



# Employment and Earnings

JANUARY 1955

Vol. 1 No. 7

## A GUIDE TO USERS OF

### BLS EARNINGS SERIES FOR

### ESCALATING LABOR COSTS.....

Many long-term sales contracts provide for the use of BLS earnings series to escalate labor costs. Questions on these series which are frequently encountered in writing such provisions, are answered on pages x and xi. Reprints are available upon request.

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# Employment Trends

## NONFARM EMPLOYMENT UP IN DECEMBER UNDERLYING JOB SITUATION STABLE

Nonfarm employment increased 600,000 between November and December to a total of 49.4 million, as Christmas season increases in retail trade and post office employment more than counterbalanced seasonal declines in construction and the service industries. In the manufacturing sector, employment which usually dips at this time of year, was unchanged between November and December because of rising automobile employment, and the factory workweek rose over the month by about a third of an hour. Weekly pay of factory production workers was at an alltime peak in December, exceeding the previous record reached a month earlier.

Employment in trade establishments rose by 540,000 between November and December, as retail stores expanded their staffs for the Christmas shopping season. The December rise brought trade employment to 11.3 million, about the same as last year's record level for the month. At the same time, Federal Government added 298,000 employees as post offices hired temporary workers to handle Christmas mailings.

The number of workers on construction contractors' payrolls declined by 170,000, reflecting the winter slowdown. Nevertheless, at 2.6 million in December 1954, construction employment remained at the high levels which prevailed in 1954. Employment changes in the service, finance, and transportation industries, were small and in line with seasonal expectations. Employment was at record December levels both in service establishments, at 5.5 million, and in financial enterprises, at 2.1 million.

## FACTORY EMPLOYMENT STEADY OVER THE MONTH

Manufacturing employment, at 16.1 million, was unchanged from November. Sixty-two thousand workers were added to the work force in transportation equipment plants as the expansion of the automobile industry continued into the third month. Leather also showed more-than-usual strength and so did a number of miscellaneous manufacturing industries. On the other hand, fabricated metals and electrical machinery, which generally report employment gains at this time of year, registered declines between November and December. In machinery, the increase of 8,000 was somewhat less than usual.

Despite gains in recent months, factory employment in December was 4 percent below year ago levels, with almost all industry groups down over the year. The largest loss--about 150,000--was recorded in machinery. Transportation equipment plants reduced payrolls by 105,000 workers over the year, largely resulting from declines in shipbuilding, railroad equipment, and automobile employment. On the other hand, in the lumber industry, where demand has been supported by high levels of construction activity, employment was up 40,000 over a year ago. In both paper and printing, employment remained at high levels during the recent downturn and in December 1954 was slightly higher than a year earlier.

## FACTORY WORKWEEK UP IN DECEMBER 1954

Factory production workers averaged 40.5 hours per week in December 1954--three-tenths of an hour more than in November. Greater than seasonal increases were reported in the rubber, instruments, and miscellaneous manufacturing industries. The workweek did not rise as much as usual in fabricated metals, machinery, and textiles. Hours of work declined between November and December in ordnance, electrical machinery, petroleum, and tobacco, contrasting with rises generally reported at this time of year. In all other industry groups over-the-month changes were seasonal.

The December 1954 level of factory hours was three-tenths of an hour above that of a year earlier, marking the second consecutive month that average weekly hours were higher than in the corresponding 1953 month, when business activity was declining. Nevertheless, average weekly hours in December of this year were somewhat lower than the postwar average for the month.

## WEEKLY EARNINGS AT ALLTIME PEAK

Average weekly earnings of factory production workers in December 1954 were at an alltime peak of \$74.12--55 cents over the previous record reached in the preceding months. The gain primarily resulted from increased hours of work, as hourly pay remained unchanged. The rubber industry group reported the largest increase--\$3.07 a week. Weekly pay was up \$2.35 over the month in the leather industry group. Transportation equipment plants reported a gain of \$1.95 in weekly pay, while rises of more than \$1.50 occurred in printing and instruments. On the other hand, shorter workweeks caused small weekly pay declines in ordnance, lumber, electrical machinery and tobacco.

Gross average weekly pay of factory workers was up \$1.76 over the year, with virtually every industry group reporting some gain. An especially sharp increase--\$10.63--occurred in rubber products as a result of a three-hour increase in the workweek and an 11 cent rise in gross average hourly pay, including overtime and other premium pay. Substantial gains were also reported in transportation equipment (\$6.76) and in lumber (\$3.99). Gains of more than \$2.50 per week were also reported in ordnance, primary metals, food and

chemicals.

Gross average hourly pay of factory production workers, including overtime and other premium pay, at \$1.83 an hour in December 1954, was unchanged from November. Most industry groups showed little or no change in average hourly pay. Decreases of 2 cents were reported in lumber and stone-clay-glass while increases about the same size occurred in the ordnance, apparel, and rubber industries.

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

(In thousands)

Industry division and group	Current			Year ago	December 1954 net change from:	
	Dec. 1/	Nov. 1/	Oct.	Dec.	Previous month	Year ago
<b>TOTAL</b> .....	49,432	48,830	48,668	50,197	+602	-765
<b>MINING</b> .....	713	722	716	822	- 9	-109
Metal mining.....	91.8	92.9	89.7	105.5	- 1.1	- 13.7
Bituminous-coal.....	202.8	204.2	203.2	266.4	- 1.4	- 63.6
Nonmetallic mining and quarrying.....	100.5	103.1	103.7	104.0	- 2.6	- 3.5
<b>CONTRACT CONSTRUCTION</b> .....	2,550	2,722	2,777	2,632	-172	- 82
<b>MANUFACTURING</b> .....	16,102	16,106	16,058	16,765	- 4	-663
<b>DURABLE GOODS</b> .....	9,216	9,178	9,065	9,773	+ 38	-557
Ordnance and accessories.....	158.5	158.3	161.2	240.6	+ .2	- 82.1
Lumber and wood products (except furniture).....	762.3	786.2	789.3	722.5	- 23.9	+ 39.8
Furniture and fixtures.....	352.7	353.6	352.4	356.0	- .9	- 3.3
Stone, clay, and glass products.....	522.9	522.5	521.2	531.0	+ .4	- 8.1
Primary metal industries.....	1,185.6	1,177.3	1,160.4	1,273.7	+ 8.3	- 88.1
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,036.9	1,044.4	1,034.4	1,086.6	- 7.5	- 49.7
Machinery (except electrical).....	1,494.6	1,486.3	1,485.8	1,643.4	+ 8.3	-148.8
Electrical machinery.....	1,126.6	1,128.2	1,114.4	1,187.5	- 1.6	- 60.9
Transportation equipment.....	1,799.1	1,736.7	1,658.4	1,904.3	+ 62.4	-105.2
Instruments and related products.....	303.8	302.8	302.9	332.9	+ 1.0	- 29.1
Miscellaneous manufacturing industries...	473.2	481.7	484.5	494.7	- 8.5	- 21.5
<b>NONDURABLE GOODS</b> .....	6,886	6,928	6,993	6,992	- 42	-106
Food and kindred products.....	1,476.5	1,529.5	1,599.2	1,505.3	- 53.0	- 28.8
Tobacco manufactures.....	110.7	111.4	121.2	112.9	- .7	- 2.2
Textile-mill products.....	1,089.4	1,086.0	1,081.6	1,123.1	+ 3.4	- 33.7
Apparel and other finished textile products.....	1,182.1	1,179.5	1,176.7	1,212.6	+ 2.6	- 30.5
Paper and allied products.....	532.8	533.3	531.8	530.7	- .5	+ 2.1
Printing, publishing, and allied industries.....	819.5	817.3	815.0	814.1	+ 2.2	+ 5.4
Chemicals and allied products.....	786.0	785.8	786.2	800.2	+ .2	- 14.2
Products of petroleum and coal.....	249.3	251.0	251.9	255.4	- 1.7	- 6.1
Rubber products.....	265.4	263.7	260.9	265.9	+ 1.7	- .5
Leather and leather products.....	374.4	370.3	368.2	372.0	+ 4.1	- 2.4
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	3,988	3,989	4,012	4,187	- 1	-199
TRANSPORTATION.....	2,668	2,670	2,691	2,861	- 2	-193
COMMUNICATION.....	738	736	736	747	+ 2	- 9
OTHER PUBLIC UTILITIES.....	582	583	585	579	- 1	+ 3
<b>WHOLESALE AND RETAIL TRADE</b> .....	11,327	10,787	10,581	11,361	+540	- 34
<b>WHOLESALE TRADE</b> .....	2,837	2,841	2,815	2,830	- 4	+ 7
<b>RETAIL TRADE</b> .....	8,490	7,946	7,766	8,531	+544	- 41
General merchandise stores.....	1,904.5	1,526.6	1,409.8	1,960.4	+377.9	- 55.9
Food and liquor stores.....	1,455.6	1,438.0	1,427.7	1,428.7	+ 17.6	+ 26.9
Automotive and accessories dealers.....	817.0	807.8	801.3	839.3	+ 9.2	- 22.3
Apparel and accessories stores.....	721.1	630.0	612.7	720.7	+ 91.1	+ .4
Other retail trade.....	3,591.5	3,543.4	3,514.7	3,582.2	+ 48.1	+ 9.3
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	2,114	2,108	2,110	2,040	+ 6	+ 74
<b>SERVICE AND MISCELLANEOUS</b> .....	5,475	5,509	5,549	5,435	- 34	+ 40
<b>GOVERNMENT</b> .....	7,163	6,887	6,865	6,955	+276	+208
<b>FEDERAL</b> .....	2,468	2,170	2,147	2,480	+298	- 12
<b>STATE AND LOCAL</b> .....	4,695	4,717	4,718	4,475	- 22	+220

1/ Preliminary.

Y

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

(In thousands)

Major industry group	Current			Year ago	Dec. 1954 net change from:	
	Dec. 1/	Nov. 1/	Oct.	Dec.	Previous month	Year ago
<b>MANUFACTURING.....</b>	12,702	12,711	12,652	13,319	- 9	- 617
<b>DURABLE GOODS.....</b>	7,283	7,252	7,133	7,791	+ 31	- 508
Ordnance and accessories.....	109.2	108.9	111.9	183.6	+ .3	- 74.4
Lumber and wood products (except furniture).....	694.1	717.3	720.1	653.5	- 23.2	+ 40.6
Furniture and fixtures.....	297.4	299.2	298.5	301.4	- 1.8	- 4.0
Stone, clay, and glass products.....	439.7	439.7	437.9	447.7	0	- 8.0
Primary metal industries.....	995.5	989.0	969.1	1,074.3	+ 6.5	- 78.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	832.7	839.7	829.2	874.9	- 7.0	- 42.2
Machinery (except electrical).....	1,101.9	1,094.7	1,091.3	1,238.4	+ 7.2	- 136.5
Electrical machinery.....	827.7	831.6	817.3	882.7	- 3.9	- 55.0
Transportation equipment.....	1,383.8	1,323.3	1,245.8	1,486.8	+ 60.5	- 103.0
Instruments and related products.....	213.9	212.8	213.2	240.8	+ 1.1	- 26.9
Miscellaneous manufacturing industries...	386.8	395.3	398.2	407.1	- 8.5	- 20.3
<b>NONDURABLE GOODS.....</b>	5,419	5,459	5,519	5,528	- 40	- 109
Food and kindred products.....	1,054.8	1,106.3	1,168.8	1,082.7	- 51.5	- 27.9
Tobacco manufactures.....	102.0	102.8	111.6	104.3	- .8	- 2.3
Textile-mill products.....	998.3	992.9	988.0	1,028.2	+ 5.4	- 29.9
Apparel and other finished textile products.....	1,053.1	1,051.6	1,049.7	1,083.5	+ 1.5	- 30.4
Paper and allied products.....	439.8	440.6	440.0	442.4	- .8	- 2.6
Printing, publishing, and allied industries.....	526.6	524.1	524.8	524.5	+ 2.5	+ 2.1
Chemicals and allied products.....	527.6	528.3	528.9	540.1	- .7	- 12.5
Products of petroleum and coal.....	173.2	174.3	174.5	180.7	- 1.1	- 7.5
Rubber products.....	207.9	206.6	204.2	208.7	+ 1.3	- .8
Leather and leather products.....	335.7	331.7	328.7	332.4	+ 4.0	+ 3.3

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
	Dec. 1/	Nov. 1/	Dec.	Dec. 1/	Nov. 1/	Dec.	Dec. 1/	Nov. 1/	Dec.
<b>MANUFACTURING.....</b>	<b>\$74.12</b>	<b>\$73.57</b>	<b>\$72.36</b>	<b>40.5</b>	<b>40.2</b>	<b>40.2</b>	<b>\$1.83</b>	<b>\$1.83</b>	<b>\$1.80</b>
<b>DURABLE GOODS.....</b>	<b>80.15</b>	<b>79.15</b>	<b>77.52</b>	<b>41.1</b>	<b>40.8</b>	<b>40.8</b>	<b>1.95</b>	<b>1.94</b>	<b>1.90</b>
Ordnance and accessories.....	81.81	82.01	78.94	40.3	40.8	40.9	2.03	2.01	1.93
Lumber and wood products (except furniture).....	68.31	69.31	64.32	41.4	41.5	40.2	1.65	1.67	1.60
Furniture and fixtures.....	65.41	64.78	63.90	41.4	41.0	40.7	1.58	1.58	1.57
Stone, clay, and glass products.....	73.34	73.98	71.23	41.2	41.1	40.7	1.78	1.80	1.75
Primary metal industries.....	85.57	84.10	82.78	39.8	39.3	39.8	2.15	2.14	2.08
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	80.10	79.52	78.02	41.5	41.2	41.5	1.93	1.93	1.88
Machinery (except electrical).....	83.03	81.81	84.42	40.7	40.3	42.0	2.04	2.03	2.01
Electrical machinery.....	73.93	74.48	72.36	40.4	40.7	40.2	1.83	1.83	1.80
Transportation equipment.....	92.64	90.69	85.88	42.3	41.6	40.7	2.19	2.18	2.11
Instruments and related products.....	76.07	74.56	75.17	40.9	40.3	41.3	1.86	1.85	1.82
Miscellaneous manufacturing industries.....	66.10	65.04	65.53	40.8	40.4	40.7	1.62	1.61	1.61
<b>NONDURABLE GOODS.....</b>	<b>66.47</b>	<b>65.97</b>	<b>64.45</b>	<b>39.8</b>	<b>39.5</b>	<b>39.3</b>	<b>1.67</b>	<b>1.67</b>	<b>1.64</b>
Food and kindred products.....	70.97	70.79	68.15	41.5	41.4	41.3	1.71	1.71	1.65
Tobacco manufactures.....	47.21	47.60	49.13	36.6	36.9	39.3	1.29	1.29	1.25
Textile-mill products.....	54.94	54.66	52.61	40.1	39.9	38.4	1.37	1.37	1.37
Apparel and other finished textile products.....	49.37	48.37	48.82	36.3	36.1	35.9	1.36	1.34	1.36
Paper and allied products.....	75.76	75.76	73.62	42.8	42.8	42.8	1.77	1.77	1.72
Printing, publishing, and allied industries.....	89.93	88.17	88.43	39.1	38.5	39.3	2.30	2.29	2.25
Chemicals and allied products.....	80.51	79.71	77.61	41.5	41.3	41.5	1.94	1.93	1.87
Products of petroleum and coal.....	90.97	93.43	91.98	39.9	40.8	40.7	2.28	2.29	2.26
Rubber products.....	86.29	83.22	75.66	42.3	41.2	39.2	2.04	2.02	1.93
Leather and leather products..	53.27	50.92	52.03	38.6	36.9	37.7	1.38	1.38	1.38

1/ Preliminary.

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

(1947-49=100)

Industry division	Current			Year ago
	Dec. <u>1</u> <sup>1</sup>	Nov. <u>1</u> <sup>1</sup>	Oct.	Dec.
<b>TOTAL</b> .....	113.1	111.7	111.4	114.9
Mining.....	75.2	76.2	75.5	86.7
Contract construction.....	121.1	129.3	131.9	125.0
Manufacturing.....	107.8	107.9	107.6	112.3
Transportation and public utilities.....	98.0	98.0	98.6	102.8
Wholesale and retail trade.....	120.4	114.6	112.5	120.7
Finance, insurance, and real estate...	124.6	124.3	124.4	120.3
Service and miscellaneous.....	111.5	112.2	113.0	110.7
Government.....	127.1	122.2	121.8	123.4

<sup>1</sup>/ Preliminary.

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

(1947-49=100)

Major industry group	Current			Year ago
	Dec. <u>1</u> <sup>1</sup>	Nov. <u>1</u> <sup>1</sup>	Oct.	Dec.
<b>MANUFACTURING</b> .....	102.7	102.8	102.3	107.7
<b>DURABLE GOODS</b> .....	109.1	108.7	106.9	116.7
Ordnance and accessories.....	480.9	480.9	494.1	811.8
Lumber and wood products (except furniture).....	94.0	97.2	97.6	88.6
Furniture and fixtures.....	100.6	101.2	101.2	101.9
Stone, clay, and glass products.....	101.1	101.1	100.7	103.0
Primary metal industries.....	96.8	96.1	94.1	104.3
Fabricated metal products (except ordnance, machinery, and trans- portation equipment).....	106.9	107.8	106.4	112.3
Machinery (except electrical).....	96.9	96.3	96.0	108.9
Electrical machinery.....	129.3	129.9	127.6	137.9
Transportation equipment.....	135.3	129.4	121.8	145.4
Instruments and related products.....	110.3	109.8	109.8	124.2
Miscellaneous manufacturing industries	101.8	103.9	104.7	107.1
<b>NONDURABLE GOODS</b> .....	95.2	95.9	96.9	97.1
Food and kindred products.....	89.1	93.4	98.8	91.5
Tobacco manufactures.....	96.5	97.5	106.0	98.4
Textile-mill products.....	81.7	81.3	80.9	84.1
Apparel and other finished textile products.....	101.1	101.0	100.8	104.1
Paper and allied products.....	109.8	110.1	109.8	110.3
Printing, publishing, and allied industries.....	109.6	109.0	109.2	109.2
Chemicals and allied products.....	103.5	103.5	103.7	105.8
Products of petroleum and coal.....	93.0	93.5	94.1	97.3
Rubber products.....	102.1	101.6	100.2	102.6
Leather and leather products.....	92.9	91.8	91.0	91.8

<sup>1</sup>/ Preliminary.



# Seasonally Adjusted Data

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

Industry division	Index (1947-49=100)				Number (In thousands)			
	December 1954 1/	November 1954 1/	October 1954	December 1953	December 1954 1/	November 1954 1/	October 1954	December 1953
<b>TOTAL</b> .....	110.6	110.7	110.3	112.4	48,349	48,401	48,209	49,109
Mining.....	74.8	75.7	75.5	86.3	709	718	716	818
Contract construction.....	123.6	125.6	124.5	127.6	2,602	2,643	2,620	2,686
Manufacturing.....	107.5	107.3	106.4	111.9	16,043	16,017	15,886	16,704
Transportation and public utilities..	97.7	97.7	98.3	102.6	3,978	3,979	4,002	4,176
Wholesale and retail trade.....	112.1	112.0	111.3	112.4	10,548	10,537	10,476	10,579
Finance, insurance, and real estate..	125.3	124.9	125.1	120.9	2,125	2,119	2,121	2,050
Service and miscellaneous.....	112.6	112.7	113.0	111.8	5,530	5,537	5,549	5,490
Government.....	120.9	121.6	121.3	117.2	6,814	6,851	6,839	6,606

1/ Preliminary.

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

Major industry group	Index (1947-49=100)				Number (In thousands)			
	December 1954 1/	November 1954 1/	October 1954	December 1953	December 1954 1/	November 1954 1/	October 1954	December 1953
<b>MANUFACTURING</b> .....	102.2	102.1	100.9	107.1	12,639	12,625	12,485	13,251
<b>DURABLE GOODS</b> .....	108.5	108.0	106.4	116.1	7,244	7,211	7,104	7,748
Ordnance and accessories.....	480.9	480.9	494.1	811.8	109	109	112	184
Lumber and wood products (except furniture).....	95.9	95.7	95.7	90.4	708	706	706	667
Furniture and fixtures.....	98.5	98.9	99.2	99.9	291	292	293	295
Stone, clay, and glass products.....	100.7	100.7	100.2	102.5	438	438	436	446
Primary metal industries.....	96.3	96.1	94.1	103.9	991	989	969	1,069
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	105.9	107.3	105.9	111.2	825	836	825	866
Machinery (except electrical).....	96.0	97.3	97.9	107.8	1,091	1,106	1,113	1,226
Electrical machinery.....	126.8	128.1	126.3	135.2	812	820	809	866
Transportation equipment.....	135.3	129.4	121.8	145.4	1,384	1,323	1,246	1,487
Instruments and related products.....	109.3	109.3	109.3	123.2	212	212	212	239
Miscellaneous manufacturing industries.....	100.8	100.0	100.8	106.1	383	380	383	403
<b>NONDURABLE GOODS</b> .....	94.7	95.1	94.5	96.6	5,395	5,414	5,381	5,503
Food and kindred products.....	91.7	92.3	90.7	94.1	1,086	1,092	1,073	1,114
Tobacco manufactures.....	89.9	90.9	89.0	91.8	95	96	94	97
Textile-mill products.....	80.4	80.4	80.9	82.9	983	983	988	1,013
Apparel and other finished textile products.....	99.6	101.0	99.3	102.6	1,037	1,052	1,034	1,068
Paper and allied products.....	108.1	109.1	109.8	108.6	433	437	440	435
Printing, publishing, and allied industries.....	108.0	108.0	108.2	107.6	519	519	520	517
Chemicals and allied products.....	102.9	102.5	102.7	105.2	525	523	524	537
Products of petroleum and coal.....	93.5	93.5	94.1	97.8	174	174	175	182
Rubber products.....	100.7	100.2	99.2	101.1	205	204	202	206
Leather and leather products.....	93.5	92.3	91.5	92.3	338	334	331	334

1/ Preliminary.

# *A guide to users of...* BLS Earnings Series for Escalating Labor Costs

The BLS industry series on average hourly earnings published each month are used extensively for escalation purposes in sales contracts. Products valued in excess of hundreds of millions of dollars are being produced under contracts incorporating escalation clauses. These clauses provide for adjusting the sales price for changes in labor costs as determined by the BLS hourly earnings series.

Escalation of labor costs has been found particularly useful in contracting for goods which require a long production period. Allowing for labor costs adjustment during this prolonged period reduces the amount of risk incurred by the seller and thus allows him to accept a lower base price. The buyer has the benefit of the lower price and is assured that the labor cost component of the sales price will change at only the rate experienced by the group of producers being used as a yardstick.

The application of the general-purpose statistics published by BLS to the solution of the specific problem of adjustment of sales price for changes in labor costs, makes it desirable that all contract participants be familiar with certain aspects of these statistics before determining the provisions of the escalator clause. A detailed description of the BLS hours and earnings series is contained in the "Technical Note on Hours and Earnings in Nonagricultural Industries." 1/ Highlights of this Note appear in the Explanatory Notes section of Employment and Earnings. 2/ In addition, a technical note entitled "BLS Earnings Series as Applied to Price Escalation" was published by the Bureau in July 1952. 3/ This note, in part, includes a discussion of the principles of escalator clauses, and the typical form of these clauses.

The more recent experience of the BLS with various contracting parties has indicated a need for a statement which presents in one place the principal points contained in these Notes as well as certain additional items. This presentation is designed to answer those questions relating to the BLS earnings series most frequently encountered in the writing of the escalator clause and to help assure that the clause provides for contingencies which may arise, considering the nature of these series.

## What payments does BLS include in its earnings data?

BLS gross earnings data represent regularly recurring wage and salary payments to production workers (nonsupervisory employees in certain nonmanufacturing

1/ Monthly Labor Review, Vol. 77, No. 4, April 1954, pp. 427-431. Available free in mimeographed form from the Division of Manpower and Employment Statistics.

2/ P. 4-E, this issue.

3/ Weinberg, E., "BLS Earnings as Applied to Price Escalation," Monthly Labor Review, Vol. 75, No. 1, July 1952, pp. 57-59.

industries). That is, they include basic straight-time pay, overtime pay, shift differentials, holiday, vacation, and sick pay, regular production bonuses, etc. They exclude, however, retroactive pay, production bonuses paid at irregular intervals, certain fringe benefits, etc. Thus, BLS earnings include nearly all labor cost, and although they do not represent the level of aggregate labor cost they do indicate, with fair accuracy, the movement of such costs.

The BLS average hourly earnings figure is derived by dividing the earnings total just described by the number of man-hours worked or paid for.

## The sales contract refers to a specific product; which industry series on earnings should be selected as a yardstick to measure changes in labor costs?

To select the appropriate industry it is desirable first to understand how BLS assigns an individual plant to an industry class. Under BLS procedures, the industry classification of a plant is determined by its principal product. If the plant turns out more than one product, its entire employment is included in the industry indicated by the most important product as determined by annual sales volume. Therefore, a specific industry may include employees working on products other than those specified in the industry description.

Earnings data are published for more than 300 industries thus providing the user a wide range of choices. In determining which of these industry series to use, the contracting parties should note that, while the most detailed category is most nearly like the plant in question, the broader one may be more appropriate in certain circumstances. Since the detailed category is composed of fewer plants, sharp changes in employment or earnings in one of these plants may have a substantial effect on the earnings average for this industry. In the broader group such a firm would have less influence and changes for the group as a whole would more closely reflect general earnings developments.

As an aid in selecting the appropriate industry series to be used for escalation, the contracting parties should refer to the Guide to Employment Statistics of BLS, which is available free upon request. The Guide contains, in part, definitions of all industries for which earnings as well as other employment statistics are published.

## Are current hourly earnings averages subject to revision? How are the preliminary data identified?

Current averages may be revised because BLS pub-

lishes earnings data derived from a smaller number of employer reports for the current month than will be available at a later date. This practice is essential to meet the continuing urgent need to have as quickly as possible the maximum amount of current information on the major aspects of the Nation's economy. As these later reports are received they are used in preparing earnings averages which may differ slightly from those initially published. In table C-1 of each Employment and Earnings report, the earnings data for the most recent month are preliminary, that is, subject to revision; the preliminary earnings figures in table 3 are footnoted as such.

In addition, the Bureau periodically (annually, under present plans) adjusts its employment series to a new "benchmark" or complete count. This may occasionally affect some of the earnings averages, causing small adjustments in the revised data. The first publication of data adjusted to new benchmarks is prominently announced at that time by BLS. The contracting parties may wish to provide for this contingency in

the escalation clause, specifying the action to be taken under such circumstances.

Summary tables showing data incorporating these adjustments may be obtained from the BLS upon request.

