.4	39.8	1.96	1.95	1.94
Tires and inner tubes.....	85.56	87.01	87.58	37.2	38.5	39.1	2.30	2.26	2.24
Rubber footwear.....	64.19	68.45	65.53	38.9	40.5	40.2	1.65	1.69	1.63
Other rubber products.....	70.98	70.62	70.30	40.1	39.9	40.4	1.77	1.77	1.74
<b>LEATHER AND LEATHER PRODUCTS.....</b>	51.10	51.38	51.79	37.3	37.5	37.8	1.37	1.37	1.37
Leather: tanned, curried, and finished..	68.82	68.43	69.03	39.1	39.1	39.9	1.76	1.75	1.73
Industrial leather belting and packing....	66.57	63.63	68.72	40.1	38.8	41.9	1.66	1.64	1.64
Boot and shoe cut stock and findings....	48.55	49.50	50.67	36.5	37.5	38.1	1.33	1.32	1.33
Footwear (except rubber).....	48.58	48.73	49.24	36.8	37.2	37.3	1.32	1.31	1.32
Luggage.....	58.44	56.83	55.73	38.7	38.4	38.7	1.51	1.48	1.44
Handbags and small leather goods.....	47.46	46.62	47.48	38.9	37.9	38.6	1.22	1.23	1.23
Gloves and miscellaneous leather goods..	44.90	43.79	44.17	36.5	35.6	36.5	1.23	1.23	1.21
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	72.04	71.33	71.10	40.7	40.3	41.1	1.77	1.77	1.73
Flat glass.....	96.29	97.84	94.64	39.3	40.1	40.1	2.45	2.44	2.36
Glass and glassware, pressed or blown...	70.20	69.50	68.46	39.0	38.4	39.8	1.80	1.81	1.72
Glass containers.....	73.26	70.98	71.15	39.6	39.0	40.2	1.85	1.82	1.77
Pressed and blown glass.....	66.47	66.75	64.85	38.2	37.5	39.3	1.74	1.78	1.65
Glass products made of purchased glass..	61.61	59.95	59.71	40.8	39.7	40.9	1.51	1.51	1.46
Cement, hydraulic.....	76.41	78.44	75.18	41.3	41.5	42.0	1.85	1.89	1.79
Structural clay products.....	66.98	66.17	65.83	41.6	41.1	41.4	1.61	1.61	1.59
Brick and hollow tile.....	65.97	65.21	63.36	43.4	42.9	43.1	1.52	1.52	1.47
Floor and wall tile.....	70.21	68.68	67.97	41.3	40.4	40.7	1.70	1.70	1.67
Sewer pipe.....	69.39	68.64	66.02	41.8	41.1	40.5	1.66	1.67	1.63
Clay refractories.....	66.97	66.06	69.63	37.0	36.7	38.9	1.81	1.80	1.79
Pottery and related products.....	60.65	57.63	60.06	36.1	34.1	36.4	1.68	1.69	1.65
Concrete, gypsum, and plaster products..	75.77	75.99	75.71	45.1	44.7	44.8	1.68	1.70	1.69
Concrete products.....	73.39	73.35	74.70	45.3	45.0	45.0	1.62	1.63	1.66
Cut-stone and stone products.....	64.46	62.87	65.57	40.8	40.3	42.3	1.58	1.56	1.55
Miscellaneous nonmetallic mineral products.....	73.68	72.91	74.34	39.4	39.2	40.4	1.87	1.86	1.84
Abrasive products.....	73.48	73.06	79.20	37.3	36.9	39.8	1.97	1.98	1.99
Asbestos products.....	78.25	78.40	76.80	41.4	41.7	42.2	1.89	1.88	1.82
Nonclay refractories.....	65.93	63.24	72.00	33.3	32.1	36.0	1.98	1.97	2.00
<b>PRIMARY METAL INDUSTRIES.....</b>	81.27	80.81	85.28	38.7	38.3	41.0	2.10	2.11	2.08
Blast furnaces, steel works, and rolling mills.....	83.32	84.00	90.20	37.7	37.5	41.0	2.21	2.24	2.20
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	83.32	84.00	90.20	37.7	37.5	41.0	2.21	2.24	2.20
Electrometallurgical products.....	77.81	79.80	81.79	39.3	39.7	41.1	1.98	2.01	1.99

See footnotes at end of table.

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>PRIMARY METAL INDUSTRIES-Continued</b>									
Iron and steel foundries.....	\$74.29	\$72.95	\$76.55	39.1	38.6	40.5	\$1.90	\$1.89	\$1.89
Gray-iron foundries.....	73.68	72.73	74.70	39.4	39.1	40.6	1.87	1.86	1.84
Malleable-iron foundries.....	74.69	69.55	75.60	38.9	36.8	40.0	1.92	1.89	1.89
Steel foundries.....	76.02	75.04	80.40	38.2	37.9	40.4	1.99	1.98	1.99
Primary smelting and refining of nonferrous metals.....	80.20	79.60	81.16	40.3	39.8	41.2	1.99	2.00	1.97
Primary smelting and refining of copper, lead, and zinc.....	76.59	75.85	80.87	40.1	39.3	41.9	1.91	1.93	1.93
Primary refining of aluminum.....	85.86	85.24	80.99	40.5	40.4	39.7	2.12	2.11	2.04
Secondary smelting and refining of nonferrous metals.....	72.85	73.31	73.51	40.7	40.5	41.3	1.79	1.81	1.78
Rolling, drawing, and alloying of nonferrous metals.....	80.60	79.60	82.96	40.1	40.0	41.9	2.01	1.99	1.98
Rolling, drawing, and alloying of copper.....	80.20	81.40	86.20	39.9	40.7	43.1	2.01	2.00	2.00
Rolling, drawing, and alloying of aluminum.....	80.00	75.85	77.03	40.0	38.5	39.5	2.00	1.97	1.95
Nonferrous foundries.....	79.80	77.79	79.38	39.7	38.7	40.5	2.01	2.01	1.96
Miscellaneous primary metal industries..	85.14	84.10	87.34	39.6	39.3	41.2	2.15	2.14	2.12
Iron and steel forgings.....	86.08	84.80	90.27	38.6	38.2	41.6	2.23	2.22	2.17
Wire drawing.....	86.28	84.80	85.27	40.7	40.0	40.8	2.12	2.12	2.09
Welded and heavy-riveted pipe.....	83.56	85.24	83.39	39.6	40.4	39.9	2.11	2.11	2.09
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)</b> .....	76.55	75.60	76.59	40.5	40.0	41.4	1.89	1.89	1.85
Tin cans and other tinware.....	83.13	82.12	79.30	42.2	41.9	43.1	1.97	1.96	1.84
Cutlery, hand tools, and hardware.....	74.34	72.29	72.45	40.4	39.5	40.7	1.84	1.83	1.78
Cutlery and edge tools.....	66.66	64.29	67.48	40.4	39.2	41.4	1.65	1.64	1.63
Hand tools.....	72.86	70.84	73.08	39.6	38.5	40.6	1.84	1.84	1.80
Hardware.....	77.93	75.79	73.71	40.8	40.1	40.5	1.91	1.89	1.82
Heating apparatus (except electric) and plumbers supplies.....	75.33	72.34	72.80	40.5	39.1	40.0	1.86	1.85	1.82
Sanitary ware and plumbers' supplies...	79.38	75.83	74.67	40.5	39.7	39.3	1.96	1.91	1.90
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	73.71	70.62	72.14	40.5	38.8	40.3	1.82	1.82	1.79
Fabricated structural metal products...	79.93	79.13	81.60	41.2	41.0	42.5	1.94	1.93	1.92
Structural steel and ornamental metal work.....	81.06	79.46	82.32	42.0	41.6	43.1	1.93	1.91	1.91
Metal doors, sash, frames, molding, and trim.....	77.01	79.35	77.71	39.9	40.9	40.9	1.93	1.94	1.90
Boiler-shop products.....	78.96	77.79	82.22	40.7	40.1	42.6	1.94	1.94	1.93
Sheet-metal work.....	79.37	79.54	80.03	40.7	41.0	41.9	1.95	1.94	1.91
Metal stamping, coating, and engraving..	76.81	76.44	77.71	39.8	39.2	40.9	1.93	1.95	1.90
Vitreous-enameled products.....	58.93	56.13	59.60	36.6	35.3	38.7	1.61	1.59	1.54
Stamped and pressed metal products....	79.20	79.40	80.95	40.0	39.5	41.3	1.98	2.01	1.96
Lighting fixtures.....	71.10	71.28	68.64	39.5	39.6	39.0	1.80	1.80	1.76
Fabricated wire products.....	72.94	72.94	72.85	40.3	40.3	40.7	1.81	1.81	1.79
Miscellaneous fabricated metal products.	74.00	73.28	77.59	40.0	39.4	42.4	1.85	1.86	1.83
Metal shipping barrels, drums, kegs, and pails.....	85.08	77.99	83.95	41.1	38.8	42.4	2.07	2.01	1.98
Steel springs.....	74.09	76.04	79.93	37.8	38.6	41.2	1.96	1.97	1.94
Bolts, nuts, washers, and rivets.....	73.88	73.14	78.31	39.3	38.7	42.1	1.88	1.89	1.86
Screw-machine products.....	73.02	71.92	78.99	39.9	39.3	43.4	1.83	1.83	1.82
<b>MACHINERY (EXCEPT ELECTRICAL)</b> .....	81.20	80.60	82.12	40.2	40.1	41.9	2.02	2.01	1.96
Engines and turbines.....	84.56	85.44	85.06	39.7	40.3	40.7	2.13	2.12	2.09
Steam engines, turbines, and water wheels.....	95.40	92.34	99.39	41.3	40.5	43.4	2.31	2.28	2.29
Diesel and other internal-combustion engines, not elsewhere classified....	80.16	83.02	80.00	39.1	40.3	39.8	2.05	2.06	2.01
Agricultural machinery and tractors....	77.62	77.03	76.81	39.4	39.3	39.8	1.97	1.96	1.93
Tractors.....	80.77	78.78	79.20	39.4	39.0	40.0	2.05	2.02	1.98
Agricultural machinery (except tractors).....	74.67	75.45	74.64	39.3	39.5	39.7	1.90	1.91	1.88

See footnotes at end of table.

# Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>MACHINERY (EXCEPT ELECTRICAL)-Continued</b>									
Construction and mining machinery.....	\$78.59	\$78.00	\$77.52	40.3	40.0	40.8	\$1.95	\$1.95	\$1.90
Construction and mining machinery, except for oil fields.....	76.63	77.21	76.76	39.5	39.8	40.4	1.94	1.94	1.90
Oil-field machinery and tools.....	82.96	78.99	80.03	41.9	40.3	41.9	1.98	1.96	1.91
Metalworking machinery.....	92.64	92.20	94.95	42.3	42.1	45.0	2.19	2.19	2.11
Machine tools.....	85.70	85.28	91.55	41.2	41.0	45.1	2.08	2.08	2.03
Metalworking machinery (except machine tools).....	86.11	86.10	89.76	41.4	41.0	44.0	2.08	2.10	2.04
Machine-tool accessories.....	100.25	99.59	99.21	43.4	43.3	45.3	2.31	2.30	2.19
Special-industry machinery (except metalworking machinery).....	77.38	77.78	79.76	40.3	40.3	42.2	1.92	1.93	1.89
Food-products machinery.....	79.17	79.18	82.32	40.6	40.4	43.1	1.95	1.96	1.91
Textile machinery.....	68.21	67.16	70.47	39.2	38.6	40.5	1.74	1.74	1.74
Paper-industries machinery.....	81.64	81.98	81.03	42.3	42.7	43.8	1.93	1.92	1.85
Printing-trades machinery and equipment.....	84.84	90.73	91.15	40.4	42.2	43.2	2.10	2.15	2.11
General industrial machinery.....	79.80	79.40	82.45	40.1	40.1	42.5	1.99	1.98	1.94
Pumps, air and gas compressors.....	78.41	77.81	80.87	39.8	39.9	41.9	1.97	1.95	1.93
Conveyors and conveying equipment.....	80.19	85.04	82.06	39.7	42.1	42.3	2.02	2.02	1.94
Blowers, exhaust and ventilating fans..	74.37	73.68	78.62	40.2	39.4	43.2	1.85	1.87	1.82
Industrial trucks, tractors, etc.....	77.42	75.65	82.35	39.3	38.4	41.8	1.97	1.97	1.97
Mechanical power-transmission equipment.....	80.20	78.80	85.50	40.1	39.6	43.4	2.00	1.99	1.97
Mechanical stokers and industrial furnaces and ovens.....	79.20	78.61	80.70	39.8	39.5	41.6	1.99	1.99	1.94
Office and store machines and devices..	80.00	79.40	76.80	39.8	39.7	40.0	2.01	2.00	1.92
Computing machines and cash registers..	86.80	86.80	81.77	40.0	40.0	39.5	2.17	2.17	2.07
Typewriters.....	73.42	72.86	71.33	39.9	39.6	40.3	1.84	1.84	1.77
Service-industry and household machines.	77.03	75.27	77.20	39.3	38.8	40.0	1.96	1.94	1.93
Domestic laundry equipment.....	81.81	79.79	75.64	40.3	40.5	39.6	2.03	1.97	1.91
Commercial laundry, dry-cleaning, and pressing machines.....	74.96	72.10	76.80	40.3	39.4	42.2	1.86	1.83	1.82
Sewing machines.....	78.79	78.21	75.83	40.2	39.5	39.7	1.96	1.98	1.91
Refrigerators and air-conditioning units.....	76.24	74.69	77.42	38.7	38.3	39.7	1.97	1.95	1.95
Miscellaneous machinery parts.....	76.83	76.05	79.04	39.4	39.2	41.6	1.95	1.94	1.90
Fabricated pipe, fittings, and valves..	76.63	75.27	78.69	38.9	38.6	41.2	1.97	1.95	1.91
Ball and roller bearings.....	75.47	74.69	78.06	38.9	38.5	41.3	1.94	1.94	1.89
Machine shops (job and repair).....	78.14	78.55	79.95	40.7	40.7	42.3	1.92	1.93	1.89
<b>ELECTRICAL MACHINERY</b>									
Electrical generating, transmission, distribution, and industrial apparatus..	77.78	76.42	77.68	40.3	39.8	41.1	1.93	1.92	1.89
Wiring devices and supplies.....	67.77	65.79	68.78	39.4	38.7	40.7	1.72	1.70	1.69
Carbon and graphite products (electrical).....	74.61	73.49	77.11	39.9	39.3	40.8	1.87	1.87	1.89
Electrical indicating, measuring, and recording instruments.....	73.53	72.58	73.03	40.4	40.1	40.8	1.82	1.81	1.79
Motors, generators, and motor-generator sets.....	83.23	81.80	83.22	40.6	40.1	41.2	2.05	2.04	2.02
Power and distribution transformers....	78.78	77.02	75.98	40.4	39.7	40.2	1.95	1.94	1.89
Switchgear, switchboard, and industrial controls.....	75.58	75.39	76.49	40.2	40.1	41.8	1.88	1.88	1.83
Electrical welding apparatus.....	87.11	83.23	86.25	42.7	40.8	42.7	2.04	2.04	2.02
Electrical appliances.....	75.65	75.46	75.62	39.4	39.3	39.8	1.92	1.92	1.90
Insulated wire and cable.....	70.75	70.30	69.14	40.2	40.4	40.2	1.76	1.74	1.72
Electrical equipment for vehicles.....	74.29	73.54	75.20	39.1	38.3	40.0	1.90	1.92	1.88
Electric lamps.....	63.86	60.42	63.52	38.7	36.4	39.7	1.65	1.66	1.60
Communication equipment.....	69.03	67.64	67.73	39.9	39.1	40.8	1.73	1.73	1.66
Radios, phonographs, television sets, and equipment.....	67.83	67.20	65.36	39.9	39.3	40.1	1.70	1.71	1.63
Radio tubes.....	64.08	61.99	64.06	39.8	38.5	41.6	1.61	1.61	1.54
Telephone, telegraph, and related equipment.....	80.40	78.21	83.66	40.2	39.5	42.9	2.00	1.98	1.95

See footnotes at end of table.



