



Employment and Earnings

SEPTEMBER 1954

VOL. 1 NO. 3

Seasonally-adjusted

indexes of employment.....

Two new tables showing seasonally-adjusted indexes of current employment have been added to the Employment Trends section. Indexes are shown for total employment in each industry division as well as for the production workers in manufacturing, by major industry group. See story on page ii.

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Announcing ...

SEASONALLY-ADJUSTED

INDEXES OF EMPLOYMENT

Beginning with this issue of Employment and Earnings, monthly indexes of employment estimates adjusted for seasonal variation will be published on a current basis in two tables which have been added to the Employment Trends section. Table 4 presents indexes of seasonally-adjusted employment in nonagricultural establishments by industry division and table 5 presents indexes of seasonally-adjusted production-worker employment in manufacturing by major industry group. The base period for the indexes is the average monthly employment for 1947-49. Historical indexes from January 1947 for the industry detail shown in these tables will be available on request in the near future.

The inclusion of these tables now makes conveniently available to users of the comprehensive statistics in the report, this important analytical tool for appraising month-to-month changes in employment. Many employment series reflect a regularly recurring seasonal movement which can be measured on the basis of past experience. By eliminating that part of the monthly change in employment which can be ascribed to usual seasonal variation, it is possible to clarify the cyclical and other nonseasonal movements in the series. Thus, the seasonally-adjusted indexes provide a measurement of the monthly movement arising from factors

other than seasonal change. At the same time, the indexes associate the current seasonally-adjusted employment level with average employment in the base period.

Employment estimates adjusted for seasonal variation have been computed and published for many years by the Board of Governors of the Federal Reserve System based on employment data of the Bureau of Labor Statistics. The Federal Reserve Board was a pioneer in the development of seasonally-adjusted economic time series, and through the years has been a leading exponent of their utility.

In October, the Bureau of Labor Statistics will assume the function of computing the seasonally-adjusted estimates and the indexes based upon the adjusted data. Beginning with the October issue of Employment and Earnings the data in tables 4 and 5 will be indexes of BLS seasonally-adjusted estimates of employment. Indexes in this issue are derived from Federal Reserve Board estimates. Seasonally-adjusted aggregates will continue to be published in the Federal Reserve Bulletin.

BLS has adopted the policy of the Board of Governors for continuing scrutiny of monthly adjustment factors, modifications being introduced as needed. For the immediate future BLS will use the factors which have been developed by the Board and were in use in September 1954.



Employment Trends

NONFARM EMPLOYMENT UP SLIGHTLY IN AUGUST

The number of nonfarm jobs increased by about 180,000 between July and August 1954, according to employers' reports to the U. S. Department of Labor's Bureau of Labor Statistics. Seasonal increases in nondurable goods manufacturing and construction were largely responsible for the over-the-month employment gain. Employment usually rises between these two months as manufacturing establishments reopen after vacation shutdowns. This year the rise in manufacturing was quite general, with only the automobile industry showing a sharp decline. The overall increase in manufacturing, as in total nonagricultural employment, was slightly less than seasonal.

Nonfarm wage and salary employment, at 48.0 million in August, was about 2 million lower than a year earlier but higher than in any other postwar year, with the exception of 1952.

A seasonal increase of about a third of an hour in the factory workweek brought weekly earnings in manufacturing up to \$71.06.

NONDURABLE GOODS MANUFACTURING EMPLOYMENT SHOWS SEASONAL GAINS

Factory employment at 15.9 million in August 1954 was about 240,000 higher than in July. Most of the increase occurred in nondurable manufacturing in line with seasonal expectations. Within nondurable goods manufacturing, more than seasonal gains were recorded in textile mills, which added 27,000 workers to their payrolls, and in apparel plants, where 78,000 workers were added. The pickup in textiles marks a continuation of the improvement in the employment situation in this industry which has been noted since early spring. The upturn in apparel this month contrasts with the downtrend of the past year.

With the exception of printing and petroleum--both of which reported virtually no change in employment--all other nondurable industry groups reported some employment pickup over the month. The largest gain--75,000--was in food, largely as a result of an expansion of payrolls in canning establishments.

Durable goods plants reported an increase of about 26,000 to their payrolls between July and August 1954. In most industries the over-the-month employment change fell short by a small margin of meeting seasonal expectations. However, only the

the transportation equipment industry reported a sizable employment loss--33,000 workers. This was almost entirely a result of reductions in the automobile industry.

On the other hand, the electrical machinery group reported an increase of 32,000 workers, well above its usual rise at this time of year. Almost all of the improvement in this industry group was in plants which produce radios, televisions, and military electronics equipment and components.

The furniture industry, which reported an employment increase of about 9,000 workers, continued to follow the moderate uptrend of the past few months, while the 11,000 decline in machinery employment was less than the drop usual for this time of year.

NONMANUFACTURING EMPLOYMENT TOTAL FALLS OFF SLIGHTLY

Nonmanufacturing establishments reduced employment somewhat between July and August 1954. The over-the-month reduction this year was larger than in most postwar years, as employment in retail and wholesale trade establishments fell more than usual and both transportation and mining also declined although an increase is usual in August.

The construction industry added 40,000 workers to its rolls over the month, continuing at the high levels which have characterized the industry thus far in 1954.

Wholesale and retail trade employed 10.3 million workers in August, the highest level recorded for the month with the exception of 1953.

Employment in service and finance, at 5.6 and 2.1 million, respectively, were virtually unchanged from July and continued at record levels.

Employment in the Federal government, at 2.2 million was the lowest for the month in the past four years. However, State and local government employment, at 4.3 million in August, was an all-time peak for the month.

FACTORY WORKWEEK RISES SEASONALLY IN AUGUST

The average workweek in manufacturing plants increased nearly one-third of an hour, to 39.7 hours in August 1954, about the same as usually occurs at this time of year.

Most industry groups reported longer workweeks. Hours of work rose especially sharply in fabricated metals, electrical machinery, textiles, apparel, and printing. Significant decreases were recorded in only two industry groups--food and tobacco--where the addition of more than usual numbers of part-time workers for the late summer processing season lowered the average workweek.

With the exception of lumber, chemicals, and petroleum, every manufacturing industry group showed some over-the-year reduction in hours of work. The workweek in the lumber industry was three-fifths of an hour higher than a year earlier while hours of work in chemical and petroleum plants were unchanged from year ago levels.

WEEKLY EARNINGS RISE IN AUGUST

Average hourly earnings of factory workers,

including overtime and other premium pay, were \$1.79 in August, about the same as in July and 2 cents higher than a year earlier. However, average hourly earnings in nondurable goods plants dropped 2 cents, primarily as the result of the addition of large numbers of low-wage part-time workers in the food and tobacco industries.

Average weekly earnings of manufacturing workers rose 14 cents over the month to \$71.06 in August, as a result of a longer workweek. At this level, weekly earnings were 63 cents less than a year earlier. Over the month, average weekly earnings in durable goods plants rose 76 cents. On the other hand, weekly earnings in nondurable goods dropped by 45 cents to \$64.29 as a result of decreased hourly earnings and weekly hours in food and tobacco.

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

(In thousands)

Industry division and group	Current			Year ago	August 1954 net change from:	
	August 1954 1/	July 1954 1/	June 1954	August 1953	Previous month	Year ago
TOTAL	48,007	47,824	48,137	49,962	+ 183	-1,955
MINING	733	735	744	844	- 2	- 111
Metal mining.....	100.0	100.3	99.6	105.2	- .3	- 5.2
Bituminous-coal.....	207.1	202.0	214.2	276.4	+ 5.1	- 69.3
Nonmetallic mining and quarrying.....	104.5	105.0	104.1	108.7	- .5	- 4.2
CONTRACT CONSTRUCTION	2,834	2,794	2,729	2,825	+ 40	+ 9
MANUFACTURING	15,881	15,638	15,888	17,537	+ 243	-1,656
DURABLE GOODS	8,899	8,873	9,123	10,192	+ 26	-1,293
Ordnance and accessories.....	163.8	167.0	170.0	252.1	- 3.2	- 88.3
Lumber and wood products (except furniture).....	673.2	663.3	769.4	802.5	+ 9.9	- 129.3
Furniture and fixtures.....	337.2	328.3	329.0	370.3	+ 8.9	- 33.1
Stone, clay, and glass products.....	510.8	506.5	510.0	549.6	+ 4.3	- 38.8
Primary metal industries.....	1,159.5	1,163.0	1,179.5	1,342.4	- 3.5	- 182.9
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,023.9	1,014.3	1,037.6	1,154.0	+ 9.6	- 130.1
Machinery (except electrical).....	1,502.1	1,513.3	1,550.7	1,676.4	- 11.2	- 174.3
Electrical machinery.....	1,100.6	1,069.0	1,074.8	1,233.9	+ 31.6	- 133.3
Transportation equipment.....	1,669.9	1,702.7	1,737.9	1,969.0	- 32.8	- 299.1
Instruments and related products.....	297.3	299.6	305.4	332.8	- 2.3	- 35.5
Miscellaneous manufacturing industries...	460.2	446.4	458.9	508.6	+ 13.8	- 48.4
NONDURABLE GOODS	6,982	6,765	6,765	7,345	+ 217	- 363
Food and kindred products.....	1,664.0	1,589.0	1,511.3	1,721.4	+ 75.0	- 57.4
Tobacco manufactures.....	111.6	91.2	90.4	113.3	+ 20.4	- 1.7
Textile-mill products.....	1,071.7	1,044.9	1,073.8	1,189.6	+ 26.8	- 117.9
Apparel and other finished textile products.....	1,175.8	1,098.2	1,110.4	1,249.7	+ 77.6	- 73.9
Paper and allied products.....	528.3	519.9	525.8	537.6	+ 8.4	- 9.3
Printing, publishing, and allied industries.....	799.5	800.3	804.5	789.6	- .8	+ 9.9
Chemicals and allied products.....	774.6	772.4	775.2	809.4	+ 2.2	- 34.8
Products of petroleum and coal.....	255.1	256.9	255.4	265.6	- 1.8	- 10.5
Rubber products.....	226.7	225.5	255.2	278.9	+ 1.2	- 52.2
Leather and leather products.....	374.3	366.4	363.2	389.9	+ 7.9	- 15.6
TRANSPORTATION AND PUBLIC UTILITIES	4,026	4,041	4,032	4,274	- 15	- 248
TRANSPORTATION.....	2,682	2,701	2,703	2,929	- 19	- 247
COMMUNICATION.....	749	747	741	754	+ 2	- 5
OTHER PUBLIC UTILITIES.....	595	593	588	591	+ 2	- 4
WHOLESALE AND RETAIL TRADE	10,312	10,379	10,414	10,392	- 67	- 80
WHOLESALE TRADE	2,766	2,779	2,757	2,770	- 13	- 4
RETAIL TRADE	7,546	7,600	7,657	7,622	- 54	- 76
General merchandise stores.....	1,262.8	1,290.0	1,325.1	1,339.6	- 27.2	- 76.8
Food and liquor stores.....	1,402.1	1,413.3	1,421.6	1,375.5	- 11.2	+ 26.6
Automotive and accessories dealers.....	811.4	812.1	811.7	825.2	- .7	- 13.8
Apparel and accessories stores.....	551.2	558.3	595.6	549.8	- 7.1	+ 1.4
Other retail trade.....	3,518.5	3,525.9	3,502.7	3,531.7	- 7.4	- 13.2
FINANCE, INSURANCE, AND REAL ESTATE	2,125	2,126	2,104	2,067	- 1	+ 58
SERVICE AND MISCELLANEOUS	5,638	5,643	5,601	5,601	- 5	+ 37
GOVERNMENT	6,458	6,468	6,625	6,422	- 10	+ 36
FEDERAL	2,160	2,162	2,164	2,258	- .2	- 98
STATE AND LOCAL	4,298	4,306	4,461	4,164	- 8	+ 134

1/ Preliminary.