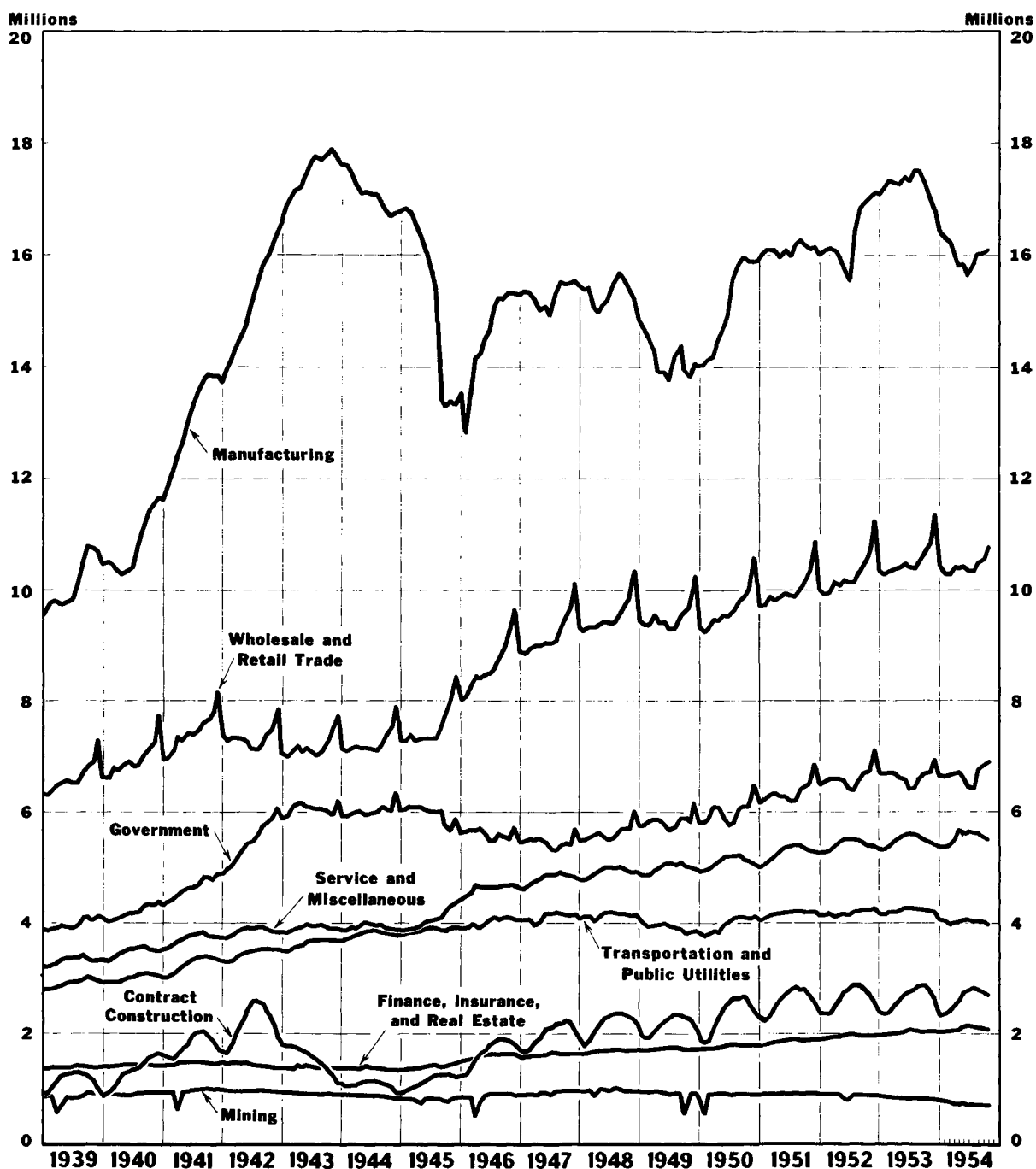
Should the escalator clause specify the publication from which the earnings data are to be obtained?

The specific publication used should be named in order to avoid any difficulties that may arise from the fact that the data are published in several publications. The BLS earnings data are shown in Employment and Earnings, scheduled for publication on the 25th of each month. The data also appear at a later date in this Bureau's Monthly Labor Review and in lesser detail in publications of other government and private agencies.

Prepared in the Office of Review and Evaluation.

# EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS

BY MAJOR INDUSTRY DIVISION, 1939-1954



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS

LATEST DATA PLOTTED FOR NOVEMBER 1954  
(Preliminary)

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

(In thousands)

Year and month	TOTAL	Mining	Contract con- struction	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscel- laneous	Govern- ment
<b>Annual average:</b>									
1919.....	26,829	1,124	1,021	10,534	3,711	4,664	1,050	2,054	2,671
1920.....	27,088	1,230	848	10,534	3,998	4,623	1,110	2,142	2,603
1921.....	24,125	953	1,012	8,132	3,459	4,754	1,097	2,187	2,531
1922.....	25,569	920	1,185	8,986	3,505	5,084	1,079	2,268	2,542
1923.....	28,128	1,203	1,229	10,155	3,882	5,494	1,123	2,431	2,611
1924.....	27,770	1,092	1,321	9,523	3,806	5,626	1,163	2,516	2,723
1925.....	28,505	1,080	1,446	9,786	3,824	5,810	1,166	2,591	2,802
1926.....	29,539	1,176	1,555	9,997	3,940	6,033	1,235	2,755	2,848
1927.....	29,691	1,105	1,608	9,839	3,891	6,165	1,295	2,871	2,917
1928.....	29,710	1,041	1,606	9,786	3,822	6,137	1,360	2,962	2,996
1929.....	31,041	1,078	1,497	10,534	3,907	6,401	1,431	3,127	3,066
1930.....	29,143	1,000	1,372	9,401	3,675	6,064	1,398	3,084	3,149
1931.....	26,383	864	1,214	8,021	3,243	5,531	1,333	2,913	3,264
1932.....	23,377	722	970	6,797	2,804	4,907	1,270	2,682	3,225
1933.....	23,466	735	809	7,258	2,659	4,999	1,225	2,614	3,167
1934.....	25,699	874	862	8,346	2,736	5,552	1,247	2,784	3,298
1935.....	26,792	888	912	8,907	2,771	5,692	1,262	2,883	3,477
1936.....	28,802	937	1,145	9,653	2,956	6,076	1,313	3,060	3,662
1937.....	30,718	1,006	1,112	10,606	3,114	6,543	1,355	3,233	3,749
1938.....	28,902	882	1,055	9,253	2,840	6,453	1,347	3,196	3,876
1939.....	30,287	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	1,982	15,290	4,122	9,196	1,641	4,807	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: 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.....	48,045	737	2,851	15,863	4,030	10,350	2,126	5,634	6,454
September....	48,526	719	2,817	16,019	4,032	10,480	2,115	5,606	6,738
October.....	48,668	716	2,777	16,058	4,012	10,581	2,110	5,549	6,865
November....	48,830	722	2,722	16,106	3,989	10,787	2,108	5,509	6,887

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

(In thousands)

Industry division and group	1954			1953	
	November	October	September	November	October
<b>TOTAL</b> .....	48,830	48,668	48,526	49,851	50,180
<b>MINING</b> .....	722	716	719	829	826
Metal mining.....	92.9	89.7	89.4	105.3	105.1
Anthracite.....	32.1	31.9	25.0	49.0	48.7
Bituminous-coal.....	204.2	203.2	204.7	271.1	269.4
Crude-petroleum and natural-gas production.....	289.4	287.3	294.9	297.4	295.0
Nonmetallic mining and quarrying.....	103.1	103.7	104.6	106.0	107.7
<b>CONTRACT CONSTRUCTION</b> .....	2,722	2,777	2,817	2,789	2,889
<b>NONBUILDING CONSTRUCTION</b> .....	553	584	598	550	594
Highway and street.....	250.7	273.1	281.9	235.3	265.8
Other nonbuilding construction.....	302.2	310.6	316.5	314.5	328.0
<b>BUILDING CONSTRUCTION</b> .....	2,169	2,193	2,219	2,239	2,295
General contractors.....	911.9	926.1	945.6	981.0	1,020.8
Special-trade contractors.....	1,256.6	1,266.4	1,273.8	1,258.3	1,274.1
Plumbing and heating.....	310.6	313.8	312.8	309.8	311.1
Painting and decorating.....	144.5	149.4	158.0	153.2	159.6
Electrical work.....	169.5	168.9	167.6	171.6	172.0
Other special-trade contractors.....	632.0	634.3	635.4	623.7	631.4
<b>MANUFACTURING</b> .....	16,106	16,058	16,019	16,988	17,301
<b>DURABLE GOODS</b> .....	9,178	9,065	8,950	9,897	10,072
Ordnance and accessories.....	158.3	161.2	163.4	246.3	250.7
Lumber and wood products (except furniture)....	786.2	789.3	765.0	764.6	782.3
Furniture and fixtures.....	353.6	352.4	349.6	363.5	367.8
Stone, clay, and glass products.....	522.5	521.2	520.6	542.0	547.7
Primary metal industries.....	1,177.3	1,160.4	1,155.6	1,290.5	1,314.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,044.4	1,034.4	1,026.4	1,114.0	1,135.3
Machinery (except electrical).....	1,486.3	1,485.8	1,494.4	1,644.8	1,659.2
Electrical machinery.....	1,128.2	1,114.4	1,099.3	1,216.6	1,235.8
Transportation equipment.....	1,736.7	1,658.4	1,596.5	1,867.7	1,924.4
Instruments and related products.....	302.8	302.9	302.8	334.3	332.7
Miscellaneous manufacturing industries.....	481.7	484.5	476.6	512.4	521.4
<b>NONDURABLE GOODS</b> .....	6,928	6,993	7,069	7,091	7,229
Food and kindred products.....	1,529.5	1,599.2	1,685.8	1,574.2	1,651.4
Tobacco manufactures.....	111.4	121.2	119.5	109.7	117.4
Textile-mill products.....	1,086.0	1,081.6	1,080.2	1,141.4	1,163.2
Apparel and other finished textile products....	1,179.5	1,176.7	1,179.1	1,214.1	1,231.3
Paper and allied products.....	533.3	531.8	532.2	535.0	537.7
Printing, publishing, and allied industries....	817.3	815.0	810.8	810.5	809.3
Chemicals and allied products.....	785.8	786.2	782.2	807.8	811.2
Products of petroleum and coal.....	251.0	251.9	254.2	258.0	260.7
Rubber products.....	263.7	260.9	255.9	267.6	273.1
Leather and leather products.....	370.3	368.2	369.4	373.0	374.1

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

(In thousands)

Industry division and group	1954			1953	
	November	October	September	November	October
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	<b>3,989</b>	<b>4,012</b>	<b>4,032</b>	<b>4,216</b>	<b>4,257</b>
TRANSPORTATION.....	2,670	2,691	2,704	2,887	2,927
Interstate railroads.....	1,186.9	1,206.8	1,215.7	1,353.9	1,382.6
Class I railroads.....	1,035.4	1,054.6	1,062.8	1,188.0	1,214.6
Local railways and bus lines.....	118.1	119.6	120.4	127.5	128.1
Trucking and warehousing.....	707.0	705.4	702.0	733.7	740.2
Other transportation and services.....	658.3	659.5	666.2	672.1	676.4
Bus lines, except local.....	46.3	47.0	47.9	51.7	52.2
Air transportation (common carrier).....	104.4	104.3	105.0	105.8	105.7
<b>COMMUNICATION.....</b>	<b>736</b>	<b>736</b>	<b>738</b>	<b>749</b>	<b>750</b>
Telephone.....	694.3	693.9	696.2	705.2	705.6
Telegraph.....	40.8	41.0	41.2	42.6	43.6
<b>OTHER PUBLIC UTILITIES.....</b>	<b>583</b>	<b>585</b>	<b>590</b>	<b>580</b>	<b>580</b>
Gas and electric utilities.....	558.7	560.0	564.4	556.3	555.8
Local utilities, not elsewhere classified.....	24.4	24.7	25.1	23.7	23.8
<b>WHOLESALE AND RETAIL TRADE.....</b>	<b>10,787</b>	<b>10,581</b>	<b>10,480</b>	<b>10,828</b>	<b>10,669</b>
WHOLESALE TRADE.....	2,841	2,815	2,786	2,831	2,808
RETAIL TRADE.....	7,946	7,766	7,694	7,997	7,861
General merchandise stores.....	1,526.6	1,409.8	1,359.6	1,581.0	1,476.3
Food and liquor stores.....	1,438.0	1,427.7	1,413.2	1,415.3	1,405.2
Automotive and accessories dealers.....	807.8	801.3	803.9	830.0	826.9
Apparel and accessories stores.....	630.0	612.7	594.5	629.8	616.9
Other retail trade.....	3,543.4	3,514.7	3,522.5	3,540.5	3,535.9
<b>FINANCE, INSURANCE, AND REAL ESTATE.....</b>	<b>2,108</b>	<b>2,110</b>	<b>2,115</b>	<b>2,034</b>	<b>2,040</b>
Banks and trust companies.....	526.5	525.7	527.2	513.7	512.0
Security dealers and exchanges.....	69.9	69.2	68.8	64.3	64.6
Insurance carriers and agents.....	783.6	782.3	782.0	756.6	754.3
Other finance agencies and real estate.....	727.8	733.0	737.3	698.9	709.4
<b>SERVICE AND MISCELLANEOUS.....</b>	<b>5,509</b>	<b>5,549</b>	<b>5,606</b>	<b>5,467</b>	<b>5,506</b>
Hotels and lodging places.....	467.7	478.8	515.7	477.3	490.2
Personal services:					
Laundries.....	328.0	329.5	329.1	336.5	338.1
Cleaning and dyeing plants.....	165.3	166.4	163.4	169.9	170.3
Motion pictures.....	228.6	234.4	237.4	228.8	233.5
<b>GOVERNMENT.....</b>	<b>6,887</b>	<b>6,865</b>	<b>6,738</b>	<b>6,700</b>	<b>6,692</b>
FEDERAL.....	2,170	2,147	2,141	2,203	2,205
STATE AND LOCAL.....	4,717	4,718	4,597	4,497	4,487

# Industry Employment

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953
<b>MINING.....</b>	722	716	719	829	-	-	-	-
<b>METAL MINING.....</b>	92.9	89.7	89.4	105.3	78.5	76.1	75.4	90.7
Iron mining.....	29.8	31.9	33.4	39.7	25.4	27.6	28.8	35.0
Copper mining.....	28.6	24.8	22.6	29.2	24.0	20.7	18.6	25.0
Lead and zinc mining.....	13.8	13.4	13.6	15.5	11.6	11.2	11.4	12.9
<b>ANTHRACITE.....</b>	32.1	31.9	25.0	49.0	29.2	29.2	21.4	45.1
<b>BITUMINOUS-COAL.....</b>	204.2	203.2	204.7	271.1	185.6	185.3	186.7	251.0
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION.....</b>	289.4	287.3	294.9	297.4	-	-	-	-
Petroleum and natural-gas production (except contract services).....	-	-	-	-	126.1	127.4	131.5	129.0
<b>NONMETALLIC MINING AND QUARRYING..</b>	103.1	103.7	104.6	106.0	88.0	89.0	89.7	91.2
<b>MANUFACTURING.....</b>	16,106	16,058	16,019	16,988	12,711	12,652	12,611	13,534
Durable Goods.....	9,178	9,065	8,950	9,897	7,252	7,133	7,015	7,910
Nondurable Goods.....	6,928	6,993	7,069	7,091	5,459	5,519	5,596	5,624
<b>ORDNANCE AND ACCESSORIES .....</b>	158.3	161.2	163.4	246.3	108.9	111.9	114.0	187.4
<b>FOOD AND KINDRED PRODUCTS.....</b>	1,529.5	1,599.2	1,685.8	1,574.2	1,106.3	1,168.8	1,251.6	1,149.0
Meat products.....	331.5	331.4	326.7	341.4	262.5	262.2	257.0	272.5
Dairy products.....	115.1	117.2	121.7	114.6	75.2	76.8	80.5	76.1
Canning and preserving.....	202.2	262.2	362.6	213.8	176.1	233.5	332.2	183.8
Grain-mill products.....	118.1	120.7	123.4	117.6	85.8	88.1	90.9	85.7
Bakery products.....	285.1	286.7	285.1	288.4	174.4	175.1	172.9	180.3
Sugar.....	50.8	47.3	32.1	52.6	44.9	41.0	26.7	45.7
Confectionery and related products.....	87.7	89.7	85.7	93.0	73.4	75.3	71.5	78.4
Beverages.....	205.4	207.7	211.7	212.0	118.3	118.6	122.1	125.2
Miscellaneous food products.....	133.6	136.3	136.8	140.8	95.7	98.2	97.8	101.3
<b>TOBACCO MANUFACTURES.....</b>	111.4	121.2	119.5	109.7	102.8	111.6	110.3	101.1
Cigarettes.....	33.0	32.9	32.4	32.0	30.0	29.7	29.4	28.9
Cigars.....	40.9	40.7	40.7	41.7	39.0	38.7	38.7	39.8
Tobacco and snuff.....	7.7	7.7	7.7	8.2	6.6	6.6	6.7	6.9
Tobacco stemming and redrying....	29.8	39.9	38.7	27.8	27.2	36.6	35.5	25.5
<b>TEXTILE-MILL PRODUCTS.....</b>	1,086.0	1,081.6	1,080.2	1,141.4	992.9	988.0	986.5	1,046.0
Scouring and combing plants.....	5.0	5.2	5.8	5.6	4.5	4.7	5.3	5.1
Yarn and thread mills.....	125.3	124.3	123.8	135.7	116.4	115.0	114.5	125.8
Broad-woven fabric mills.....	483.3	481.9	481.7	514.9	455.1	453.1	452.7	485.1
Narrow fabrics and smallwares....	29.4	29.1	29.0	30.6	25.6	25.4	25.3	27.0
Knitting mills.....	225.7	225.5	225.3	225.4	204.0	204.2	204.4	204.3
Dyeing and finishing textiles....	89.4	88.2	87.4	90.5	78.4	77.4	76.7	80.2
Carpets, rugs, other floor coverings.....	50.7	51.2	51.2	55.4	42.6	42.9	42.8	46.4
Hats (except cloth and millinery).....	14.0	13.9	14.6	16.0	12.4	12.3	13.0	14.4
Miscellaneous textile goods.....	63.2	62.3	61.4	67.3	53.9	53.0	51.8	57.7



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

(In thousands)

Industry group and industry	All employees				Production workers			
	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	1,179.5	1,176.7	1,179.1	1,214.1	1,051.6	1,049.7	1,053.1	1,084.6
Men's and boys' suits and coats..	119.0	122.6	127.0	135.2	106.1	109.9	114.3	121.4
Men's and boys' furnishings and work clothing.....	298.2	298.2	296.1	308.2	275.4	275.8	272.7	284.5
Women's outerwear.....	353.1	345.4	352.2	352.6	312.6	305.1	312.1	312.0
Women's, children's under garments.....	115.0	114.7	112.1	115.4	102.5	101.8	99.7	102.7
Millinery.....	18.1	20.2	20.9	18.1	16.0	18.0	18.7	15.8
Children's outerwear.....	74.4	75.4	75.4	69.2	67.2	68.5	68.7	62.7
Fur goods.....	13.4	11.6	12.1	13.1	10.3	8.7	9.1	10.2
Miscellaneous apparel and accessories.....	63.5	63.2	62.1	63.2	56.8	56.5	55.6	56.4
Other fabricated textile products.....	124.8	125.4	121.2	139.1	104.7	105.4	102.2	118.9
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	786.2	789.3	765.0	764.6	717.3	720.1	696.8	695.3
Logging camps and contractors....	131.2	130.7	112.6	108.5	123.2	123.1	104.8	100.9
Sawmills and planing mills.....	408.5	410.3	406.3	406.9	379.1	380.8	377.6	377.0
Millwork, plywood, and prefabricated structural wood products..	135.0	135.6	134.3	128.1	114.4	114.5	113.5	107.6
Wooden containers.....	58.4	59.5	58.7	63.5	54.0	55.0	54.1	58.9
Miscellaneous wood products.....	53.1	53.2	53.1	57.6	46.6	46.7	46.3	50.9
<b>FURNITURE AND FIXTURES.....</b>	353.6	352.4	349.6	363.5	299.2	298.5	295.5	308.4
Household furniture.....	252.3	250.9	248.0	256.5	219.6	219.1	215.9	223.4
Office, public-building, and professional furniture.....	41.5	41.5	42.1	42.0	33.5	33.3	33.9	34.0
Partitions, shelving, lockers, and fixtures.....	33.7	33.6	33.4	35.7	25.9	25.6	25.4	27.7
Screens, blinds, and miscellaneous furniture and fixtures.....	26.1	26.4	26.1	29.3	20.2	20.5	20.3	23.3
<b>PAPER AND ALLIED PRODUCTS.....</b>	533.3	531.8	532.2	535.0	440.6	440.0	440.9	446.3
Pulp, paper, and paperboard mills.....	258.9	258.4	260.3	259.2	217.7	217.6	220.0	220.0
Paperboard containers and boxes..	150.0	149.7	148.6	153.6	124.6	124.0	122.9	127.5
Other paper and allied products..	124.4	123.7	123.3	122.2	98.3	98.4	98.0	98.8
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	817.3	815.0	810.8	810.5	524.1	524.8	523.3	522.1
Newspapers.....	297.1	296.2	295.1	293.3	148.2	148.4	147.3	146.6
Periodicals.....	64.3	62.9	62.1	64.8	25.6	26.1	25.8	26.5
Books... ..	51.6	52.2	51.9	51.4	31.4	31.8	31.9	30.1
Commercial printing.....	209.2	209.7	209.5	208.1	169.5	169.6	170.4	169.4
Lithographing.....	61.1	60.8	60.1	60.9	46.5	46.5	46.0	47.0
Greeting cards.....	22.3	21.4	21.0	21.7	16.6	16.0	15.8	16.6
Bookbinding and related industries.....	43.4	43.8	43.9	44.7	34.3	34.6	34.8	34.9
Miscellaneous publishing and printing services.....	68.3	68.0	67.2	65.6	52.0	51.8	51.3	51.0

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	785.8	786.2	782.2	807.8	528.3	528.9	524.3	547.7
Industrial inorganic chemicals....	96.3	96.3	95.8	94.0	68.2	68.2	67.3	66.9
Industrial organic chemicals.....	297.8	295.5	295.4	318.5	204.7	202.0	200.9	219.7
Drugs and medicines.....	92.9	92.7	92.5	91.1	57.5	57.8	57.5	57.6
Soap, cleaning and polishing preparations.....	51.8	52.0	52.3	51.4	31.6	31.7	32.0	31.4
Paints, pigments, and fillers....	72.2	71.8	72.3	74.5	45.5	45.4	45.7	46.3
Gum and wood chemicals.....	8.3	8.3	8.3	8.3	7.1	7.0	7.0	7.2
Fertilizers.....	33.3	34.8	33.7	32.4	25.0	26.1	25.3	24.3
Vegetable and animal oils and fats.....	44.2	45.2	42.2	47.4	31.6	32.7	30.4	34.9
Miscellaneous chemicals.....	89.0	89.6	89.7	90.2	57.1	58.0	58.2	59.4
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	251.0	251.9	254.2	258.0	174.3	174.5	177.1	183.8
Petroleum refining.....	202.2	202.9	204.5	205.0	135.1	135.1	137.2	140.8
Coke and other petroleum and coal products.....	48.8	49.0	49.7	53.0	39.2	39.4	39.9	43.0
<b>RUBBER PRODUCTS.....</b>	263.7	260.9	255.9	267.6	206.6	204.2	198.9	210.0
Tires and inner tubes.....	113.3	114.5	113.5	114.3	85.6	86.5	85.2	87.3
Rubber footwear.....	27.4	27.0	26.1	29.2	22.2	21.9	21.0	23.7
Other rubber products.....	123.0	119.4	116.3	124.1	98.8	95.8	92.7	99.0
<b>LEATHER AND LEATHER PRODUCTS.....</b>	370.3	368.2	369.4	373.0	331.7	328.7	330.0	333.6
Leather: tanned, curried, and finished.....	42.7	42.7	42.5	45.0	38.4	38.4	38.1	40.4
Industrial leather belting and packing.....	4.6	4.6	4.5	5.1	3.5	3.5	3.5	4.1
Boot and shoe cut stock and findings.....	15.6	14.9	14.3	16.0	13.9	13.2	12.6	14.2
Footwear (except rubber).....	240.4	237.6	240.9	238.9	216.9	213.1	216.6	215.0
Luggage.....	14.9	15.8	15.8	17.1	12.7	13.6	13.6	14.9
Handbags and small leather goods.....	34.7	34.6	33.5	33.4	31.2	31.3	30.1	30.0
Gloves and miscellaneous leather goods.....	17.4	18.0	17.9	17.5	15.1	15.6	15.5	15.0
<b>STONE, CLAY, AND GLASS PRODUCTS....</b>	522.5	521.2	520.6	542.0	439.7	437.9	437.2	458.6
Flat glass.....	32.0	30.2	28.9	31.5	28.8	27.1	25.7	28.3
Glass and glassware, pressed or blown.....	88.9	89.1	89.0	98.7	75.8	75.9	75.7	85.5
Glass products made of purchased glass.....	16.6	16.5	16.2	17.4	14.4	14.2	13.9	15.1
Cement, hydraulic.....	42.4	42.9	42.9	42.3	35.7	36.0	36.1	35.6
Structural clay products.....	79.0	78.9	79.5	79.7	70.4	70.3	70.6	71.6
Pottery and related products.....	55.1	54.5	54.1	55.7	49.1	48.3	48.0	49.1
Concrete, gypsum, and plaster products.....	103.7	103.9	104.8	104.9	84.6	85.0	85.9	86.2
Cut-stone and stone products.....	18.8	19.0	19.1	18.7	16.6	16.7	16.8	16.5
Miscellaneous nonmetallic mineral products.....	86.0	86.2	86.1	93.1	64.3	64.4	64.5	70.7