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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>ELECTRICAL MACHINERY-Continued</b>									
Miscellaneous electrical products.....	\$67.25	\$68.43	\$69.36	39.1	39.1	40.8	\$1.72	\$1.75	\$1.70
Storage batteries.....	75.07	76.24	79.80	39.1	39.3	42.0	1.92	1.94	1.90
Primary batteries (dry and wet).....	57.90	58.35	60.05	38.6	38.9	40.3	1.50	1.50	1.49
X-ray and non-radio electronic tubes...	76.63	79.79	71.56	39.5	40.3	40.2	1.94	1.98	1.78
<b>TRANSPORTATION EQUIPMENT.....</b>									
Automobiles.....	85.20	84.38	85.70	40.0	39.8	41.2	2.13	2.12	2.08
Motor vehicles, bodies, parts, and accessories.....	85.46	85.06	88.58	39.2	39.2	41.2	2.18	2.17	2.15
Truck and bus bodies.....	86.02	86.07	89.21	39.1	39.3	41.3	2.20	2.19	2.16
Trailers (truck and automobile).....	77.71	74.10	75.48	40.9	39.0	41.7	1.90	1.90	1.81
Aircraft and parts.....	73.49	74.29	73.84	39.3	39.1	39.7	1.87	1.90	1.86
Aircraft.....	85.90	84.66	83.60	41.1	40.7	41.8	2.09	2.08	2.00
Aircraft engines and parts.....	85.70	84.86	82.39	41.2	40.8	41.4	2.08	2.08	1.99
Aircraft propellers and parts.....	86.31	86.51	86.90	41.1	41.0	42.6	2.10	2.11	2.04
Other aircraft parts and equipment.....	82.53	79.87	85.70	39.3	38.4	41.6	2.10	2.08	2.06
Ship and boat building and repairing.....	85.27	83.84	84.80	40.8	40.5	42.4	2.09	2.07	2.00
Ship building and repairing.....	81.33	80.11	81.16	39.1	38.7	39.4	2.08	2.07	2.06
Boat building and repairing.....	83.25	82.22	82.92	38.9	38.6	39.3	2.14	2.13	2.11
Railroad equipment.....	71.15	68.95	70.93	40.2	39.4	40.3	1.77	1.75	1.76
Locomotives and parts.....	81.41	80.60	78.16	38.4	38.2	38.5	2.12	2.11	2.03
Railroad and street cars.....	85.81	84.38	81.97	40.1	39.8	39.6	2.14	2.12	2.07
Other transportation equipment.....	78.49	78.70	75.60	37.2	37.3	37.8	2.11	2.11	2.00
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>									
Laboratory, scientific, and engineering instruments.....	72.83	72.29	73.16	39.8	39.5	41.1	1.83	1.83	1.78
Mechanical measuring and controlling instruments.....	84.66	79.72	88.62	40.9	38.7	42.4	2.07	2.06	2.09
Optical instruments and lenses.....	73.84	74.24	72.72	39.7	39.7	40.4	1.86	1.87	1.80
Surgical, medical, and dental instruments.....	(1/)	74.64	78.44	(1/)	39.7	42.4	(1/)	1.88	1.85
Ophthalmic goods.....	67.64	65.97	66.99	40.5	39.5	41.1	1.67	1.67	1.63
Photographic apparatus.....	55.88	58.35	56.59	37.5	38.9	39.3	1.49	1.50	1.44
Watches and clocks.....	79.59	79.59	77.68	40.4	40.4	41.1	1.97	1.97	1.89
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>									
Jewelry, silverware, and plated ware...	64.00	62.79	63.74	40.0	39.0	40.6	1.60	1.61	1.57
Jewelry and findings.....	65.12	64.06	67.14	40.7	39.3	41.7	1.60	1.63	1.61
Silverware and plated ware.....	61.31	60.30	62.73	40.6	38.9	41.0	1.51	1.55	1.53
Musical instruments and parts.....	73.62	71.02	75.50	40.9	39.9	42.9	1.80	1.78	1.76
Toys and sporting goods.....	71.38	70.88	70.58	40.1	39.6	40.1	1.78	1.79	1.76
Games, toys, dolls, and children's vehicles.....	58.95	56.77	59.75	39.3	38.1	40.1	1.50	1.49	1.49
Sporting and athletic goods.....	58.61	56.09	60.30	39.6	37.9	40.2	1.48	1.48	1.50
Pens, pencils, and other office supplies.....	59.13	57.98	59.05	38.9	38.4	39.9	1.52	1.51	1.48
Costume jewelry, buttons, notions.....	58.07	59.30	58.58	39.5	39.8	40.4	1.47	1.49	1.45
Fabricated plastics products.....	57.02	56.21	58.11	39.6	38.5	39.8	1.44	1.46	1.46
Other manufacturing industries.....	69.02	67.60	67.07	40.6	40.0	41.4	1.70	1.69	1.62
	66.97	65.35	65.21	40.1	38.9	40.5	1.67	1.68	1.61

See footnotes at end of table.

# Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953	Aug. 1954	July 1954	Aug. 1953
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
<b>TRANSPORTATION:</b>									
Class I railroads.....	(1/)	\$77.59	\$75.36	(1/)	40.2	40.3	(1/)	\$1.93	\$1.87
Local railways and bus lines.....	\$77.71	78.51	77.40	42.7	42.9	45.0	\$1.82	1.83	1.72
<b>COMMUNICATION:</b>									
Telephone.....	67.69	68.60	64.24	38.9	39.2	38.7	1.74	1.75	1.66
Switchboard operating employees 2/...	56.32	57.15	53.57	37.3	37.6	37.2	1.51	1.52	1.44
Line construction, installation, and maintenance employees 3/.....	95.82	96.95	91.15	42.4	42.9	42.2	2.26	2.26	2.16
Telegraph 4/.....	77.33	77.15	74.76	41.8	41.7	42.0	1.85	1.85	1.78
<b>OTHER PUBLIC UTILITIES:</b>									
Gas and electric utilities.....	83.21	83.83	81.34	41.4	41.5	41.5	2.01	2.02	1.96
<b>WHOLESALE AND RETAIL TRADE:</b>									
<b>WHOLESALE TRADE.....</b>									
74.70	74.34	71.91	40.6	40.4	40.4	1.84	1.84	1.78	
<b>RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....</b>									
58.11	58.51	56.12	39.8	39.8	39.8	1.46	1.47	1.41	
<b>General merchandise stores.....</b>									
41.99	42.35	39.74	36.2	36.2	35.8	1.16	1.17	1.11	
<b>Department stores and general mail-order houses.....</b>									
47.21	47.84	45.11	36.6	36.8	35.8	1.29	1.30	1.26	
<b>Food and liquor stores.....</b>									
62.25	62.57	60.40	39.4	39.6	40.0	1.58	1.58	1.51	
<b>Automotive and accessories dealers.....</b>									
76.10	76.37	74.48	44.5	44.4	44.6	1.71	1.72	1.67	
<b>Apparel and accessories stores.....</b>									
46.96	47.29	45.25	36.4	36.1	36.2	1.29	1.31	1.25	
<b>Other retail trade:</b>									
<b>Furniture and appliance stores.....</b>									
64.57	64.30	62.16	42.2	42.3	42.0	1.53	1.52	1.48	
<b>Lumber and hardware supply stores.....</b>									
68.17	67.86	65.97	43.7	43.5	43.4	1.56	1.56	1.52	
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
<b>Banks and trust companies.....</b>									
57.43	57.66	55.00	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	
<b>Security dealers and exchanges.....</b>									
96.59	94.89	79.72	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	
<b>Insurance carriers.....</b>									
71.18	71.12	68.07	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	
<b>SERVICE AND MISCELLANEOUS:</b>									
<b>Hotels and lodging places:</b>									
<b>Hotels, year-round 5/.....</b>									
40.32	40.03	38.49	42.0	41.7	42.3	.96	.96	.91	
<b>Personal services:</b>									
<b>Laundries.....</b>									
39.40	40.00	39.10	39.4	40.0	39.9	1.00	1.00	.98	
<b>Cleaning and dyeing plants.....</b>									
45.46	45.78	44.35	38.2	38.8	38.9	1.19	1.18	1.14	
<b>Motion pictures:</b>									
<b>Motion-picture production and distribution.....</b>									
101.58	102.79	91.22	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	

1/ Not available.

2/ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. During 1953 such employees made up 45 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 1953 such employees made up 24 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**

Period	Manufacturing		Bituminous-coal mining		Laundries		Period	Manufacturing		Bituminous-coal mining		Laundries	
	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars		Current dollars	1947-49 dollars	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars
Annual average:							Monthly data:						
							1953						
1939...	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	July...	\$71.33	\$62.19	\$84.97	\$74.08	\$39.30	\$34.26
1940...	25.20	42.07	24.71	41.25	17.93	29.93	Aug....	71.69	62.34	92.88	80.77	39.10	34.00
1941...	29.58	47.03	30.86	49.06	18.69	29.71	Sept...	71.42	62.00	86.15	74.78	39.80	34.55
							Oct....	72.14	62.51	89.78	77.80	39.70	34.40
1942...	36.65	52.58	35.02	50.24	20.34	29.18	Nov....	71.60	62.26	81.17	70.58	40.00	34.78
1943...	43.14	58.30	41.62	56.24	23.08	31.19	Dec....	72.36	62.98	82.25	71.58	40.60	35.34
1944...	46.08	61.28	51.27	68.18	25.95	34.51							
							1954						
1945...	44.39	57.72	52.25	67.95	27.73	36.06	Jan....	70.92	61.56	82.34	71.48	39.70	34.46
1946...	43.82	52.54	58.03	69.58	30.20	36.21	Feb....	71.28	61.98	79.04	68.73	39.80	34.61
1947...	49.97	52.32	66.59	69.73	32.71	34.25	Mar....	70.71	61.59	73.06	63.64	39.60	34.49
							Apr....	70.20	61.26	71.67	62.54	40.80	35.60
1948...	54.14	52.67	72.12	70.16	34.23	33.30	May....	71.13	61.85	76.32	66.37	40.30	35.04
1949...	54.92	53.95	63.28	62.16	34.98	34.36	June...	71.68	62.28	83.00	72.11	40.50	35.19
1950...	59.33	57.71	70.35	68.43	35.47	34.50							
							July...	70.92	61.56	75.39	65.44	40.00	34.72
1951...	64.71	58.30	77.79	70.08	37.81	34.06	Aug....	71.06	61.79	82.00	71.30	39.40	34.26
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							