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

(In thousands)

Major industry group	Current			Year ago	August 1954 net change from:	
	August 1954 1/	July 1954 1/	June 1954	August 1953	Previous month	Year ago
MANUFACTURING.....	12,478	12,233	12,480	14,070	✓245	-1,592
DURABLE GOODS.....	6,959	6,933	7,177	8,195	✓26	-1,236
Ordnance and accessories.....	115.0	117.9	120.3	194.4	- 2.9	- 79.4
Lumber and wood products (except furniture).....	605.5	595.6	700.7	731.1	✓ 9.9	- 125.6
Furniture and fixtures.....	282.5	274.2	274.5	315.1	✓ 8.3	- 32.6
Stone, clay, and glass products.....	429.2	424.1	427.2	465.6	✓ 5.1	- 36.4
Primary metal industries.....	967.2	971.2	983.0	1,138.4	- 4.0	- 171.2
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	819.8	809.6	831.1	942.1	✓10.2	- 122.3
Machinery (except electrical).....	1,103.0	1,113.2	1,150.6	1,267.5	- 10.2	- 164.5
Electrical machinery.....	796.2	771.1	775.8	932.2	✓25.1	- 136.0
Transportation equipment.....	1,256.9	1,284.5	1,324.1	1,546.9	- 27.6	- 290.0
Instruments and related products.....	206.9	208.9	214.8	239.8	- 2.0	- 32.9
Miscellaneous manufacturing industries...	376.3	362.2	375.0	421.9	✓14.1	- 45.6
NONDURABLE GOODS.....	5,519	5,300	5,303	5,875	✓219	- 356
Food and kindred products.....	1,231.3	1,148.2	1,078.7	1,289.4	✓83.1	- 58.1
Tobacco manufactures.....	102.6	82.7	82.4	105.2	✓19.9	- 2.6
Textile-mill products.....	978.5	952.6	980.9	1,092.8	✓25.9	- 114.3
Apparel and other finished textile products.....	1,051.2	976.9	987.0	1,120.7	✓74.3	- 69.5
Paper and allied products.....	435.9	429.5	435.6	447.0	✓ 6.4	- 11.1
Printing, publishing, and allied industries.....	512.3	513.7	518.5	509.6	- 1.4	✓ 2.7
Chemicals and allied products.....	516.7	513.7	517.2	549.8	✓ 3.0	- 33.1
Products of petroleum and coal.....	179.8	181.8	181.1	190.5	- 2.0	- 10.7
Rubber products.....	174.3	173.3	198.4	220.7	✓ 1.0	- 46.4
Leather and leather products.....	336.3	327.8	323.6	349.4	✓ 8.5	- 13.1

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
	August <u>1/</u>	July <u>1/</u>	August	August <u>1/</u>	July <u>1/</u>	August	August <u>1/</u>	July <u>1/</u>	August
MANUFACTURING.....	\$71.06	\$70.92	\$71.69	39.7	39.4	40.5	\$1.79	\$1.80	\$1.77
DURABLE GOODS.....	76.59	75.83	77.27	40.1	39.7	41.1	1.91	1.91	1.88
Ordnance and accessories.....	(2/)	79.40	78.12	(2/)	39.9	40.9	(2/)	1.99	1.91
Lumber and wood products (except furniture).....	65.41	63.34	66.91	41.4	40.6	40.8	1.58	1.56	1.64
Furniture and fixtures.....	63.59	62.02	62.99	40.5	39.5	40.9	1.57	1.57	1.54
Stone, clay, and glass products.....	72.39	71.51	71.10	40.9	40.4	41.1	1.77	1.77	1.73
Primary metal industries.....	81.24	81.24	85.28	38.5	38.5	41.0	2.11	2.11	2.08
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	77.33	76.00	76.59	40.7	40.0	41.4	1.90	1.90	1.85
Machinery (except electrical).....	81.41	80.60	82.12	40.3	40.1	41.9	2.02	2.01	1.96
Electrical machinery.....	72.44	71.16	71.63	39.8	39.1	40.7	1.82	1.82	1.76
Transportation equipment.....	84.80	84.38	85.70	40.0	39.8	41.2	2.12	2.12	2.08
Instruments and related products.....	73.60	72.65	73.16	40.0	39.7	41.1	1.84	1.83	1.78
Miscellaneous manufacturing industries.....	64.08	62.56	63.74	39.8	39.1	40.6	1.61	1.60	1.57
NONDURABLE GOODS.....	64.29	64.74	63.76	39.2	39.0	39.6	1.64	1.66	1.61
Food and kindred products.....	67.57	69.72	65.25	41.2	41.5	41.3	1.64	1.68	1.58
Tobacco manufactures.....	46.86	51.79	47.46	36.9	37.8	38.9	1.27	1.37	1.22
Textile-mill products.....	52.22	51.27	53.04	38.4	37.7	39.0	1.36	1.36	1.36
Apparel and other finished textile products.....	48.24	47.17	49.78	36.0	35.2	36.6	1.34	1.34	1.36
Paper and allied products.....	74.55	74.20	73.61	42.6	42.4	43.3	1.75	1.75	1.70
Printing, publishing, and allied industries.....	87.46	86.78	85.58	38.7	38.4	38.9	2.26	2.26	2.20
Chemicals and allied products.....	79.54	78.94	76.26	41.0	40.9	41.0	1.94	1.93	1.86
Products of petroleum and coal.....	93.30	94.12	92.06	41.1	41.1	41.1	2.27	2.29	2.24
Rubber products.....	76.04	77.03	77.21	39.4	39.5	39.8	1.93	1.95	1.94
Leather and leather products..	51.38	51.38	51.79	37.5	37.5	37.8	1.37	1.37	1.37

1/ Preliminary.

2/ Not available.

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

(1947-49=100)

Industry division	Current			Year ago
	August 1954 <u>1/</u>	July 1954 <u>1/</u>	June 1954	August 1953
TOTAL.....	109.6	109.8	110.1	114.1
Mining.....	76.6	78.3	78.1	88.2
Contract construction.....	124.7	125.2	124.7	124.3
Manufacturing.....	105.5	105.7	107.1	116.5
Transportation and public utilities.....	98.2	98.6	98.6	104.2
Wholesale and retail trade.....	111.2	111.7	111.4	112.1
Finance, insurance, and real estate...	123.5	123.5	122.8	120.0
Service and miscellaneous.....	113.1	113.2	112.4	112.4
Government.....	118.8	118.1	117.9	118.0

1/ Preliminary.

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

(1947-49=100)

Major industry group	Current			Year ago
	August 1954 <u>1/</u>	July 1954 <u>1/</u>	June 1954	August 1953
MANUFACTURING.....	99.9	100.2	101.8	112.7
DURABLE GOODS.....	104.8	105.4	107.6	123.5
Ordnance and accessories.....	507.3	520.6	529.4	855.9
Lumber and wood products (except furniture).....	79.0	79.1	92.7	95.3
Furniture and fixtures.....	97.2	96.5	96.2	108.4
Stone, clay, and glass products.....	98.2	98.9	97.7	106.7
Primary metal industries.....	94.4	95.3	95.5	111.1
Fabricated metal products (except ordnance, machinery, and trans- portation equipment).....	106.3	107.2	107.7	122.2
Machinery (except electrical).....	99.5	98.9	100.3	114.4
Electrical machinery.....	126.8	124.8	122.4	148.5
Transportation equipment.....	122.9	125.7	129.5	151.3
Instruments and related products.....	107.7	109.8	111.3	124.7
Miscellaneous manufacturing industries.	98.9	100.3	100.8	111.1
NONDURABLE GOODS.....	94.2	94.1	94.9	100.2
Food and kindred products.....	91.7	92.0	93.4	95.5
Tobacco manufactures.....	89.0	89.9	89.0	89.9
Textile-mill products.....	81.3	80.0	80.7	90.8
Apparel and other finished textile products.....	98.9	98.2	99.3	105.5
Paper and allied products.....	109.3	109.6	109.3	112.1
Printing, publishing, and allied industries.....	107.6	108.0	108.0	107.1
Chemicals and allied products.....	102.9	102.7	102.9	109.3
Products of petroleum and coal.....	94.6	96.8	96.8	100.5
Rubber products.....	86.4	87.4	97.7	109.5
Leather and leather products.....	90.7	92.1	90.1	94.0

1/ Preliminary.