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953
<b>PRIMARY METAL INDUSTRIES.....</b>	<b>1,177.3</b>	<b>1,160.4</b>	<b>1,155.6</b>	<b>1,290.5</b>	<b>989.0</b>	<b>969.1</b>	<b>965.3</b>	<b>1,088.1</b>
Blast furnaces, steel works, and rolling mills.....	572.8	567.4	570.0	637.7	488.7	481.2	485.0	542.2
Iron and steel foundries.....	215.1	213.5	213.1	232.8	187.0	184.5	184.0	203.6
Primary smelting and refining of nonferrous metals.....	58.4	56.1	56.1	58.9	47.6	45.2	45.5	49.0
Secondary smelting and refining of nonferrous metals.....	12.4	12.2	12.0	13.1	9.2	9.0	8.8	9.7
Rolling, drawing, and alloying of nonferrous metals.....	105.8	104.4	99.7	111.9	84.4	83.2	78.4	90.6
Nonferrous foundries.....	77.1	74.4	72.7	87.5	63.5	60.6	58.6	72.4
Miscellaneous primary metal industries.....	135.7	132.4	132.0	148.6	108.6	105.4	105.0	120.6
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	<b>1,044.4</b>	<b>1,034.4</b>	<b>1,026.4</b>	<b>1,114.0</b>	<b>839.7</b>	<b>829.2</b>	<b>819.9</b>	<b>902.4</b>
Tin cans and other tinware.....	51.6	53.5	58.2	55.0	45.0	46.8	51.3	47.9
Cutlery, hand tools, and hardware.....	147.3	144.3	141.3	152.9	119.7	116.7	113.9	124.6
Heating apparatus (except electric) and plumbers' supplies.....	123.6	124.2	124.3	129.0	97.5	97.9	97.7	102.0
Fabricated structural metal products.....	262.9	267.3	270.6	274.6	198.7	202.8	205.4	211.7
Metal stamping, coating, and engraving.....	227.4	219.8	212.8	251.3	189.8	182.2	175.2	209.6
Lighting fixtures.....	46.5	44.3	42.5	48.8	37.2	35.2	33.4	39.5
Fabricated wire products.....	55.1	53.1	51.6	63.0	45.9	43.9	42.2	53.0
Miscellaneous fabricated metal products.....	130.0	127.9	125.1	139.4	105.9	103.7	100.8	114.1
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	<b>1,486.3</b>	<b>1,485.8</b>	<b>1,494.4</b>	<b>1,644.8</b>	<b>1,094.7</b>	<b>1,091.3</b>	<b>1,095.1</b>	<b>1,240.1</b>
Engines and turbines.....	71.0	73.0	70.9	86.0	49.5	51.6	49.6	62.2
Agricultural machinery and tractors.....	138.6	136.1	138.0	137.0	100.8	97.8	98.5	97.3
Construction and mining machinery.....	118.7	120.4	121.4	126.5	84.3	86.1	87.3	92.5
Metalworking machinery.....	264.8	264.9	268.7	309.5	203.1	202.2	205.0	243.8
Special-industry machinery (except metalworking machinery).....	167.1	168.0	170.3	183.5	118.5	119.2	120.6	134.0
General industrial machinery.....	222.0	221.9	224.5	245.0	150.0	149.3	151.2	171.3
Office and store machines and devices.....	104.2	104.9	103.7	109.3	82.5	83.0	82.1	87.9
Service-industry and household machines.....	152.2	152.3	153.7	183.6	114.1	113.7	114.1	140.5
Miscellaneous machinery parts.....	247.7	244.3	243.2	264.4	191.9	188.4	186.7	210.6
<b>ELECTRICAL MACHINERY.....</b>	<b>1,128.2</b>	<b>1,114.4</b>	<b>1,099.3</b>	<b>1,216.6</b>	<b>831.6</b>	<b>817.3</b>	<b>802.0</b>	<b>913.0</b>
Electrical generating, transmission, distribution, and industrial apparatus.....	360.9	360.2	354.6	397.1	251.6	250.6	244.6	282.4
Electrical appliances.....	64.1	63.9	63.7	72.2	51.5	51.7	51.4	60.2
Insulated wire and cable.....	30.3	30.4	29.5	31.6	24.5	24.6	23.8	25.9
Electrical equipment for vehicles.....	73.2	66.3	68.7	79.3	59.1	51.7	54.4	64.6
Electric lamps.....	27.7	27.4	27.2	29.8	24.0	23.7	23.5	26.3
Communication equipment.....	525.9	519.9	509.3	555.7	386.8	380.8	369.8	414.3
Miscellaneous electrical products.....	46.1	46.3	46.3	50.9	34.1	34.2	34.5	39.3

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

Industry group and industry	(In thousands)							
	All employees				Production workers			
	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Sept. 1954	Nov. 1953
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>1,736.7</b>	<b>1,658.4</b>	<b>1,596.5</b>	<b>1,867.7</b>	<b>1,323.3</b>	<b>1,245.8</b>	<b>1,184.1</b>	<b>1,449.1</b>
Automobiles.....	771.8	691.1	619.8	844.1	629.6	548.7	478.1	685.6
Aircraft and parts.....	790.0	788.7	797.2	789.8	551.7	550.7	559.1	567.0
Aircraft.....	495.7	491.6	496.4	466.8	344.5	341.2	346.0	330.5
Aircraft engines and parts.....	158.3	159.9	161.6	181.7	106.5	107.6	109.1	128.6
Aircraft propellers and parts...	16.6	16.9	17.2	18.1	11.6	11.9	12.1	13.3
Other aircraft parts and equipment.....	119.4	120.3	122.0	123.2	89.1	90.0	91.9	94.6
Ship and boat building and repairing.....	114.2	118.1	116.8	146.2	97.6	102.1	100.7	128.2
Ship building and repairing.....	95.2	100.3	99.0	124.9	81.4	86.9	85.5	109.4
Boat building and repairing.....	19.0	17.8	17.8	21.3	16.2	15.2	15.2	18.8
Railroad equipment.....	51.0	49.9	51.9	76.5	36.4	35.5	37.2	58.9
Other transportation equipment...	9.7	10.6	10.8	11.1	8.0	8.8	9.0	9.4
<b>INSTRUMENTS AND RELATED PRODUCTS..</b>	<b>302.8</b>	<b>302.9</b>	<b>302.8</b>	<b>334.3</b>	<b>212.8</b>	<b>213.2</b>	<b>213.6</b>	<b>242.9</b>
Laboratory, scientific, and engineering instruments.....	47.7	47.2	46.8	56.0	28.7	28.1	27.8	34.9
Mechanical measuring and controlling instruments.....	78.3	78.2	77.4	80.6	55.2	55.3	54.9	57.8
Optical instruments and lenses...	13.3	13.6	13.7	14.8	10.3	10.6	10.8	11.7
Surgical, medical, and dental instruments.....	39.4	39.5	39.8	42.5	27.1	27.2	27.5	30.5
Ophthalmic goods.....	24.8	24.6	24.4	27.2	19.6	19.5	19.3	21.9
Photographic apparatus.....	67.3	67.5	68.2	69.4	45.6	45.9	46.5	48.3
Watches and clocks.....	32.0	32.3	32.5	43.8	26.3	26.6	26.8	37.8
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>	<b>481.7</b>	<b>484.5</b>	<b>476.6</b>	<b>512.4</b>	<b>395.3</b>	<b>398.2</b>	<b>391.5</b>	<b>424.9</b>
Jewelry, silverware, and plated ware.....	56.5	56.7	54.7	57.4	46.1	46.0	44.7	47.1
Musical instruments and parts...	16.7	16.7	16.3	16.9	14.3	14.3	13.9	14.7
Toys and sporting goods.....	83.8	89.1	87.6	96.8	70.5	75.2	73.8	83.4
Pens, pencils, and other office supplies.....	30.0	29.8	29.7	30.5	22.4	22.4	22.4	23.2
Costume jewelry, buttons, notions	66.9	67.5	66.0	68.0	56.1	56.7	55.6	56.8
Fabricated plastic products.....	73.8	71.8	70.6	78.7	60.1	58.7	57.3	65.5
Other manufacturing industries...	154.0	152.9	151.7	164.1	125.8	124.9	123.8	134.2

**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
	Number (in thousands)	Index (1947-49 aver- age = 100)	(1947-49 aver- age = 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: 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.....	12,449	100.6	135.1
September.....	12,611	102.0	138.4
October.....	12,652	102.3	139.5
November.....	12,711	102.8	142.8

# Shipyards

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

(In thousands)

Region <u>1</u> /	1954			1953	
	November	October	September	November	October
ALL REGIONS.....	202.5	207.7	206.6	240.4	241.3
PRIVATE YARDS.....	95.2	100.3	99.0	124.9	125.3
NAVY YARDS.....	107.3	107.4	107.6	115.5	116.0
NORTH ATLANTIC.....	85.4	87.0	86.1	107.0	108.2
Private yards.....	38.3	39.9	38.8	54.1	54.9
Navy yards <u>2</u> /.....	47.1	47.1	47.3	52.9	53.3
SOUTH ATLANTIC.....	37.0	37.4	37.4	41.8	42.1
Private yards.....	16.8	17.2	17.3	20.0	20.2
Navy yards.....	20.2	20.2	20.1	21.8	21.9
GULF:					
Private yards.....	21.7	22.8	22.7	22.5	22.8
PACIFIC.....	51.2	52.8	52.0	57.4	56.9
Private yards.....	11.2	12.7	11.8	16.6	16.1
Navy yards.....	40.0	40.1	40.2	40.8	40.8
GREAT LAKES:					
Private yards.....	3.4	4.0	4.5	6.4	6.0
INLAND:					
Private yards.....	3.8	3.7	3.9	5.3	5.3

1/ 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.

2/ Data include Curtis Bay Coast Guard Yard.

Table A-6: Federal personnel, civilian and military

(In thousands)

Branch and agency	1954			1953	
	Nov.	Oct.	Sept.	Nov.	Oct.
<b>TOTAL FEDERAL CIVILIAN EMPLOYMENT <sup>1/</sup></b> .....	2,170	2,147	2,141	2,203	2,205
Executive <sup>2/</sup> .....	2,143.7	2,120.5	2,115.1	2,177.0	2,179.3
Department of Defense .....	1,011.7	1,011.1	1,012.6	1,069.0	1,076.5
Post Office Department.....	506.2	501.8	503.3	505.2	497.9
Other agencies.....	625.8	607.6	599.2	602.8	604.9
Legislative.....	22.1	22.1	22.0	21.7	21.8
Judicial.....	4.0	4.0	4.0	3.9	3.9
<b>District of Columbia <sup>3/</sup></b> .....	225.7	225.3	224.5	230.3	231.1
Executive <sup>2/</sup> .....	204.8	204.4	203.6	209.6	210.4
Department of Defense.....	87.0	86.8	86.5	88.6	88.9
Post Office Department.....	8.7	8.7	8.7	9.1	9.1
Other agencies.....	109.1	108.9	108.4	111.9	112.4
Legislative.....	20.2	20.2	20.2	19.9	20.0
Judicial.....	.7	.7	.7	.8	.7
<b>TOTAL MILITARY PERSONNEL <sup>4/</sup></b> .....	3,246.5	3,285.7	3,308.5	3,491.6	3,516.8
Army.....	1,343.0	1,368.3	1,385.0	1,503.0	1,510.4
Air Force.....	961.3	965.1	961.7	923.9	932.5
Navy.....	691.8	702.1	711.1	778.1	781.3
Marine Corps.....	221.9	221.4	221.8	252.6	258.1
Coast Guard.....	28.5	28.8	28.9	34.0	34.5

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

**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
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
Alabama.....	672.0	671.6	684.9	14.7	14.6	17.8	35.2	35.8	33.1
Arizona.....	204.4	202.3	201.8	13.5	13.5	13.3	15.9	15.8	18.2
Arkansas.....	307.5	307.7	316.1	5.7	5.7	6.1	15.3	15.7	14.2
California.....	3,888.7	3,902.5	3,913.4	34.8	34.9	36.7	230.6	238.3	260.6
Colorado.....	407.4	410.0	409.2	13.6	13.5	12.6	25.1	25.7	25.9
Connecticut.....	853.3	851.5	887.0	(2/)	(2/)	(2/)	41.1	41.9	42.6
Delaware.....	-	-	-	-	-	-	-	-	-
District of Columbia.....	494.1	491.6	498.4	(3/)	(3/)	(3/)	18.8	19.3	18.0
Florida.....	873.8	843.3	854.8	7.2	7.2	7.0	83.3	81.9	88.7
Georgia.....	911.5	905.8	910.1	4.6	4.6	4.6	50.8	52.1	51.2
Idaho.....	133.2	136.7	135.6	4.4	4.3	4.5	7.0	8.4	8.0
Illinois.....	3,328.3	3,321.6	3,431.5	32.5	32.0	36.5	171.0	174.9	167.8
Indiana.....	1,325.3	1,318.0	1,410.0	10.4	10.5	11.4	63.4	61.8	61.2
Iowa.....	627.3	629.8	632.0	3.1	3.1	3.3	35.2	35.5	33.4
Kansas.....	552.7	552.4	540.5	18.4	18.4	18.1	40.5	41.2	35.7
Kentucky.....	-	-	-	(4/)	38.9	45.6	-	-	-
Louisiana.....	699.8	697.4	714.7	33.6	33.5	32.5	45.1	47.2	58.6
Maine.....	264.6	268.3	270.0	.7	.6	.5	13.8	14.1	13.8
Maryland.....	796.5	798.3	809.7	2.2	2.2	2.2	60.5	61.5	62.4
Massachusetts.....	1,744.6	1,744.8	1,808.0	(3/)	(3/)	(3/)	71.2	70.7	71.9
Michigan.....	(4/)	2,272.9	2,430.2	(4/)	16.4	18.4	(4/)	123.3	118.4
Minnesota.....	844.6	847.6	869.4	15.0	16.8	20.0	53.3	55.0	49.4
Mississippi.....	343.7	343.6	343.0	3.1	3.0	2.9	16.7	16.6	18.9
Missouri.....	1,233.2	1,229.5	1,282.7	9.0	8.9	9.4	57.1	57.4	58.5
Montana.....	152.8	150.9	156.7	9.3	7.0	12.2	10.2	11.5	9.6
Nebraska.....	348.8	351.8	350.1	1.7	1.7	1.5	21.8	23.1	20.4
Nevada.....	72.3	73.9	71.5	5.0	5.0	5.0	8.1	8.4	7.6
New Hampshire.....	173.3	173.8	172.9	.2	.2	.2	8.4	8.5	7.9
New Jersey.....	1,772.2	1,778.0	1,829.4	4.2	4.2	4.6	98.3	100.5	99.7
New Mexico.....	177.6	177.6	177.6	13.5	13.6	14.2	14.4	15.1	14.8
New York.....	5,885.8	5,887.2	6,027.9	11.8	11.7	12.4	229.1	236.4	243.7
North Carolina.....	1,012.2	1,013.2	1,020.3	3.4	3.5	3.6	46.2	46.4	49.0
North Dakota.....	111.7	113.5	112.8	2.0	2.0	2.1	7.4	8.7	8.7
Ohio.....	2,931.4	2,924.0	3,057.8	21.2	21.2	22.0	161.3	165.9	164.4
Oklahoma.....	540.7	538.0	539.7	47.7	47.9	48.7	31.4	31.2	30.1
Oregon.....	462.1	471.1	459.0	1.5	1.4	1.2	22.3	25.0	23.0
Pennsylvania.....	3,619.3	3,614.0	3,856.8	99.2	98.2	133.4	205.6	213.4	210.1
Rhode Island.....	297.4	295.2	297.9	(3/)	(3/)	(3/)	17.2	17.7	15.8
South Carolina.....	514.8	513.3	526.2	1.1	1.0	1.1	36.8	38.1	44.3
South Dakota.....	121.7	123.5	123.7	2.4	2.4	2.6	8.6	10.2	10.5
Tennessee.....	828.5	825.8	828.7	8.7	8.7	9.0	61.6	62.3	49.1
Texas.....	2,270.8	2,260.7	2,251.8	121.2	120.0	121.1	175.7	172.2	166.9
Utah.....	215.2	217.8	215.9	13.0	13.0	14.0	13.2	13.6	11.6
Vermont.....	100.3	101.2	103.9	1.4	1.4	1.4	4.4	4.6	4.7
Virginia.....	897.0	896.2	903.6	14.0	14.1	17.3	60.5	62.4	57.6
Washington.....	736.7	750.7	734.4	2.2	2.2	2.6	46.9	49.3	46.7
West Virginia.....	471.0	470.4	506.3	77.7	78.6	94.8	18.0	18.7	21.1
Wisconsin.....	1,056.8	1,061.9	1,085.9	4.2	4.2	4.1	55.4	56.8	53.3
Wyoming.....	85.3	86.5	88.6	9.5	9.4	11.5	7.0	7.0	6.2

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
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
Alabama.....	226.8	227.3	234.3	48.7	48.4	52.5	138.3	137.5	142.3
Arizona.....	27.8	27.4	26.0	20.0	19.7	21.0	51.4	50.9	51.6
Arkansas.....	78.4	79.1	83.0	28.3	28.8	31.7	74.3	73.5	77.7
California.....	1,045.3	1,061.9	1,050.0	338.1	336.8	343.6	898.3	888.0	907.1
Colorado.....	65.9	67.3	69.5	42.4	43.0	45.1	109.6	108.8	107.6
Connecticut. 1/.....	410.9	410.5	455.0	42.6	42.7	42.4	153.2	151.0	147.4
Delaware.....	54.2	55.6	59.1	-	-	-	-	-	-
District of Columbia.....	16.2	16.2	17.3	29.1	29.2	30.8	93.1	90.4	94.2
Florida. 1/.....	134.8	125.2	128.8	75.9	74.8	75.6	263.5	251.5	258.0
Georgia. 1/.....	315.6	313.4	318.7	68.2	67.8	71.3	206.6	203.1	206.6
Idaho.....	24.8	26.4	25.0	15.6	15.8	16.6	35.7	35.9	36.1
Illinois.....	1,210.8	1,207.1	1,302.2	292.1	294.1	310.8	723.8	711.4	736.0
Indiana.....	576.5	572.3	650.6	97.1	98.1	106.8	280.7	277.1	286.5
Iowa. 1/.....	160.3	161.2	167.7	57.6	58.3	58.9	172.2	172.1	173.9
Kansas.....	136.0	135.1	129.9	64.0	64.4	68.2	129.5	129.0	129.7
Kentucky.....	(4/)	153.1	156.2	(4/)	56.2	59.5	(4/)	126.2	131.5
Louisiana.....	166.7	163.5	172.7	81.1	81.5	83.4	164.5	162.1	165.4
Maine.....	101.4	103.8	108.0	19.7	19.8	19.4	52.3	52.4	52.7
Maryland.....	247.4	252.9	261.7	74.8	74.6	79.8	172.8	168.2	169.2
Massachusetts.....	661.5	662.3	724.0	116.4	116.6	118.8	366.8	363.0	371.6
Michigan.....	(4/)	1,027.9	1,158.3	(4/)	141.1	152.0	(4/)	444.3	468.8
Minnesota.....	207.6	207.9	224.7	82.6	86.9	91.9	213.5	210.3	217.4
Mississippi.....	97.3	97.4	96.8	26.4	27.3	26.9	83.4	83.3	85.6
Missouri.....	370.9	367.3	403.3	123.9	124.6	133.3	303.3	301.4	316.9
Montana.....	18.2	16.4	19.1	21.2	21.6	23.1	39.6	39.8	39.7
Nebraska. 1/.....	58.2	59.8	61.2	42.6	43.3	44.3	94.7	94.0	95.8
Nevada.....	4.4	4.5	4.5	8.7	8.9	9.1	14.7	15.0	14.5
New Hampshire.....	78.9	77.7	80.0	10.5	10.5	10.8	31.4	31.5	31.2
New Jersey.....	768.4	770.1	826.9	144.3	144.9	149.0	318.7	317.0	322.6
New Mexico.....	16.6	16.6	16.1	17.9	18.0	19.8	41.9	41.2	41.0
New York.....	1,878.4	1,883.9	2,018.7	499.8	500.6	514.6	1,309.5	1,291.1	1,313.5
North Carolina.....	446.9	450.0	450.5	60.2	59.9	63.7	202.5	200.3	206.2
North Dakota.....	7.1	6.8	6.6	13.3	13.5	14.0	38.2	38.1	37.8
Ohio.....	1,276.7	1,272.6	1,376.3	212.2	213.4	233.1	572.6	563.3	588.8
Oklahoma. 1/.....	84.7	84.4	85.4	48.9	48.8	51.1	134.6	132.6	134.0
Oregon.....	142.3	147.1	137.9	46.1	46.4	47.6	106.4	107.4	109.2
Pennsylvania.....	1,427.6	1,426.1	1,585.1	303.1	305.5	334.1	694.7	679.8	717.1
Rhode Island.....	132.7	132.2	138.7	15.8	15.7	16.4	56.0	54.1	54.4
South Carolina.....	221.8	220.5	222.9	25.2	25.3	27.2	99.4	98.3	102.5
South Dakota.....	12.3	12.1	12.3	9.7	9.8	10.2	39.0	39.2	38.6
Tennessee.....	273.9	273.5	287.2	58.6	59.0	62.5	185.6	183.4	186.8
Texas.....	427.5	428.0	434.5	223.3	224.4	234.0	615.1	606.3	603.4
Utah.....	32.4	33.8	33.2	22.1	22.3	23.2	51.1	51.0	50.0
Vermont.....	36.3	36.3	40.1	8.2	8.2	8.5	19.0	19.1	18.8
Virginia. 1/.....	246.6	247.8	253.6	79.8	79.9	84.3	204.3	199.1	204.8
Washington.....	195.7	203.5	195.4	61.6	63.4	64.9	169.4	169.8	169.9
West Virginia.....	125.9	125.8	135.0	48.8	49.1	53.4	82.5	79.8	87.4
Wisconsin.....	423.1	424.7	454.6	75.2	76.2	78.5	225.9	226.1	231.5
Wyoming.....	7.2	7.5	7.4	15.1	15.6	16.3	17.7	17.9	18.5

See footnotes at end of table.

# State Employment

**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
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
Alabama.....	22.7	22.7	21.2	59.2	59.2	58.6	126.4	126.1	125.1
Arizona.....	7.8	7.7	7.3	25.5	25.0	25.0	42.5	42.3	39.4
Arkansas.....	8.8	8.8	8.9	35.4	35.3	35.7	61.3	60.8	58.8
California.....	175.2	174.6	171.8	505.0	507.3	498.9	661.4	660.7	644.7
Colorado.....	17.4	17.6	16.8	51.5	52.3	51.7	81.9	81.8	80.0
Connecticut <sup>1/</sup> .....	45.0	44.8	42.8	84.8	85.2	84.8	75.7	75.4	72.0
Delaware.....	-	-	-	-	-	-	14.0	13.9	13.0
District of Columbia <sup>5/ 6/</sup> .....	23.0	23.3	22.5	65.8	65.9	64.1	248.1	247.3	251.5
Florida <sup>2/</sup> .....	43.7	43.3	39.9	123.1	117.4	119.5	142.3	142.0	137.3
Georgia <sup>1/</sup> .....	32.7	32.5	32.2	85.8	85.8	84.7	147.2	146.5	140.8
Idaho.....	4.2	4.1	4.2	15.7	15.9	15.6	25.8	25.9	25.6
Illinois.....	166.7	167.0	164.4	379.0	382.7	372.0	352.4	352.3	341.8
Indiana.....	44.3	44.1	43.3	98.8	99.7	100.2	154.2	154.4	149.9
Iowa <sup>1/</sup> .....	26.6	26.8	26.4	70.3	70.9	70.2	102.2	102.0	98.4
Kansas.....	18.9	18.8	17.6	55.4	55.9	54.4	90.0	89.6	86.9
Kentucky.....	(4/)	18.4	18.2	(4/)	62.3	62.7	93.6	93.2	92.0
Louisiana.....	23.9	23.7	23.2	73.0	73.7	71.3	111.9	112.2	107.6
Maine.....	7.2	7.2	7.3	26.6	27.6	26.7	42.9	42.8	41.6
Maryland <sup>2/</sup> .....	36.2	36.5	35.9	85.0	84.6	82.5	117.6	117.8	116.0
Massachusetts.....	85.3	85.1	83.5	210.8	213.6	211.1	232.6	233.5	227.1
Michigan.....	(4/)	67.3	66.7	(4/)	205.9	209.1	247.0	246.6	238.5
Minnesota.....	41.5	41.3	40.7	101.7	102.2	101.3	129.4	127.4	124.1
Mississippi.....	9.2	9.3	9.0	36.3	36.7	34.6	71.3	70.0	68.3
Missouri.....	60.0	60.4	60.9	152.1	153.0	149.9	156.9	156.5	150.5
Montana.....	5.1	5.1	4.9	19.4	19.7	19.4	29.8	29.8	28.7
Nebraska <sup>1/</sup> .....	18.8	18.9	18.2	44.4	44.5	44.0	66.5	66.5	64.8
Nevada.....	1.9	1.9	1.7	16.3	16.9	16.3	13.2	13.3	12.8
New Hampshire.....	5.4	5.4	5.3	18.0	19.7	17.9	20.4	20.4	19.6
New Jersey.....	63.1	62.8	62.7	177.6	180.7	173.5	197.6	197.8	190.4
New Mexico.....	5.6	5.6	5.3	22.7	23.1	23.2	45.0	44.4	43.2
New York.....	417.0	415.2	416.5	794.4	797.5	786.6	745.8	750.8	721.9
North Carolina.....	27.6	27.4	27.2	89.3	89.6	89.5	136.1	136.1	130.6
North Dakota.....	4.6	4.7	4.6	13.5	13.7	13.6	25.6	26.1	25.4
Ohio.....	91.6	92.0	89.8	266.7	266.7	263.9	329.0	328.8	319.5
Oklahoma <sup>1/</sup> .....	20.0	19.9	19.3	58.0	58.7	58.3	115.4	114.5	112.8
Oregon.....	17.1	17.2	17.1	52.4	52.6	51.8	74.0	74.0	71.2
Pennsylvania.....	129.8	129.8	127.4	366.5	368.4	367.5	392.8	392.8	382.0
Rhode Island.....	11.9	12.0	11.4	28.8	28.4	27.9	35.0	35.1	33.3
South Carolina.....	12.7	12.7	12.3	40.0	39.8	40.6	77.8	77.6	75.3
South Dakota.....	4.9	5.0	4.9	15.5	15.6	15.0	29.3	29.3	29.9
Tennessee.....	28.1	28.2	27.5	85.1	85.2	85.2	126.9	125.5	121.4
Texas.....	100.5	100.4	98.2	273.3	274.6	266.9	334.2	334.8	326.8
Utah.....	8.0	8.1	7.7	22.9	23.3	22.2	52.5	52.7	54.0
Vermont <sup>4/</sup> .....	3.1	3.1	3.0	11.7	12.2	11.2	16.2	16.3	16.4
Virginia <sup>1/ 5/</sup> .....	35.1	35.4	34.1	89.7	90.9	86.7	167.0	166.6	165.2
Washington.....	29.5	29.8	28.1	81.8	83.1	81.1	149.6	149.6	145.7
West Virginia.....	11.0	11.1	11.0	43.9	44.6	43.5	63.2	62.7	60.1
Wisconsin.....	38.2	38.3	36.4	103.8	104.3	102.3	131.1	131.3	125.1
Wyoming.....	2.2	2.2	2.1	9.8	10.1	10.1	16.8	16.8	16.5