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

Period	Gross average weekly earnings		Net spendable average weekly earnings				Period	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 dollars	1947-49 dollars	Current dollars	1947-49 dollars				Current dollars	1947-49 dollars	Current dollars	1947-49 dollars
Annual average:							Monthly data:						
							1953						
1939...	\$23.86	45.1	\$23.58	\$39.70	\$23.62	\$39.76	July...	\$71.33	134.7	\$58.26	\$50.79	\$66.29	\$57.79
1940...	25.20	47.6	24.69	41.22	24.95	41.65	Aug....	71.69	135.4	58.54	50.90	66.58	57.90
1941...	29.58	55.9	28.05	44.59	29.28	46.55	Sept...	71.42	134.9	58.33	50.63	66.36	57.60
							Oct....	72.14	136.2	58.89	51.03	66.94	58.01
1942...	36.65	69.2	31.77	45.58	36.28	52.05	Nov....	71.60	135.2	58.47	50.84	66.50	57.83
1943...	43.14	81.5	36.01	48.66	41.39	55.93	Dec....	72.36	136.7	59.06	51.40	67.11	58.41
1944...	46.08	87.0	38.29	50.92	44.06	58.89							
							1954						
1945...	44.39	83.8	36.97	48.08	42.74	55.58	Jan....	70.92	133.9	58.80	51.04	66.00	57.29
1946...	43.82	82.8	37.72	45.23	43.20	51.80	Feb....	71.28	134.6	59.09	51.38	66.30	57.65
1947...	49.97	94.4	42.76	44.77	48.24	50.51	Mar....	70.71	133.5	58.63	51.07	65.83	57.34
							Apr....	70.20	132.6	58.22	50.80	65.41	57.08
1948...	54.14	102.2	47.43	46.14	53.17	51.72	May....	71.13	134.3	58.97	51.28	66.18	57.55
1949...	54.92	103.7	48.09	47.24	53.83	52.88	June...	71.68	135.4	59.41	51.62	66.63	57.89
1950...	59.33	112.0	51.09	49.70	57.21	55.65							
							July...	70.92	133.9	58.80	51.04	66.00	57.29
1951...	64.71	122.2	54.04	48.68	61.28	55.21	Aug....	71.06	134.2	58.91	51.23	66.12	57.50
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							

## Adjusted Earnings

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

Period	Manufacturing			Durable goods		Nondurable goods	
	Gross	Excluding overtime		Gross	Excluding overtime	Gross	Excluding overtime
	Amount	Amount	Index (1947-49 = 100)	Amount	Amount	Amount	Amount
<b>Annual average:</b>							
1941.....	\$0.729	\$0.702	54.5	\$0.808	\$0.770	\$0.640	\$0.625
1942.....	.853	.805	62.5	.947	.881	.723	.698
1943.....	.961	.894	69.4	1.059	.976	.803	.763
1944.....	1.019	.947	73.5	1.117	1.029	.861	.814
1945.....	1.023	<u>1</u> /.963	<u>1</u> /74.8	1.111	<u>1</u> /1.042	.904	<u>1</u> /.858
1946.....	1.086	1.051	81.6	1.156	1.122	1.015	.981
1947.....	1.237	1.198	93.0	1.292	1.250	1.171	1.133
1948.....	1.350	1.310	101.7	1.410	1.366	1.278	1.241
1949.....	1.401	1.367	106.1	1.469	1.434	1.325	1.292
1950.....	1.465	1.415	109.9	1.537	1.480	1.378	1.337
1951.....	1.59	1.53	118.8	1.67	1.60	1.48	1.43
1952.....	1.67	1.61	125.0	1.77	1.70	1.54	1.49
1953.....	1.77	1.71	132.8	1.87	1.80	1.61	1.56
<b>Monthly data:</b>							
1953: July....	1.77	1.71	132.8	1.88	1.82	1.61	1.56
Aug.....	1.77	1.71	132.8	1.88	1.81	1.61	1.56
Sept....	1.79	1.73	134.3	1.90	1.84	1.63	1.58
Oct.....	1.79	1.73	134.3	1.90	1.83	1.62	1.58
Nov.....	1.79	1.74	135.1	1.89	1.83	1.63	1.59
Dec.....	1.80	1.74	135.1	1.90	1.84	1.64	1.59
1954: Jan.....	1.80	1.76	136.6	1.91	1.86	1.65	1.61
Feb.....	1.80	1.75	135.9	1.90	1.85	1.65	1.61
Mar.....	1.79	1.75	135.9	1.90	1.85	1.65	1.61
Apr.....	1.80	1.75	135.9	1.90	1.85	1.65	1.61
May.....	1.81	1.76	136.6	1.91	1.86	1.66	1.62
June....	1.81	1.76	136.6	1.91	1.86	1.66	1.62
July....	1.80	1.76	136.6	1.91	1.86	1.66	1.62
Aug.....	1.79	1.74	135.1	1.91	1.85	1.64	1.60

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)

Period	TOTAL <sup>2</sup> / <sub>3</sub>	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)
<b>Annual average:</b>								
1947.....	103.6	105.1	94.6	104.8	106.1	103.1	101.2	107.0
1948.....	103.4	105.4	103.4	103.2	104.1	102.1	107.6	102.7
1949.....	93.0	89.5	102.0	92.0	89.7	94.7	91.1	90.3
1950.....	101.5	91.0	109.1	101.1	102.7	99.2	107.4	99.6
1951.....	109.5	95.0	124.1	108.4	115.7	99.7	290.4	102.7
1952.....	109.7	90.9	127.5	108.4	116.6	98.6	625.0	96.9
1953.....	113.5	86.6	124.2	113.7	125.5	99.7	826.7	94.0
<b>Monthly data:</b>								
1953: July.....	114.1	86.9	132.0	113.4	124.7	99.9	885.9	96.7
Aug.....	116.5	89.4	137.1	115.4	125.6	103.3	860.5	97.6
Sept.....	114.5	86.5	133.2	113.7	123.4	102.2	862.1	94.7
Oct.....	114.8	86.5	140.2	113.0	123.6	100.5	854.3	95.2
Nov.....	110.6	83.2	130.1	109.6	119.6	97.6	809.2	91.2
Dec.....	108.4	82.9	120.6	108.4	118.4	96.4	812.7	86.1
1954: Jan.....	101.9	80.3	98.3	103.8	113.7	92.1	764.1	79.6
Feb.....	102.4	78.0	106.0	103.5	112.5	92.8	712.1	82.3
Mar.....	101.8	73.9	109.8	102.5	110.6	92.9	654.3	84.1
Apr.....	99.9	71.5	115.9	99.5	108.1	89.2	587.8	85.3
May.....	100.4	72.3	122.5	99.1	107.2	89.4	542.0	88.5
June.....	102.1	75.4	129.4	100.0	107.0	91.6	522.1	93.8
July.....	100.2	72.5	132.7	97.4	102.2	91.7	506.1	80.6
Aug.....	102.9	74.8	134.9	100.2	103.6	96.1	492.1	83.4

Manufacturing - Durable goods - Continued

Period	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries	Fabricated metal products	Machinery (except electrical)	Electrical machinery	Transportation equipment
1947.....	103.3	102.8	105.4	106.7	108.3	111.1	102.9
1948.....	104.6	103.9	106.6	103.8	106.6	102.9	100.9
1949.....	92.1	93.3	88.0	89.4	85.1	86.0	96.3
1950.....	111.5	102.9	104.1	106.5	94.0	107.6	106.1
1951.....	105.9	111.4	115.7	115.8	116.9	123.7	124.5
1952.....	106.2	104.3	104.6	112.1	118.4	131.2	138.0
1953.....	108.2	106.6	114.0	123.7	118.9	148.0	158.7
<b>Monthly data:</b>							
1953: July.....	103.7	105.8	115.2	122.7	116.5	143.6	158.9
Aug.....	106.8	108.3	114.9	123.9	114.5	148.0	159.2
Sept.....	105.8	106.9	111.7	121.5	113.5	148.4	153.1
Oct.....	106.3	108.3	110.4	121.4	113.8	146.9	153.9
Nov.....	103.8	105.4	106.7	117.8	111.4	143.3	146.3
Dec.....	101.4	103.2	105.4	115.4	112.3	138.3	151.1
1954: Jan.....	96.1	96.2	101.4	112.9	109.4	131.1	148.6
Feb.....	96.7	97.8	97.5	111.5	108.6	130.6	144.0
Mar.....	96.2	98.2	94.4	109.4	106.6	127.9	141.0
Apr.....	91.6	97.3	92.8	106.9	103.7	123.8	138.6
May.....	88.8	97.6	92.4	107.8	102.0	122.0	136.0
June.....	90.0	97.8	94.0	107.5	100.6	119.8	131.9
July.....	88.9	96.7	91.5	102.8	95.9	117.2	127.0
Aug.....	96.5	100.0	92.3	105.4	95.3	121.8	123.6

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)