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

(In thousands)

Year and month	TOTAL	Mining	Contract con- struction	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscel- laneous	Govern- ment
Annual average:									
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
Monthly data:									
1953: June	49,904	846	2,711	17,416	4,260	10,473	2,037	5,576	6,585
July	49,716	836	2,768	17,336	4,283	10,414	2,067	5,607	6,405
August	49,962	844	2,825	17,537	4,274	10,392	2,067	5,601	6,422
September	50,200	839	2,866	17,510	4,265	10,523	2,041	5,566	6,590
October	50,180	826	2,889	17,301	4,257	10,669	2,040	5,506	6,692
November	49,851	829	2,789	16,988	4,216	10,828	2,034	5,467	6,700
December	50,197	822	2,632	16,765	4,187	11,361	2,040	5,435	6,955
1954: January	48,147	805	2,349	16,434	4,069	10,421	2,033	5,377	6,659
February	47,880	790	2,356	16,322	4,039	10,310	2,044	5,380	6,639
March	47,848	772	2,415	16,234	3,992	10,305	2,057	5,406	6,667
April	48,068	749	2,535	16,000	4,008	10,496	2,075	5,506	6,699
May	47,935	737	2,634	15,836	4,008	10,375	2,081	5,563	6,701
June	48,137	744	2,729	15,888	4,032	10,414	2,104	5,601	6,625
July	47,824	735	2,794	15,638	4,041	10,379	2,126	5,643	6,468

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

(In thousands)

Industry division and group	1954			1953	
	July	June	May	July	June
TOTAL	47,824	48,137	47,935	49,716	49,904
MINING	735	744	737	836	846
Metal mining.....	100.3	99.6	98.8	105.9	106.6
Anthracite.....	25.2	26.5	29.3	48.6	53.6
Bituminous-coal.....	202.0	214.2	213.3	275.4	284.1
Crude-petroleum and natural-gas production....	302.3	299.9	292.2	298.4	294.7
Nonmetallic mining and quarrying.....	105.0	104.1	103.2	107.2	107.1
CONTRACT CONSTRUCTION	2,794	2,729	2,634	2,768	2,711
NONBUILDING CONSTRUCTION	600	582	550	570	553
Highway and street.....	281.2	270.7	243.6	258.0	246.0
Other nonbuilding construction.....	318.3	311.7	306.7	311.7	306.8
BUILDING CONSTRUCTION	2,194	2,147	2,084	2,198	2,158
General contractors.....	941.4	918.4	892.5	997.7	969.8
Special-trade contractors.....	1,253.0	1,228.4	1,191.7	1,200.0	1,188.1
Plumbing and heating.....	304.9	297.4	292.0	291.8	286.8
Painting and decorating.....	155.9	150.7	139.2	161.0	154.1
Electrical work.....	172.2	168.2	164.2	162.7	158.3
Other special-trade contractors.....	620.0	612.1	596.3	584.5	588.9
MANUFACTURING	15,638	15,888	15,836	17,336	17,416
DURABLE GOODS	8,873	9,123	9,152	10,190	10,301
Ordnance and accessories.....	167.0	170.0	175.6	258.3	253.2
Lumber and wood products (except furniture)....	663.3	769.4	747.1	796.3	811.1
Furniture and fixtures.....	328.3	329.0	330.6	369.7	371.6
Stone, clay, and glass products.....	506.5	510.0	509.5	541.9	550.7
Primary metal industries.....	1,163.0	1,179.5	1,172.4	1,348.5	1,356.7
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,014.3	1,037.6	1,040.4	1,145.7	1,162.7
Machinery (except electrical).....	1,513.3	1,550.7	1,567.7	1,705.4	1,736.4
Electrical machinery.....	1,069.0	1,074.8	1,087.1	1,216.9	1,232.4
Transportation equipment.....	1,702.7	1,737.9	1,752.5	1,981.3	1,987.0
Instruments and related products.....	299.6	305.4	310.5	334.4	336.2
Miscellaneous manufacturing industries.....	446.4	458.9	458.3	491.7	502.9
NONDURABLE GOODS	6,765	6,765	6,684	7,146	7,115
Food and kindred products.....	1,589.0	1,511.3	1,457.8	1,634.9	1,536.6
Tobacco manufactures.....	91.2	90.4	89.8	91.6	91.3
Textile-mill products.....	1,044.9	1,073.8	1,063.2	1,181.5	1,209.6
Apparel and other finished textile products....	1,098.2	1,110.4	1,107.3	1,192.5	1,214.4
Paper and allied products.....	519.9	525.8	522.7	529.5	532.2
Printing, publishing, and allied industries....	800.3	804.5	801.7	786.2	790.1
Chemicals and allied products.....	772.4	775.2	781.3	804.3	804.6
Products of petroleum and coal.....	256.9	255.4	252.6	265.4	263.5
Rubber products.....	225.5	255.2	253.7	277.3	284.1
Leather and leather products.....	366.4	363.2	353.5	382.6	388.5

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

(In thousands)

Industry division and group	1954			1953	
	July	June	May	July	June
TRANSPORTATION AND PUBLIC UTILITIES.....	4,041	4,032	4,008	4,283	4,260
TRANSPORTATION.....	2,701	2,703	2,685	2,934	2,928
Interstate railroads.....	1,231.8	1,228.9	1,215.6	1,409.5	1,399.9
Class I railroads.....	1,077.9	1,074.7	1,061.9	1,238.8	1,229.2
Local railways and bus lines.....	122.1	122.5	123.5	128.2	128.6
Trucking and warehousing.....	684.0	684.2	680.1	721.3	723.8
Other transportation and services.....	663.2	667.3	665.4	674.9	676.0
Bus lines, except local.....	48.3	48.2	48.6	53.5	52.9
Air transportation (common carrier).....	106.0	105.7	105.3	105.9	105.7
COMMUNICATION.....	747	741	741	760	751
Telephone.....	705.3	698.8	698.6	715.5	706.0
Telegraph.....	41.2	41.2	41.4	43.9	44.6
OTHER PUBLIC UTILITIES.....	593	588	582	589	581
Gas and electric utilities.....	567.9	563.3	557.1	564.1	557.3
Local utilities, not elsewhere classified.....	25.5	24.8	24.4	24.7	24.1
WHOLESALE AND RETAIL TRADE.....	10,379	10,414	10,375	10,414	10,473
WHOLESALE TRADE.....	2,779	2,757	2,746	2,773	2,765
RETAIL TRADE.....	7,600	7,657	7,629	7,641	7,708
General merchandise stores.....	1,290.0	1,325.1	1,339.3	1,333.9	1,385.7
Food and liquor stores.....	1,413.3	1,421.6	1,416.3	1,385.6	1,390.5
Automotive and accessories dealers.....	812.1	811.7	808.8	820.1	814.5
Apparel and accessories stores.....	558.3	595.6	600.0	560.0	603.6
Other retail trade.....	3,525.9	3,502.7	3,464.6	3,541.6	3,514.0
FINANCE, INSURANCE, AND REAL ESTATE.....	2,126	2,104	2,081	2,067	2,037
Banks and trust companies.....	534.7	525.6	521.3	519.3	506.8
Security dealers and exchanges.....	68.0	66.8	65.8	66.8	66.5
Insurance carriers and agents.....	785.4	775.7	770.9	751.0	738.4
Other finance agencies and real estate.....	737.6	736.1	723.2	729.6	725.2
SERVICE AND MISCELLANEOUS.....	5,643	5,601	5,563	5,607	5,576
Hotels and lodging places.....	589.4	527.1	501.7	596.2	538.9
Personal services:					
Laundries.....	337.1	337.3	333.6	347.3	347.0
Cleaning and dyeing plants.....	167.5	172.3	171.3	167.8	174.3
Motion pictures.....	236.4	236.0	235.7	237.3	237.4
GOVERNMENT.....	6,468	6,625	6,701	6,405	6,585
FEDERAL.....	2,162	2,164	2,160	2,281	2,303
STATE AND LOCAL.....	4,306	4,461	4,541	4,124	4,282

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

(In thousands)

Industry group and industry	All employees				Production workers			
	July 1954	June 1954	May 1954	July 1953	July 1954	June 1954	May 1954	July 1953
MINING.	735	744	737	836	-	-	-	-
METAL MINING.	100.3	99.6	98.8	105.9	86.7	85.3	84.8	91.4
Iron mining.	35.1	34.7	35.3	40.8	30.7	30.1	30.9	36.0
Copper mining.	28.4	28.4	27.5	28.5	24.4	24.3	23.4	24.5
Lead and zinc mining.	15.2	15.2	15.1	16.6	13.0	12.8	12.8	13.9
ANTHRACITE.	25.2	26.5	29.3	48.6	21.4	21.9	26.0	45.4
BITUMINOUS-COAL.	202.0	214.2	213.3	275.4	181.4	195.1	194.9	254.5
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION.	302.3	299.9	292.2	298.4	-	-	-	-
Petroleum and natural-gas production (except contract services).	-	-	-	-	136.7	134.2	129.0	136.5
NONMETALLIC MINING AND QUARRYING. .	105.0	104.1	103.2	107.2	90.3	89.0	88.6	93.4
MANUFACTURING.	15,638	15,888	15,836	17,336	12,233	12,480	12,437	13,875
Durable Goods.	8,873	9,123	9,152	10,190	6,933	7,177	7,208	8,194
Nondurable Goods.	6,765	6,765	6,684	7,146	5,300	5,303	5,229	5,681
ORDNANCE AND ACCESSORIES.	167.0	170.0	175.6	258.3	117.9	120.3	125.2	198.7
FOOD AND KINDRED PRODUCTS.	1,589.0	1,511.3	1,457.8	1,634.9	1,148.2	1,078.7	1,031.1	1,202.2
Meat products.	321.9	317.4	310.0	318.2	251.0	246.9	238.6	251.6
Dairy products.	130.6	130.0	124.2	129.7	88.0	88.2	84.0	90.2
Canning and preserving.	255.5	193.7	172.6	296.6	226.0	165.4	144.2	263.6
Grain-mill products.	124.5	123.1	119.7	121.3	92.1	91.3	87.9	89.2
Bakery products.	287.2	282.4	280.2	289.2	174.7	173.5	171.9	182.9
Sugar.	29.7	29.1	29.1	30.2	24.2	23.8	23.8	24.7
Confectionery and related products.	72.2	75.2	74.5	75.5	58.0	61.2	60.3	61.3
Beverages.	226.2	219.1	209.6	228.7	133.5	127.3	121.8	133.9
Miscellaneous food products.	141.2	141.3	137.9	145.5	100.7	101.1	98.6	104.8
TOBACCO MANUFACTURES.	91.2	90.4	89.8	91.6	82.7	82.4	81.5	83.6
Cigarettes.	31.7	31.6	31.4	30.6	28.8	28.7	28.3	27.7
Cigars.	38.0	39.9	39.5	39.0	36.0	37.9	37.5	37.1
Tobacco and snuff.	7.8	7.8	7.9	7.6	6.7	6.7	6.7	6.5
Tobacco stemming and redrying.	13.7	11.1	11.0	14.4	11.2	9.1	9.0	12.3
TEXTILE-MILL PRODUCTS.	1,044.9	1,073.8	1,063.2	1,181.5	952.6	980.9	968.6	1,085.3
Scouring and combing plants.	6.2	5.4	5.6	7.1	5.7	5.0	5.1	6.6
Yarn and thread mills.	119.8	124.0	122.5	144.7	110.5	114.7	113.1	134.5
Broad-woven fabric mills.	472.2	485.5	481.1	537.4	444.4	456.8	451.5	507.2
Narrow fabrics and smallwares.	28.5	29.1	29.0	31.2	24.9	25.5	25.3	27.6
Knitting mills.	210.8	217.8	213.2	234.3	190.0	197.0	192.2	213.6
Dyeing and finishing textiles.	85.1	85.7	86.0	91.0	74.5	75.2	75.5	80.0
Carpets, rugs, other floor coverings.	49.3	50.1	50.1	54.4	40.6	41.1	41.0	45.3
Hats (except cloth and millinery).	14.4	14.4	14.0	16.7	12.7	13.0	12.5	15.0
Miscellaneous textile goods.	58.6	61.8	61.7	64.7	49.3	52.6	52.4	55.5