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

**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
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>ALABAMA</b>				<b>Los Angeles</b>			
<u>Birmingham</u>				Total.....	1,850.9	1,837.7	1,851.8
Total.....	187.9	187.9	193.4	Mining.....	14.4	14.4	16.0
Mining.....	10.3	10.3	12.9	Contract construction...	104.7	106.7	122.7
Contract construction...	11.4	11.7	10.2	Manufacturing.....	643.3	634.0	630.6
Manufacturing.....	60.1	60.3	64.1	Trans. and pub. util....	121.5	121.1	124.6
Trans. and pub. util....	16.6	16.3	17.4	Trade.....	417.6	412.1	421.7
Trade.....	42.9	42.7	43.3	Finance.....	84.3	84.1	81.8
Finance.....	10.7	10.7	9.9	Service.....	255.2	256.3	250.5
Service.....	19.0	19.1	19.0	Government.....	209.9	209.0	203.9
Government.....	17.0	16.9	16.7				
<u>Mobile</u>				<u>Sacramento</u>			
Total.....	79.2	78.3	79.7	Manufacturing.....	10.3	11.8	10.2
Contract construction...	4.1	3.7	4.9				
Manufacturing.....	16.9	16.6	15.5	<u>San Bernardino-</u>			
Trans. and pub. util....	10.4	10.2	11.3	<u>Riverside-Ontario</u>			
Trade.....	17.5	17.3	18.0	Manufacturing.....	25.3	25.4	28.2
Finance.....	2.5	2.5	2.5				
Service 1/.....	8.1	8.1	8.1	<u>San Diego</u>			
Government.....	19.9	19.9	19.6	Total.....	176.8	177.6	186.2
				Mining.....	.2	.2	.2
				Contract construction...	9.7	10.0	12.7
				Manufacturing.....	45.2	45.5	49.1
				Trans. and pub. util....	10.6	10.8	10.9
				Trade.....	40.7	40.3	42.1
				Finance *.....	6.0	6.0	6.0
				Service.....	23.2	23.6	24.6
				Government *.....	41.2	41.2	40.6
<b>ARIZONA</b>				<u>San Francisco-Oakland</u>			
<u>Phoenix</u>				Total.....	867.8	872.5	883.2
Total.....	100.3	98.5	96.6	Mining.....	1.5	1.5	1.5
Mining.....	.3	.3	.2	Contract construction...	56.7	57.8	57.4
Contract construction...	8.9	8.4	8.8	Manufacturing.....	177.7	183.4	185.0
Manufacturing.....	16.0	15.7	14.9	Trans. and pub. util....	97.6	97.4	103.1
Trans. and pub. util....	8.9	8.8	9.1	Trade.....	202.7	200.5	205.7
Trade.....	29.0	28.6	28.3	Finance.....	54.9	55.4	54.8
Finance.....	5.2	5.1	4.8	Service.....	110.1	110.1	108.6
Service.....	13.0	12.6	12.6	Government.....	166.6	166.4	167.1
Government.....	19.0	19.0	17.9				
<u>Tucson</u>				<u>San Jose</u>			
Total.....	41.5	41.2	42.1	Manufacturing.....	25.4	29.8	25.7
Mining.....	1.7	1.7	1.7				
Contract construction...	2.8	3.0	3.8	<u>Stockton</u>			
Manufacturing.....	5.5	5.4	5.1	Manufacturing.....	11.3	13.8	11.6
Trans. and pub. util....	4.8	4.8	5.0				
Trade.....	10.2	10.0	10.4	<b>COLORADO</b>			
Finance.....	1.5	1.5	1.4	<u>Denver</u>			
Service.....	6.6	6.4	6.6	Total.....	232.1	232.7	(2/)
Government.....	8.4	8.4	8.1	Mining.....	1.5	1.5	1.4
				Contract construction...	15.2	15.7	16.3
				Manufacturing.....	41.0	41.6	43.8
				Trans. and pub. util....	26.2	26.4	27.9
				Trade.....	66.7	65.7	65.9
				Finance.....	12.4	12.5	12.1
				Service.....	30.9	31.1	30.7
				Government.....	38.2	38.2	(2/)
<b>ARKANSAS</b>				<b>CONNECTICUT</b>			
<u>Little Rock-</u>				<u>Bridgeport</u>			
<u>N. Little Rock</u>				Total.....	114.2	116.0	123.2
Total.....	68.1	67.2	70.5	Contract construction 1/	5.2	5.4	5.3
Contract construction...	5.3	5.2	4.5	Manufacturing.....	63.9	66.0	73.3
Manufacturing.....	11.8	11.6	13.7	Trans. and pub. util....	5.7	5.6	5.7
Trans. and pub. util....	7.4	7.4	8.6				
Trade.....	17.9	17.4	18.2				
Finance.....	4.2	4.2	4.1				
Service 1/.....	9.7	9.6	9.6				
Government.....	12.0	12.0	11.9				
<b>CALIFORNIA</b>							
<u>Fresno</u>							
Manufacturing.....	15.4	16.4	14.7				

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	1952		1954	1953	1952
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>CONNECTICUT - Continued</b>				<b>DISTRICT OF COLUMBIA</b>			
<b>Bridgeport - Continued</b>				<b>Washington</b>			
Trade.....	19.7	19.4	19.6	Total.....	617.8	613.7	617.5
Finance.....	2.6	2.6	2.6	Contract construction...	39.1	40.4	36.9
Service.....	9.7	9.7	9.6	Manufacturing.....	26.1	26.2	26.4
Government.....	7.3	7.3	7.2	Trans. and pub. util....	41.3	41.5	43.3
				Trade.....	129.1	125.5	130.2
<b>Hartford</b>				Finance.....	30.8	31.2	30.2
Total.....	197.9	196.1	201.9	Service 1/ 3/.....	88.0	86.3	83.7
Contract construction 1/	9.2	9.4	9.5	Government 3/.....	263.4	262.6	266.8
Manufacturing.....	74.6	74.5	80.0				
Trans. and pub. util....	7.7	7.6	7.7	<b>FLORIDA</b>			
Trade.....	41.4	39.8	41.6	<b>Jacksonville 4/</b>			
Finance.....	27.1	27.0	26.6	Total.....	115.4	114.7	112.8
Service.....	20.7	20.6	20.2	Contract construction...	9.2	9.3	9.2
Government.....	17.3	17.3	16.3	Manufacturing.....	19.1	18.8	18.1
				Trans. and pub. util....	14.4	14.4	14.4
<b>New Britain</b>				Trade.....	33.9	33.5	33.8
Total.....	40.7	41.0	44.7	Finance.....	9.0	9.0	7.9
Contract construction 1/	1.3	1.3	1.3	Service 1/.....	13.1	13.2	13.2
Manufacturing.....	25.9	26.3	30.2	Government.....	16.4	16.3	16.1
Trans. and pub. util....	2.0	2.0	2.0				
Trade.....	5.7	5.6	5.6	<b>Miami</b>			
Finance.....	.7	.7	.7	Total.....	216.8	206.1	201.2
Service.....	2.8	2.8	2.7	Contract construction...	24.1	21.4	22.5
Government.....	2.2	2.2	2.2	Manufacturing.....	27.7	25.7	23.4
				Trans. and pub. util....	28.2	27.6	26.5
<b>New Haven</b>				Trade.....	65.7	63.1	60.8
Total.....	120.2	119.7	121.8	Finance.....	12.3	12.0	10.9
Contract construction 1/	6.0	6.0	5.8	Service 1/.....	40.2	37.5	38.9
Manufacturing.....	47.1	47.0	49.7	Government.....	18.8	18.8	18.4
Trans. and pub. util....	11.7	11.7	12.0				
Trade.....	23.5	23.1	22.7	<b>Tampa-St. Petersburg 4/</b>			
Finance.....	6.1	5.9	5.8	Total.....	128.3	124.9	125.2
Service.....	17.3	17.4	17.6	Contract construction...	13.2	13.4	12.7
Government.....	8.6	8.6	8.3	Manufacturing.....	24.1	23.3	25.8
				Trans. and pub. util....	10.9	10.7	10.4
<b>Stamford</b>				Trade.....	42.6	40.8	40.6
Total.....	48.0	48.1	50.0	Finance.....	6.1	6.0	5.5
Contract construction 1/	3.2	3.4	3.2	Service 1/.....	16.7	16.1	16.1
Manufacturing.....	20.9	21.0	22.8	Government.....	14.9	14.8	14.2
Trans. and pub. util....	2.6	2.5	2.6				
Trade.....	9.2	9.2	9.2	<b>GEORGIA</b>			
Finance.....	1.6	1.6	1.6	<b>Atlanta 4/</b>			
Service.....	7.1	7.1	7.1	Total.....	306.2	301.3	304.2
Government.....	3.4	3.4	3.4	Contract construction...	18.5	18.0	15.9
				Manufacturing.....	81.5	79.3	80.7
<b>Waterbury</b>				Trans. and pub. util....	31.2	30.9	32.5
Total.....	67.3	66.6	72.1	Trade.....	83.2	81.2	82.9
Contract construction 1/	2.1	2.1	2.0	Finance.....	20.1	20.1	20.4
Manufacturing.....	42.7	42.3	47.5	Service 1/.....	38.0	38.1	37.8
Trans. and pub. util....	2.6	2.6	2.6	Government.....	33.7	33.7	34.0
Trade.....	9.8	9.6	9.7				
Finance.....	1.3	1.3	1.3	<b>Savannah 4/</b>			
Service.....	4.1	4.1	4.3	Total.....	50.3	50.4	50.9
Government.....	4.7	4.7	4.7	Contract construction...	2.7	2.8	4.2
				Manufacturing.....	14.2	14.4	14.2
<b>DELAWARE</b>				Trans. and pub. util....	6.5	6.6	6.5
<b>Wilmington</b>				Trade.....	13.0	12.8	12.7
Manufacturing.....	51.7	51.4	54.8	Finance.....	1.6	1.6	1.5
				Service 1/.....	6.1	6.0	5.7
				Government.....	6.2	6.2	6.1

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
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>IDAHO</b>				<b>Topeka - Continued</b>			
<u>Boise</u>				Contract construction...	2.7	2.9	2.6
Total.....	19.7	20.0	20.0	Manufacturing.....	5.9	5.8	5.9
Contract construction...	1.4	1.6	1.7	Trans. and pub. util....	7.2	7.3	7.9
Manufacturing.....	1.7	1.7	1.7	Trade.....	9.5	9.4	9.6
Trans. and pub. util....	2.2	2.3	2.4	Finance.....	2.3	2.2	2.2
Trade.....	6.3	6.3	6.1	Service.....	5.3	5.4	5.2
Finance.....	1.2	1.2	1.2	Government.....	11.7	11.7	11.6
Service.....	2.9	2.9	3.0				
Government.....	4.0	4.0	3.9	<u>Wichita</u>			
				Total.....	121.1	120.2	113.2
<b>ILLINOIS</b>				Mining.....	1.3	1.3	1.3
<u>Chicago</u>				Contract construction...	7.0	7.2	6.7
Total.....	2,478.2	2,468.5	2,572.6	Manufacturing.....	55.7	54.8	48.7
Mining.....	3.9	3.9	4.0	Trans. and pub. util....	7.7	7.6	7.7
Contract construction...	109.8	110.3	109.3	Trade.....	24.7	24.5	24.7
Manufacturing.....	975.3	972.4	1,057.4	Finance.....	4.8	4.7	4.2
Trans. and pub. util....	213.4	213.9	221.6	Service.....	11.2	11.3	11.2
Trade.....	524.7	514.3	542.1	Government.....	9.0	9.0	8.8
Finance.....	136.4	136.7	134.5				
Service.....	284.5	286.9	280.2	<b>LOUISIANA</b>			
Government.....	230.2	230.1	223.5	<u>Baton Rouge</u>			
				Manufacturing.....	18.4	18.4	19.6
<b>INDIANA</b>				Trade.....	12.4	12.3	12.1
<u>Evansville</u>				Finance.....	2.1	2.1	2.0
Total.....	66.3	64.0	73.2				
Manufacturing.....	31.5	29.2	37.5	<u>New Orleans</u>			
Nonmanufacturing.....	34.8	34.8	35.7	Total.....	265.4	265.3	272.6
				Mining.....	4.8	4.9	4.5
<u>Fort Wayne</u>				Contract construction...	17.1	17.5	20.0
Total.....	71.7	71.5	78.9	Manufacturing.....	52.5	53.4	57.2
Manufacturing.....	33.2	33.0	38.9	Trans. and pub. util....	42.9	42.6	44.2
Nonmanufacturing.....	38.5	38.5	40.0	Trade.....	68.2	67.2	67.3
				Finance.....	11.8	11.8	11.6
<u>Indianapolis</u>				Service.....	35.0	34.9	35.1
Total.....	269.0	267.7	285.7	Government.....	33.3	33.2	32.9
Contract construction...	9.0	9.1	11.0				
Manufacturing.....	101.8	100.9	109.7	<b>MAINE</b>			
Trans. and pub. util....	20.1	19.8	24.7	<u>Lewiston</u>			
Trade.....	64.4	63.9	67.7	Total.....	27.6	27.6	28.2
Finance.....	15.3	15.3	15.1	Contract construction...	1.4	1.4	1.4
Other nonmanufacturing..	58.4	58.7	57.5	Manufacturing.....	14.9	14.6	15.3
				Trans. and pub. util....	1.1	1.1	1.2
<u>South Bend</u>				Trade.....	5.0	5.0	5.2
Total.....	83.8	82.5	90.7	Finance.....	.7	.7	.6
Manufacturing.....	43.6	43.1	51.3	Service 1/.....	3.5	3.8	3.5
Trade.....	15.6	15.1	15.8	Government.....	1.0	1.0	1.0
Other nonmanufacturing..	24.6	24.3	23.6				
				<u>Portland</u>			
<b>IOWA</b>				Total.....	53.1	53.3	52.1
<u>Des Moines</u>				Contract construction...	5.1	4.8	3.8
Total.....	90.9	92.1	90.9	Manufacturing.....	12.7	13.2	13.4
Contract construction...	5.0	5.2	4.7	Trans. and pub. util....	6.2	6.3	6.1
Manufacturing.....	20.6	22.4	21.9	Trade.....	14.5	14.5	14.5
Trans. and pub. util....	7.7	7.7	7.8	Finance.....	3.2	3.2	3.0
Trade.....	24.8	24.4	24.7	Service 1/.....	8.1	8.0	8.0
Finance.....	9.9	9.8	9.5	Government.....	3.3	3.3	3.3
Service 1/.....	11.9	11.6	11.5				
Government.....	11.1	11.1	11.0	<b>MARYLAND</b>			
				<u>Baltimore</u>			
<b>KANSAS</b>				Total.....	553.7	551.5	567.4
<u>Topeka</u>				Mining.....	.8	.8	.8
Total.....	44.6	44.7	44.9	Contract construction...	37.6	38.3	40.1
Mining.....	.2	.2	.1				

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
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>MARYLAND - Continued</b>				<b>Grand Rapids</b>			
<u>Baltimore - Continued</u>				Manufacturing.....	(2/)	52.0	55.9
Manufacturing.....	185.8	187.0	197.3	<b>Lansing</b>			
Trans. and pub. util....	57.4	57.2	61.0	Manufacturing.....	(2/)	28.3	32.7
Trade.....	117.6	114.0	117.5	<b>Muskegon</b>			
Finance.....	27.9	28.1	27.8	Manufacturing.....	(2/)	24.4	27.6
Service.....	60.7	60.1	58.0	<b>Saginaw</b>			
Government.....	65.9	66.0	64.9	Manufacturing.....	(2/)	26.8	27.4
<b>MASSACHUSETTS</b>							
<u>Boston</u>				<b>MINNESOTA</b>			
Total.....	949.8	948.1	978.9	<u>Duluth</u>			
Contract construction...	42.0	41.7	44.1	Total.....	41.1	42.2	44.2
Manufacturing.....	276.2	277.0	301.7	Contract construction...	2.7	2.6	2.5
Trans. and pub. util....	77.5	77.5	80.3	Manufacturing.....	9.2	9.5	10.5
Trade.....	227.4	223.8	230.8	Trans. and pub. util....	6.3	7.1	7.7
Finance.....	64.4	64.0	63.1	Trade.....	11.0	11.1	11.4
Service 1/.....	128.6	129.9	127.9	Finance.....	1.8	1.9	1.8
Government.....	133.7	134.2	131.0	Service 1/.....	6.1	6.2	6.0
<u>Fall River</u>				Government.....	4.0	4.0	4.3
Total.....	47.0	46.4	50.3	<b>Minneapolis</b>			
Manufacturing.....	26.6	26.3	30.2	Total.....	268.9	266.6	272.7
Trans. and pub. util....	2.4	2.4	2.4	Contract construction...	15.2	15.6	13.5
Trade.....	8.4	8.1	8.4	Manufacturing.....	69.0	68.7	75.6
Government.....	4.9	4.9	4.7	Trans. and pub. util....	28.3	28.7	29.2
Other nonmanufacturing..	4.7	4.7	4.6	Trade.....	76.4	74.4	76.9
<u>New Bedford</u>				Finance.....	20.6	20.2	19.7
Total.....	49.0	48.8	53.2	Service 1/.....	33.3	33.3	33.4
Contract construction...	1.4	1.3	1.3	Government.....	26.1	25.5	24.5
Manufacturing.....	26.3	26.1	30.7	<b>St. Paul</b>			
Trans. and pub. util....	2.2	2.2	2.1	Total.....	151.4	151.0	152.2
Trade.....	8.6	8.5	8.8	Contract construction...	9.4	10.0	8.4
Government.....	5.0	5.0	4.8	Manufacturing.....	41.9	41.3	43.6
Other nonmanufacturing..	5.5	5.7	5.5	Trans. and pub. util....	21.2	21.5	21.9
<u>Springfield-Holyoke</u>				Trade.....	34.2	33.9	34.6
Total.....	154.1	154.1	162.8	Finance.....	10.3	10.5	10.2
Contract construction...	5.5	5.6	4.0	Service 1/.....	17.8	17.6	17.4
Manufacturing.....	67.1	67.5	74.7	Government.....	16.5	16.3	16.0
Trans. and pub. util....	8.7	8.7	9.1	<b>MISSISSIPPI</b>			
Trade.....	31.1	30.5	32.3	<u>Jackson</u>			
Finance.....	6.3	6.3	6.1	Manufacturing.....	9.2	9.1	8.7
Service 1/.....	15.3	15.3	15.4	<b>MISSOURI</b>			
Government.....	20.1	20.2	21.2	<u>Kansas City</u>			
<u>Worcester</u>				Total.....	(2/)	357.6	376.5
Total.....	100.1	99.6	107.7	Mining.....	(2/)	.7	.7
Contract construction...	3.6	3.6	3.8	Contract construction...	(2/)	16.8	21.2
Manufacturing.....	45.7	45.3	52.5	Manufacturing.....	(2/)	109.6	117.8
Trans. and pub. util....	5.2	5.2	5.4	Trans. and pub. util....	(2/)	45.2	47.7
Trade.....	20.7	20.5	21.4	Trade.....	(2/)	94.8	98.2
Finance.....	4.0	4.0	4.1	Finance.....	(2/)	20.4	20.7
Service 1/.....	9.6	9.7	9.7	Service.....	(2/)	39.8	40.1
Government.....	11.3	11.3	10.8	Government.....	(2/)	30.3	30.1
<b>MICHIGAN</b>				<b>St. Louis</b>			
<u>Detroit</u>				Manufacturing.....	(2/)	252.1	287.6
Manufacturing.....	(2/)	580.7	675.8				
<u>Flint</u>							
Manufacturing.....	(2/)	75.0	69.0				

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
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>MONTANA</b>				<b>NEW YORK</b>			
<u>Great Falls</u>				<u>Albany-Schenectady-Troy</u>			
Manufacturing.....	2.8	1.6	2.8	Total.....	205.1	205.3	222.1
Trans. and pub. util....	2.5	2.5	2.6	Contract construction...	6.7	7.4	7.8
Trade.....	6.1	6.1	6.0	Manufacturing.....	75.9	76.2	88.8
Service 5/.....	3.3	3.3	3.2	Trans. and pub. util....	16.5	16.6	17.5
				Trade.....	41.0	40.4	41.2
				Government.....	36.9	36.9	39.0
				Other nonmanufacturing..	28.2	27.9	27.9
<b>NEBRASKA</b>							
<u>Omaha</u>				<u>Binghamton</u>			
Total.....	145.0	145.4	146.8	Total.....	75.3	75.6	78.0
Contract construction...	8.8	9.0	9.3	Contract construction...	2.9	3.1	3.4
Manufacturing.....	31.1	31.4	31.3	Manufacturing.....	40.6	40.9	42.6
Trans. and pub. util....	23.0	23.2	24.0	Trans. and pub. util....	3.9	3.9	4.0
Trade.....	37.2	36.8	37.9	Trade.....	13.3	13.1	13.6
Finance.....	11.0	11.0	11.0	Other nonmanufacturing..	14.5	14.5	14.3
Service.....	18.9	18.9	18.7				
Government.....	14.8	14.9	14.4	<u>Buffalo</u>			
				Total.....	430.2	428.2	454.3
<b>NEVADA</b>				Contract construction...	20.9	22.3	21.5
<u>Reno</u>				Manufacturing.....	197.2	195.0	214.5
Total.....	22.5	22.8	(2/)	Trans. and pub. util....	38.1	37.9	41.0
Contract construction...	2.1	2.3	1.8	Trade.....	83.0	81.8	86.7
Manufacturing 1/.....	1.9	1.9	1.9	Finance.....	13.3	13.4	13.1
Trans. and pub. util....	3.3	3.3	3.2	Service 1/.....	45.5	45.6	45.3
Trade.....	5.8	5.8	5.6	Government.....	32.1	32.1	32.3
Finance.....	.8	.8	.8				
Service.....	5.2	5.3	5.1	<u>Elmira</u>			
Government.....	3.4	3.4	(2/)	Total.....	33.3	33.1	34.0
				Manufacturing.....	17.2	17.1	17.5
<b>NEW HAMPSHIRE</b>				Trade.....	6.5	6.4	6.7
<u>Manchester</u>				Other nonmanufacturing..	9.6	9.7	9.8
Total.....	39.6	39.6	40.0				
Contract construction...	1.7	1.7	1.6	<u>Nassau and Suffolk</u>			
Manufacturing.....	19.0	18.9	19.6	<u>Counties 6/</u>			
Trans. and pub. util....	2.5	2.5	2.5	Contract construction...	27.4	27.9	30.2
Trade.....	7.6	7.6	7.7	Manufacturing.....	97.9	97.2	103.9
Finance.....	1.9	1.9	1.9	Trans. and pub. util....	20.1	20.1	19.9
Service.....	4.2	4.3	4.2	Trade.....	57.8	57.4	55.8
Government.....	2.7	2.7	2.6	Service 5/.....	35.3	35.4	35.3
<b>NEW JERSEY</b>				<u>New York-Northeastern</u>			
<u>Newark-Jersey City 6/</u>				<u>New Jersey</u>			
Manufacturing.....	349.1	350.8	381.8	Manufacturing.....	1,708.1	1,713.5	1,828.3
<u>Paterson 6/</u>				<u>New York City 6/</u>			
Manufacturing.....	167.5	167.9	179.9	Total.....	3,570.0	3,565.1	3,650.1
				Mining.....	1.8	1.8	1.9
<u>Perth Amboy 6/</u>				Contract construction...	104.5	105.7	114.3
Manufacturing.....	79.1	78.9	83.1	Manufacturing.....	957.0	962.3	1,021.3
				Trans. and pub. util....	335.0	335.1	341.9
<u>Trenton</u>				Trade.....	831.5	820.0	846.2
Manufacturing.....	38.4	38.4	40.8	Finance.....	344.1	342.5	344.3
				Service.....	562.7	561.3	558.4
<b>NEW MEXICO</b>				Government.....	433.3	436.4	421.6
<u>Albuquerque</u>							
Total.....	55.6	55.7	53.4	<u>Rochester</u>			
Contract construction...	4.9	5.1	4.5	Total.....	212.9	211.7	219.5
Manufacturing.....	9.4	9.4	8.6	Contract construction...	9.8	10.2	9.1
Trans. and pub. util....	4.9	4.9	5.2	Manufacturing.....	110.9	109.6	118.5
Trade.....	14.7	14.6	14.0	Trans. and pub. util....	10.9	11.0	11.0
Finance.....	3.3	3.2	2.9				
Service 1/.....	7.3	7.4	7.4				
Government.....	11.1	11.1	10.8				

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
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>NEW YORK - Continued</b>				<b>OKLAHOMA</b>			
<u>Rochester</u> - Continued				<u>Oklahoma City 4/</u>			
Trade.....	38.6	38.0	39.0	Total.....	135.9	135.3	136.3
Finance.....	6.4	6.4	6.3	Mining.....	7.4	7.4	7.3
Other nonmanufacturing..	36.3	36.5	35.7	Contract construction...	8.4	8.6	8.5
<u>Syracuse</u>				Manufacturing.....	15.5	15.2	15.5
Total.....	137.4	138.0	148.0	Trans. and pub. util....	10.9	10.9	11.3
Contract construction...	6.7	7.6	8.0	Trade.....	37.5	37.1	36.9
Manufacturing.....	56.0	55.9	64.2	Finance.....	7.5	7.5	7.4
Trans. and pub. util....	10.9	11.0	11.6	Service.....	16.4	16.4	16.8
Trade.....	30.4	30.2	30.7	Government.....	32.4	32.3	32.6
Other nonmanufacturing..	33.3	33.3	33.5	<u>Tulsa 4/</u>			
<u>Utica-Rome</u>				Total.....	117.1	116.5	117.1
Total.....	93.2	93.2	100.2	Mining.....	11.9	11.8	11.9
Contract construction...	2.2	2.4	3.1	Contract construction...	7.6	7.5	7.4
Manufacturing.....	41.8	42.1	48.4	Manufacturing.....	29.0	29.0	31.5
Trans. and pub. util....	6.0	6.1	6.2	Trans. and pub. util....	12.8	12.7	12.9
Trade.....	15.2	14.9	15.5	Trade.....	30.2	29.7	28.7
Finance.....	3.1	3.0	2.9	Finance.....	5.5	5.5	5.2
Service 1/.....	7.6	7.5	7.5	Service.....	13.7	13.8	13.6
Government.....	17.3	17.1	16.5	Government.....	6.6	6.5	6.0
<u>Westchester County 6/</u>				<b>OREGON</b>			
Manufacturing.....	46.8	45.7	48.0	<u>Portland 4/</u>			
<b>NORTH CAROLINA</b>				Total.....	239.0	243.8	243.2
<u>Charlotte</u>				Contract construction...	13.3	14.3	13.0
Total.....	83.8	83.8	84.8	Manufacturing.....	58.9	61.7	61.6
Contract construction...	5.6	5.8	6.0	Trans. and pub. util....	29.4	29.8	30.3
Manufacturing.....	21.5	21.5	22.1	Trade.....	61.6	62.0	63.0
Trans. and pub. util....	9.6	9.6	9.8	Finance.....	12.7	12.7	12.4
Trade.....	24.9	24.7	25.4	Service 1/.....	31.1	31.3	31.2
Finance.....	5.4	5.4	5.2	Government.....	32.0	32.0	31.7
Service 1/.....	10.1	10.1	10.0	<b>PENNSYLVANIA</b>			
Government.....	6.7	6.7	6.3	<u>Allentown-Bethlehem-</u>			
<u>Greensboro-High Point</u>				<u>Easton</u>			
Manufacturing.....	40.9	40.6	40.2	Manufacturing.....	92.9	93.4	102.6
<u>Raleigh-Durham</u>				<u>Erie</u>			
Manufacturing.....	21.1	22.2	21.2	Manufacturing.....	37.9	37.9	44.3
<u>Winston-Salem</u>				<u>Harrisburg</u>			
Manufacturing.....	33.7	34.1	32.7	Total 4/.....	129.8	130.7	135.4
<b>NORTH DAKOTA</b>				Mining.....	.5	.5	.6
<u>Fargo</u>				Contract construction...	7.3	7.6	7.0
Manufacturing.....	2.4	2.3	2.3	Manufacturing 4/.....	30.3	31.2	35.1
Trans. and pub. util....	2.3	2.3	2.3	Trans. and pub. util....	14.1	14.1	15.8
Trade.....	7.7	7.6	7.7	Trade.....	22.7	22.3	22.3
Finance.....	1.4	1.4	1.3	Finance.....	5.0	5.0	5.0
Service.....	2.8	2.8	2.8	Service.....	11.5	11.5	11.7
Government.....	2.9	2.9	2.9	Government.....	38.3	38.5	37.9
<b>OHIO</b>				<u>Lancaster</u>			
<u>Cincinnati</u>				Manufacturing.....	43.5	43.6	44.6
Manufacturing.....	157.4	157.2	169.6	<u>Philadelphia</u>			
<u>Cleveland</u>				Manufacturing.....	550.0	550.8	603.9
Manufacturing.....	298.4	296.1	329.6	<u>Pittsburgh</u>			
				Mining.....	21.5	20.9	26.8
				Manufacturing.....	315.9	314.6	362.8
				Trans. and pub. util....	66.7	67.2	73.1
				Finance.....	27.7	27.6	27.5