Period	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
<b>Annual average:</b>						
1947.....	107.5	104.6	103.9	105.9	104.5	99.6
1948.....	103.0	104.2	100.0	101.0	105.7	101.6
1949.....	89.5	91.2	96.1	93.1	89.9	98.8
1950.....	97.4	101.3	95.2	89.2	100.1	103.0
1951.....	117.5	103.1	95.9	91.2	96.0	101.9
1952.....	122.7	100.5	94.7	92.2	90.7	104.5
1953.....	129.1	109.8	93.5	90.1	90.0	106.8
<b>Monthly data:</b>						
1953: July.....	126.3	104.4	100.3	77.6	89.3	102.2
Aug.....	126.8	111.0	106.6	101.6	89.8	109.2
Sept.....	128.6	111.9	111.2	108.9	86.3	102.0
Oct.....	128.7	115.3	101.6	106.8	86.0	106.0
Nov.....	129.1	112.1	95.1	96.1	84.2	102.8
Dec.....	128.1	107.5	89.4	101.7	83.2	103.5
1954: Jan.....	121.9	98.7	83.8	87.3	78.5	98.2
Feb.....	120.9	102.1	81.8	80.1	79.5	104.3
Mar.....	118.9	101.0	81.5	75.0	79.2	106.1
Apr.....	114.3	96.6	81.3	73.5	76.5	93.8
May.....	112.0	95.6	84.2	75.5	76.0	91.5
June.....	110.2	96.4	89.4	78.4	78.0	91.9
July.....	106.8	91.6	94.8	78.1	75.8	91.8
Aug.....	107.9	97.5	100.8	97.0	80.0	101.0
<b>Manufacturing - Nondurable goods - Continued</b>						
Period	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Products of petroleum and coal	Rubber products	Leather and leather products
<b>Annual average:</b>						
1947.....	102.6	101.4	103.3	99.0	109.8	105.8
1948.....	102.3	100.5	102.6	102.7	102.0	100.8
1949.....	95.1	98.0	94.1	98.3	88.1	93.4
1950.....	105.4	99.5	97.2	97.3	101.9	97.8
1951.....	109.9	101.6	105.5	102.1	108.5	92.1
1952.....	105.9	102.7	104.7	98.2	108.4	96.9
1953.....	111.4	105.5	107.8	100.9	111.7	96.4
<b>Monthly data:</b>						
1953: July.....	111.3	103.6	106.6	104.3	111.6	96.3
Aug.....	113.7	104.7	106.7	103.8	110.5	97.4
Sept.....	112.9	106.9	108.8	102.5	108.0	89.1
Oct.....	113.2	108.1	107.5	100.2	106.0	88.7
Nov.....	112.3	107.2	107.2	99.3	104.0	88.7
Dec.....	111.1	109.0	106.1	97.3	102.8	92.3
1954: Jan.....	107.6	104.3	105.0	95.3	100.1	91.9
Feb.....	107.5	103.7	104.4	94.9	99.1	94.9
Mar.....	107.8	105.4	104.9	94.0	96.4	93.8
Apr.....	105.7	104.0	103.8	94.0	95.0	85.3
May.....	106.9	104.0	101.8	97.4	98.3	82.2
June.....	108.5	104.9	101.0	99.3	100.1	87.4
July.....	107.2	103.9	99.4	98.6	85.8	90.3
Aug.....	108.9	104.5	99.9	97.8	85.1	93.0

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

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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
ALABAMA.....	\$55.70	\$55.24	\$55.48	39.5	38.9	40.2	\$1.41	\$1.42	\$1.38
Birmingham	71.86	72.50	70.12	39.7	39.4	40.3	1.81	1.84	1.74
Mobile	67.23	67.89	65.53	40.5	40.9	40.7	1.66	1.66	1.61
ARIZONA.....	84.55	77.03	79.46	42.7	39.5	41.6	1.98	1.95	1.91
Phoenix	81.73	72.38	77.76	41.7	37.5	40.5	1.96	1.93	1.92
ARKANSAS.....	51.53	51.66	49.53	40.9	41.0	40.6	1.26	1.26	1.22
Little Rock-									
N. Little Rock	48.28	49.41	49.73	39.9	40.5	41.1	1.21	1.22	1.21
CALIFORNIA.....	81.24	80.43	79.62	40.4	39.6	40.6	2.01	2.03	1.96
Fresno	74.91	70.32	69.00	40.1	37.7	38.8	1.87	1.87	1.78
Los Angeles	81.19	80.48	79.76	40.4	40.0	40.9	2.01	2.01	1.95
Sacramento	69.47	77.36	74.09	36.4	37.7	40.2	1.91	2.05	1.84
San Bernardino-									
Riverside-Ontario	80.37	78.80	78.42	40.7	40.1	41.1	1.97	1.97	1.91
San Diego	81.91	81.77	76.93	39.8	39.9	39.6	2.06	2.05	1.94
San Francisco-Oakland	83.48	82.76	81.14	40.1	39.1	39.7	2.08	2.11	2.04
San Jose	78.81	74.07	74.01	43.9	39.9	41.4	1.79	1.85	1.79
Stockton	71.39	75.03	74.70	38.8	38.7	40.9	1.84	1.94	1.83
COLORADO.....	74.03	75.17	72.38	40.9	41.3	41.6	1.81	1.82	1.74
Denver	73.85	73.53	71.97	40.8	40.4	41.6	1.81	1.82	1.73
CONNECTICUT.....	72.36	72.00	74.52	40.2	40.0	42.1	1.80	1.80	1.77
Bridgeport	74.03	74.40	74.62	39.8	40.0	41.0	1.86	1.86	1.82
Hartford	76.67	77.68	79.61	41.0	41.1	43.5	1.87	1.89	1.83
New Britain	70.13	70.53	73.78	39.4	39.4	42.4	1.78	1.79	1.74
New Haven	69.49	70.64	71.49	40.4	40.6	42.3	1.72	1.74	1.69
Stamford	80.78	75.84	84.00	40.8	39.5	43.3	1.98	1.92	1.94
Waterbury	72.36	73.30	76.29	40.2	40.5	43.1	1.80	1.81	1.77
DELAWARE.....	67.85	72.36	67.13	40.7	40.2	40.2	1.67	1.80	1.67
Wilmington	82.65	85.25	80.14	40.1	40.5	40.7	2.06	2.11	1.97
FLORIDA.....	56.44	55.62	54.75	40.9	40.6	41.2	1.38	1.37	1.33
Tampa-St. Petersburg	55.61	55.20	52.68	40.3	40.0	40.4	1.38	1.38	1.30
GEORGIA.....	48.88	48.38	50.80	39.1	38.7	40.0	1.25	1.25	1.27
Atlanta	62.80	63.36	64.68	40.0	40.1	41.2	1.57	1.58	1.57
Savannah	68.43	65.94	64.41	42.5	42.0	42.1	1.61	1.57	1.53
IDAHO.....	76.76	82.84	80.56	40.4	42.7	41.1	1.90	1.94	1.96
ILLINOIS.....	75.81	75.66	76.25	40.0	39.7	41.2	1.90	1.91	1.85
Chicago	(1/)	78.44	80.19	(1/)	39.5	41.2	(1/)	1.99	1.95
INDIANA.....	75.67	75.29	76.94	39.5	39.0	40.4	1.92	1.93	1.90
IOWA.....	69.94	70.87	67.66	40.2	40.1	40.5	1.74	1.77	1.68
Des Moines	76.58	73.82	76.18	39.0	38.2	40.5	1.96	1.93	1.88
KANSAS.....	79.60	78.20	74.75	42.2	42.1	41.3	1.89	1.86	1.81
Topeka	65.24	63.57	66.97	39.5	39.3	41.5	1.65	1.62	1.61
Wichita	85.12	82.40	74.43	42.8	42.4	39.9	1.99	1.94	1.86
KENTUCKY.....	68.18	67.77	70.00	40.9	40.5	42.5	1.67	1.68	1.65
LOUISIANA.....	64.55	66.01	64.02	40.6	41.0	41.3	1.59	1.61	1.55
Baton Rouge	91.35	94.89	89.02	40.6	40.9	41.6	2.25	2.32	2.14
New Orleans	67.70	65.84	61.93	40.3	39.9	39.7	1.68	1.65	1.56