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

(In thousands)

Industry group and industry	All employees				Production workers			
	July 1954	June 1954	May 1954	July 1953	July 1954	June 1954	May 1954	July 1953
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	1,098.2	1,110.4	1,107.3	1,192.5	976.9	987.0	984.9	1,065.5
Men's and boys' suits and coats..	119.1	121.5	118.5	127.0	106.5	108.2	105.3	114.2
Men's and boys' furnishings and work clothing.....	268.9	283.9	283.6	301.8	247.9	262.4	261.4	279.3
Women's outerwear.....	331.6	321.5	324.1	350.1	294.0	283.6	286.8	309.9
Women's, children's under garments.....	101.6	107.5	109.9	111.3	89.3	95.1	97.2	98.8
Millinery.....	16.1	12.9	15.0	19.9	13.9	10.9	13.1	17.7
Children's outerwear.....	75.8	75.8	69.5	71.6	69.0	69.0	63.0	65.1
Fur goods.....	11.5	12.9	10.9	14.2	8.4	9.9	8.2	11.5
Miscellaneous apparel and accessories.....	56.9	57.4	55.9	62.6	50.6	50.9	49.4	55.3
Other fabricated textile products.....	116.7	117.0	119.9	134.0	97.3	97.0	100.5	113.7
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	663.3	769.4	747.1	796.3	595.6	700.7	678.5	726.5
Logging camps and contractors....	90.7	125.6	116.1	110.6	83.0	117.8	108.3	104.0
Sawmills and planing mills.....	342.8	401.2	390.5	428.9	314.5	372.0	361.3	396.9
Millwork, plywood, and prefabricated structural wood products..	120.5	128.0	125.9	131.2	99.6	107.4	105.5	111.3
Wooden containers.....	56.9	61.2	60.9	66.8	52.3	56.4	56.1	62.0
Miscellaneous wood products.....	52.4	53.4	53.7	58.8	46.2	47.1	47.3	52.3
FURNITURE AND FIXTURES.....	328.3	329.0	330.6	369.7	274.2	274.5	276.5	314.4
Household furniture.....	228.9	228.3	230.7	261.4	196.9	196.0	198.6	228.0
Office, public-building, and professional furniture.....	39.8	40.3	39.9	42.6	31.8	32.1	31.9	34.7
Partitions, shelving, lockers, and fixtures.....	33.2	33.3	33.0	36.0	25.1	25.2	24.9	28.0
Screens, blinds, and miscellaneous furniture and fixtures.....	26.4	27.1	27.0	29.7	20.4	21.2	21.1	23.7
PAPER AND ALLIED PRODUCTS.....	519.9	525.8	522.7	529.5	429.5	435.6	432.5	438.8
Pulp, paper, and paperboard mills.....	256.0	259.2	256.9	258.5	215.8	219.5	217.9	219.0
Paperboard containers and boxes..	140.4	142.5	142.1	145.9	115.4	117.2	116.3	119.0
Other paper and allied products..	123.5	124.1	123.7	125.1	98.3	98.9	98.3	100.8
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....	800.3	804.5	801.7	786.2	513.7	518.5	514.7	506.7
Newspapers.....	293.4	295.2	293.7	288.0	145.5	147.9	146.6	143.7
Periodicals.....	60.9	61.4	61.9	60.6	24.6	25.5	25.6	25.9
Books.....	50.7	50.7	51.1	50.3	30.9	30.6	30.6	29.0
Commercial printing.....	206.6	207.0	206.1	203.0	167.3	167.9	166.5	165.4
Lithographing.....	58.6	59.0	59.2	56.0	45.3	45.5	45.6	42.9
Greeting cards.....	20.2	20.3	19.1	20.1	15.1	15.0	14.0	15.4
Bookbinding and related industries.....	44.0	44.0	43.9	44.6	34.8	34.7	34.5	35.2
Miscellaneous publishing and printing services.....	65.9	66.9	66.7	63.6	50.2	51.4	51.3	49.2

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

(In thousands)

Industry group and industry	All employees				Production workers			
	July 1954	June 1954	May 1954	July 1953	July 1954	June 1954	May 1954	July 1953
CHEMICALS AND ALLIED PRODUCTS.....	772.4	775.2	781.3	804.3	513.7	517.2	525.3	546.2
Industrial inorganic chemicals....	95.3	94.6	93.6	94.4	67.4	67.4	67.1	67.3
Industrial organic chemicals.....	297.5	297.7	297.0	324.9	201.8	201.3	201.0	226.9
Drugs and medicines.....	91.2	90.9	90.8	90.0	56.2	56.0	56.2	55.0
Soap, cleaning and polishing preparations.....	51.3	51.6	51.4	50.9	31.1	31.6	31.7	31.4
Paints, pigments, and fillers....	72.8	72.8	72.6	76.3	45.6	45.7	45.6	48.6
Gum and wood chemicals.....	8.1	8.0	8.3	7.9	6.9	6.8	7.1	6.7
Fertilizers.....	30.3	33.0	40.3	32.0	21.9	24.5	31.7	23.8
Vegetable and animal oils and fats.....	36.8	37.1	37.8	37.0	25.5	26.0	26.7	26.0
Miscellaneous chemicals.....	89.1	89.5	89.5	90.9	57.3	57.9	58.2	60.5
PRODUCTS OF PETROLEUM AND COAL.....	256.9	255.4	252.6	265.4	181.8	181.1	178.6	190.0
Petroleum refining.....	206.7	205.2	202.9	209.6	141.0	140.3	138.4	144.2
Coke and other petroleum and coal products.....	50.2	50.2	49.7	55.8	40.8	40.8	40.2	45.8
RUBBER PRODUCTS.....	225.5	255.2	253.7	277.3	173.3	198.4	197.0	219.3
Tires and inner tubes.....	90.6	112.8	111.5	120.8	67.0	85.0	83.9	93.7
Rubber footwear.....	25.3	25.0	25.0	28.1	20.1	19.8	19.8	22.5
Other rubber products.....	109.6	117.4	117.2	128.4	86.2	93.6	93.3	103.1
LEATHER AND LEATHER PRODUCTS.....	366.4	363.2	353.5	382.6	327.8	323.6	315.1	342.9
Leather: tanned, curried, and finished.....	43.4	43.6	43.1	47.2	39.1	39.1	38.6	42.4
Industrial leather belting and packing.....	4.4	4.7	4.7	5.3	3.3	3.6	3.6	4.3
Boot and shoe cut stock and findings.....	15.8	16.0	14.9	17.0	14.1	14.2	13.2	15.2
Footwear (except rubber).....	242.9	241.3	234.4	247.6	219.1	216.7	210.8	223.3
Luggage.....	14.6	14.6	13.9	16.7	12.4	12.4	11.8	14.6
Handbags and small leather goods.....	28.7	26.6	27.0	30.4	25.4	23.3	23.7	27.0
Gloves and miscellaneous leather goods.....	16.6	16.4	15.5	18.4	14.4	14.3	13.4	16.1
STONE, CLAY, AND GLASS PRODUCTS....	506.5	510.0	509.5	541.9	424.1	427.2	426.9	457.9
Flat glass.....	28.5	28.1	27.7	31.3	25.4	24.9	24.7	27.8
Glass and glassware, pressed or blown.....	86.5	90.6	91.0	95.1	73.5	77.6	77.9	82.0
Glass products made of purchased glass.....	15.1	15.3	15.5	17.8	12.9	13.2	13.3	15.5
Cement, hydraulic.....	42.8	39.4	40.5	42.5	36.0	32.7	33.7	35.8
Structural clay products.....	79.1	79.2	77.8	81.9	70.2	70.5	69.2	73.5
Pottery and related products.....	48.0	51.6	52.6	50.1	42.4	45.6	46.4	43.9
Concrete, gypsum, and plaster products.....	104.9	103.2	101.8	108.5	86.3	84.2	83.3	89.8
Cut-stone and stone products.....	17.6	18.5	18.7	18.4	15.1	16.2	16.3	16.1
Miscellaneous nonmetallic mineral products.....	84.0	84.1	83.9	96.3	62.3	62.3	62.1	73.5

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

(In thousands)