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	1952		1954	1953	1952
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>PENNSYLVANIA - Continued</b>				<b>Knoxville - Continued</b>			
<u>Reading</u>				Trans. and pub. util....	7.3	7.2	8.0
Manufacturing.....	49.5	48.8	52.6	Trade.....	25.1	24.4	23.7
<u>Scranton</u>				Finance.....	2.5	2.5	2.4
Manufacturing.....	30.4	30.3	32.0	Service.....	11.3	11.2	10.9
<u>Wilkes-Barre-Hazleton</u>				Government.....	14.6	14.7	14.9
Manufacturing.....	36.9	36.0	38.5	<b>Memphis</b>			
<u>York</u>				Total.....	168.1	165.5	173.7
Manufacturing.....	43.7	43.9	47.4	Mining.....	.3	.3	.4
<b>RHODE ISLAND</b>				Contract construction...	10.0	9.9	10.2
<u>Providence</u>				Manufacturing.....	42.6	41.0	45.0
Total.....	289.8	286.7	293.2	Trans. and pub. util....	15.0	14.8	16.6
Contract construction...	15.2	15.7	14.0	Trade.....	49.8	49.2	51.4
Manufacturing.....	137.2	136.9	146.7	Finance.....	7.5	7.5	7.3
Trans. and pub. util....	14.1	14.0	14.6	Service.....	21.3	21.4	21.5
Trade.....	53.2	51.4	51.9	Government.....	21.6	21.6	21.6
Finance.....	11.7	11.8	11.2	<b>Nashville</b>			
Service 1/.....	27.8	26.2	25.7	Total.....	126.0	125.7	125.2
Government.....	30.6	30.7	29.1	Contract construction 1/	7.4	8.0	8.2
<b>SOUTH CAROLINA</b>				Manufacturing.....	36.7	36.4	37.1
<u>Charleston</u>				Trans. and pub. util....	12.3	12.3	12.5
Total.....	49.1	49.2	50.7	Trade.....	28.9	28.3	27.8
Contract construction...	3.6	3.6	3.8	Finance.....	7.7	7.7	7.3
Manufacturing.....	9.2	9.3	9.2	Service.....	18.9	18.8	18.4
Trans. and pub. util....	4.0	4.1	4.5	Government.....	14.3	14.4	14.1
Trade.....	11.4	11.5	12.3	<b>UTAH</b>			
Finance.....	1.4	1.4	1.3	<u>Salt Lake City</u>			
Service 1/.....	4.4	4.4	4.4	Total.....	108.3	109.0	106.2
Government.....	15.3	15.1	15.4	Mining.....	6.1	6.1	6.5
<u>Greenville</u>				Contract construction...	7.8	8.1	6.6
Manufacturing.....	29.2	28.9	28.8	Manufacturing.....	17.0	17.0	16.7
<b>SOUTH DAKOTA</b>				Trans. and pub. util....	12.4	12.4	12.6
<u>Sioux Falls</u>				Trade.....	31.5	31.5	30.9
Manufacturing.....	5.4	5.5	5.5	Finance.....	6.3	6.3	5.9
Trans. and pub. util....	2.0	2.1	2.1	Service.....	12.8	13.1	12.5
Trade.....	7.1	7.3	7.4	Government.....	14.4	14.5	14.5
Finance.....	1.3	1.3	1.3	<b>VERMONT</b>			
Service 7/.....	4.7	4.8	4.7	<u>Burlington</u>			
<b>TENNESSEE</b>				Total.....	15.6	15.8	17.5
<u>Chattanooga</u>				Manufacturing.....	3.9	4.0	6.1
Total.....	91.7	91.1	94.8	Trans. and pub. util....	1.2	1.2	1.2
Mining.....	.1	.1	.1	Trade.....	4.6	4.7	4.5
Contract construction...	4.7	4.7	4.4	Service.....	2.8	2.8	2.3
Manufacturing.....	41.8	41.5	45.4	Other nonmanufacturing..	3.1	3.1	3.4
Trans. and pub. util....	5.3	5.4	5.6	<u>Springfield</u>			
Trade.....	17.9	17.6	18.0	Total.....	11.6	11.8	13.3
Finance.....	3.9	3.9	3.8	Manufacturing.....	7.3	7.4	9.0
Service.....	9.4	9.4	9.1	Trans. and pub. util....	.6	.6	.6
Government.....	8.6	8.7	8.6	Trade.....	1.5	1.5	1.5
<u>Knoxville</u>				Service.....	.7	.8	.7
Total.....	122.2	121.5	113.3	Other nonmanufacturing..	1.5	1.5	1.5
Mining.....	1.9	1.9	2.1	<b>VIRGINIA</b>			
Contract construction...	16.4	16.4	6.3	<u>Norfolk-Portsmouth</u>			
Manufacturing.....	43.3	43.4	45.1	Manufacturing.....	15.2	14.2	15.2

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
	Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
<b>VIRGINIA - Continued</b>				<b>WEST VIRGINIA</b>			
<u>Richmond</u>				<u>Charleston</u>			
Total.....	149.4	148.7	149.2	Total.....	87.9	87.6	97.9
Mining.....	.4	.4	.4	Mining.....	10.8	10.8	15.5
Contract construction...	11.6	12.3	9.8	Contract construction...	4.1	4.3	5.4
Manufacturing.....	36.8	36.8	37.7	Manufacturing.....	24.5	24.5	28.0
Trans. and pub. util....	14.9	14.8	15.4	Trans. and pub. util....	10.4	10.4	10.4
Trade.....	37.6	36.5	38.4	Trade.....	17.8	17.3	18.3
Finance.....	11.9	11.9	11.4	Finance.....	2.6	2.7	2.7
Service.....	16.3	16.3	16.4	Service.....	8.7	8.7	8.8
Government.....	19.9	19.7	19.7	Government *.....	9.1	9.1	8.9
<b>WASHINGTON</b>							
<u>Seattle</u>				<u>Wheeling-Steubenville</u>			
Total.....	282.2	283.8	279.7	Total.....	110.4	109.8	113.9
Contract construction...	13.3	14.2	11.8	Mining.....	5.4	5.5	6.2
Manufacturing.....	78.1	79.2	80.3	Contract construction...	3.9	3.9	3.6
Trans. and pub. util....	26.5	26.7	26.7	Manufacturing.....	53.7	53.3	55.6
Trade.....	70.5	69.6	70.2	Trans. and pub. util....	9.1	9.1	9.9
Finance.....	16.7	16.9	15.8	Trade.....	19.2	18.9	19.9
Service 1/.....	35.1	35.4	34.6	Finance.....	2.8	2.8	2.7
Government.....	42.0	41.8	40.3	Service.....	9.7	9.7	9.5
				Government.....	6.8	6.8	6.7
<u>Spokane</u>							
Total.....	69.9	70.5	68.7	<b>WISCONSIN</b>			
Contract construction...	4.4	4.5	4.1	<u>Milwaukee</u>			
Manufacturing.....	13.9	14.2	14.0	Manufacturing.....	176.3	176.4	191.7
Trans. and pub. util....	7.8	8.1	8.5				
Trade.....	19.5	19.4	19.1	<u>Racine</u>			
Finance.....	3.7	3.7	3.2	Manufacturing.....	22.3	22.6	23.7
Service 1/.....	11.1	11.4	10.7				
Government.....	9.5	9.2	9.1				
<b>Tacoma</b>				<b>WYOMING</b>			
Total.....	70.6	71.6	71.1	<u>Casper</u>			
Contract construction...	3.8	4.1	4.3	Mining.....	3.1	2.9	3.0
Manufacturing.....	17.2	18.3	17.3	Contract construction...	1.5	1.5	1.0
Trans. and pub. util....	6.5	6.5	6.8	Manufacturing.....	1.9	1.9	1.9
Trade.....	14.6	14.4	15.0	Trans. and pub. util....	1.6	1.7	1.7
Finance.....	2.6	2.6	2.5	Trade.....	3.6	3.7	3.6
Service 1/.....	8.0	7.9	7.8	Finance.....	.5	.5	.4
Government.....	17.9	17.8	17.4	Service.....	1.8	1.8	1.7

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

1/ Includes mining.

2/ Not available.

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	September 1954		June 1954		September 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>	4,304.2	27	4,112.1	26	4,766.7	27
DURABLE GOODS.....	1,632.2	18	1,634.5	18	1,949.1	19
NONDURABLE GOODS.....	2,672.0	38	2,477.6	37	2,817.6	38
<b>ORDNANCE AND ACCESSORIES.....</b>	35.6	22	39.1	23	67.1	27
<b>FOOD AND KINDRED PRODUCTS.....</b>	465.4	28	359.8	24	497.3	28
Meat products.....	74.0	23	72.0	23	75.1	23
Dairy products.....	25.9	21	27.7	21	26.6	22
Canning and preserving.....	179.7	50	79.1	41	197.8	49
Grain-mill products.....	18.6	15	18.1	15	17.6	14
Bakery products.....	59.3	21	60.3	21	63.8	22
Sugar.....	3.2	10	3.1	11	3.5	11
Confectionery and related products.....	46.8	55	39.3	52	49.6	55
Beverages.....	22.0	10	22.0	10	22.1	10
Miscellaneous food products.....	35.9	26	38.2	27	41.2	28
<b>TOBACCO MANUFACTURES.....</b>	70.4	59	52.4	58	70.8	59
Cigarettes.....	14.2	44	13.7	43	14.0	44
Cigars.....	32.5	80	31.7	80	31.9	79
Tobacco and snuff.....	3.3	43	3.3	43	3.4	43
Tobacco stemming and redrying.....	20.4	53	3.7	34	21.5	53
<b>TEXTILE-MILL PRODUCTS.....</b>	469.8	44	464.8	43	518.5	44
Scouring and combing plants.....	.9	16	.7	12	1.1	16
Yarn and thread mills.....	56.7	46	56.7	46	66.6	46
Broad-woven fabric mills.....	190.8	40	191.8	40	212.6	40
Narrow fabrics and smallwares.....	16.2	56	16.2	56	17.5	56
Knitting mills.....	151.0	67	145.3	67	160.0	68
Dyeing and finishing textiles.....	19.6	22	19.0	22	20.4	22
Carpets, rugs, other floor coverings....	11.4	22	11.5	23	13.4	24
Hats (except cloth and millinery).....	5.6	38	5.7	39	6.0	38
Miscellaneous textile goods.....	17.6	29	17.9	29	20.9	31
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	908.5	77	858.4	77	942.9	77
Men's and boys' suits and coats.....	78.0	61	74.6	61	86.5	63
Men's and boys' furnishings and work clothing.....	248.4	84	238.8	84	266.1	85
Women's outerwear.....	274.7	78	256.2	80	269.7	77
Women's, children's under garments.....	97.8	87	93.4	87	99.2	87
Millinery.....	14.7	70	8.7	68	14.6	69
Children's outerwear.....	64.5	86	64.9	86	61.0	86
Fur goods.....	3.1	26	3.3	25	2.9	24
Miscellaneous apparel and accessories...	47.5	77	43.3	75	50.2	77
Other fabricated textile products.....	79.8	66	75.2	64	92.7	67
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	48.6	6	48.6	6	52.9	7
Logging camps and contractors.....	1.9	2	1.9	2	2.0	2
Sawmills and planing mills.....	15.0	4	14.8	4	16.5	4
Millwork, plywood, and prefabricated structural wood products.....	10.2	8	10.2	8	11.1	9
Wooden containers.....	11.1	19	11.3	19	11.8	18
Miscellaneous wood products.....	10.4	20	10.4	20	11.5	20

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

Industry group and industry	September 1954		June 1954		September 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>	61.6	18	58.3	18	69.0	19
Household furniture.....	43.2	17	39.5	17	47.0	18
Office, public-building, and profes- sional furniture.....	5.6	13	5.3	13	6.2	14
Partitions, shelving, lockers, and fixtures.....	3.5	11	3.7	11	4.1	12
Screens, blinds, and miscellaneous furniture and fixtures.....	9.3	36	9.8	36	11.7	39
<b>PAPER AND ALLIED PRODUCTS.....</b>	122.2	23	119.4	23	130.3	24
Pulp, paper, and paperboard mills.....	28.6	11	28.3	11	29.7	11
Paperboard containers and boxes.....	44.4	30	41.6	29	48.5	32
Other paper and allied products.....	49.2	40	49.5	40	52.1	41
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	222.7	28	218.2	27	224.5	28
Newspapers.....	54.0	18	54.0	18	53.5	18
Periodicals.....	25.6	41	24.6	40	25.5	41
Books.....	23.7	46	23.1	46	24.0	46
Commercial printing.....	53.6	26	52.0	25	54.1	26
Lithographing.....	17.8	30	17.0	29	18.1	31
Greeting cards.....	13.7	65	13.4	66	14.3	68
Bookbinding and related industries.....	19.0	43	19.0	43	20.2	44
Miscellaneous publishing and printing services.....	15.3	23	15.1	23	14.8	23
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	144.8	19	142.0	18	151.2	19
Industrial inorganic chemicals.....	8.6	9	8.4	9	8.3	9
Industrial organic chemicals.....	43.7	15	42.9	14	50.4	16
Drugs and medicines.....	37.3	40	36.3	40	37.4	41
Soap, cleaning and polishing prepara- tions.....	11.8	23	11.7	23	11.4	22
Paints, pigments, and fillers.....	10.7	15	10.8	15	11.1	15
Gum and wood chemicals.....	.4	5	.4	6	.4	6
Fertilizers.....	2.1	6	2.1	7	2.1	6
Vegetable and animal oils and fats.....	3.0	7	3.0	8	3.0	7
Miscellaneous chemicals.....	27.2	30	26.4	30	27.1	30
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	16.2	6	15.9	6	15.9	6
Petroleum refining.....	13.1	6	12.9	6	12.5	6
Coke and other petroleum and coal products.....	3.1	6	3.0	6	3.4	6
<b>RUBBER PRODUCTS.....</b>	65.6	26	65.4	26	75.0	27
Tires and inner tubes.....	19.1	17	18.8	17	20.3	17
Rubber footwear.....	12.8	49	12.0	48	15.1	51
Other rubber products.....	33.7	29	34.6	30	39.6	31
<b>LEATHER AND LEATHER PRODUCTS.....</b>	186.4	51	181.3	50	191.2	50
Leather: tanned, curried, and finished..	5.4	13	5.5	13	5.9	13
Industrial leather belting and packing..	1.5	33	1.6	34	1.8	36
Boot and shoe cut stock and findings....	5.8	41	6.5	41	6.5	42
Footwear (except rubber).....	133.2	55	133.7	55	134.8	55
Luggage.....	7.2	46	6.9	47	8.1	47
Handbags and small leather goods.....	22.8	68	17.7	67	22.2	69
Gloves and miscellaneous leather goods..	10.5	59	9.4	57	11.9	61

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

Industry group and industry	September 1954		June 1954		September 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>	84.5	16	83.2	16	93.0	17
Flat glass.....	1.8	6	1.9	7	2.4	7
Glass and glassware, pressed or blown...	28.4	32	29.2	32	31.8	32
Glass products made of purchased glass..	4.4	27	4.1	27	5.2	29
Cement, hydraulic.....	1.1	3	1.1	3	1.1	3
Structural clay products.....	6.0	8	6.1	8	5.7	7
Pottery and related products.....	18.1	33	17.1	33	20.4	36
Concrete, gypsum, and plaster products..	5.8	6	5.6	5	5.5	5
Cut-stone and stone products.....	.7	4	.7	4	.7	4
Miscellaneous nonmetallic mineral products.....	18.2	21	17.4	21	20.2	21
<b>PRIMARY METAL INDUSTRIES.....</b>	68.7	6	69.0	6	80.4	6
Blast furnaces, steel works, and rolling mills.....	23.4	4	23.2	4	24.9	4
Iron and steel foundries.....	9.6	5	9.9	5	12.0	5
Primary smelting and refining of nonferrous metals.....	1.6	3	1.7	3	1.7	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	10	9.6	9	11.5	10
Nonferrous foundries.....	9.9	14	9.8	14	13.5	15
Miscellaneous primary metal industries..	13.6	10	13.8	10	15.7	10
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	192.8	19	195.1	19	232.8	20
Tin cans and other tinware.....	14.7	25	15.0	26	16.6	27
Cutlery, hand tools, and hardware.....	40.6	29	40.9	28	47.9	31
Heating apparatus (except electric) and plumbers' supplies.....	15.5	13	14.9	13	17.8	13
Fabricated structural metal products....	20.0	7	19.7	7	21.4	8
Metal stamping, coating, and engraving..	48.3	23	49.7	22	61.9	24
Lighting fixtures.....	13.1	31	13.5	31	16.5	33
Fabricated wire products.....	12.1	24	12.4	23	15.8	25
Miscellaneous fabricated metal products..	28.5	23	29.0	23	34.9	24
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	210.1	14	219.4	14	241.9	15
Engines and turbines.....	9.9	14	10.8	14	12.0	14
Agricultural machinery and tractors....	13.9	10	14.7	10	15.9	10
Construction and mining machinery.....	10.2	8	10.3	8	11.2	9
Metalworking machinery.....	30.7	11	33.1	12	38.6	12
Special-industry machinery (except metalworking machinery).....	19.2	11	19.7	11	21.1	12
General industrial machinery.....	29.4	13	30.4	13	33.6	14
Office and store machines and devices...	28.5	28	28.5	28	31.5	29
Service-industry and household machines.	24.3	16	26.2	16	27.5	15
Miscellaneous machinery parts.....	44.0	18	45.7	18	50.5	19
<b>ELECTRICAL MACHINERY.....</b>	424.8	39	408.4	38	512.8	41
Electrical generating, transmission, distribution, and industrial apparatus.	100.3	28	104.6	29	121.7	31
Electrical appliances.....	20.1	32	19.6	32	25.7	36
Insulated wire and cable.....	6.3	22	6.1	22	8.0	24

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

Industry group and industry	September 1954		June 1954		September 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.....	22.9	33	23.3	33	27.8	34
Electric lamps.....	19.0	70	19.3	70	20.9	71
Communication equipment.....	239.4	47	219.8	46	288.6	50
Miscellaneous electrical products.....	16.8	36	15.7	34	20.1	39
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>205.8</b>	<b>13</b>	<b>223.5</b>	<b>13</b>	<b>260.0</b>	<b>13</b>
Automobiles.....	63.2	10	76.2	10	103.3	12
Aircraft and parts.....	132.3	17	136.7	17	143.1	18
Ship and boat building and repairing....	4.2	4	4.6	4	4.8	3
Railroad equipment.....	4.4	8	4.7	8	6.7	8
Other transportation equipment.....	1.7	16	1.3	14	2.1	17
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	<b>107.1</b>	<b>35</b>	<b>108.4</b>	<b>36</b>	<b>126.0</b>	<b>38</b>
Laboratory, scientific, and engineering instruments.....	11.8	25	12.5	25	14.8	27
Mechanical measuring and controlling instruments.....	25.7	33	24.1	32	27.9	35
Optical instruments and lenses.....	4.5	33	4.5	33	5.0	33
Surgical, medical, and dental instruments	17.1	43	17.2	43	19.4	45
Ophthalmic goods.....	10.4	43	11.1	44	11.9	44
Photographic apparatus.....	20.3	30	19.9	30	21.9	32
Watches and clocks.....	17.3	53	19.1	54	25.1	57
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>	<b>192.6</b>	<b>40</b>	<b>181.5</b>	<b>40</b>	<b>213.2</b>	<b>41</b>
Jewelry, silverware, and plated ware....	23.0	42	20.9	41	23.4	42
Musical instruments and parts.....	3.7	23	3.5	23	3.9	23
Toys and sporting goods.....	40.6	46	36.9	45	47.3	46
Pens, pencils, and other office supplies	15.5	52	15.1	52	15.6	52
Costume jewelry, buttons, notions.....	35.1	53	32.4	52	37.5	55
Fabricated plastic products.....	23.9	34	24.0	34	29.5	37
Other manufacturing industries.....	50.8	34	48.7	33	56.0	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	3.5	3.9	3.3	2.9	
<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	1.4	1.8	1.2	1.0	
<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	
<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	1.7	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	.3	.2	.2	
<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	3.4	3.6	3.3	

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

(Per 100 employees)

Industry group and industry	Separation										Total	
	Total		Quit		Discharge		Layoff		Misc., incl. military		accession	
	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954
<b>MANUFACTURING.....</b>	2.9	3.3	1.0	1.2	0.2	0.2	1.6	1.6	0.2	0.2	3.3	3.6
Durable Goods.....	2.9	3.4	.9	1.2	.2	.2	1.6	1.8	.2	.2	3.8	3.9
Nondurable Goods.....	2.9	3.0	1.1	1.3	.2	.2	1.5	1.3	.1	.1	2.5	3.0
<b>ORDNANCE AND ACCESSORIES.....</b>	1.8	3.4	.7	1.0	.1	.1	.8	2.2	.2	.1	1.7	2.5
<b>FOOD AND KINDRED PRODUCTS.....</b>	4.0	4.2	1.1	1.4	.2	.3	2.5	2.3	.1	.1	2.8	4.2
Meat products.....	3.5	4.6	.8	.9	.2	.3	2.2	3.2	.2	.3	3.6	4.7
Grain-mill products.....	2.7	2.8	.9	1.4	.4	.3	1.2	1.0	.2	.1	1.9	2.6
Bakery products.....	3.1	3.4	1.2	1.7	.2	.4	1.5	1.2	.1	.1	1.9	3.2
Beverages:												
Malt liquors.....	4.9	4.3	.3	.5	.1	.1	4.4	3.5	.2	.2	2.0	2.1
<b>TOBACCO MANUFACTURES.....</b>	1.6	2.0	1.1	1.3	.2	.2	.3	.5	.1	.1	1.3	2.2
Cigarettes.....	1.2	1.7	.7	.8	.3	.2	.1	.7	.1	.1	1.0	2.6
Cigars.....	2.1	2.3	1.4	1.8	.1	.2	.4	.2	.1	.1	1.6	2.2
Tobacco and snuff.....	1.1	1.6	.5	.8	.1	.1	.1	.5	.3	.3	.7	1.1
<b>TEXTILE-MILL PRODUCTS.....</b>	2.8	3.4	1.2	1.4	.2	.2	1.2	1.5	.1	.2	3.2	3.2
Yarn and thread mills.....	2.8	3.4	1.2	1.6	.3	.1	1.1	1.5	.1	.1	3.7	4.1
Broad-woven fabric mills.....	2.7	3.3	1.3	1.6	.3	.2	.9	1.2	.2	.3	3.2	3.3
Cotton, silk, synthetic fiber.....	2.4	2.9	1.3	1.6	.3	.2	.7	.8	.2	.3	3.1	3.2
Woolen and worsted.....	5.8	7.9	.9	1.2	.2	.3	4.5	6.1	.2	.2	4.8	3.3
Knitting mills.....	3.2	3.4	1.4	1.5	.2	.2	1.6	1.6	.1	.1	2.9	3.3
Full-fashioned hosiery.....	2.0	2.7	1.3	1.6	.2	.2	.5	.8	.1	.1	2.0	2.2
Seamless hosiery.....	2.4	2.5	1.3	1.4	.2	.2	.7	.7	.2	.2	3.6	4.5
Knit underwear.....	4.4	4.0	1.3	1.6	.1	.1	3.0	2.3	(1/)	(1/)	1.5	2.6
Dyeing and finishing textiles.....	2.5	2.2	.9	1.0	.3	.3	1.2	.7	.1	.2	3.6	2.9
Carpets, rugs, other floor coverings..	2.3	4.1	.6	.7	.1	.3	1.2	2.8	.3	.3	2.1	2.0
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	4.9	3.8	1.9	2.3	.1	.1	2.7	1.2	.1	.1	3.0	3.6
Men's and boys' suits and coats.....	8.0	4.1	1.0	1.7	.2	.1	6.4	2.0	.4	.3	2.5	3.1
Men's and boys' furnishings and work clothing.....	4.1	3.9	1.8	2.5	.1	.1	2.2	1.2	(1/)	(1/)	2.8	3.2
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	4.4	5.0	1.5	2.7	.3	.3	2.5	1.8	.1	.3	3.0	4.6
Logging camps and contractors.....	5.8	10.2	2.6	5.5	.6	.5	2.4	3.9	.2	.3	5.0	9.0
Sawmills and planing mills.....	3.6	4.0	1.4	2.2	.3	.3	1.9	1.3	.1	.1	2.6	3.5
Millwork, plywood, and prefabricated structural wood products.....	1.6	2.2	.9	1.3	.2	.3	.3	.4	.2	.2	2.0	2.7
<b>FURNITURE AND FIXTURES.....</b>	4.3	3.6	1.2	1.8	.3	.5	2.7	1.1	.2	.3	2.2	3.6
Household furniture.....	4.9	3.8	1.3	2.0	.3	.5	3.3	1.0	.2	.4	2.0	4.2
Other furniture and fixtures.....	2.7	3.1	1.0	1.4	.3	.3	1.3	1.2	.2	.3	2.8	2.1
<b>PAPER AND ALLIED PRODUCTS.....</b>	2.1	2.1	.8	1.1	.2	.2	.9	.6	.1	.2	1.6	3.0
Pulp, paper, and paperboard mills.....	1.5	1.6	.6	.8	.1	.1	.6	.5	.1	.2	1.2	1.7
Paperboard containers and boxes.....	2.5	2.6	1.2	1.5	.3	.4	.8	.5	.2	.2	2.3	3.0

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			
	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954
CHEMICALS AND ALLIED PRODUCTS.....	1.7	1.6	0.6	0.6	0.1	0.1	0.8	0.8	0.1	0.1	1.3	1.2
Industrial inorganic chemicals.....	1.7	1.6	.9	.8	.1	.2	.4	.5	.1	.1	1.6	1.5
Industrial organic chemicals.....	1.4	1.3	.3	.4	(1/)	.1	.9	.7	.1	.1	1.1	1.2
Synthetic fibers.....	2.4	1.7	.3	.3	(1/)	(1/)	1.9	1.3	.1	.1	1.8	2.0
Drugs and medicines.....	.8	1.3	.6	.6	.1	.1	(1/)	.4	.2	.2	.6	.9
Paints, pigments, and fillers.....	1.8	1.5	.9	.7	.2	.1	.5	.7	.2	.1	1.0	1.3
PRODUCTS OF PETROLEUM AND COAL.....	.7	1.4	.3	.4	.1	(1/)	.1	.8	.2	.2	.3	.6
Petroleum refining.....	.6	.6	.2	.2	(1/)	(1/)	.2	.2	.2	.2	.3	.3
RUBBER PRODUCTS.....	2.1	2.3	.8	.9	.1	.1	1.0	1.1	.1	.2	3.4	3.8
Tires and inner tubes.....	1.3	2.1	.6	.6	.1	.1	.5	1.2	.2	.2	2.9	2.8
Rubber footwear.....	2.3	1.8	1.8	1.5	.1	.1	.3	.1	.2	.1	3.0	4.3
Other rubber products.....	2.7	2.6	.8	1.0	.2	.2	1.6	1.2	.1	.1	3.9	4.7
LEATHER AND LEATHER PRODUCTS.....	2.5	2.6	1.4	1.6	.2	.2	.8	.7	.1	.2	3.0	2.8
Leather.....	1.3	2.1	.6	.9	.1	.1	.4	1.0	.1	.1	1.5	2.6
Footwear (except rubber).....	2.7	2.7	1.5	1.7	.2	.2	.9	.7	.1	.2	3.2	2.8
STONE, CLAY, AND GLASS PRODUCTS.....	2.1	2.0	.6	.7	.1	.1	1.2	1.0	.1	.1	2.4	2.7
Glass and glass products.....	3.1	2.6	.5	.7	.1	.1	2.4	1.6	.2	.1	3.4	4.1
Cement, hydraulic.....	1.4	1.1	.4	.6	.2	.2	.7	.1	.1	.2	.7	1.0
Structural clay products.....	1.9	2.2	.6	.8	.2	.2	.9	1.1	.2	.1	1.6	2.2
Pottery and related products.....	1.7	1.6	.9	.9	.2	.2	.6	.5	.1	(1/)	2.1	2.6
PRIMARY METAL INDUSTRIES.....	1.8	2.5	.5	.6	.1	.1	.9	1.6	.2	.2	2.5	2.8
Blast furnaces, steel works, and rolling mills.....	1.3	1.9	.3	.4	(1/)	(1/)	.7	1.3	.2	.1	1.8	1.8
Iron and steel foundries.....	2.9	3.4	.8	.8	.2	.2	1.8	2.3	.1	.1	3.7	3.5
Gray-iron foundries.....	2.3	3.6	.8	.9	.2	.2	1.2	2.4	.1	.1	4.2	3.8
Malleable-iron foundries.....	2.1	3.1	1.0	1.2	.3	.2	.6	1.6	.1	.1	5.4	3.8
Steel foundries.....	4.2	3.4	.7	.6	.1	.2	3.2	2.5	.2	.1	2.0	3.0
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	1.9	1.9	1.4	.7	.1	.1	.3	.7	.1	.3	2.2	1.9
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	1.0	.9	.4	.4	.1	.1	.3	.3	.2	.2	2.0	2.2
Nonferrous foundries.....	2.9	3.2	.9	.8	.3	.3	1.6	1.8	.1	.2	7.1	7.0
Other primary metal industries:												
Iron and steel forgings.....	2.3	3.0	.3	.5	.1	.1	1.8	2.1	.1	.2	2.1	4.0
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	3.2	3.9	.8	1.0	.2	.3	2.0	2.4	.2	.2	3.0	5.0
Cutlery, hand tools, and hardware.....	1.9	2.6	.9	.9	.1	.2	.7	1.3	.2	.2	3.0	4.0
Cutlery and edge tools.....	1.4	1.0	.6	.6	.2	.1	.5	.2	.1	(1/)	1.8	2.2
Hand tools.....	1.8	2.5	.5	.5	.1	.1	1.0	1.7	.2	.2	2.0	2.3
Hardware.....	2.1	3.1	1.2	1.2	.2	.3	.5	1.4	.2	.2	3.7	5.3