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		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
MAINE.....	\$55.78	\$56.70	\$56.31	39.9	40.3	40.3	\$1.40	\$1.41	\$1.40
Portland	61.50	61.37	60.38	40.9	41.2	42.2	1.50	1.49	1.43
MARYLAND.....	67.92	68.92	66.13	40.2	39.6	40.3	1.69	1.74	1.64
Baltimore	73.12	73.79	72.03	40.2	40.3	40.8	1.82	1.83	1.77
MASSACHUSETTS.....	65.57	65.07	66.66	39.5	39.2	40.4	1.66	1.66	1.65
Boston	68.34	68.21	69.08	39.5	39.2	40.4	1.73	1.74	1.71
Fall River	47.79	51.99	52.22	35.4	37.4	38.4	1.35	1.39	1.36
New Bedford	54.57	55.20	56.66	38.7	38.6	39.9	1.41	1.43	1.42
Springfield-Holyoke	70.98	72.14	70.00	40.1	40.3	40.7	1.77	1.79	1.72
Worcester	71.10	70.20	72.69	39.5	39.0	41.3	1.80	1.80	1.76
MICHIGAN.....	85.81	85.13	86.15	40.1	39.8	41.2	2.14	2.14	2.09
Detroit	89.80	88.71	89.71	39.3	39.2	41.0	2.29	2.26	2.19
Flint	92.52	89.13	98.35	41.9	40.7	44.3	2.21	2.19	2.22
Grand Rapids	79.39	80.06	80.66	40.4	40.6	42.1	1.97	1.97	1.92
Lansing	89.03	88.11	92.23	40.8	40.4	42.5	2.18	2.18	2.17
Muskegon	80.03	80.45	78.40	38.7	38.4	38.3	2.07	2.10	2.05
Saginaw	81.69	80.87	84.32	40.3	39.8	42.5	2.03	2.03	1.98
MINNESOTA.....	71.48	73.58	71.85	39.5	41.1	41.6	1.81	1.79	1.73
Duluth	78.76	76.07	79.11	40.1	40.0	41.4	1.96	1.90	1.91
Minneapolis	73.71	74.03	72.45	40.0	40.1	41.1	1.84	1.85	1.78
St. Paul	74.16	74.68	72.79	38.1	38.6	39.3	1.94	1.93	1.85
MISSISSIPPI.....	48.56	47.55	47.20	41.5	40.3	41.4	1.17	1.18	1.14
Jackson	51.44	52.45	47.88	40.5	41.3	39.9	1.27	1.27	1.20
MISSOURI.....	66.99	67.00	68.72	39.2	38.7	40.5	1.71	1.73	1.70
Kansas City	(1/)	74.70	78.13	(1/)	39.5	41.3	(1/)	1.89	1.89
St. Louis	72.48	73.15	72.48	39.3	39.0	40.4	1.85	1.88	1.80
MONTANA.....	77.24	77.57	81.30	39.5	38.7	41.5	1.96	2.01	1.96
NEBRASKA.....	(1/)	68.23	65.33	(1/)	42.7	41.8	(1/)	1.60	1.56
NEVADA.....	85.28	87.42	89.46	39.3	40.1	42.4	2.17	2.18	2.11
NEW HAMPSHIRE 2/.....	58.03	57.34	57.51	40.3	40.1	40.5	1.44	1.43	1.42
Manchester 2/	54.29	54.18	55.91	38.5	38.7	39.1	1.41	1.40	1.43
NEW JERSEY.....	74.49	74.03	73.79	39.9	39.4	40.5	1.87	1.88	1.82
Newark-Jersey City	75.20	76.25	75.60	39.6	39.9	40.8	1.90	1.91	1.85
Paterson	74.56	74.59	73.63	40.3	40.1	40.5	1.85	1.86	1.82
Perth Amboy	76.08	76.10	76.51	40.6	40.5	41.2	1.87	1.88	1.86
Trenton	72.38	72.01	71.68	39.9	39.5	40.0	1.81	1.82	1.79
NEW MEXICO.....	79.46	78.17	75.71	41.6	41.8	41.6	1.91	1.87	1.82
Albuquerque	75.71	75.90	70.52	41.6	42.4	41.0	1.82	1.79	1.72
NEW YORK.....	71.22	71.29	71.45	38.8	38.7	39.7	1.84	1.84	1.80
Albany-Schenectady-Troy	75.91	74.86	77.62	39.7	39.1	40.3	1.91	1.91	1.93
Binghamton	65.56	65.94	65.81	37.7	38.1	38.8	1.74	1.73	1.70
Buffalo	81.49	82.56	84.40	39.7	39.8	41.8	2.05	2.08	2.02
Elmira	72.76	73.05	70.20	40.1	40.5	39.8	1.82	1.80	1.77
Nassau and Suffolk Counties	83.20	84.18	82.67	41.0	41.2	41.9	2.03	2.04	1.97
New York City	68.53	68.36	67.76	37.4	37.2	37.7	1.83	1.84	1.80
Rochester	76.55	76.76	76.78	39.8	39.9	41.6	1.92	1.92	1.85
Syracuse	74.23	73.64	76.82	40.1	39.9	41.8	1.85	1.84	1.84
Utica-Rome	68.27	68.37	68.98	39.4	39.2	40.6	1.73	1.75	1.70
Westchester County	71.78	70.18	70.92	39.5	38.5	40.0	1.82	1.82	1.77

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		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
NORTH CAROLINA.....	\$48.50	\$47.25	\$48.46	38.8	37.8	39.4	\$1.25	\$1.25	\$1.23
Charlotte	51.61	50.96	51.71	39.7	39.2	40.4	1.30	1.30	1.28
Greensboro-High Point	48.89	47.36	(1/)	37.9	37.0	(1/)	1.29	1.28	(1/)
NORTH DAKOTA.....	69.41	69.95	68.75	44.9	45.5	46.7	1.55	1.54	1.47
Fargo	72.04	72.14	65.31	42.7	43.2	43.3	1.69	1.67	1.51
OHIO.....	78.49	78.50	79.88	39.6	39.3	40.9	1.98	2.00	1.95
Cincinnati	74.27	73.13	73.71	40.4	39.6	41.1	1.84	1.85	1.79
Cleveland	80.44	80.35	84.96	39.2	39.1	41.7	2.05	2.05	2.04
OKLAHOMA.....	72.45	72.45	69.94	41.4	41.4	40.9	1.75	1.75	1.71
Oklahoma City	69.44	70.09	66.72	42.6	43.0	41.7	1.63	1.63	1.60
Tulsa	78.09	77.52	75.48	41.1	40.8	40.8	1.90	1.90	1.85
OREGON.....	86.73	82.30	81.70	40.7	38.6	38.4	2.13	2.13	2.13
Portland	77.10	76.92	77.55	39.0	38.5	38.6	1.98	2.00	2.01
PENNSYLVANIA.....	69.37	69.58	72.13	38.1	38.1	39.9	1.82	1.83	1.81
Allentown-Bethlehem-Easton	63.77	63.00	67.70	36.5	35.9	39.0	1.75	1.76	1.74
Erie	72.06	73.50	74.17	38.7	39.6	40.4	1.86	1.86	1.84
Harrisburg	58.93	61.36	63.67	37.3	38.3	39.5	1.58	1.60	1.61
Lancaster	63.55	63.07	63.01	40.4	40.3	41.4	1.57	1.57	1.52
Philadelphia	74.93	73.94	74.58	39.5	39.0	40.4	1.90	1.90	1.85
Pittsburgh	79.53	80.01	83.76	38.0	38.1	40.7	2.09	2.10	2.06
Reading	62.90	63.69	66.26	37.8	38.3	39.7	1.66	1.66	1.67
Scranton	54.17	53.96	54.44	37.8	38.0	39.0	1.43	1.42	1.40
Wilkes-Barre-Hazleton	50.69	48.05	50.73	38.0	35.7	37.3	1.33	1.35	1.36
York	62.43	60.81	63.42	41.1	39.9	42.0	1.52	1.52	1.51
RHODE ISLAND.....	59.60	59.87	57.26	39.7	39.1	37.8	1.50	1.53	1.52
Providence	60.30	60.34	59.40	40.2	39.7	39.6	1.50	1.52	1.50
SOUTH CAROLINA.....	49.39	49.01	49.35	39.2	38.9	39.8	1.26	1.26	1.24
Charleston	52.53	53.20	51.09	39.5	39.7	39.3	1.33	1.34	1.30
SOUTH DAKOTA.....	65.56	67.74	62.35	43.2	44.9	42.8	1.52	1.51	1.46
Sioux Falls	71.95	71.37	67.34	44.1	44.2	42.9	1.63	1.61	1.57
TENNESSEE.....	56.94	56.59	57.12	40.1	39.3	40.8	1.42	1.44	1.40
Chattanooga	56.84	55.44	59.04	39.2	38.5	41.0	1.45	1.44	1.44
Knoxville	69.83	65.62	65.44	40.6	38.6	40.9	1.72	1.70	1.60
Memphis	61.71	61.41	63.12	40.6	40.4	41.8	1.52	1.52	1.51
Nashville	59.75	59.00	57.74	40.1	39.6	40.1	1.49	1.49	1.44
TEXAS.....	72.21	72.69	70.81	41.5	41.3	41.9	1.74	1.76	1.69
UTAH.....	73.82	73.53	73.49	39.9	40.4	40.6	1.85	1.82	1.81
Salt Lake City	75.48	74.80	75.12	41.7	41.1	41.5	1.81	1.82	1.81
VERMONT.....	58.87	58.59	62.83	40.6	40.2	43.1	1.45	1.46	1.46
Burlington	57.81	57.18	58.87	39.6	38.5	40.2	1.46	1.48	1.46
Springfield	66.56	66.97	81.98	38.9	38.3	45.8	1.71	1.75	1.79
VIRGINIA.....	56.80	56.77	55.58	40.0	39.7	39.7	1.42	1.43	1.40
Norfolk-Portsmouth	60.25	60.30	59.60	39.9	40.2	40.0	1.51	1.50	1.49
Richmond	61.05	62.42	60.83	40.7	40.8	41.1	1.50	1.53	1.48
WASHINGTON.....	81.45	79.74	79.06	39.4	39.0	38.7	2.07	2.04	2.04
Seattle	77.14	76.46	77.44	38.2	37.9	38.7	2.02	2.02	2.00
Spokane	81.74	81.18	77.59	39.3	39.3	39.1	2.08	2.06	1.98
Tacoma	80.95	82.16	76.67	40.5	39.3	38.9	2.00	2.09	1.97

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		
	1954		1953	1954		1953	1954		1953
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
WEST VIRGINIA.....	\$70.05	\$70.31	\$71.02	38.7	37.2	39.9	\$1.81	\$1.89	\$1.78
Charleston	86.72	89.20	85.26	39.6	40.0	40.6	2.19	2.23	2.10
WISCONSIN.....	73.81	72.95	73.72	40.7	40.8	42.0	1.81	1.79	1.76
Kenosha	79.26	76.92	74.75	39.7	38.7	39.2	2.00	1.99	1.91
La Crosse	73.42	74.68	73.58	40.1	40.3	39.7	1.83	1.85	1.85
Madison	77.32	76.80	72.78	40.1	39.9	39.4	1.93	1.93	1.85
Milwaukee	81.65	81.56	83.07	40.0	40.0	42.0	2.04	2.04	1.98
Racine	79.43	77.40	76.15	40.4	39.4	40.3	1.96	1.96	1.89
WYOMING.....	83.41	83.56	80.54	40.1	39.6	41.3	2.08	2.11	1.95
Casper	94.13	97.29	96.17	40.4	41.4	41.1	2.33	2.35	2.34

1/ Not available.