Industry group and industry	All employees				Production workers			
	July 1954	June 1954	May 1954	July 1953	July 1954	June 1954	May 1954	July 1953
PRIMARY METAL INDUSTRIES.....	1,163.0	1,179.5	1,172.4	1,348.5	971.2	983.0	975.6	1,143.4
Blast furnaces, steel works, and rolling mills.....	573.0	579.0	573.9	665.1	486.4	488.1	483.3	570.5
Iron and steel foundries.....	214.8	219.6	219.1	250.8	186.7	191.0	190.4	220.3
Primary smelting and refining of nonferrous metals.....	58.8	58.3	57.8	60.9	47.9	47.6	47.1	50.4
Secondary smelting and refining of nonferrous metals.....	12.2	12.4	12.6	13.5	9.1	9.2	9.3	9.9
Rolling, drawing, and alloying of nonferrous metals.....	100.9	102.4	101.8	113.6	79.5	81.0	80.6	91.5
Nonferrous foundries.....	70.6	72.8	72.4	92.3	56.2	58.2	57.6	76.9
Miscellaneous primary metal industries.....	132.7	135.0	134.8	152.3	105.4	107.9	107.3	123.9
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	1,014.3	1,037.6	1,040.4	1,145.7	809.6	831.1	833.3	933.9
Tin cans and other tinware.....	57.6	56.9	55.3	59.7	50.9	50.2	48.8	52.5
Cutlery, hand tools, and hardware.....	137.9	144.6	146.9	160.6	110.6	117.3	119.3	132.1
Heating apparatus (except electric) and plumbers' supplies.....	116.5	118.0	115.9	134.8	90.7	92.0	89.6	107.2
Fabricated structural metal products.....	271.2	269.7	266.6	272.1	207.4	205.7	202.8	209.1
Metal stamping, coating, and engraving.....	213.5	223.9	230.4	260.0	175.7	185.2	191.1	219.1
Lighting fixtures.....	41.6	43.2	43.3	50.2	32.7	34.2	34.3	41.2
Fabricated wire products.....	51.5	53.2	53.8	64.2	42.0	43.5	44.3	53.9
Miscellaneous fabricated metal products.....	124.5	128.1	128.2	144.1	99.6	103.0	103.1	118.8
MACHINERY (EXCEPT ELECTRICAL).....	1,513.3	1,550.7	1,567.7	1,705.4	1,113.2	1,150.6	1,165.0	1,294.9
Engines and turbines.....	74.8	75.4	76.4	89.4	52.9	53.3	54.2	64.8
Agricultural machinery and tractors.....	145.1	149.9	149.7	172.1	104.9	110.2	110.1	130.0
Construction and mining machinery.....	122.8	123.6	123.7	134.9	89.1	89.8	89.6	100.4
Metalworking machinery.....	273.5	280.4	284.7	307.5	209.6	216.1	219.5	242.0
Special-industry machinery (except metalworking machinery).....	171.1	174.1	175.5	186.8	121.6	124.6	125.8	136.6
General industrial machinery.....	224.5	226.5	227.9	246.0	151.4	154.1	155.7	172.5
Office and store machines and devices.....	101.9	103.5	103.3	108.7	80.6	81.7	81.3	87.7
Service-industry and household machines.....	153.1	166.0	175.3	193.1	112.1	124.6	133.4	148.7
Miscellaneous machinery parts.....	246.5	251.3	251.2	266.9	191.0	196.2	195.4	212.2
ELECTRICAL MACHINERY.....	1,069.0	1,074.8	1,087.1	1,216.9	771.1	775.8	791.2	918.1
Electrical generating, transmission, distribution, and industrial apparatus.....	357.9	363.7	369.0	406.8	246.7	253.0	259.2	293.2
Electrical appliances.....	60.5	60.8	62.6	71.3	48.0	48.3	50.4	59.5
Insulated wire and cable.....	27.5	28.4	28.6	33.2	21.8	22.7	23.1	27.5
Electrical equipment for vehicles.....	68.8	70.9	72.1	82.4	54.5	56.6	57.7	67.5
Electric lamps.....	27.0	27.6	27.7	28.6	23.4	23.9	24.2	25.2
Communication equipment.....	481.5	477.9	481.6	544.7	342.7	337.5	342.6	406.8
Miscellaneous electrical products.....	45.8	45.5	45.5	49.9	34.0	33.8	34.0	38.4

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

(In thousands)

Industry group and industry	All employees				Production workers			
	July 1954	June 1954	May 1954	July 1953	July 1954	June 1954	May 1954	July 1953
TRANSPORTATION EQUIPMENT.....	1,702.7	1,737.9	1,752.5	1,981.3	1,284.5	1,324.1	1,342.4	1,558.9
Automobiles.....	709.4	739.5	744.8	945.0	561.8	593.5	600.9	779.2
Aircraft and parts.....	803.7	804.0	806.9	793.3	566.4	570.0	575.0	574.9
Aircraft.....	498.5	493.8	496.2	478.9	349.5	348.6	353.3	344.8
Aircraft engines and parts.....	162.9	166.3	169.5	179.7	110.5	113.4	116.2	127.2
Aircraft propellers and parts...	17.4	17.5	13.1	17.8	12.5	12.6	9.1	13.1
Other aircraft parts and equipment.....	124.9	126.4	128.1	116.9	93.9	95.4	96.4	89.8
Ship and boat building and repairing.....	125.2	127.5	132.0	153.4	108.7	111.1	115.2	135.1
Ship building and repairing.....	104.6	105.6	109.1	130.2	90.7	91.8	95.0	114.4
Boat building and repairing.....	20.6	21.9	22.9	23.2	18.0	19.3	20.2	20.7
Railroad equipment.....	54.7	57.4	59.8	77.9	39.7	41.7	44.1	59.8
Other transportation equipment...	9.7	9.5	9.0	11.7	7.9	7.8	7.2	9.9
INSTRUMENTS AND RELATED PRODUCTS..	299.6	305.4	310.5	334.4	208.9	214.8	219.5	241.5
Laboratory, scientific, and engineering instruments.....	47.8	49.3	51.4	55.8	27.5	29.1	30.5	34.3
Mechanical measuring and controlling instruments.....	76.4	74.7	76.9	80.9	53.4	51.6	54.0	57.5
Optical instruments and lenses...	13.4	13.7	13.8	14.9	10.6	10.8	10.8	11.8
Surgical, medical, and dental instruments.....	39.6	39.8	39.7	43.7	27.4	27.7	27.7	31.2
Ophthalmic goods.....	24.3	25.5	25.8	26.7	19.1	20.2	20.5	21.4
Photographic apparatus.....	67.5	67.0	66.8	69.5	45.7	45.9	45.7	48.4
Watches and clocks.....	30.6	35.4	36.1	42.9	25.2	29.5	30.3	36.9
MISCELLANEOUS MANUFACTURING INDUSTRIES.....	446.4	458.9	458.3	491.7	362.2	375.0	373.9	405.4
Jewelry, silverware, and plated ware.....	50.3	51.5	51.9	50.8	40.5	41.6	41.9	41.2
Musical instruments and parts....	15.1	15.2	15.5	16.8	12.8	12.9	13.2	14.6
Toys and sporting goods.....	80.9	81.9	81.2	96.9	67.5	68.6	67.9	83.1
Pens, pencils, and other office supplies.....	28.5	29.2	29.3	29.1	21.3	22.0	22.1	21.8
Costume jewelry, buttons, notions	59.9	62.0	59.6	66.1	49.6	51.7	49.1	55.3
Fabricated plastic products.....	66.8	69.8	70.1	76.7	54.0	56.9	57.3	63.6
Other manufacturing industries...	144.9	149.3	150.7	155.3	116.5	121.3	122.4	125.8

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

Period	Production-worker employment		Production-worker payroll index (1947-49 average = 100)
	Number (in thousands)	Index (1947-49 average = 100)	
<u>Annual average:</u>			
1939.....	8,192	66.2	29.9
1940.....	8,811	71.2	34.0
1941.....	10,877	87.9	49.3
1942.....	12,854	103.9	72.2
1943.....	15,014	121.4	99.0
1944.....	14,607	118.1	102.8
1945.....	12,864	104.0	87.8
1946.....	12,105	97.9	81.2
1947.....	12,795	103.4	97.7
1948.....	12,715	102.8	105.1
1949.....	11,597	93.8	97.2
1950.....	12,317	99.6	111.7
1951.....	13,155	106.4	129.8
1952.....	13,144	106.3	136.6
1953.....	13,850	112.0	151.6
<u>Monthly data:</u>			
1953: June.....	13,985	113.1	153.9
July.....	13,875	112.2	151.1
August.....	14,070	113.8	154.0
September.....	14,061	113.7	153.4
October.....	13,852	112.0	152.6
November.....	13,534	109.4	148.0
December.....	13,319	107.7	147.2
1954: January.....	13,002	105.1	140.8
February.....	12,906	104.3	140.5
March.....	12,818	103.6	138.4
April.....	12,590	101.8	135.0
May.....	12,437	100.5	135.1
June.....	12,480	100.9	136.6
July.....	12,233	98.9	132.5

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

(In thousands)

Region <u>1/</u>	1954			1953	
	July	June	May	July	June
ALL REGIONS.....	212.6	214.4	219.4	253.6	256.6
PRIVATE YARDS.....	104.6	105.6	109.1	130.2	131.7
NAVY YARDS.....	108.0	108.8	110.3	123.4	124.9
NORTH ATLANTIC.....	89.5	90.6	93.2	114.4	115.2
Private yards.....	41.8	42.1	43.9	59.3	59.2
Navy yards <u>2/</u>	47.7	48.5	49.3	55.1	56.0
SOUTH ATLANTIC.....	38.0	38.2	38.9	43.3	43.3
Private yards.....	17.7	17.8	18.2	19.7	19.5
Navy yards.....	20.3	20.4	20.7	23.6	23.8
GULF:					
Private yards.....	22.6	22.8	22.0	24.4	24.6
PACIFIC.....	53.1	52.8	54.8	59.7	61.2
Private yards.....	13.1	12.9	14.5	15.0	16.1
Navy yards.....	40.0	39.9	40.3	44.7	45.1
GREAT LAKES:					
Private yards.....	5.0	5.5	6.1	6.5	7.0
INLAND:					
Private yards.....	4.4	4.5	4.4	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 civilian employment

Branch and agency	(In thousands)				
	1954			1953	
	July	June	May	July	June
TOTAL FEDERAL ^{1/}	2,162	2,164	2,160	2,281	2,303
Executive ^{2/}	2,135.9	2,138.1	2,134.2	2,255.0	2,277.2
Department of Defense.....	1,022.1	1,025.2	1,028.6	1,128.2	1,138.1
Post Office Department.....	507.4	504.8	502.4	498.6	504.3
Other agencies.....	606.4	608.1	603.2	628.2	634.8
Legislative	22.1	21.9	21.8	22.2	22.3
Judicial	3.9	4.0	4.0	3.9	3.9
District of Columbia ^{3/}	228.4	228.7	226.6	239.6	243.2
Executive ^{2/}	207.5	207.8	205.8	218.6	222.1
Department of Defense.....	87.2	87.2	86.4	89.6	90.1
Post Office Department.....	8.9	8.9	9.0	9.3	9.1
Other agencies.....	111.4	111.7	110.4	119.7	122.9
Legislative	20.2	20.1	20.0	20.3	20.4
Judicial7	.8	.8	.7	.7

^{1/} Data refer to continental United States only.

^{2/} 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.