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	
	Total		Quit		Discharge		Layoff		Misc., incl. military		accession	
	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)-Continued</b>												
Heating apparatus (except electric) and plumbers' supplies.....	5.1	4.9	1.2	1.5	0.3	0.6	3.5	2.6	0.1	0.2	3.4	4.3
Sanitary ware and plumbers' supplies.....	2.6	3.8	1.4	1.3	.5	.7	.6	1.6	.2	.1	4.8	5.1
Oilburners, nonelectric heating and cooking apparatus, not else- where classified.....	7.2	5.7	1.0	1.7	.2	.5	5.7	3.4	.2	.2	2.2	3.7
Fabricated structural metal products.....	3.4	4.2	.7	.9	.2	.2	2.3	2.9	.1	.1	2.1	1.9
Metal stamping, coating, and engraving.....	(2/)	4.4	(2/)	1.0	(2/)	.2	(2/)	2.9	(2/)	.3	(2/)	9.5
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	2.3	2.9	.7	.8	.2	.2	1.2	1.7	.2	.2	2.5	2.1
Engines and turbines.....	3.6	2.7	.8	.7	.1	(1/)	2.5	1.8	.2	.2	3.2	1.6
Agricultural machinery and tractors..	2.2	3.6	.6	.5	.1	.1	1.1	2.7	.3	.3	5.9	3.4
Construction and mining machinery....	2.3	2.8	.8	.8	.2	.1	1.2	1.7	.1	.2	1.9	1.6
Metalworking machinery.....	2.1	2.8	.6	.8	.1	.1	1.2	1.6	.1	.2	1.7	1.7
Machine tools.....	2.2	2.6	.5	.6	.1	.1	1.5	1.7	.1	.2	1.2	1.4
Metalworking machinery (except machine tools).....	1.7	2.8	.7	1.1	.2	.1	.6	1.3	.1	.3	1.4	1.1
Machine-tool accessories.....	2.4	3.1	1.0	.9	.2	.2	1.0	1.8	.2	.1	3.2	3.4
Special-industry machinery (except metalworking machinery).....	1.6	2.9	.6	.8	.1	.2	.8	1.8	.1	.1	1.5	1.5
General industrial machinery.....	2.8	2.9	.8	.8	.1	.1	1.7	1.7	.2	.2	1.9	1.9
Office and store machines and devices.....	1.5	2.1	.8	1.1	.1	.2	.5	.6	.1	.2	2.7	2.7
Service-industry and household machines.....	2.8	4.4	.7	.8	.5	.5	1.5	2.7	.3	.4	3.1	2.8
Miscellaneous machinery parts.....	1.9	1.9	.6	.8	.2	.2	.9	.7	.2	.2	2.2	2.1
<b>ELECTRICAL MACHINERY.....</b>	2.8	2.8	1.2	1.2	.2	.2	1.2	1.1	.1	.3	2.7	2.9
Electrical generating, transmis- sion, distribution, and industrial apparatus.....	1.6	1.9	.6	.6	.1	.1	.7	.9	.2	.2	1.9	1.6
Communication equipment.....	3.3	3.0	1.7	1.6	.3	.2	1.2	.9	.1	.3	3.3	3.3
Radios, phonographs, television sets, and equipment.....	3.7	3.5	1.7	1.7	.3	.3	1.5	1.3	.2	.4	3.1	4.0
Telephone, telegraph, and related equipment.	2.0	1.2	1.3	.7	.1	.1	.3	.2	.3	.3	2.8	1.3
Electrical appliances, lamps, and miscellaneous products.....	3.6	4.0	.9	1.2	.1	.3	2.3	2.3	.2	.3	2.6	3.3
<b>TRANSPORTATION EQUIPMENT.....</b>	3.1	4.2	.9	1.0	.2	.2	1.7	2.8	.3	.3	8.8	6.9
Automobiles.....	2.9	4.6	.8	.6	.1	.1	1.4	3.6	.5	.4	15.5	11.3
Aircraft and parts.....	1.7	2.4	.9	1.2	.1	.2	.6	.9	.1	.2	2.2	2.1
Aircraft.....	1.5	2.3	1.0	1.3	.1	.2	.3	.7	.1	.1	2.4	2.1
Aircraft engines and parts.....	1.9	2.2	.7	.9	.2	.2	.9	.9	.1	.2	1.4	1.9
Aircraft propellers and parts.....	4.6	4.3	.7	1.2	.1	.2	3.7	2.7	.1	.2	.7	.9
Other aircraft parts and equipment..	3.1	3.9	1.0	1.2	.3	.3	1.6	2.3	.2	.2	2.5	3.2

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	
	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954	Nov. 1954	Oct. 1954
<b>TRANSPORTATION EQUIPMENT-Continued</b>												
Ship and boat building and repairing.....	(2/)	12.1	(2/)	2.0	(2/)	0.6	(2/)	9.3	(2/)	0.2	(2/)	12.6
Railroad equipment.....	(2/)	9.5	(2/)	.9	(2/)	.2	(2/)	7.8	(2/)	.6	(2/)	9.8
Locomotives and parts.....	(2/)	16.6	(2/)	.4	(2/)	.1	(2/)	14.8	(2/)	1.2	(2/)	3.4
Railroad and street cars.....	8.7	6.6	1.4	1.1	.3	.2	6.7	4.9	.4	.3	10.2	12.5
Other transportation equipment.....	10.1	3.0	.7	.9	.1	.1	9.2	1.8	.1	.3	.6	.6
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	1.6	2.5	.5	1.1	.1	.1	.8	1.1	.3	.3	1.7	1.6
Photographic apparatus.....	1.4	3.3	.5	2.5	(1/)	(1/)	.7	.6	.2	.2	.7	.7
Watches and clocks.....	2.7	2.1	.5	.9	.1	.1	1.9	1.0	.2	.1	2.0	2.3
Professional and scientific instruments.....	1.4	2.4	.5	.7	.1	.1	.5	1.2	.3	.3	2.1	2.0
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>	5.5	4.0	1.5	2.1	.3	.3	3.5	1.4	.1	.2	2.9	4.8
Jewelry, silverware, and plated ware.....	3.8	2.8	1.1	1.6	.2	.2	2.3	.8	.1	.1	2.7	3.0
<b>NONMANUFACTURING:</b>												
<b>METAL MINING.....</b>	4.6	4.6	2.8	1.3	.2	.3	1.1	2.5	.5	.4	3.0	2.4
Iron mining.....	3.6	6.5	.1	.3	(1/)	(1/)	2.7	5.7	.8	.5	.6	.7
Copper mining.....	(2/)	2.2	(2/)	1.3	(2/)	.2	(2/)	.4	(2/)	.2	(2/)	3.0
Lead and zinc mining.....	1.0	3.1	.7	1.1	.1	.1	(1/)	.8	.1	1.2	1.1	2.1
<b>ANTHRACITE MINING.....</b>	2.0	1.5	.1	.3	(1/)	(1/)	1.4	.9	.4	.2	1.6	3.2
<b>BITUMINOUS-COAL MINING.....</b>	1.4	2.7	.4	.4	(1/)	(1/)	.9	2.1	.1	.1	1.1	1.2
<b>COMMUNICATION:</b>												
Telephone.....	(2/)	1.5	(2/)	1.1	(2/)	(1/)	(2/)	.2	(2/)	.1	(2/)	1.3
Telegraph.....	(2/)	1.4	(2/)	.7	(2/)	(1/)	(2/)	.4	(2/)	.2	(2/)	1.4

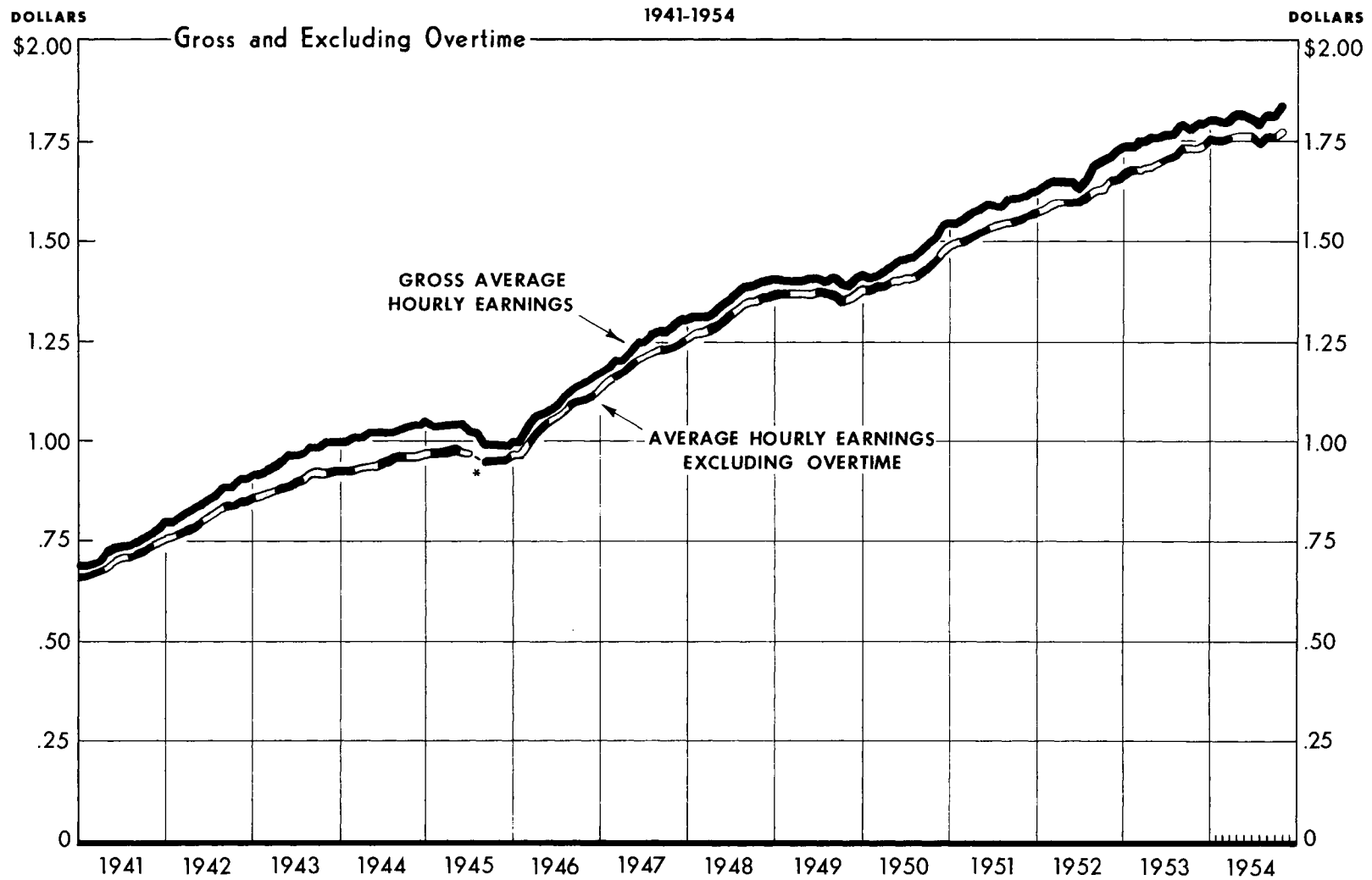
1/ Less than 0.05.

2/ Not available.

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

\*/ Primary smelting and refining of copper, lead, and zinc - August 1954 rates revised to: 8.0, 0.8, 0.2, 6.8, 0.3, and 2.2, respectively; September 1954 accession rate to 7.6.

## AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS IN MANUFACTURING INDUSTRIES



UNITED STATES DEPARTMENT OF LABOR  
BUREAU OF LABOR STATISTICS

\* Data not available

**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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>MINING:</b>									
<b>METAL MINING.....</b>	\$84.24	\$83.62	\$90.72	40.5	40.2	43.2	\$2.08	\$2.08	\$2.10
Iron mining.....	77.92	80.30	93.44	35.1	36.5	41.9	2.22	2.20	2.23
Copper mining.....	89.20	86.94	95.63	43.3	42.0	46.2	2.06	2.07	2.07
Lead and zinc mining.....	78.21	75.30	77.99	41.6	40.7	40.2	1.88	1.85	1.94
<b>ANTHRACITE.....</b>	85.26	86.27	63.49	33.7	34.1	25.6	2.58	2.53	2.48
<b>BITUMINOUS-COAL.....</b>	87.79	87.54	81.17	35.4	35.3	32.6	2.48	2.48	2.49
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:</b>									
Petroleum and natural-gas production (except contract services).....	91.30	90.85	94.39	40.4	40.2	41.4	2.26	2.26	2.28
<b>NONMETALLIC MINING AND QUARRYING.....</b>	78.77	79.92	76.99	44.5	44.9	44.5	1.77	1.78	1.73
<b>CONTRACT CONSTRUCTION.....</b>	94.98	95.74	93.00	37.1	37.4	37.2	2.56	2.56	2.50
<b>NONBUILDING CONSTRUCTION.....</b>	95.12	94.13	91.01	41.0	40.4	39.4	2.32	2.33	2.31
Highway and street.....	90.91	86.62	86.67	41.7	40.1	40.5	2.18	2.16	2.14
Other nonbuilding construction.....	98.82	100.53	94.18	40.5	40.7	38.6	2.44	2.47	2.44
<b>BUILDING CONSTRUCTION.....</b>	94.58	96.26	93.59	36.1	36.6	36.7	2.62	2.63	2.55
<b>GENERAL CONTRACTORS.....</b>	89.86	91.62	88.45	35.8	36.5	36.7	2.51	2.51	2.41
<b>SPECIAL-TRADE CONTRACTORS.....</b>	98.37	99.46	97.62	36.3	36.7	36.7	2.71	2.71	2.66
Plumbing and heating.....	100.27	103.63	101.08	37.0	38.1	38.0	2.71	2.72	2.66
Painting and decorating.....	91.61	92.75	88.41	34.7	35.0	34.4	2.64	2.65	2.57
Electrical work.....	111.45	115.05	114.17	38.3	39.0	39.1	2.91	2.95	2.92
Other special-trade contractors.....	95.23	94.87	93.70	35.8	35.8	35.9	2.66	2.65	2.61
<b>MANUFACTURING.....</b>	73.57	72.22	71.60	40.2	39.9	40.0	1.83	1.81	1.79
<b>DURABLE GOODS.....</b>	79.15	77.97	76.73	40.8	40.4	40.6	1.94	1.93	1.89
<b>NONDURABLE GOODS.....</b>	65.97	65.07	63.73	39.5	39.2	39.1	1.67	1.66	1.63
<b>ORDNANCE AND ACCESSORIES.....</b>	82.01	81.41	76.21	40.8	40.5	39.9	2.01	2.01	1.91
<b>FOOD AND KINDRED PRODUCTS.....</b>	70.79	68.30	68.31	41.4	40.9	41.4	1.71	1.67	1.65
Meat products.....	83.42	78.02	82.51	43.0	41.5	43.2	1.94	1.88	1.91
Meat packing, wholesale.....	87.47	81.71	87.20	43.3	41.9	43.6	2.02	1.95	2.00
Sausages and casings.....	79.95	76.30	76.68	42.3	40.8	42.6	1.89	1.87	1.80
Dairy products.....	68.59	70.47	67.94	42.6	43.5	43.0	1.61	1.62	1.58
Condensed and evaporated milk.....	70.28	70.31	68.25	44.2	44.5	44.9	1.59	1.58	1.52
Ice cream and ices.....	70.98	71.74	68.88	42.0	42.7	42.0	1.69	1.68	1.64
Canning and preserving.....	52.68	52.99	49.95	37.1	38.4	37.0	1.42	1.38	1.35
Sea food, canned and cured.....	43.20	38.09	40.17	26.5	27.4	26.6	1.63	1.39	1.51
Canned fruits, vegetables, and soups.....	55.30	55.60	52.80	39.5	40.0	39.4	1.40	1.39	1.34
Grain-mill products.....	75.77	75.31	72.04	43.8	44.3	43.4	1.73	1.70	1.66
Flour and other grain-mill products..	84.55	82.45	79.20	45.7	45.3	45.0	1.85	1.82	1.76
Prepared feeds.....	71.77	72.19	68.77	44.3	45.4	43.8	1.62	1.59	1.57
Bakery products.....	68.14	68.38	65.60	40.8	40.7	41.0	1.67	1.68	1.60
Bread and other bakery products.....	70.04	70.11	67.57	41.2	41.0	41.2	1.70	1.71	1.64
Biscuits, crackers, and pretzels.....	61.00	61.93	58.55	39.1	39.7	40.1	1.56	1.56	1.46
Sugar.....	78.53	68.06	74.21	49.7	41.5	48.5	1.58	1.64	1.53
Cane-sugar refining.....	81.32	74.03	72.90	42.8	39.8	40.5	1.90	1.86	1.80
Beet sugar.....	84.24	67.73	77.12	52.0	42.9	48.5	1.62	1.58	1.59
Confectionery and related products....	55.30	55.55	53.45	39.5	39.4	39.3	1.40	1.41	1.36
Confectionery.....	53.46	53.84	51.74	39.6	39.3	39.2	1.35	1.37	1.32
Beverages.....	79.00	78.78	75.41	39.9	40.4	39.9	1.98	1.95	1.89
Bottled soft drinks.....	59.94	61.59	59.86	40.5	41.9	41.0	1.48	1.47	1.46
Malt liquors.....	91.96	91.80	89.04	39.3	39.4	39.4	2.34	2.33	2.26
Distilled, rectified, and blended liquors.....	80.40	76.25	71.80	40.2	39.1	38.6	2.00	1.95	1.86

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>FOOD AND KINDRED PRODUCTS-Continued</b>									
Miscellaneous food products.....	\$68.43	\$67.68	\$65.57	42.5	42.3	42.3	\$1.61	\$1.60	\$1.55
Corn sirup, sugar, oil, and starch.....	87.16	86.96	85.80	43.8	43.7	42.9	1.99	1.99	2.00
Manufactured ice.....	65.99	65.86	65.21	45.2	44.8	45.6	1.46	1.47	1.43
<b>TOBACCO MANUFACTURES.....</b>									
Cigarettes.....	47.60	49.72	47.49	36.9	40.1	38.3	1.29	1.24	1.24
Cigars.....	61.88	66.99	60.84	38.2	41.1	39.0	1.62	1.63	1.56
Tobacco and snuff.....	45.08	44.66	44.35	38.2	38.5	38.9	1.18	1.16	1.14
Tobacco stemming and redrying.....	53.20	54.53	50.69	37.2	38.4	37.0	1.43	1.42	1.37
	34.07	39.96	36.90	33.4	41.2	36.9	1.02	.97	1.00
<b>TEXTILE-MILL PRODUCTS.....</b>									
Scouring and combing plants.....	54.66	53.31	52.33	39.9	39.2	38.2	1.37	1.36	1.37
Yarn and thread mills.....	56.25	55.03	52.46	35.6	35.5	31.6	1.58	1.55	1.66
Yarn mills.....	48.00	47.00	45.75	38.4	37.6	36.6	1.25	1.25	1.25
Thread mills.....	47.88	47.13	45.38	38.3	37.7	36.3	1.25	1.25	1.25
Broad-woven fabric mills.....	47.74	44.80	47.23	37.3	35.0	36.9	1.28	1.28	1.28
Cotton, silk, synthetic fiber.....	53.33	52.14	51.21	40.4	39.5	38.5	1.32	1.32	1.33
North.....	52.39	50.96	49.92	40.3	39.5	38.7	1.30	1.29	1.29
South.....	57.77	55.81	54.81	40.4	39.3	38.6	1.43	1.42	1.42
Woolen and worsted.....	51.18	50.17	48.76	40.3	39.5	38.7	1.27	1.27	1.26
Narrow fabrics and smallwares.....	61.86	60.80	57.88	40.7	40.0	37.1	1.52	1.52	1.56
Knitting mills.....	55.44	54.60	53.54	39.6	39.0	38.8	1.40	1.40	1.38
Full-fashioned hosiery.....	50.95	50.17	48.73	38.6	38.3	37.2	1.32	1.31	1.31
North.....	56.94	54.96	57.75	39.0	37.9	38.5	1.46	1.45	1.50
South.....	56.45	53.00	59.04	38.4	36.3	39.1	1.47	1.46	1.51
Seamless hosiery.....	57.38	56.12	56.85	39.3	38.7	37.9	1.46	1.45	1.50
North.....	44.05	43.66	39.93	38.3	38.3	36.3	1.15	1.14	1.10
South.....	44.39	44.72	41.07	37.3	37.9	35.1	1.19	1.18	1.17
Knit outerwear.....	43.78	43.39	39.89	38.4	38.4	36.6	1.14	1.13	1.09
Knit underwear.....	54.00	53.38	52.30	38.3	38.4	37.9	1.41	1.39	1.38
Dyeing and finishing textiles.....	46.87	45.74	42.23	37.8	37.8	34.9	1.24	1.21	1.21
Dyeing and finishing textiles (except wool).....	64.30	62.67	61.56	42.3	41.5	40.5	1.52	1.51	1.52
Carpets, rugs, other floor coverings....	64.18	62.55	61.46	42.5	41.7	40.7	1.51	1.50	1.51
Wool carpets, rugs, and carpet yarn....	70.47	72.28	68.16	40.5	41.3	39.4	1.74	1.75	1.73
Hats (except cloth and millinery).....	66.22	67.82	65.91	38.5	39.2	38.1	1.72	1.73	1.73
Miscellaneous textile goods.....	57.82	53.59	54.77	37.3	34.8	35.8	1.55	1.54	1.53
Felt goods (except woven felts and hats).....	63.90	62.87	62.31	40.7	40.3	40.2	1.57	1.56	1.55
Lace goods.....	72.34	71.81	72.10	41.1	40.8	41.2	1.76	1.76	1.75
Paddings and upholstery filling.....	62.05	61.38	61.88	38.3	37.2	38.2	1.62	1.65	1.62
Processed waste and recovered fibers...	69.64	67.57	64.64	41.7	41.2	39.9	1.67	1.64	1.62
Artificial leather, oilcloth, and other coated fabrics.....	52.45	52.08	50.87	42.3	42.0	41.7	1.24	1.24	1.22
Cordage and twine.....	84.71	81.84	81.07	45.3	44.0	44.3	1.87	1.86	1.83
	52.22	53.54	52.25	38.4	38.8	38.7	1.36	1.38	1.35
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>									
Men's and boys' suits and coats.....	48.37	47.84	48.06	36.1	35.7	35.6	1.34	1.34	1.35
Men's and boys' furnishings and work clothing.....	54.92	53.63	57.48	33.9	32.9	35.7	1.62	1.63	1.61
Shirts, collars, and nightwear.....	41.72	41.58	40.81	36.6	36.8	35.8	1.14	1.13	1.14
Separate trousers.....	43.70	42.75	42.75	38.0	37.5	37.5	1.15	1.14	1.14
Work shirts.....	42.24	42.13	43.07	35.8	35.7	35.3	1.18	1.18	1.22
Women's outerwear.....	32.30	33.65	31.58	34.0	35.8	33.6	.95	.94	.94
Women's dresses.....	51.65	50.40	50.76	34.9	33.6	34.3	1.48	1.50	1.48
Household apparel.....	52.65	52.05	51.15	35.1	33.8	34.1	1.50	1.54	1.50
Women's suits, coats, and skirts.....	41.51	40.18	39.53	37.4	36.2	36.6	1.11	1.11	1.08
Women's, children's under garments.....	61.46	59.40	60.96	31.2	29.7	31.1	1.97	2.00	1.96
Underwear and nightwear, except corsets.....	45.51	45.50	44.77	37.3	37.6	37.0	1.22	1.21	1.21
Corsets and allied garments.....	42.98	43.05	42.67	37.7	38.1	37.1	1.14	1.13	1.15
Millinery.....	49.55	49.18	48.21	36.7	36.7	36.8	1.35	1.34	1.31
Children's outerwear.....	51.90	59.13	51.48	33.7	36.5	33.0	1.54	1.62	1.56
	44.77	44.16	44.27	37.0	36.2	35.7	1.21	1.22	1.24