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

# Explanatory Notes

## INTRODUCTION

The statistics for nonfarm industries presented in this monthly report are part of the broad program of the Bureau of Labor Statistics to provide timely, comprehensive, accurate, and detailed information for the use of businessmen, government officials, legislators, labor unions, research workers, and the general public, and are an integral part of the Federal statistical system. Current statistics on employment, labor turnover, hours, and earnings are basic indicators of economic change. They are widely used in following business developments and in making decisions in such fields as marketing, personnel, plant location, and government policy. The BLS employment statistics program also provides data used in making official indexes of production, productivity, and national income.

The Bureau publishes monthly statistics on employment, and hours and earnings for the Nation, for all states, and for selected metropolitan areas. For employment, the total of employees in nonagricultural establishments is shown; for hours and earnings, data are available for production workers in manufacturing and selected groups in nonmanufacturing industries. Within these broad activities data are published in varying industry detail. Labor turnover rates are presented for both total manufacturing and component groups, as well as for selected mining and communications industries.

Statistics on the number and proportion of women employees in manufacturing industries and turnover rates for men and women separately are published quarterly. In addition, earnings adjusted for price changes, Federal taxes, and overtime for selected industries appear monthly, as well as indexes of production-worker aggregate weekly man-hours for major manufacturing groups.

These data are reprinted regularly in the Monthly Labor Review. Each of the series, from the earliest period to date, may be obtained by writing to the BLS Division of Manpower and Employment Statistics. Such requests should specify the industry series desired.

More detailed descriptions of these series are available through reprints of Technical Notes which may be obtained upon request:

"Technical Note on the Measurement of Industrial Employment"

"Technical Note on Measurement of Labor Turnover"

"Technical Note on Hours and Earnings in Nonagricultural Industries"

## Section A - EMPLOYMENT

### Definition of Employment

BLS employment statistics represent the total number of full- and part-time nonagricultural workers on establishment payrolls during a specified period each 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.

Employment data for nongovernmental establishments refer to persons who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. Current data for Federal Government establishments generally refer to persons who worked on, or received pay for, the last day of the month; for State and local government, persons who received pay for any part of the pay period ending on, or immediately prior to, the last day of the month.

Beginning with January 1952, the data for Federal employment are not strictly comparable with those for prior years, primarily as a result of changes in definition. For the national series and except for a few states and areas as noted the following changes were made starting with that month: (1) data refer to the last day of the month rather than the first of the month; (2) employment of the Federal Reserve Banks and of the mixed ownership banks of the Farm Credit Administration was transferred from the Federal total to the "Banks and Trust Companies" group of the "Finance, Insurance, and Real Estate" division; (3) fourth-class postmasters, formerly included only in the table showing Federal civilian employment, are now included in all tables showing government series.

### Collection of Establishment Reports

The employment program is based on establishment payroll reports. An establishment is defined as a single physical location, such as a factory, mine, or store where business is conducted. In the case of a company with several plants or establishments, the BLS endeavors to obtain separate reports from each business unit which maintains separate payroll records, since each may be classified in a different industry.

The BLS, with the cooperation of State agencies, collects current employment, payroll, and man-hour information by means of "shuttle" schedules (BLS 790 Forms) mailed monthly to individual establishments. This shuttle schedule, which has been used by BLS for more than 20 years, is designed to assist firms to report consistently, accurately, and with a minimum of cost. 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 schedules to the BLS Division of Manpower and Employment Statistics for use in preparing the national series. Each questionnaire provides a line for the State agency to enter data for December of the previous year, as well as lines for the cooperating establishments to report for each month of the current calendar year. The December data, copied from the completed previous year's form, give the reporter a means for comparison when reporting for January as

an aid to collector of consistent data. The same form is returned each month to the reporting establishment to be completed. Definitions of terms are described in detail in the instructions on each form.

#### Coverage of Establishment Reports

The Bureau of Labor Statistics obtains monthly reports from approximately 155,000 establishments, distributed by industry as shown by the following table. 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 divisions may vary from the proportions shown.

Approximate size and coverage of monthly sample used in BLS employment and payroll statistics <sup>1/</sup>

Division or industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Mining.....	3,300	440,000	50
Contract construction..	19,700	783,000	28
Manufacturing.....	44,100	11,207,000	68
Transportation and public utilities:			
Interstate railroads (ICC).....	---	1,357,000	96
Other transportation and public utilities (BLS).....	13,600	1,430,000	51
Wholesale and retail trade.....	60,300	1,889,000	19
Finance, insurance, and real estate.....	10,600	486,000	25
Service and miscellaneous:			
Hotels and lodging places.....	1,300	145,000	31
Personal services: Laundries and cleaning and dyeing plants.....	2,300	99,000	19
Government:			
Federal (Civil Service Commission) .....	---	2,368,000	100
State and local (Bureau of the Census)	---	2,760,000	67

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

#### Classification of Establishment Reports

To present meaningful tabulations of employment, hours, earnings, and labor turnover data, establishments are classified into industries on the basis of the principal product or activity determined from information on annual sales volume. This information is collected annually on a product supplement to the monthly report. The supplement provides for reporting the percentage of total sales represented by each product. In the case of an establishment making more than one product, the entire employment of the plant is included under the industry indicated by the most important product. The titles and descriptions of industries presented in the 1945 Standard Industrial Classification Manual, Vol. I (U. S. Bureau of the Budget, Washington, D. C.) are used for classifying reports from manufacturing establishments; the 1942

Industrial Classification Code, (U. S. Social Security Board) for reports from nonmanufacturing establishments.

#### Benchmark Data

Experience with employment statistics has shown that without adjustment to new benchmarks, the employment estimate tends toward understatement which becomes larger as the distance from the earlier benchmark increases. To adjust for this, the estimates must be periodically compared with actual counts of employment in the various nonagricultural industries, and appropriate revisions made as indicated by the total counts or benchmarks.

Basic sources of benchmark information are 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. For industries not covered by either of the two programs, benchmarks are compiled from special establishment censuses: for example, for interstate railroads, from establishment data reported to the ICC; for State and local government, from data reported to the Bureau of the Census; for the Federal government, from agency data compiled by the Civil Service Commission. Establishments are classified into the same industrial groupings for benchmark purposes as they are for monthly reporting.

At the time new benchmark data become available, the BLS estimates which had been prepared for the benchmark quarter are compared with the levels of the benchmarks, industry by industry. Where revisions are necessary, the levels are adjusted between the new benchmark and the last previous one. Following revision for these intermediate periods, the industry data from the most recent benchmark are projected to the current month by application of the sample trends used prior to the revision. The benchmark establishes the level, while the sample determines the trend.

#### Estimating Method

The estimating procedure for industries for which data on both "all employees" and "production and related workers" are published (i.e., manufacturing and selected mining industries) is outlined below; the first step of 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 a 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 those establishment reports which show data for both items. Thus, if these firms in April report 24,400 production

workers and a total of 30,500 employees, the ratio of production workers to all employees would be .80 (24,400 divided by 30,500). 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.

Comparability With Other Employment Estimates

Data published by other government and private agencies 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 Bureau 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 based on 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. The two series also differ in date of reference, BLS collecting data for the pay period ending nearest the 15th of the month (except for government), while the MRLF relates to the calendar week containing the 8th day of the month.

Employment estimates derived 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.

Employment Statistics for States and Areas

State and area employment statistics are collected and prepared by State agencies in cooperation with the Bureau of Labor Statistics. These statistics are based on the same reports used for preparing national estimates. State 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 Bureau of Labor Statistics. State and area data in greater industry detail and for earlier periods may be secured directly upon request to the appropriate State agency or to the Bureau of Labor Statistics. The names and addresses of these agencies are listed on the inside back cover of this report.

- EMPLOYMENT -

SUMMARY OF METHODS OF COMPUTATION

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> (for mining and manufacturing)	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.
<b>ANNUAL DATA</b>		
<u>All employees and production workers</u>	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.