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

**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
	July	June	July	July	June	July	July	June	July
Alabama.....	650.6	661.0	670.3	15.8	15.7	18.0	33.9	32.0	35.9
Arizona.....	199.3	199.3	197.4	13.5	13.6	12.8	17.4	16.5	16.8
Arkansas.....	297.4	302.5	313.6	5.9	5.7	6.3	14.3	13.8	19.0
California.....	3,834.1	3,823.8	3,905.1	35.7	35.6	37.2	234.8	233.3	248.6
Colorado.....	401.9	408.4	416.7	12.5	12.7	12.4	19.5	27.0	27.7
Connecticut.....	841.2	850.2	878.9	(1/)	(1/)	(1/)	42.0	40.1	43.2
Delaware.....	-	-	-	-	-	-	-	-	-
District of Columbia.....	488.9	489.0	507.0	(2/)	(2/)	(2/)	16.5	16.3	19.5
Florida.....	811.3	824.9	792.8	7.3	7.3	7.1	78.1	76.7	78.0
Georgia.....	879.1	888.3	908.8	4.5	4.5	4.5	45.2	49.4	53.6
Idaho.....	134.1	131.7	139.8	4.5	4.4	4.9	9.8	8.1	10.3
Illinois.....	3,271.3	3,307.7	3,424.4	31.9	32.3	35.1	177.1	170.3	178.4
Indiana.....	1,290.4	1,303.4	1,432.3	10.3	10.6	11.6	63.5	59.1	68.2
Iowa.....	629.0	632.9	640.1	3.3	3.2	3.3	40.2	37.9	42.3
Kansas.....	541.7	542.8	549.2	18.8	18.8	18.5	41.8	40.2	35.2
Kentucky.....	-	-	-	42.6	42.9	47.4	-	-	-
Louisiana.....	686.9	692.2	697.6	34.7	33.8	32.3	53.7	55.3	60.2
Maine.....	274.7	274.2	285.2	.6	.6	.5	14.4	14.2	13.5
Maryland.....	791.0	791.2	814.6	2.2	2.2	2.2	62.9	62.0	64.3
Massachusetts.....	1,737.8	1,756.0	1,820.4	(2/)	(2/)	(2/)	71.8	69.7	76.8
Michigan.....	-	-	-	-	-	-	-	-	-
Minnesota.....	849.7	833.2	877.1	18.1	18.1	20.9	52.0	43.4	56.4
Mississippi.....	334.4	335.3	339.5	2.7	2.6	3.1	19.7	19.0	20.6
Missouri.....	1,227.7	1,234.0	1,277.1	8.3	8.3	8.8	59.9	57.3	52.5
Montana.....	159.7	158.6	160.1	11.5	11.5	11.1	11.9	11.0	11.2
Nebraska.....	351.1	353.0	353.4	1.9	1.8	1.8	26.1	25.2	23.4
Nevada.....	76.6	75.7	75.1	5.0	4.8	4.7	9.1	9.0	8.8
New Hampshire.....	177.7	175.9	179.6	.2	.2	.2	8.1	7.8	7.9
New Jersey.....	1,772.0	1,778.1	1,850.5	4.5	4.5	4.8	99.7	100.4	98.6
New Mexico.....	178.5	177.6	177.4	14.6	14.1	15.4	14.6	14.2	13.7
New York.....	5,797.4	5,800.9	5,951.8	12.1	11.9	12.1	240.9	234.9	230.2
North Carolina.....	971.0	977.1	1,000.3	3.5	3.5	3.8	47.9	47.2	52.9
North Dakota.....	113.2	112.7	114.4	2.0	2.0	2.2	9.2	8.9	10.2
Ohio.....	2,876.4	2,920.8	3,079.0	21.1	21.4	23.0	167.5	162.6	161.2
Oklahoma.....	533.9	534.3	537.0	46.9	47.0	46.5	39.6	38.4	36.5
Oregon.....	444.5	462.1	488.7	1.3	1.3	1.2	26.9	24.5	28.9
Pennsylvania.....	3,577.9	3,596.4	3,867.1	94.1	99.9	134.5	210.2	202.7	207.5
Rhode Island.....	279.9	282.0	301.3	(2/)	(2/)	(2/)	15.6	15.9	15.4
South Carolina.....	508.4	513.3	533.7	1.2	1.2	1.2	41.7	41.1	53.6
South Dakota.....	121.8	121.9	124.0	2.5	2.6	2.6	11.0	10.5	11.1
Tennessee.....	807.9	817.4	834.4	8.4	8.7	8.9	54.2	60.7	55.5
Texas.....	2,242.1	2,245.2	2,246.8	127.0	126.0	123.9	173.1	172.9	167.8
Utah.....	(5/)	205.4	218.9	(5/)	11.8	13.6	(5/)	11.5	13.1
Vermont.....	101.4	102.4	105.0	1.3	1.3	1.4	4.7	4.5	4.7
Virginia.....	856.3	859.6	894.4	15.1	15.4	18.0	55.6	54.0	58.5
Washington.....	724.8	747.5	758.1	2.6	2.7	2.8	52.7	52.3	51.6
West Virginia.....	464.0	469.6	502.4	79.9	80.5	96.7	20.6	19.2	23.1
Wisconsin.....	1,075.1	1,055.3	1,104.1	4.2	4.2	4.3	55.9	52.4	58.2
Wyoming.....	88.5	87.4	94.1	8.9	9.7	10.8	7.3	6.7	7.5

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
	July	June	July	July	June	July	July	June	July
Alabama.....	213.8	224.1	230.5	51.7	51.1	52.0	135.2	135.0	136.3
Arizona.....	26.2	26.0	28.1	20.9	20.7	21.5	49.4	49.9	49.7
Arkansas.....	76.0	79.2	82.7	28.0	27.7	30.4	72.0	72.6	75.5
California.....	1,037.1	1,022.3	1,084.1	335.5	332.8	346.0	880.6	876.8	887.4
Colorado.....	65.4	64.5	68.6	43.6	43.3	46.7	108.5	107.7	108.8
Connecticut.....	401.1	414.2	451.2	42.6	42.3	42.5	148.7	149.9	143.3
Delaware.....	56.3	57.8	63.1	-	-	-	-	-	-
District of Columbia.....	16.1	16.3	17.2	29.4	29.4	31.2	87.9	88.6	90.9
Florida.....	114.7	120.0	114.2	74.7	74.4	74.4	242.1	247.8	234.1
Georgia.....	296.1	303.5	317.0	69.4	69.4	72.6	204.9	201.4	203.3
Idaho.....	25.5	24.6	27.2	15.4	15.2	17.2	34.4	34.2	35.5
Illinois.....	1,184.5	1,211.2	1,319.8	296.2	295.5	315.8	701.9	707.2	705.3
Indiana.....	555.6	562.5	582.5	99.5	98.5	108.4	274.2	275.6	278.2
Iowa.....	161.7	163.3	171.5	58.4	57.5	61.6	169.1	170.0	169.4
Kansas.....	131.8	132.7	139.6	64.2	63.9	70.5	127.3	126.7	131.5
Kentucky.....	146.0	148.2	159.0	57.2	57.3	60.1	125.8	126.1	126.9
Louisiana.....	154.1	155.2	162.5	80.6	80.9	83.2	160.0	159.9	160.9
Maine.....	107.5	108.2	119.8	20.5	20.2	20.2	53.6	52.9	53.7
Maryland.....	251.8	250.8	276.0	73.7	75.3	78.3	162.6	163.1	161.4
Massachusetts.....	654.3	665.4	731.7	118.4	118.2	120.1	360.7	368.4	364.3
Michigan.....	1,006.8	1,044.3	1,238.3	-	-	-	-	-	-
Minnesota.....	215.6	207.8	234.3	88.1	86.6	96.1	205.0	205.3	212.1
Mississippi.....	92.7	92.9	98.8	26.7	26.2	25.6	82.5	82.2	82.7
Missouri.....	376.2	377.7	414.1	126.1	126.6	135.1	298.1	298.5	312.5
Montana.....	19.3	18.7	19.7	22.6	22.6	24.5	40.7	40.6	40.6
Nebraska.....	58.8	59.8	62.9	42.6	42.0	45.3	91.9	92.2	94.0
Nevada.....	4.4	4.2	4.4	9.0	8.9	9.3	16.3	16.2	15.8
New Hampshire.....	78.2	78.7	81.7	10.6	10.6	11.0	32.1	31.8	31.8
New Jersey.....	762.3	771.2	844.5	145.8	146.1	150.0	320.5	317.8	323.4
New Mexico.....	16.8	16.5	16.7	19.0	18.9	20.5	42.2	41.7	41.7
New York.....	1,815.4	1,832.3	1,991.7	505.2	503.9	517.2	1,265.4	1,263.9	1,268.0
North Carolina.....	422.3	423.5	444.1	59.6	60.2	63.6	195.0	195.6	197.9
North Dakota.....	6.6	6.6	6.5	14.0	14.0	14.7	37.8	37.5	37.5
Ohio.....	1,243.8	1,283.0	1,430.8	216.4	216.9	236.9	558.7	561.8	571.2
Oklahoma.....	83.9	82.8	85.4	49.3	49.1	51.8	128.3	127.7	132.1
Oregon.....	119.2	139.7	157.2	45.8	45.3	49.4	106.9	105.5	111.5
Pennsylvania.....	1,422.6	1,428.1	1,625.8	309.1	308.0	338.6	664.5	674.1	686.5
Rhode Island.....	122.9	124.8	145.4	16.0	16.0	16.6	52.0	52.1	51.6
South Carolina.....	212.6	215.9	225.7	26.0	25.9	27.8	99.9	99.8	99.5
South Dakota.....	11.9	11.9	12.4	10.0	9.9	10.5	38.9	38.5	39.5
Tennessee.....	273.7	272.4	296.8	59.3	59.4	62.2	180.0	180.7	180.9
Texas.....	426.5	425.0	444.2	224.8	224.1	234.4	600.4	599.7	594.5
Utah.....	(5/)	30.1	34.5	(5/)	21.8	23.7	(5/)	49.1	50.5
Vermont.....	35.9	37.5	40.0	8.7	8.4	8.8	19.6	19.4	19.2
Virginia.....	236.6	236.9	255.2	80.8	80.9	86.3	190.5	190.7	196.3
Washington.....	176.7	200.5	206.3	64.9	64.8	69.3	167.1	165.3	168.9
West Virginia.....	122.8	125.7	133.8	49.7	49.5	54.3	79.5	80.8	85.1
Wisconsin.....	446.5	427.6	479.0	78.0	77.2	81.6	227.2	227.7	226.8
Wyoming.....	6.9	6.6	7.2	15.0	14.8	16.6	19.7	18.6	20.8

See footnotes at end of table.