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS-Continued</b>									
Miscellaneous apparel and accessories...	\$45.63	\$45.38	\$44.77	37.4	37.2	36.4	\$1.22	\$1.22	\$1.23
Other fabricated textile products.....	49.54	49.02	48.38	38.4	38.3	37.5	1.29	1.28	1.29
Curtains, draperies, and other housefurnishings.....	44.89	45.24	42.41	38.7	39.0	37.2	1.16	1.16	1.14
Textile bags.....	52.52	51.71	50.14	38.9	38.3	37.7	1.35	1.35	1.33
Canvas products.....	51.71	52.50	49.37	38.3	38.6	37.4	1.35	1.36	1.32
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>									
Logging camps and contractors.....	69.31	70.14	65.20	41.5	41.5	40.0	1.67	1.69	1.63
Sawmills and planing mills.....	77.01	77.03	75.85	39.9	39.3	38.5	1.93	1.96	1.97
Sawmills and planing mills, general....	69.72	70.81	65.76	42.0	41.9	40.1	1.66	1.69	1.64
South.....	70.14	71.40	66.17	42.0	42.0	40.1	1.67	1.70	1.65
West.....	45.57	46.11	43.99	43.4	43.5	42.3	1.05	1.06	1.04
Millwork, plywood, and prefabricated structural wood products.....	87.64	88.44	82.94	40.2	40.2	38.4	2.18	2.20	2.16
Millwork.....	73.43	74.12	68.54	42.2	42.6	40.8	1.74	1.74	1.68
Plywood.....	73.27	73.96	67.98	42.6	43.0	41.2	1.72	1.72	1.65
Wooden containers.....	76.36	77.51	69.43	42.9	43.3	40.6	1.78	1.79	1.71
Wooden boxes, other than cigar.....	51.03	51.82	49.85	40.5	40.8	40.2	1.26	1.27	1.24
Miscellaneous wood products.....	50.90	51.56	48.56	40.4	40.6	39.8	1.26	1.27	1.22
Miscellaneous wood products.....	57.41	56.72	54.54	41.3	41.1	40.7	1.39	1.38	1.34
<b>FURNITURE AND FIXTURES.....</b>									
Household furniture.....	64.78	65.10	63.49	41.0	41.2	40.7	1.58	1.58	1.56
Household furniture.....	61.91	62.62	61.00	41.0	41.2	40.4	1.51	1.52	1.51
Wood household furniture, except upholstered.....	56.58	56.44	55.35	41.6	41.5	40.7	1.36	1.36	1.36
Wood household furniture, upholstered..	69.47	68.89	66.58	41.6	41.5	40.6	1.67	1.66	1.64
Mattresses and bedsprings.....	65.80	68.95	63.69	39.4	40.8	38.6	1.67	1.69	1.65
Office, public-building, and professional furniture.....	72.63	72.98	71.55	41.5	41.7	41.6	1.75	1.75	1.72
Wood office furniture.....	58.65	60.49	60.89	39.1	40.6	39.8	1.50	1.49	1.53
Metal office furniture.....	79.32	78.34	77.71	41.1	40.8	40.9	1.93	1.92	1.90
Partitions, shelving, lockers, and fixtures.....	76.81	75.84	76.26	39.8	39.5	41.0	1.93	1.92	1.86
Screens, blinds, and miscellaneous furniture and fixtures.....	64.21	65.41	63.57	40.9	41.4	42.1	1.57	1.58	1.51
<b>PAPER AND ALLIED PRODUCTS.....</b>									
Pulp, paper, and paperboard mills.....	75.76	76.01	73.36	42.8	42.7	42.9	1.77	1.78	1.71
Pulp, paper, and paperboard mills.....	81.91	82.16	80.08	43.8	43.7	44.0	1.87	1.88	1.82
Paperboard containers and boxes.....	71.99	71.23	68.10	42.6	42.4	42.3	1.69	1.68	1.61
Paperboard boxes.....	71.90	71.14	68.00	42.8	42.6	42.5	1.68	1.67	1.60
Fiber cans, tubes, and drums.....	72.31	74.80	70.24	39.3	40.0	40.6	1.84	1.87	1.73
Other paper and allied products.....	67.82	67.65	65.19	41.1	41.0	41.0	1.65	1.65	1.59
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>									
Newspapers.....	88.17	87.94	86.14	38.5	38.4	38.8	2.29	2.29	2.22
Periodicals.....	93.70	94.32	92.57	35.9	36.0	36.3	2.61	2.62	2.55
Books.....	89.04	89.55	86.24	39.4	39.8	39.2	2.26	2.25	2.20
Commercial printing.....	77.22	76.82	73.68	39.0	39.6	39.4	1.98	1.94	1.87
Lithographing.....	86.72	86.29	85.41	39.6	39.4	40.1	2.19	2.19	2.13
Greeting cards.....	88.04	88.00	84.65	40.2	40.0	40.5	2.19	2.20	2.09
Bookbinding and related industries.....	55.52	52.68	51.34	39.1	37.9	38.6	1.42	1.39	1.33
Miscellaneous publishing and printing services.....	68.95	68.38	67.49	39.4	39.3	39.7	1.75	1.74	1.70
Miscellaneous publishing and printing services.....	106.11	104.99	105.20	39.3	38.6	39.4	2.70	2.72	2.67
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>									
Industrial inorganic chemicals.....	79.71	78.69	76.82	41.3	41.2	41.3	1.93	1.91	1.86
Industrial inorganic chemicals.....	87.53	87.31	84.05	40.9	40.8	41.0	2.14	2.14	2.05
Alkalies and chlorine.....	86.07	86.67	82.62	40.6	40.5	40.9	2.12	2.14	2.02
Industrial organic chemicals.....	84.46	83.64	81.20	40.8	40.6	40.4	2.07	2.06	2.01
Plastics, except synthetic rubber.....	85.85	85.87	83.58	42.5	42.3	42.0	2.02	2.03	1.99
Synthetic rubber.....	93.30	91.39	87.82	41.1	40.8	40.1	2.27	2.24	2.19
Synthetic fibers.....	73.12	72.40	69.24	40.4	40.0	38.9	1.81	1.81	1.78
Explosives.....	79.00	78.01	77.38	39.9	39.6	40.3	1.98	1.97	1.92

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>CHEMICALS AND ALLIED PRODUCTS-Continued</b>									
Drugs and medicines.....	\$73.75	\$73.34	\$71.97	41.2	41.2	41.6	\$1.79	\$1.78	\$1.73
Soap, cleaning and polishing preparations.....	82.82	82.01	79.71	41.0	40.8	41.3	2.02	2.01	1.93
Soap and glycerin.....	90.61	89.54	87.77	41.0	40.7	41.4	2.21	2.20	2.12
Paints, pigments, and fillers.....	79.07	77.90	76.54	41.4	41.0	41.6	1.91	1.90	1.84
Paints, varnishes, lacquers, and enamels.....	77.46	76.11	75.53	41.2	40.7	41.5	1.88	1.87	1.82
Gum and wood chemicals.....	68.88	67.36	65.10	42.0	42.1	42.0	1.64	1.60	1.55
Fertilizers.....	61.03	60.19	57.54	41.8	41.8	41.1	1.46	1.44	1.40
Vegetable and animal oils and fats.....	69.58	67.68	66.58	46.7	47.0	47.9	1.49	1.44	1.39
Vegetable oils.....	63.92	63.10	62.10	47.0	47.8	48.9	1.36	1.32	1.27
Animal oils and fats.....	81.60	77.63	76.44	46.1	45.4	45.5	1.77	1.71	1.68
Miscellaneous chemicals.....	72.90	72.09	70.99	40.5	40.5	40.8	1.80	1.78	1.74
Essential oils, perfumes, cosmetics....	60.76	60.76	60.44	39.2	39.2	39.5	1.55	1.55	1.53
Compressed and liquified gases.....	83.80	82.74	80.67	41.9	42.0	41.8	2.00	1.97	1.93
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	<b>93.43</b>	<b>92.57</b>	<b>92.21</b>	<b>40.8</b>	<b>40.6</b>	<b>40.8</b>	<b>2.29</b>	<b>2.28</b>	<b>2.26</b>
Petroleum refining.....	96.87	95.75	96.46	40.7	40.4	40.7	2.38	2.37	2.37
Coke and other petroleum and coal products.....	81.77	82.17	78.72	41.3	41.5	41.0	1.98	1.98	1.92
<b>RUBBER PRODUCTS.....</b>	<b>83.22</b>	<b>81.20</b>	<b>75.65</b>	<b>41.2</b>	<b>40.4</b>	<b>39.4</b>	<b>2.02</b>	<b>2.01</b>	<b>1.92</b>
Tires and inner tubes.....	95.47	90.39	85.09	40.8	39.3	38.5	2.34	2.30	2.21
Rubber footwear.....	71.51	71.34	63.57	41.1	41.0	39.0	1.74	1.74	1.63
Other rubber products.....	75.12	74.98	70.53	41.5	41.2	40.3	1.81	1.82	1.75
<b>LEATHER AND LEATHER PRODUCTS.....</b>	<b>50.92</b>	<b>49.62</b>	<b>49.82</b>	<b>36.9</b>	<b>35.7</b>	<b>36.1</b>	<b>1.38</b>	<b>1.39</b>	<b>1.38</b>
Leather: tanned, curried, and finished..	70.88	69.60	68.38	39.6	39.1	39.3	1.79	1.78	1.74
Industrial leather belting and packing..	68.34	66.53	66.02	40.2	39.6	40.5	1.70	1.68	1.63
Boot and shoe cut stock and findings....	50.18	47.66	48.33	36.9	35.3	35.8	1.36	1.35	1.35
Footwear (except rubber).....	47.26	45.62	45.80	35.8	34.3	34.7	1.32	1.33	1.32
Luggage.....	59.58	61.20	58.02	39.2	40.0	39.2	1.52	1.53	1.48
Handbags and small leather goods.....	50.40	48.63	49.13	40.0	38.9	39.3	1.26	1.25	1.25
Gloves and miscellaneous leather goods..	46.38	45.38	44.41	37.4	36.6	36.4	1.24	1.24	1.22
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	<b>73.98</b>	<b>73.34</b>	<b>71.05</b>	<b>41.1</b>	<b>41.2</b>	<b>40.6</b>	<b>1.80</b>	<b>1.78</b>	<b>1.75</b>
Flat glass.....	111.14	102.12	97.77	42.1	42.2	40.4	2.64	2.42	2.42
Glass and glassware, pressed or blown...	71.74	72.25	70.13	39.2	39.7	39.4	1.83	1.82	1.78
Glass containers.....	73.45	73.63	72.09	39.7	39.8	40.5	1.85	1.85	1.78
Pressed and blown glass.....	69.48	70.31	68.00	38.6	39.5	38.2	1.80	1.78	1.78
Glass products made of purchased glass..	63.72	63.72	60.98	42.2	42.2	41.2	1.51	1.51	1.48
Cement, hydraulic.....	75.35	76.91	72.75	41.4	41.8	41.1	1.82	1.84	1.77
Structural clay products.....	67.40	67.40	65.92	41.1	41.1	41.2	1.64	1.64	1.60
Brick and hollow tile.....	65.91	65.79	64.22	42.8	43.0	43.1	1.54	1.53	1.49
Floor and wall tile.....	68.28	68.28	68.95	40.4	40.4	40.8	1.69	1.69	1.69
Sewer pipe.....	68.71	69.19	67.23	40.9	40.7	40.5	1.68	1.70	1.66
Clay refractories.....	69.56	68.63	67.28	37.4	36.9	37.8	1.86	1.86	1.78
Pottery and related products.....	64.56	64.26	62.42	38.2	37.8	37.6	1.69	1.70	1.66
Concrete, gypsum, and plaster products..	75.31	76.27	73.35	44.3	44.6	43.4	1.70	1.71	1.69
Concrete products.....	72.65	74.09	71.28	44.3	44.9	43.2	1.64	1.65	1.65
Cut-stone and stone products.....	65.94	66.04	64.06	42.0	41.8	41.6	1.57	1.58	1.54
Miscellaneous nonmetallic mineral products.....	76.14	75.58	72.86	40.5	40.2	39.6	1.88	1.88	1.84
Abrasive products.....	79.79	78.20	78.41	39.5	39.1	39.4	2.02	2.00	1.99
Asbestos products.....	78.66	78.66	77.04	41.4	41.4	42.1	1.90	1.90	1.83
Nonclay refractories.....	77.34	72.00	67.97	38.1	36.0	34.5	2.03	2.00	1.97
<b>PRIMARY METAL INDUSTRIES.....</b>	<b>84.10</b>	<b>82.64</b>	<b>82.78</b>	<b>39.3</b>	<b>38.8</b>	<b>39.8</b>	<b>2.14</b>	<b>2.13</b>	<b>2.08</b>
Blast furnaces, steel works, and rolling mills.....	86.40	84.45	86.33	38.4	37.7	39.6	2.25	2.24	2.18
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	86.40	84.45	86.33	38.4	37.7	39.6	2.25	2.24	2.18
Electrometallurgical products.....	81.81	82.01	78.99	40.3	40.4	40.3	2.03	2.03	1.96

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>PRIMARY METAL INDUSTRIES-Continued</b>									
Iron and steel foundries.....	\$75.85	\$75.66	\$73.90	39.3	39.2	39.1	\$1.93	\$1.93	\$1.89
Gray-iron foundries.....	75.83	75.05	73.47	39.7	39.5	39.5	1.91	1.90	1.86
Malleable-iron foundries.....	77.61	77.02	71.63	39.8	39.7	37.9	1.95	1.94	1.89
Steel foundries.....	75.20	76.00	76.63	37.6	38.0	38.7	2.00	2.00	1.98
Primary smelting and refining of nonferrous metals.....	81.00	80.40	82.98	40.3	40.0	41.7	2.01	2.01	1.99
Primary smelting and refining of copper, lead, and zinc.....	78.00	76.43	82.45	40.0	39.6	42.5	1.95	1.93	1.94
Primary refining of aluminum.....	86.90	86.46	85.06	40.8	40.4	40.7	2.13	2.14	2.09
Secondary smelting and refining of nonferrous metals.....	78.12	77.15	72.92	42.0	41.7	41.2	1.86	1.85	1.77
Rolling, drawing, and alloying of nonferrous metals.....	85.69	83.44	80.38	41.8	40.7	40.8	2.05	2.05	1.97
Rolling, drawing, and alloying of copper.....	88.61	83.64	81.39	42.6	40.6	40.9	2.08	2.06	1.99
Rolling, drawing, and alloying of aluminum.....	81.61	81.61	76.82	40.6	40.4	39.6	2.01	2.02	1.94
Nonferrous foundries.....	84.24	84.25	80.00	40.5	40.9	40.0	2.08	2.06	2.00
Miscellaneous primary metal industries..	86.80	86.18	85.63	40.0	39.9	40.2	2.17	2.16	2.13
Iron and steel forgings.....	88.76	87.46	90.13	39.1	38.7	40.6	2.27	2.26	2.22
Wire drawing.....	87.95	87.33	81.12	41.1	41.0	39.0	2.14	2.13	2.08
Welded and heavy-riveted pipe.....	82.08	85.22	84.42	38.9	40.2	40.2	2.11	2.12	2.10
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)</b>									
Tin cans and other tinware.....	79.52	78.53	76.67	41.2	40.9	41.0	1.93	1.92	1.87
Cutlery, hand tools, and hardware.....	79.60	80.00	75.70	39.8	40.2	40.7	2.00	1.99	1.86
Cutlery and edge tools.....	75.89	75.70	73.39	40.8	40.7	41.0	1.86	1.86	1.79
Hand tools.....	69.97	68.21	69.39	41.4	40.6	41.8	1.69	1.68	1.66
Hardware.....	74.21	73.10	74.03	39.9	39.3	40.9	1.86	1.86	1.81
Heating apparatus (except electric) and plumbers supplies.....	78.72	79.30	74.26	41.0	41.3	40.8	1.92	1.92	1.82
Sanitary ware and plumbers' supplies...	75.79	76.92	72.31	40.1	40.7	39.3	1.89	1.89	1.84
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	81.39	79.59	76.04	40.9	40.4	39.4	1.99	1.97	1.93
Fabricated structural metal products...	73.45	75.89	71.13	39.7	40.8	39.3	1.85	1.86	1.81
Structural steel and ornamental metal work.....	79.35	79.56	81.87	40.9	40.8	42.2	1.94	1.95	1.94
Metal doors, sash, frames, molding, and trim.....	80.29	79.90	83.23	41.6	41.4	42.9	1.93	1.93	1.94
Boiler-shop products.....	79.79	80.19	76.52	40.3	40.5	40.7	1.98	1.98	1.88
Sheet-metal work.....	79.17	78.39	81.48	40.6	40.2	42.0	1.95	1.95	1.94
Metal stamping, coating, and engraving..	77.79	78.78	80.90	40.1	40.4	41.7	1.94	1.95	1.94
Vitreous-enameled products.....	84.40	82.98	78.12	42.2	41.7	40.9	2.00	1.99	1.91
Stamped and pressed metal products.....	63.34	63.18	59.59	39.1	39.0	38.2	1.62	1.62	1.56
Lighting fixtures.....	87.56	85.90	80.36	42.3	41.9	41.0	2.07	2.05	1.96
Fabricated wire products.....	79.68	76.48	72.90	41.5	40.9	40.5	1.92	1.87	1.80
Miscellaneous fabricated metal products.	76.78	73.89	73.12	41.5	40.6	40.4	1.85	1.82	1.81
Metal shipping barrels, drums, kegs, and pails.....	79.23	77.08	76.36	41.7	41.0	41.5	1.90	1.88	1.84
Steel springs.....	83.84	83.64	82.21	40.5	40.6	40.7	2.07	2.06	2.02
Bolts, nuts, washers, and rivets.....	85.70	77.01	81.81	41.4	38.7	40.7	2.07	1.99	2.01
Screw-machine products.....	80.48	78.91	75.85	41.7	41.1	41.0	1.93	1.92	1.85
	78.68	76.45	78.75	42.3	41.1	42.8	1.86	1.86	1.84
<b>MACHINERY (EXCEPT ELECTRICAL)</b>									
Engines and turbines.....	81.81	81.61	82.78	40.3	40.2	41.6	2.03	2.03	1.99
Steam engines, turbines, and water wheels.....	86.46	85.97	85.88	40.4	39.8	40.7	2.14	2.16	2.11
Diesel and other internal-combustion engines, not elsewhere classified.....	100.67	97.34	94.24	41.6	40.9	41.7	2.42	2.38	2.26
Agricultural machinery and tractors.....	81.00	81.56	82.62	39.9	39.4	40.3	2.03	2.07	2.05
Tractors.....	78.40	76.81	75.46	39.2	38.6	39.3	2.00	1.99	1.92
Agricultural machinery (except tractors).....	81.97	79.52	79.00	39.6	38.6	39.5	2.07	2.06	2.00
	74.69	73.73	72.52	38.9	38.6	39.2	1.92	1.91	1.85

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>MACHINERY (EXCEPT ELECTRICAL)-Continued</b>									
Construction and mining machinery.....	\$78.60	\$78.01	\$78.55	39.9	39.8	40.7	\$1.97	\$1.96	\$1.93
Construction and mining machinery, except for oil fields.....	77.42	77.22	77.18	39.5	39.6	40.2	1.96	1.95	1.92
Oil-field machinery and tools.....	81.20	79.79	81.93	40.6	40.3	41.8	2.00	1.98	1.96
Metalworking machinery.....	91.30	92.16	95.66	41.5	41.7	44.7	2.20	2.21	2.14
Machine tools.....	86.51	87.99	95.10	41.0	41.7	45.5	2.11	2.11	2.09
Metalworking machinery (except machine tools).....	83.42	83.41	86.92	40.3	40.1	42.4	2.07	2.08	2.05
Machine-tool accessories.....	97.94	98.60	100.11	42.4	42.5	45.3	2.31	2.32	2.21
Special-industry machinery (except metalworking machinery).....	79.76	79.37	81.48	40.9	40.7	42.0	1.95	1.95	1.94
Food-products machinery.....	79.79	79.59	81.09	40.5	40.4	41.8	1.97	1.97	1.94
Textile machinery.....	71.63	70.18	71.15	40.7	40.1	40.2	1.76	1.75	1.77
Paper-industries machinery.....	82.84	82.10	81.65	42.7	42.1	43.2	1.94	1.95	1.89
Printing-trades machinery and equipment.....	88.13	88.32	97.46	40.8	40.7	44.3	2.16	2.17	2.20
General industrial machinery.....	80.40	81.20	83.33	40.0	40.4	42.3	2.01	2.01	1.97
Pumps, air and gas compressors.....	78.80	80.39	81.51	40.0	40.6	41.8	1.97	1.98	1.95
Conveyors and conveying equipment.....	79.15	81.20	85.77	38.8	40.0	43.1	2.04	2.03	1.99
Blowers, exhaust and ventilating fans..	74.82	76.40	75.99	39.8	40.0	41.3	1.88	1.91	1.84
Industrial trucks, tractors, etc.....	82.01	81.41	84.18	40.6	40.5	42.3	2.02	2.01	1.99
Mechanical power-transmission equipment.....	82.22	82.62	85.02	40.5	40.7	42.3	2.03	2.03	2.01
Mechanical stokers and industrial furnaces and ovens.....	80.00	81.41	81.76	40.0	40.3	41.5	2.00	2.02	1.97
Office and store machines and devices...	80.60	79.80	78.39	40.1	39.9	40.2	2.01	2.00	1.95
Computing machines and cash registers..	87.02	85.93	84.21	40.1	39.6	40.1	2.17	2.17	2.10
Typewriters.....	76.89	74.70	72.54	40.9	40.6	40.3	1.88	1.84	1.80
Service-industry and household machines.	79.40	79.80	77.03	39.7	40.1	39.5	2.00	1.99	1.95
Domestic laundry equipment.....	84.87	87.35	78.20	41.4	42.2	39.9	2.05	2.07	1.96
Commercial laundry, dry-cleaning, and pressing machines.....	74.15	74.59	76.91	40.3	40.1	41.8	1.84	1.86	1.84
Sewing machines.....	81.41	80.40	78.61	40.5	40.2	39.7	2.01	2.00	1.98
Refrigerators and air-conditioning units.....	79.40	79.40	77.03	39.5	39.7	39.1	2.01	2.00	1.97
Miscellaneous machinery parts.....	79.79	78.61	79.73	40.3	39.7	41.1	1.98	1.98	1.94
Fabricated pipe, fittings, and valves..	81.00	78.20	80.73	40.3	39.1	41.4	2.01	2.00	1.95
Ball and roller bearings.....	77.22	77.42	76.04	39.2	39.1	39.4	1.97	1.98	1.93
Machine shops (job and repair).....	79.93	79.54	81.22	41.2	41.0	42.3	1.94	1.94	1.92
<b>ELECTRICAL MACHINERY.....</b>	<b>74.48</b>	<b>73.93</b>	<b>72.14</b>	<b>40.7</b>	<b>40.4</b>	<b>40.3</b>	<b>1.83</b>	<b>1.83</b>	<b>1.79</b>
Electrical generating, transmission, distribution, and industrial apparatus..	79.76	78.76	78.12	40.9	40.6	40.9	1.95	1.94	1.91
Wiring devices and supplies.....	70.76	69.89	68.74	40.9	40.4	40.2	1.73	1.73	1.71
Carbon and graphite products (electrical).....	74.34	74.96	75.58	40.4	40.3	40.2	1.84	1.86	1.88
Electrical indicating, measuring, and recording instruments.....	73.42	74.89	73.89	39.9	40.7	40.6	1.84	1.84	1.82
Motors, generators, and motor-generator sets.....	84.66	84.87	84.05	40.9	41.0	41.2	2.07	2.07	2.04
Power and distribution transformers....	81.38	79.76	76.81	41.1	40.9	39.8	1.98	1.95	1.93
Switchgear, switchboard, and industrial controls.....	79.73	76.78	76.54	41.1	40.2	41.6	1.94	1.91	1.84
Electrical welding apparatus.....	83.63	83.64	81.77	41.4	41.0	41.3	2.02	2.04	1.98
Electrical appliances.....	79.17	73.73	77.76	40.6	38.2	40.5	1.95	1.93	1.92
Insulated wire and cable.....	73.28	72.39	69.60	41.4	40.9	40.7	1.77	1.77	1.71
Electrical equipment for vehicles.....	78.40	81.18	76.00	40.0	41.0	40.0	1.96	1.98	1.90
Electric lamps.....	68.51	67.77	65.85	40.3	40.1	40.4	1.70	1.69	1.63
Communication equipment.....	70.99	70.88	67.26	40.8	40.5	39.8	1.74	1.75	1.69
Radios, phonographs, television sets, and equipment.....	69.02	69.32	66.23	40.6	40.3	39.9	1.70	1.72	1.66
Radio tubes.....	67.24	66.99	58.19	41.0	40.6	37.3	1.64	1.65	1.56
Telephone, telegraph, and related equipment.....	84.86	83.43	82.71	41.6	41.1	42.2	2.04	2.03	1.96

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>ELECTRICAL MACHINERY-Continued</b>									
Miscellaneous electrical products.....	\$70.58	\$69.48	\$68.00	40.1	39.7	40.0	\$1.76	\$1.75	\$1.70
Storage batteries.....	81.19	78.60	76.95	40.8	39.9	40.5	1.99	1.97	1.90
Primary batteries (dry and wet).....	58.20	58.35	60.19	38.8	38.9	39.6	1.50	1.50	1.52
X-ray and non-radio electronic tubes...	78.98	79.00	73.63	40.5	40.1	39.8	1.95	1.97	1.85
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>90.69</b>	<b>87.26</b>	<b>84.84</b>	<b>41.6</b>	<b>40.4</b>	<b>40.4</b>	<b>2.18</b>	<b>2.16</b>	<b>2.10</b>
Automobiles.....	94.98	90.54	87.02	42.4	40.6	40.1	2.24	2.23	2.17
Motor vehicles, bodies, parts, and accessories.....	95.82	91.35	87.82	42.4	40.6	40.1	2.26	2.25	2.19
Truck and bus bodies.....	76.22	75.83	74.70	39.7	39.7	40.6	1.92	1.91	1.84
Trailers (truck and automobile).....	80.93	79.49	75.95	41.5	41.4	40.4	1.95	1.92	1.88
Aircraft and parts.....	87.77	85.47	84.03	41.4	40.7	41.6	2.12	2.10	2.02
Aircraft.....	88.40	85.47	82.61	41.7	40.7	41.1	2.12	2.10	2.01
Aircraft engines and parts.....	84.63	84.63	86.93	40.3	40.3	42.2	2.10	2.10	2.06
Aircraft propellers and parts.....	84.21	83.37	85.28	40.1	39.7	41.4	2.10	2.10	2.06
Other aircraft parts and equipment.....	88.61	87.34	85.45	41.6	41.2	42.3	2.13	2.12	2.02
Ship and boat building and repairing....	80.88	80.85	78.62	38.7	38.5	37.8	2.09	2.10	2.08
Ship building and repairing.....	83.16	82.51	80.30	38.5	38.2	37.7	2.16	2.16	2.13
Boat building and repairing.....	69.92	71.82	69.66	39.5	39.9	38.7	1.77	1.80	1.80
Railroad equipment.....	87.20	82.51	80.11	40.0	38.2	38.7	2.18	2.16	2.07
Locomotives and parts.....	86.40	83.71	81.54	40.0	39.3	39.2	2.16	2.13	2.08
Railroad and street cars.....	87.60	81.38	79.49	40.0	37.5	38.4	2.19	2.17	2.07
Other transportation equipment.....	70.86	71.23	70.86	38.3	38.5	38.3	1.85	1.85	1.85
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	<b>74.56</b>	<b>74.19</b>	<b>74.75</b>	<b>40.3</b>	<b>40.1</b>	<b>41.3</b>	<b>1.85</b>	<b>1.85</b>	<b>1.81</b>
Laboratory, scientific, and engineering instruments.....	86.30	84.63	89.25	40.9	40.3	42.3	2.11	2.10	2.11
Mechanical measuring and controlling instruments.....	75.39	75.39	75.26	40.1	40.1	40.9	1.88	1.88	1.84
Optical instruments and lenses.....	78.69	76.78	76.45	41.2	40.2	41.1	1.91	1.91	1.86
Surgical, medical, and dental instruments.....	66.63	65.46	65.85	39.9	39.2	40.4	1.67	1.67	1.63
Ophthalmic goods.....	59.70	59.04	60.24	39.8	39.1	40.7	1.50	1.51	1.48
Photographic apparatus.....	81.60	81.20	80.83	40.8	40.6	42.1	2.00	2.00	1.92
Watches and clocks.....	65.74	67.06	67.24	39.6	40.4	41.0	1.66	1.66	1.64
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>	<b>65.04</b>	<b>65.21</b>	<b>65.12</b>	<b>40.4</b>	<b>40.5</b>	<b>40.7</b>	<b>1.61</b>	<b>1.61</b>	<b>1.60</b>
Jewelry, silverware, and plated ware....	71.98	71.71	72.31	43.1	43.2	43.3	1.67	1.66	1.67
Jewelry and findings.....	68.53	68.89	68.05	43.1	43.6	42.8	1.59	1.58	1.59
Silverware and plated ware.....	79.06	77.65	80.00	43.2	42.2	44.2	1.83	1.84	1.81
Musical instruments and parts.....	77.28	77.65	73.51	42.0	42.2	41.3	1.84	1.84	1.78
Toys and sporting goods.....	58.50	59.40	62.93	39.0	39.6	40.6	1.50	1.50	1.55
Games, toys, dolls, and children's vehicles.....	57.96	59.45	64.84	38.9	39.9	41.3	1.49	1.49	1.57
Sporting and athletic goods.....	59.04	59.58	59.65	39.1	39.2	39.5	1.51	1.52	1.51
Pens, pencils, and other office supplies.....	63.76	62.58	60.79	41.4	40.9	40.8	1.54	1.53	1.49
Costume jewelry, buttons, notions.....	57.67	57.77	57.57	39.5	39.3	38.9	1.46	1.47	1.48
Fabricated plastics products.....	70.38	69.53	67.73	41.4	40.9	41.3	1.70	1.70	1.64
Other manufacturing industries.....	66.23	66.57	65.53	39.9	40.1	40.2	1.66	1.66	1.63