## Section B - LABOR TURNOVER

### Definition of Labor Turnover

"Labor turnover," as used in this series, refers to the gross movement of wage and salary workers into and out of employment status with respect to individual firms. This movement is subdivided into two broad types: accessions (new hires and rehires) and separations (terminations of employment initiated by either the employer or the employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. Rates of accession and separation are shown separately. All employees, including executive, office, sales, and other salaried personnel as well as 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.

The terms used in labor turnover statistics are defined in the glossary under "Labor Turnover."

### Source of Data and Sample Coverage

Labor turnover data are obtained each month from a sample of establishments by means of a mail questionnaire. Schedules are received from approximately 7,100 cooperating establishments in the manufacturing, mining, and communication industries (see below). The definition of manufacturing used in the turnover series is more restricted than in the BLS series on employment and hours and earnings because of the exclusion of certain manufacturing industries from the labor turnover sample. The major industries excluded are: printing, publishing, and allied industries (since April 1943); canning and preserving fruits, vegetables, and sea foods; women's and misses' outerwear; and fertilizer.

Approximate coverage of BLS labor turnover sample

Group and industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Manufacturing.....	6,600	4,800,000	34
Durable goods.....	4,000	3,400,000	38
Nondurable goods.....	2,600	1,400,000	27
Metal mining.....	130	63,000	60
Coal mining:			
Anthracite.....	40	30,000	45
Bituminous.....	275	120,000	33
Communication:			
Telephone.....	(1/)	582,000	89
Telegraph.....	(1/)	28,000	60

1/ Data are not available.

### 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 (both wage and salary workers), 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 industry groups, the rates for the component industries are weighted by the estimated employment. Rates for the durable and non-durable goods subdivisions and manufacturing division are computed by weighting the rates of major industry groups by the estimated employment.

### Classification of Establishment Reports

Beginning with data for January 1950, manufacturing establishments reporting labor turnover are classified in accordance with the Standard Industrial Classification (1945) code structure. Definitions of nonmanufacturing industries are based on the Social Security Board Classification Code (1942).

For additional details, see Section A-Employment.

### 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. Labor turnover rates for many individual industries and industry groups for the period prior to January 1950 are not comparable with the rates 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 is not as large as the employment sample and includes proportionately fewer small plants; certain industries are not covered (see paragraph on source of data and sample coverage).
- (3) Plants are not included in the turnover computations in months when work stoppages are in progress; the influence of such stoppages is reflected, however, in the employment figures.

## Section C - HOURS AND EARNINGS

### Production and Nonsupervisory-Worker Employment, Payroll, and Man-Hours

The monthly employment and payroll schedule provides the following information required to compute averages

of hours and earnings:

(1) The number of full- and part-time production workers or nonsupervisory employees who worked during, or received pay for, any part of the pay period reported. Data cover production and related workers in manufacturing, mining, laundries, and cleaning and dyeing plants. Employees covered in the contract construction industries are those engaged in actual construction work. For the remaining industries, unless otherwise noted, data refer to all nonsupervisory employees and working supervisors. (See glossary.)

(2) Total gross payrolls for such workers before deductions for old-age and unemployment insurance, withholding tax, bonds, union dues, and special clothing allowances. The payroll figures also include pay for sick leave, holidays, and vacations taken. Excluded are: cash payments for vacations not taken; retroactive pay not earned during the period reported; value of payments in kind; contributions to welfare funds, and insurance or pension plans; and commissions and bonuses, unless earned and paid regularly each pay period.

(3) Total man-hours, whether worked or paid for, of full- and part-time production or nonsupervisory workers including hours paid for holidays, sick leave, and vacations taken. If employees elect to work during a vacation period, only actual hours worked by such employees are included.

The period reported generally represents the weekly pay period ending nearest the 15th of the month. Some establishments, however, use a 2-week or longer pay period. Such schedules are edited to reduce the payroll and man-hour aggregates to their proper equivalents for a weekly period.

#### Collection of Establishment Reports

See Section A-Employment.

#### Coverage of Establishment Reports

See Section A-Employment.

#### Classification of Establishment Reports

See Section A-Employment.

#### Description of Gross Average Hourly and Weekly Earnings Series

The average hourly earnings information for manufacturing and nonmanufacturing 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 should not be confused with 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 should not be interpreted as representing 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.

In addition to the factors mentioned, which exert varying influences upon gross average hourly earnings, gross average weekly earnings are affected by changes in the length of the workweek, part-time work, stoppages for varying causes, labor turnover, and absenteeism. Gross weekly earnings are not the amount actually available to workers for spending because no deduction has been made for income and social security taxes, group insurance, occupational supplies, and union dues. For weekly earnings after deduction for Federal taxes see table C-3. For approximations of "real" gross weekly earnings, i.e., after adjustment for price changes, see table C-2.

#### 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 the hours of workers who are on the payroll during the whole workweek. Group averages further reflect changes in the workweek of component industries.

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

Table C-2 shows gross average weekly earnings in both current and 1947-49 dollars for selected industries. These series indicate changes in the level of weekly earnings before and after adjustment for changes in purchasing power as determined from the Bureau's Consumer Price Index. The 3-year average—1947, 1948, and 1949—was selected as the base in conformity with the Bureau of the Budget recommendations that Federal statistics have a common 1947-49 base period.

#### Net Spendable Average Weekly Earnings

Net spendable average weekly earnings are obtained by deducting appropriate amounts for social security and Federal 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; (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. The spendable series measures relative changes in the average disposable earnings for two types of income-receivers.

Net spendable weekly earnings in 1947-49 dollars represent an approximate measure of changes in "real" net spendable weekly earnings as indicated by the changes in the Bureau's Consumer Price Index. "Real" net spendable weekly earnings are computed by applying the current CPI to 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.

A detailed technical note on net spendable weekly earnings may be obtained upon request.

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

The Bureau publishes average hourly earnings exclusive of overtime premium payments for manufacturing as a whole and the durable- and nondurable-goods subdivisions. 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 additional earnings due to overtime paid for at one and one-half time 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 penalty rates other than time and one-half.

The set of adjustment factors can be used to eliminate premium overtime payments from average hourly earnings in any manufacturing industry where overtime for individual workers consists typically of hours in excess of 40 per week paid for at the rate of time and one-half. As these factors yield results which are only approximate, they may not be appropriate when exact figures are required.

Indexes of Production-Worker Aggregate Weekly Man-hours

The indexes of production-worker 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 production-worker employment.

The aggregate man-hours are defined as total man-hours for which pay was received by full- and part-time production 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. Aggregate man-hours differ from scheduled man-hours due to such factors as absenteeism, labor turnover, part-time work, and stoppages.

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 (ICC Group I). Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Because hours and earnings data for manufacturing and other nonmanufacturing industries are based upon reports to the Bureau of Labor Statistics 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.

Hours and Gross Earnings for Selected States and Areas

The State and area hours and earnings data for manufacturing are prepared by cooperating State agencies. These estimates are based on the same reports used in preparing national estimates. Inasmuch as the estimates presented in this report relate only to manufacturing as a whole, variations in earnings among the States and areas are, to a large degree, caused by differences in industrial composition. For additional details on State and area statistics see Section A-Employment.

**- HOURS AND EARNINGS - SUMMARY OF METHODS OF COMPUTATION**

Item	Individual manufacturing and nonmanufacturing industries	Manufacturing division, groups, subgroups, and nonmanufacturing groups
<b>MONTHLY DATA</b>		
<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> (i n d o l l a r s)	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> (i n d o l l a r s)	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
<b>ANNUAL DATA</b>		
<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> (i n d o l l a r s)	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> (i n d o l l a r s)	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.



## Section D - GLOSSARY

**ALL EMPLOYEES** - Includes production and related workers as defined below and workers engaged in the following activities: executive, purchasing, finance, accounting, legal, personnel (including cafeterias, medical, etc.), professional and technical activities, sales, sales-delivery, advertising, credit collection, and installation and servicing of own products, routine office functions, factory supervision (above the working foreman level). Also includes 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 preassembling) 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 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.

**FINANCE, INSURANCE, AND REAL ESTATE** - Covers establishments operating in the fields of finance, insurance, and real estate, and beginning January 1952, also includes the Federal Reserve Banks and the mixed-ownership banks of the Farm Credit Administration for national and most State and area estimates. However, in a few State and area estimates the latter two agencies are included under Government until revisions can be made by the cooperating State agencies concerned. These exceptions are appropriately noted.

**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. Fourth-class postmasters are included in the national series and most State and area series. Exceptions are noted. 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 seven 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 seven 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 thirty 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 separation, or other absences who have been counted as separations are considered accessions.

**MANUFACTURING** - Covers only private establishments. Government manufacturing operations such as arsenals and navy yards are excluded from manufacturing and 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 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.

**PAYROLL** - Private payroll represents the weekly payroll of both full- and part-time production and related workers who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month, before deduction 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 record-keeping 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. Nongovernment 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 services incidental to the sales of goods. Similar Government establishments are included under Government.