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

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	1954		1953	1954		1953	1954		1953
	July	June	July	July	June	July	July	June	July
Alabama.....	22.5	22.4	20.6	57.3	58.1	57.4	120.4	122.6	119.6
Arizona.....	7.6	7.6	7.0	24.4	24.8	24.0	39.9	40.2	37.5
Arkansas.....	9.1	9.1	9.0	35.4	35.8	36.0	56.7	58.6	54.7
California.....	174.7	173.5	174.2	508.7	508.5	501.0	627.0	641.0	626.6
Colorado.....	18.3	18.2	17.6	55.6	54.7	56.1	78.5	80.3	78.8
Connecticut.....	44.6	43.9	43.1	87.3	85.9	83.9	74.9	73.9	71.7
Delaware.....	-	-	-	-	-	-	12.9	13.2	12.2
District of Columbia. 6/.....	23.7	23.8	23.1	65.1	64.3	64.9	250.2	250.3	260.2
Florida.....	42.4	42.1	39.4	116.6	117.3	112.9	135.4	139.3	132.7
Georgia.....	33.2	33.4	33.0	84.1	83.6	84.7	141.7	143.1	140.1
Idaho. 3/.....	4.2	4.2	4.3	16.1	16.2	16.3	24.2	24.8	24.1
Illinois.....	171.2	169.8	168.8	374.6	380.1	372.9	333.7	341.3	328.3
Indiana.....	44.9	44.4	43.3	98.5	99.5	99.5	143.9	148.2	140.6
Iowa.....	28.5	28.4	27.8	70.4	71.4	70.7	97.6	101.3	93.7
Kansas. 3/.....	19.1	18.9	18.1	56.0	56.3	55.2	82.7	85.3	80.6
Kentucky.....	17.8	17.6	18.2	62.9	62.9	63.9	89.2	91.9	89.1
Louisiana.....	24.2	24.2	23.2	74.1	74.5	73.1	105.5	108.4	102.2
Maine.....	7.4	7.4	7.4	30.1	29.1	30.0	40.6	41.6	40.1
Maryland. 6/.....	37.2	37.0	36.1	86.0	85.8	83.1	114.6	115.0	113.2
Massachusetts.....	85.9	85.3	84.9	220.7	219.2	220.4	226.0	229.8	222.2
Michigan.....	-	-	-	-	-	-	230.2	237.7	223.1
Minnesota.....	41.7	40.9	41.3	100.7	101.2	99.4	128.5	129.8	116.7
Mississippi.....	9.2	9.2	9.0	34.8	34.9	35.6	66.1	68.3	64.1
Missouri.....	61.8	60.9	61.5	150.5	154.1	149.2	146.8	150.6	143.4
Montana.....	5.1	5.1	4.9	20.6	20.5	21.1	28.0	28.6	27.0
Nebraska.....	19.0	18.9	18.9	45.4	46.1	43.9	65.4	67.1	63.3
Nevada.....	1.9	1.9	1.6	18.9	18.4	18.7	12.0	12.3	11.8
New Hampshire.....	5.4	5.4	5.2	22.6	20.4	22.1	20.5	21.0	19.7
New Jersey.....	64.3	63.8	65.3	186.9	183.0	180.5	188.0	191.3	183.4
New Mexico.....	5.9	5.9	5.2	23.9	23.8	24.1	41.5	42.5	40.1
New York.....	416.8	415.2	417.3	821.9	806.6	813.7	719.6	732.2	701.6
North Carolina.....	28.1	27.9	27.4	89.9	90.1	90.0	124.7	129.1	120.6
North Dakota.....	4.6	4.6	4.5	13.5	13.2	13.4	25.5	25.9	25.3
Ohio.....	93.8	92.3	92.2	265.2	265.0	259.5	309.9	317.8	304.1
Oklahoma.....	19.7	19.8	19.2	59.3	59.5	58.9	106.9	110.0	106.6
Oregon.....	17.5	17.5	17.1	56.8	56.8	56.2	70.1	71.5	67.2
Pennsylvania.....	131.7	129.8	129.9	372.3	372.1	375.6	373.4	381.8	368.6
Rhode Island.....	11.8	11.7	11.6	28.3	27.7	28.3	33.3	33.8	32.4
South Carolina.....	12.4	12.4	12.2	39.6	39.5	40.0	75.0	77.5	73.7
South Dakota. 3/.....	5.2	5.1	4.9	15.4	15.4	15.6	27.0	28.2	27.5
Tennessee.....	28.4	28.4	27.9	85.8	86.0	86.6	118.1	121.1	115.6
Texas.....	101.3	101.1	99.1	277.2	275.5	269.3	311.8	320.9	313.6
Utah.....	(5/)	8.2	7.7	(5/)	22.9	23.3	(5/)	50.0	52.5
Vermont*.....	3.2	3.1	3.0	12.5	12.3	11.9	15.6	15.9	16.0
Virginia. 6/.....	34.5	34.3	35.5	85.4	85.8	85.3	157.8	161.6	159.3
Washington.....	29.5	29.4	29.2	86.9	84.9	84.9	144.4	147.6	145.1
West Virginia.....	11.2	11.2	11.2	43.9	43.9	43.5	56.4	58.8	54.7
Wisconsin.....	38.8	38.3	36.8	103.3	103.1	101.0	121.2	124.9	116.4
Wyoming. 3/.....	2.2	2.1	2.0	12.9	12.8	13.8	15.6	16.1	15.4

* Finance and government do not conform with definitions used for national series as shown in Glossary. 1/ Mining combined with construction. 2/ Mining combined with service. 3/ Revised series; not strictly comparable with previously published data. 4/ Total and contract construction revised; not strictly comparable with previously published data. 5/ Not available. 6/ Federal employment in Maryland and Virginia portions of the Washington, D. C., metropolitan area included in data for District of Columbia.

**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
	July	June	July		July	June	July
ALABAMA				Sacramento			
<u>Birmingham</u>				Manufacturing.....	9.8	11.3	10.5
Total.....	187.2	187.6	190.2	<u>San Bernardino-</u>			
Mining.....	11.3	11.2	13.1	<u>Riverside-Ontario</u>			
Contract construction...	11.0	10.4	10.6	Manufacturing.....	25.8	25.9	25.7
Manufacturing.....	60.3	61.3	61.8	<u>San Diego</u>			
Trans. and pub. util....	16.9	16.8	17.7	Total.....	180.4	179.9	187.1
Trade.....	42.5	42.6	42.6	Mining.....	.2	.2	.2
Finance.....	10.3	10.3	9.9	Contract construction...	10.9	11.1	13.5
Service.....	19.1	19.1	19.0	Manufacturing.....	47.8	47.3	49.5
Government.....	16.0	16.0	15.7	Trans. and pub. util....	10.8	10.5	10.8
<u>Mobile</u>				Trade.....	40.5	40.5	42.1
Manufacturing.....	(1/)	16.5	16.6	Finance *.....	6.0	5.9	6.0
ARIZONA				Service.....	24.7	24.3	25.1
<u>Phoenix</u>				Government *.....	39.5	40.1	39.9
Total.....	95.0	94.7	93.8	<u>San Francisco-Oakland</u>			
Mining.....	.2	.2	.2	Total.....	865.9	855.8	882.2
Contract construction...	8.5	7.9	8.5	Mining.....	1.4	1.4	1.4
Manufacturing.....	15.6	15.3	16.0	Contract construction...	55.0	54.1	49.6
Trans. and pub. util....	9.0	9.0	9.1	Manufacturing.....	185.2	177.2	195.5
Trade.....	27.3	27.4	27.5	Trans. and pub. util....	98.0	97.2	103.5
Finance.....	5.2	5.2	4.7	Trade.....	198.3	196.7	199.9
Service.....	11.7	11.9	11.1	Finance.....	55.8	55.3	55.6
Government.....	17.5	17.8	16.7	Service.....	109.0	109.0	107.5
<u>Tucson</u>				Government.....	163.2	164.9	169.2
Total.....	40.0	40.4	42.4	<u>San Jose</u>			
Mining.....	1.7	1.8	1.6	Manufacturing.....	31.8	23.9	32.0
Contract construction...	3.4	3.2	4.0	<u>Stockton</u>			
Manufacturing.....	4.4	4.5	6.1	Manufacturing.....	12.3	11.2	14.9
Trans. and pub. util....	5.5	5.4	5.6	COLORADO			
Trade.....	9.6	9.8	9.8	<u>Denver</u>			
Finance.....	1.3	1.3	1.3	Mining.....	1.8	1.8	1.5
Service.....	6.6	6.6	6.5	Contract construction...	12.4	19.1	19.5
Government.....	7.5	7.8	7.5	Manufacturing.....	44.0	43.4	45.4
ARKANSAS				Trans. and pub. util....	26.4	26.0	28.0
<u>Little Rock-</u>				Trade.....	63.7	63.5	64.8
<u>N. Little Rock</u>				Finance.....	13.0	12.9	12.8
Total.....	65.6	67.0	69.8	Service.....	31.1	30.9	31.9
Contract construction...	4.4	4.6	4.9	CONNECTICUT			
Manufacturing.....	11.4	12.0	13.0	<u>Bridgeport</u>			
Trans. and pub. util....	7.3	7.4	8.6	Total.....	115.5	117.6	123.1
Trade.....	17.1	17.5	17.6	Contract construction 2/	5.6	5.3	5.9
Finance.....	4.2	4.2	4.1	Manufacturing.....	65.5	67.8	72.9
Service 2/.....	9.5	9.6	9.8	Trans. and pub. util....	5.6	5.7	5.4
Government.....	11.9	11.9	11.9	Trade.....	19.2	19.2	19.2
CALIFORNIA				Finance.....	2.6	2.6	2.5
<u>Fresno</u>				Service.....	9.5	9.7	10.0
Manufacturing.....	13.7	12.7	14.1	Government.....	7.5	7.4	7.1
<u>Los Angeles</u>				<u>Hartford</u>			
Total.....	1,818.2	1,818.7	1,838.2	Total.....	194.2	195.0	196.9
Mining.....	14.6	14.9	15.8	Contract construction 2/	9.4	9.0	9.0
Contract construction...	103.7	104.3	121.4	Manufacturing.....	75.2	75.3	78.1
Manufacturing.....	623.8	624.8	643.5	Trans. and pub. util....	7.4	7.4	7.3
Trans. and pub. util....	122.3	121.9	124.0	Trade.....	38.2	39.4	39.5
Trade.....	411.8	410.5	410.8	Finance.....	26.7	26.6	26.1
Finance.....	83.9	82.9	82.1				
Service.....	257.2	255.7	249.7				
Government.....	200.9	203.7	190.9				