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		
	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953	Nov. 1954	Oct. 1954	Nov. 1953
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>									
<b>TRANSPORTATION:</b>									
Class I railroads.....	(1/)	\$78.38	\$76.04	(1/)	40.4	39.4	(1/)	\$1.94	\$1.93
Local railways and bus lines.....	\$77.59	78.32	77.18	42.4	42.8	44.1	\$1.83	1.83	1.75
<b>COMMUNICATION:</b>									
Telephone.....	72.65	72.04	67.90	39.7	39.8	38.8	1.83	1.81	1.75
Switchboard operating employees 2/...	60.86	60.04	57.88	37.8	38.0	37.1	1.61	1.58	1.56
Line construction, installation, and maintenance employees 3/.....	104.55	104.13	95.87	44.3	44.5	42.8	2.36	2.34	2.24
Telegraph 4/.....	76.78	78.31	73.34	41.5	42.1	41.2	1.85	1.86	1.78
<b>OTHER PUBLIC UTILITIES:</b>									
Gas and electric utilities.....	85.08	86.94	82.98	41.3	42.0	41.7	2.06	2.07	1.99
<b>WHOLESALE AND RETAIL TRADE:</b>									
<b>WHOLESALE TRADE.....</b>									
74.93	74.93	72.50	40.5	40.5	40.5	1.85	1.85	1.79	
<b>RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....</b>									
56.65	57.18	55.10	38.8	38.9	38.8	1.46	1.47	1.42	
General merchandise stores.....	41.06	40.48	38.64	34.8	34.9	34.5	1.18	1.16	1.12
Department stores and general mail-order houses.....	47.52	46.41	44.60	36.0	35.7	35.4	1.32	1.30	1.26
Food and liquor stores.....	61.34	60.80	59.75	38.1	38.0	38.3	1.61	1.60	1.56
Automotive and accessories dealers.....	74.42	75.14	74.32	44.3	44.2	44.5	1.68	1.70	1.67
Apparel and accessories stores.....	46.68	46.95	45.63	35.1	35.3	35.1	1.33	1.33	1.30
<b>Other retail trade:</b>									
Furniture and appliance stores.....	64.57	64.99	62.97	42.2	42.2	41.7	1.53	1.54	1.51
Lumber and hardware supply stores.....	68.57	68.85	66.22	43.4	43.3	43.0	1.58	1.59	1.54
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>									
Banks and trust companies.....	57.88	58.02	55.33	-	-	-	-	-	-
Security dealers and exchanges.....	99.18	97.24	81.73	-	-	-	-	-	-
Insurance carriers.....	70.62	70.90	68.54	-	-	-	-	-	-
<b>SERVICE AND MISCELLANEOUS:</b>									
<b>Hotels and lodging places:</b>									
Hotels, year-round 5/.....	41.26	40.87	39.67	42.1	41.7	42.2	.98	.98	.94
<b>Personal services:</b>									
Laundries.....	40.00	40.50	40.00	40.0	40.5	40.0	1.00	1.00	1.00
Cleaning and dyeing plants.....	46.73	47.72	45.98	39.6	40.1	39.3	1.18	1.19	1.17
<b>Motion pictures:</b>									
Motion-picture production and distribution.....	95.87	102.28	92.38	-	-	-	-	-	-

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:						
1939...	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	1953						
1940...	25.20	42.07	24.71	41.25	17.93	29.93	Oct....	\$72.14	\$62.51	\$89.78	\$77.80	\$39.70	\$34.40
1941...	29.58	47.03	30.86	49.06	18.69	29.71	Nov....	71.60	62.26	81.17	70.58	40.00	34.78
							Dec....	72.36	62.98	82.25	71.58	40.60	35.34
1942...	36.65	52.58	35.02	50.24	20.34	29.18							
1943...	43.14	58.30	41.62	56.24	23.08	31.19	1954						
1944...	46.08	61.28	51.27	68.18	25.95	34.51	Jan....	70.92	61.56	82.34	71.48	39.70	34.46
							Feb....	71.28	61.98	79.04	68.73	39.80	34.61
1945...	44.39	57.72	52.05	67.95	27.73	36.06	Mar....	70.71	61.59	73.06	63.64	39.60	34.49
1946...	43.82	52.54	58.03	69.58	30.20	36.21	Apr....	70.20	61.26	71.67	62.54	40.80	35.60
1947...	49.97	52.32	66.59	69.73	32.71	34.25	May....	71.13	61.85	76.32	66.37	40.30	35.04
							June...	71.68	62.28	83.00	72.11	40.50	35.19
1948...	54.14	52.67	72.12	70.16	34.23	33.30							
1949...	54.92	53.95	63.28	62.16	34.98	34.36	July...	70.92	61.56	75.39	65.44	40.00	34.72
1950...	59.33	57.71	70.35	68.43	35.47	34.50	Aug....	71.06	61.79	82.09	71.38	39.40	34.26
							Sept....	71.86	62.65	81.17	70.77	40.50	35.31
1951...	64.71	58.30	77.79	70.08	37.81	34.06	Oct....	72.22	63.07	87.54	76.45	40.50	35.37
1952...	67.97	59.89	78.09	68.80	38.63	34.04	Nov....	73.57	64.20	87.79	76.61	40.00	34.90
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:						
1939....	\$23.86	45.1	\$23.58	\$39.70	\$23.62	\$39.76	1953						
1940....	25.20	47.6	24.69	41.22	24.95	41.65	Oct....	\$72.14	136.2	\$58.89	\$51.03	\$66.94	\$58.01
1941....	29.58	55.9	28.05	44.59	29.28	46.55	Nov....	71.60	135.2	58.47	50.84	66.50	57.83
							Dec....	72.36	136.7	59.06	51.40	67.11	58.41
1942....	36.65	69.2	31.77	45.58	36.28	52.05							
1943....	43.14	81.5	36.01	48.66	41.39	55.93	1954						
1944....	46.08	87.0	38.29	50.92	44.06	58.89	Jan....	70.92	133.9	58.80	51.04	66.00	57.29
							Feb....	71.28	134.6	59.09	51.38	66.30	57.65
1945....	44.39	83.8	36.97	48.08	42.74	55.58	Mar....	70.71	133.5	58.63	51.07	65.83	57.34
1946....	43.82	82.8	37.72	45.23	43.20	51.80	Apr....	70.20	132.6	58.22	50.80	65.41	57.08
1947....	49.97	94.4	42.76	44.77	48.24	50.51	May....	71.13	134.3	58.97	51.28	66.18	57.55
							June...	71.68	135.4	59.41	51.62	66.63	57.89
1948....	54.14	102.2	47.43	46.14	53.17	51.72							
1949....	54.92	103.7	48.09	47.24	53.83	52.88	July...	70.92	133.9	58.80	51.04	66.00	57.29
1950....	59.33	112.0	51.09	49.70	57.21	55.65	Aug....	71.06	134.2	58.91	51.23	66.12	57.50
							Sept....	71.86	135.7	59.55	51.92	66.78	58.22
1951....	64.71	122.2	54.04	48.68	61.28	55.21	Oct....	72.22	136.4	59.84	52.26	67.07	58.58
1952....	67.97	128.4	55.66	49.04	63.62	56.05	Nov....	73.57	138.9	60.92	53.16	68.18	59.49
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/.963</u>	<u>1/74.8</u>	1.111	<u>1/1.042</u>	.904	<u>1/.858</u>
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: 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	1.65	1.60
Sept....	1.81	1.76	136.6	1.93	1.87	1.66	1.61
Oct.....	1.81	1.76	136.6	1.93	1.87	1.66	1.61
Nov.....	1.83	1.77	137.4	1.94	1.88	1.67	1.62

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>**

(1947-48 = 100)

(1947-48 = 100)							Manufacturing - Durable goods	
Period	TOTAL 2/	Mining division	Contract construction division	Manufacturing division	Total: Durable goods	Total: Nondurable goods	Ordinance and accessories	Lumber and wood products (except furniture)
Annual average:								
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
Monthly data:								
1953: 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	135.4	100.1	103.5	96.1	489.9	83.2
Sept.....	103.1	71.3	129.4	101.4	104.7	97.6	494.7	92.3
Oct.....	103.8	73.0	129.3	102.2	107.3	96.1	490.5	97.7
Nov.....	104.5	73.5	125.3	103.6	110.1	95.8	480.8	97.5
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	
Annual average:								
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	
Monthly data:								
1953: 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.....	96.6	99.9	91.6	105.5	94.9	121.5	124.2	
Sept.....	99.7	100.7	91.5	106.0	95.3	125.5	118.3	
Oct.....	101.7	102.2	92.7	108.0	94.8	128.7	125.6	
Nov.....	101.4	102.4	95.7	109.9	95.3	132.1	137.5	

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: 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.....	106.6	97.8	101.0	97.4	79.6	101.0
Sept.....	109.8	101.6	103.9	107.9	80.2	100.6
Oct.....	110.0	104.6	95.8	111.0	81.6	99.6
Nov.....	110.4	103.7	91.6	94.1	83.4	100.9
<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: 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.....	109.0	104.5	99.9	97.5	87.0	92.9
Sept.....	110.2	106.7	102.3	96.7	98.2	88.1
Oct.....	110.4	106.5	103.1	94.0	103.6	86.6
Nov.....	110.9	106.6	103.3	94.3	106.9	90.3

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

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



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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1954		1953	1954		1953	1954		1953
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
ALABAMA.....	\$58.25	\$57.02	\$55.38	39.9	39.6	39.0	\$1.46	\$1.44	\$1.42
Birmingham	72.25	71.68	70.27	39.7	39.6	39.7	1.82	1.81	1.77
Mobile	68.51	67.37	61.85	40.3	40.1	38.9	1.70	1.68	1.59
ARIZONA.....	81.36	82.78	79.61	41.3	41.6	41.9	1.97	1.99	1.90
Phoenix	81.59	82.81	75.81	41.0	41.2	39.9	1.99	2.01	1.90
ARKANSAS.....	51.28	52.20	49.94	40.7	41.1	40.6	1.26	1.27	1.23
Little Rock-									
N. Little Rock	49.82	50.55	48.85	40.5	41.1	41.4	1.23	1.23	1.18
CALIFORNIA.....	82.09	81.98	79.18	40.0	40.2	39.7	2.05	2.04	1.99
Fresno	67.65	71.33	63.83	36.5	38.8	35.5	1.85	1.84	1.80
Los Angeles	82.50	81.51	79.47	40.6	40.3	40.4	2.03	2.02	1.97
Sacramento	77.51	81.11	76.64	37.7	40.4	38.4	2.06	2.01	2.00
San Bernardino-									
Riverside-Ontario	80.68	80.47	76.76	40.6	40.4	40.1	1.99	1.99	1.92
San Diego	83.25	81.37	77.45	40.2	39.5	39.7	2.07	2.06	1.95
San Francisco-Oakland	83.46	83.85	81.10	38.8	39.4	38.7	2.15	2.13	2.09
San Jose	74.79	76.97	72.81	37.9	40.4	38.2	1.97	1.91	1.91
Stockton	74.70	76.38	74.27	38.1	40.3	38.2	1.96	1.89	1.94
COLORADO.....	75.76	70.23	72.80	41.4	38.8	41.6	1.83	1.81	1.75
Denver	73.57	74.15	72.34	40.2	40.3	41.1	1.83	1.84	1.76
CONNECTICUT.....	75.03	73.57	75.42	41.0	40.4	41.9	1.83	1.82	1.80
Bridgeport	77.30	75.79	77.00	40.9	40.1	41.4	1.89	1.89	1.86
Hartford	78.81	77.23	81.84	41.7	41.3	44.0	1.89	1.87	1.86
New Britain	71.42	69.60	75.05	39.9	39.1	42.4	1.79	1.78	1.77
New Haven	70.53	70.30	71.38	40.3	40.4	41.5	1.75	1.74	1.72
Stamford	82.42	82.81	82.93	40.8	41.2	42.1	2.02	2.01	1.97
Waterbury	76.36	74.44	73.28	41.5	40.9	41.4	1.84	1.82	1.77
DELAWARE.....	73.77	70.84	69.91	40.2	39.8	39.7	1.84	1.78	1.76
Wilmington	86.87	84.22	82.01	40.9	39.8	40.4	2.12	2.12	2.03
FLORIDA.....	57.27	56.30	56.84	41.8	40.8	42.6	1.37	1.38	1.33
Tampa-St. Petersburg	58.36	56.98	55.19	41.1	40.7	42.2	1.42	1.40	1.31
GEORGIA.....	52.65	50.93	49.64	40.5	40.1	39.4	1.30	1.27	1.26
Atlanta	65.37	63.04	62.16	40.6	39.9	40.1	1.61	1.58	1.55
Savannah	68.36	66.82	65.52	42.2	41.5	42.0	1.62	1.61	1.56
IDAHO.....	78.44	79.46	75.89	42.4	41.6	40.8	1.85	1.91	1.86
ILLINOIS.....	77.99	76.70	76.56	40.5	40.0	40.6	1.93	1.92	1.89
Chicago	(1/)	(1/)	79.96	(1/)	(1/)	40.8	(1/)	(1/)	1.96
INDIANA.....	78.86	77.54	76.45	40.3	40.1	39.8	1.96	1.93	1.92
IOWA.....	72.36	73.04	70.71	40.5	41.2	40.9	1.79	1.77	1.73
Des Moines	73.52	77.79	75.13	38.4	39.8	40.1	1.92	1.96	1.87
KANSAS.....	(1/)	80.35	75.48	(1/)	42.1	41.0	(1/)	1.91	1.84
Topeka	(1/)	78.72	70.49	(1/)	42.8	41.5	(1/)	1.84	1.70
Wichita	(1/)	83.00	77.52	(1/)	41.8	40.6	(1/)	1.99	1.91
KENTUCKY.....	(1/)	69.73	67.44	(1/)	41.4	40.6	(1/)	1.68	1.66
LOUISIANA.....	64.48	64.02	63.84	42.7	41.3	42.0	1.51	1.55	1.52
Baton Rouge	91.53	90.76	89.16	40.5	40.7	40.9	2.26	2.23	2.18
New Orleans	65.27	66.33	64.06	39.8	40.2	40.8	1.64	1.65	1.57

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
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
MAINE.....	\$57.44	\$56.20	\$54.61	39.7	39.1	38.6	\$1.45	\$1.44	\$1.42
Portland	60.45	60.48	58.50	39.5	40.0	40.2	1.53	1.51	1.45
MARYLAND.....	70.74	68.48	68.16	40.2	39.7	40.3	1.76	1.73	1.69
Baltimore	74.69	73.07	72.47	40.4	39.8	40.4	1.85	1.83	1.79
MASSACHUSETTS.....	65.96	65.13	65.30	39.5	39.0	39.1	1.67	1.67	1.67
Boston	68.82	68.29	67.34	39.1	38.8	38.7	1.76	1.76	1.74
Fall River	54.60	53.93	52.88	39.0	38.8	37.5	1.40	1.39	1.41
New Bedford	56.68	57.27	53.71	38.3	38.7	37.3	1.48	1.48	1.44
Springfield-Holyoke	71.73	70.80	69.25	40.3	40.0	39.8	1.78	1.77	1.74
Worcester	70.59	71.49	71.06	39.0	39.5	39.7	1.81	1.81	1.79
MICHIGAN.....	(1/)	90.06	86.59	(1/)	41.2	40.9	(1/)	2.19	2.12
Detroit	(1/)	95.21	91.32	(1/)	41.2	41.1	(1/)	2.31	2.22
Flint	(1/)	92.41	84.80	(1/)	41.0	38.6	(1/)	2.25	2.20
Grand Rapids	(1/)	84.50	81.20	(1/)	41.4	41.6	(1/)	2.04	1.95
Lansing	(1/)	87.90	91.64	(1/)	39.9	42.0	(1/)	2.20	2.18
Muskegon	(1/)	83.30	81.97	(1/)	39.8	39.2	(1/)	2.09	2.09
Saginaw	(1/)	88.70	78.79	(1/)	42.3	40.3	(1/)	2.10	1.96
MINNESOTA.....	77.61	75.36	74.10	41.4	40.7	41.0	1.88	1.85	1.81
Duluth	77.76	75.97	69.28	38.8	38.2	38.2	2.01	1.99	1.81
Minneapolis	75.57	75.73	74.00	40.6	40.6	41.1	1.86	1.86	1.80
St. Paul	80.18	77.96	75.38	40.4	39.6	39.5	1.98	1.97	1.91
MISSISSIPPI.....	48.38	48.38	45.20	41.0	41.0	39.3	1.18	1.18	1.15
Jackson	53.55	52.50	49.92	42.5	42.0	41.6	1.26	1.25	1.20
MISSOURI.....	69.01	67.75	67.08	39.3	39.1	38.8	1.76	1.74	1.73
Kansas City	(1/)	76.32	75.72	(1/)	40.2	40.3	(1/)	1.90	1.88
St. Louis	(1/)	74.38	71.13	(1/)	39.5	38.8	(1/)	1.88	1.83
MONTANA.....	81.63	82.25	80.05	40.4	41.0	41.2	2.02	1.99	1.93
NEBRASKA.....	(1/)	68.68	70.45	(1/)	42.4	43.1	(1/)	1.62	1.64
NEVADA.....	86.62	86.76	89.38	40.1	39.8	41.0	2.16	2.18	2.18
NEW HAMPSHIRE.....	58.69	57.13	56.63	40.2	39.4	39.6	1.46	1.45	1.43
Manchester	54.38	52.62	53.48	37.5	36.8	37.4	1.45	1.43	1.43
NEW JERSEY.....	75.86	74.70	74.07	40.2	39.8	40.3	1.89	1.88	1.84
Newark-Jersey City	76.18	76.24	76.69	39.8	40.0	40.9	1.91	1.91	1.88
Paterson	76.65	75.85	74.87	41.1	40.8	40.6	1.86	1.86	1.84
Perth Amboy	76.62	75.74	75.13	40.2	39.8	40.5	1.91	1.90	1.85
Trenton	73.19	73.85	70.73	39.8	40.2	39.6	1.84	1.84	1.79
NEW MEXICO.....	82.01	81.36	73.97	40.8	41.3	40.2	2.01	1.97	1.84
Albuquerque	74.96	76.67	69.24	40.3	41.0	38.9	1.86	1.87	1.78
NEW YORK.....	73.12	72.06	71.50	39.4	39.0	39.5	1.86	1.85	1.81
Albany-Schenectady-Troy	78.78	77.39	76.34	40.4	40.0	39.6	1.95	1.94	1.93
Binghamton	66.97	65.86	66.65	38.2	37.5	38.7	1.75	1.76	1.72
Buffalo	87.62	84.26	83.50	41.3	40.5	41.3	2.12	2.08	2.02
Elmira	74.87	75.38	73.39	40.5	40.8	40.8	1.85	1.85	1.80
Nassau and Suffolk Counties	86.27	86.83	81.00	41.8	42.0	41.2	2.07	2.07	1.96
New York City	69.73	68.96	68.09	38.0	37.5	37.9	1.83	1.84	1.79
Rochester	77.62	76.84	76.70	40.3	40.0	41.3	1.93	1.92	1.86
Syracuse	75.94	77.01	77.91	40.6	40.9	42.0	1.87	1.89	1.85
Utica-Rome	71.10	70.27	70.04	40.3	40.0	40.4	1.76	1.76	1.73
Westchester County	75.45	70.64	67.68	40.7	39.3	38.9	1.85	1.80	1.74

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
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
NORTH CAROLINA.....	\$50.40	\$49.75	\$47.99	40.0	39.8	38.7	\$1.26	\$1.25	\$1.24
Charlotte	54.52	53.84	52.39	41.3	41.1	40.3	1.32	1.31	1.30
Greensboro-High Point	50.44	50.44	(1/)	38.8	38.8	(1/)	1.30	1.30	(1/)
NORTH DAKOTA.....	69.01	70.88	68.03	44.3	45.2	43.9	1.56	1.57	1.55
Fargo	72.22	73.18	67.68	41.6	42.4	42.0	1.74	1.73	1.61
OHIO.....	81.08	80.54	79.07	40.2	40.1	40.2	2.02	2.01	1.97
Cincinnati	77.48	77.07	74.78	41.1	41.0	41.2	1.89	1.88	1.82
Cleveland	83.97	82.65	83.82	40.5	40.0	40.9	2.07	2.07	2.05
OKLAHOMA.....	72.38	71.69	71.06	41.6	41.2	41.8	1.74	1.74	1.70
Oklahoma City	69.01	68.53	71.77	42.6	42.3	44.3	1.62	1.62	1.62
Tulsa	78.31	77.71	74.80	41.0	40.9	40.0	1.91	1.90	1.87
OREGON.....	83.66	85.42	81.46	38.2	39.2	38.3	2.19	2.18	2.12
Portland	77.75	78.66	75.95	38.0	38.9	37.6	2.05	2.02	2.02
PENNSYLVANIA.....	71.50	70.55	71.72	38.9	38.5	39.3	1.84	1.83	1.83
Allentown-Bethlehem-									
Easton	65.93	65.20	68.18	37.5	37.3	38.5	1.76	1.75	1.77
Erie	75.08	75.77	73.72	40.0	41.0	40.0	1.88	1.85	1.84
Harrisburg	59.03	58.15	63.56	36.8	36.3	38.9	1.60	1.60	1.63
Lancaster	64.71	64.07	61.15	40.7	40.6	40.1	1.59	1.58	1.53
Philadelphia	76.17	75.33	74.35	39.9	39.5	40.1	1.91	1.91	1.85
Pittsburgh	82.23	80.47	81.18	38.9	38.3	39.6	2.11	2.10	2.05
Reading	64.89	62.23	64.70	38.9	37.4	39.0	1.67	1.66	1.66
Scranton	54.70	54.61	55.04	38.2	38.0	38.6	1.43	1.44	1.43
Wilkes-Barre-Hazleton	51.51	50.01	51.34	37.6	36.4	37.2	1.37	1.37	1.38
York	62.12	62.30	63.13	40.0	40.3	40.7	1.55	1.55	1.55
RHODE ISLAND.....	60.51	60.40	58.72	38.9	38.9	37.9	1.56	1.55	1.55
Providence	61.05	61.35	59.04	39.9	40.1	39.1	1.53	1.53	1.51
SOUTH CAROLINA.....	51.44	50.93	49.35	40.5	40.1	39.8	1.27	1.27	1.24
Charleston	53.70	52.88	50.44	39.2	38.6	38.8	1.37	1.37	1.30
SOUTH DAKOTA.....	75.00	74.56	67.69	47.4	48.0	46.5	1.58	1.55	1.46
Sioux Falls	83.30	83.95	78.83	50.1	51.3	50.2	1.66	1.64	1.57
TENNESSEE.....	57.42	58.18	57.74	39.6	40.4	40.1	1.45	1.44	1.44
Chattanooga	59.45	59.90	58.95	39.9	40.2	40.1	1.49	1.49	1.47
Knoxville	69.65	67.94	67.20	39.8	39.5	40.0	1.75	1.72	1.68
Memphis	56.77	66.53	64.83	38.1	43.2	42.1	1.49	1.54	1.54
Nashville	61.20	59.79	59.85	40.8	40.4	39.9	1.50	1.48	1.50
TEXAS.....	72.21	72.04	71.40	41.5	41.4	42.0	1.74	1.74	1.70
UTAH.....	76.22	69.69	74.30	41.2	38.5	40.6	1.85	1.81	1.83
Salt Lake City	74.62	72.54	76.62	41.0	40.3	42.1	1.82	1.80	1.82
VERMONT.....	58.66	59.44	61.06	40.3	40.9	41.5	1.46	1.46	1.47
Burlington	60.17	59.98	57.70	40.2	39.9	38.2	1.50	1.50	1.51
Springfield	69.09	67.48	79.38	39.6	39.5	44.1	1.75	1.71	1.80
VIRGINIA.....	57.25	56.42	55.55	40.6	40.3	39.4	1.41	1.40	1.41
Norfolk-Portsmouth	61.05	61.24	61.51	39.9	41.1	40.2	1.53	1.49	1.53
Richmond	59.98	60.25	61.00	39.2	39.9	40.4	1.53	1.51	1.51
WASHINGTON.....	82.22	82.41	77.75	38.7	39.5	37.9	2.13	2.09	2.05
Seattle	79.25	79.48	77.00	37.9	38.6	38.2	2.09	2.06	2.01
Spokane	83.85	82.63	77.24	40.0	39.8	39.4	2.10	2.08	1.96
Tacoma	79.26	81.42	75.58	37.8	40.1	37.3	2.10	2.03	2.02

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
	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.	Nov.	Oct.	Nov.
WEST VIRGINIA.....	\$72.25	\$71.13	\$72.25	39.7	39.3	39.7	\$1.82	\$1.81	\$1.82
Charleston	88.09	87.86	86.65	39.5	39.4	40.3	2.23	2.23	2.15
WISCONSIN.....	76.57	75.13	74.97	41.1	40.8	41.4	1.86	1.84	1.81
Kenosha	80.58	80.58	76.13	39.9	40.2	38.6	2.02	2.01	1.97
La Crosse	77.15	76.11	73.56	40.2	40.1	39.5	1.92	1.90	1.86
Madison	83.84	80.36	86.22	41.6	40.6	43.1	2.01	1.98	2.00
Milwaukee	82.08	81.26	81.54	40.2	39.9	40.9	2.04	2.04	1.99
Racine	79.85	79.74	77.50	40.0	40.2	40.2	2.00	1.98	1.93
WYOMING.....	84.62	81.20	82.59	42.1	40.2	41.5	2.01	2.02	1.99
Casper	88.64	95.18	96.29	37.4	40.5	40.8	2.37	2.35	2.36

1/ Not available.

# 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 collection 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 1/

Division or industry	Number of establish- ments 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 rail- roads (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

1/ 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:

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

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 (IOC 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> (in dollars)	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> (in dollars)	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> (in dollars)	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> (in dollars)	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, line-men, 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.