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
	July	June	July		July	June	July
CONNECTICUT - Continued				Jacksonville - Continued			
<u>Hartford - Continued</u>				Manufacturing.....	18.7	19.0	18.1
Service.....	19.9	20.0	20.3	Trans. and pub. util....	14.4	14.3	14.5
Government.....	17.5	17.4	16.6	Trade.....	36.0	35.5	34.2
<u>New Britain</u>				Finance.....	8.3	8.1	7.0
Total.....	41.6	42.3	43.3	Service 2/.....	13.4	13.4	13.1
Contract construction 2/	1.3	1.3	1.2	Government.....	15.6	15.6	15.6
Manufacturing.....	27.0	27.6	29.4	<u>Miami</u>			
Trans. and pub. util....	2.1	2.1	2.0	Total.....	198.7	197.9	188.1
Trade.....	5.4	5.5	5.2	Contract construction...	17.4	16.3	19.3
Finance.....	.7	.7	.7	Manufacturing.....	22.6	23.7	21.5
Service.....	2.8	2.8	2.6	Trans. and pub. util....	27.3	26.7	25.5
Government.....	2.3	2.3	2.3	Trade.....	65.0	64.8	58.9
<u>New Haven</u>				Finance.....	11.5	11.3	10.7
Total.....	118.3	119.0	121.9	Service 2/.....	36.2	36.2	34.2
Contract construction 2/	6.1	5.8	5.9	Government.....	18.9	18.9	18.1
Manufacturing.....	45.7	46.5	50.0	<u>Tampa-St. Petersburg</u>			
Trans. and pub. util....	11.7	11.6	11.6	Total.....	118.2	120.4	114.4
Trade.....	22.5	22.6	22.7	Contract construction...	12.4	12.3	11.7
Finance.....	5.7	5.7	5.7	Manufacturing.....	21.4	22.4	22.4
Service.....	18.0	18.2	17.8	Trans. and pub. util....	10.3	10.4	10.1
Government.....	8.6	8.5	8.2	Trade.....	38.5	39.7	37.6
<u>Stamford</u>				Finance.....	6.2	6.2	5.6
Total.....	48.3	48.3	51.4	Service 2/.....	14.7	14.8	14.0
Contract construction 2/	3.4	3.3	3.5	Government.....	14.8	14.8	13.2
Manufacturing.....	20.7	20.9	23.3	GEORGIA			
Trans. and pub. util....	2.6	2.7	2.6	<u>Atlanta</u>			
Trade.....	9.2	9.2	9.2	Total.....	290.2	296.5	300.4
Finance.....	1.5	1.5	1.5	Contract construction...	13.8	17.7	16.2
Service.....	7.4	7.4	7.8	Manufacturing.....	75.6	77.6	79.3
Government.....	3.4	3.3	3.5	Trans. and pub. util....	30.4	30.6	31.9
<u>Waterbury</u>				Trade.....	78.6	78.3	80.0
Total.....	64.7	66.8	72.0	Finance.....	20.9	21.1	21.4
Contract construction 2/	2.1	2.1	2.1	Service 2/.....	37.5	37.7	37.3
Manufacturing.....	40.6	42.5	47.9	Government.....	33.4	33.5	34.3
Trans. and pub. util....	2.7	2.7	2.7	<u>Savannah</u>			
Trade.....	9.1	9.3	9.2	Total.....	48.4	48.6	50.9
Finance.....	1.3	1.3	1.3	Contract construction...	3.3	3.2	4.9
Service.....	4.2	4.3	4.3	Manufacturing.....	13.4	13.4	14.3
Government.....	4.7	4.7	4.7	Trans. and pub. util....	6.4	6.5	6.7
DELAWARE				Trade.....	12.5	12.5	12.3
<u>Wilmington</u>				Finance.....	1.5	1.5	1.5
Manufacturing.....	51.9	52.7	57.0	Service 2/.....	5.8	5.7	5.8
DISTRICT OF COLUMBIA				Government.....	5.5	5.8	5.4
<u>Washington</u>				IDAHO			
Total.....	600.2	603.2	621.0	<u>Boise</u>			
Contract construction...	33.2	32.8	38.0	Total.....	20.0	19.6	21.0
Manufacturing.....	26.2	26.6	26.6	Contract construction...	1.7	1.5	2.4
Trans. and pub. util....	41.2	41.1	43.7	Manufacturing.....	1.9	1.9	1.9
Trade.....	121.8	122.5	124.9	Trans. and pub. util....	2.3	2.3	2.5
Finance.....	31.9	31.9	31.0	Trade.....	5.9	5.7	6.2
Service 2/.....	80.4	82.7	82.4	Finance.....	1.2	1.2	1.2
Government.....	265.5	265.6	274.4	Service.....	2.9	2.9	2.9
FLORIDA				Government.....	4.1	4.1	3.9
<u>Jacksonville</u>							
Total.....	115.8	115.0	110.5				
Contract construction...	9.5	9.3	8.2				

See footnotes at end of table.

**Table A-8: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**
(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1954		1953		1954		1953
	July	June	July		July	June	July
ILLINOIS				Wichita - Continued			
<u>Chicago</u>				Contract construction...	6.8	6.7	7.2
Total.....	(1/)	2,446.6	2,538.3	Manufacturing.....	53.1	51.8	54.0
Mining.....	(1/)	3.7	4.0	Trans. and pub. util....	7.6	7.5	7.9
Contract construction...	(1/)	96.7	103.5	Trade.....	23.9	23.7	24.3
Manufacturing.....	(1/)	967.1	1,047.2	Finance.....	4.5	4.5	4.1
Trans. and pub. util....	(1/)	210.0	223.7	Service.....	11.4	11.2	11.2
Trade.....	(1/)	506.2	512.0	Government.....	9.2	9.2	8.9
Finance.....	(1/)	144.5	143.9				
Service.....	(1/)	295.2	288.9	LOUISIANA			
Government.....	(1/)	223.2	215.2	<u>Baton Rouge</u>			
				Manufacturing.....	18.7	18.6	19.2
INDIANA				Trade.....	11.8	11.7	11.7
<u>Evansville</u>				Finance.....	2.0	2.0	1.9
Total.....	65.7	64.7	77.0				
Manufacturing.....	30.9	29.9	41.8	<u>New Orleans</u>			
Nonmanufacturing.....	34.8	34.8	35.2	Total.....	263.3	265.5	271.3
				Mining.....	4.8	4.7	4.5
<u>Fort Wayne</u>				Contract construction...	18.7	19.1	19.5
Total.....	73.4	73.4	82.9	Manufacturing.....	52.7	53.5	57.6
Manufacturing.....	34.5	34.7	41.8	Trans. and pub. util....	42.4	43.4	43.3
Nonmanufacturing.....	38.9	38.7	41.1	Trade.....	65.6	66.0	66.3
				Finance.....	11.8	11.8	11.8
<u>Indianapolis</u>				Service.....	34.9	34.9	35.7
Total.....	266.9	267.5	280.0	Government.....	32.6	32.4	32.7
Contract construction...	10.3	10.1	11.4				
Manufacturing 3/.....	98.7	100.1	106.3	MAINE			
Trans. and pub. util. 3/	20.1	19.8	24.8	<u>Lewiston</u>			
Trade.....	63.0	62.9	64.8	Total.....	27.5	27.9	29.0
Finance.....	15.4	15.3	15.5	Contract construction...	1.4	1.4	1.2
Other nonmfg. 3/.....	59.4	59.3	57.2	Manufacturing.....	14.4	14.8	16.0
				Trans. and pub. util....	1.1	1.1	1.2
<u>South Bend</u>				Trade.....	5.1	5.1	5.1
Total.....	73.2	73.3	96.5	Finance.....	.7	.7	.7
Manufacturing.....	35.9	36.1	57.0	Service 2/.....	3.8	3.8	3.8
Trade.....	14.6	14.5	15.6	Government.....	1.0	1.0	1.0
Other nonmanufacturing..	22.7	22.7	23.9				
				IOWA			
IOWA				<u>Des Moines</u>			
<u>Des Moines</u>				Total.....	92.2	91.6	91.9
Total.....	92.2	91.6	91.9	Contract construction...	4.9	4.5	4.6
Contract construction...	4.9	4.5	4.6	Manufacturing.....	22.5	22.2	22.9
Manufacturing.....	22.5	22.2	22.9	Trans. and pub. util....	7.9	7.9	7.9
Trans. and pub. util....	7.9	7.9	7.9	Trade.....	24.4	24.1	24.6
Trade.....	24.4	24.1	24.6	Finance.....	10.0	10.0	9.8
Finance.....	10.0	10.0	9.8	Service 2/.....	11.8	11.9	11.7
Service 2/.....	11.8	11.9	11.7	Government.....	10.6	11.0	10.3
Government.....	10.6	11.0	10.3				
				KANSAS			
KANSAS				<u>Topeka</u>			
<u>Topeka</u>				Total.....	(1/)	43.7	44.9
Total.....	(1/)	43.7	44.9	Mining.....	(1/)	.1	.2
Mining.....	(1/)	.1	.2	Contract construction...	(1/)	2.4	2.7
Contract construction...	(1/)	2.4	2.7	Manufacturing.....	(1/)	5.9	6.1
Manufacturing.....	(1/)	5.9	6.1	Trans. and pub. util....	(1/)	7.6	8.1
Trans. and pub. util....	(1/)	7.6	8.1	Trade.....	(1/)	9.0	9.3
Trade.....	(1/)	9.0	9.3	Finance.....	(1/)	2.3	2.2
Finance.....	(1/)	2.3	2.2	Service.....	(1/)	5.1	5.0
Service.....	(1/)	5.1	5.0	Government.....	(1/)	11.5	11.5
Government.....	(1/)	11.5	11.5				
				Wichita			
<u>Wichita</u>				Total.....	117.7	115.9	118.7
Total.....	117.7	115.9	118.7	Mining.....	1.4	1.4	1.3
Mining.....	1.4	1.4	1.3				
				MARYLAND			
				<u>Baltimore</u>			
				Total.....	547.9	551.5	560.7
				Mining.....	.8	.8	.8
				Contract construction...	39.3	39.0	39.8
				Manufacturing.....	187.9	189.3	201.9
				Trans. and pub. util....	56.1	57.8	59.1
				Trade.....	110.7	111.2	109.9
				Finance.....	28.6	28.5	28.0
				Service.....	60.4	60.1	57.6
				Government.....	64.1	64.8	63.6

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
	July	June	July		July	June	July
MASSACHUSETTS				Saginaw			
<u>Boston</u>				Manufacturing.....	26.5	27.6	29.4
Total.....	940.7	950.8	975.4				
Contract construction...	41.2	40.3	47.1	MINNESOTA			
Manufacturing.....	275.9	279.5	302.2	<u>Duluth</u>			
Trans. and pub. util....	79.4	79.2	79.5	Total.....	43.3	42.7	44.7
Trade.....	219.3	223.9	225.2	Contract construction...	2.4	2.1	2.7
Finance.....	64.9	63.9	63.5	Manufacturing.....	10.0	10.0	10.2
Service 2/.....	130.4	131.8	129.5	Trans. and pub. util....	7.8	7.6	8.4
Government.....	129.6	132.2	128.4	Trade.....	11.1	10.9	11.4
				Finance.....	1.9	1.8	1.8
<u>Fall River</u>				Service 2/.....	6.2	6.2	6.1
Total.....	45.5	47.1	48.6	Government.....	3.9	4.0	4.1
Manufacturing.....	26.0	27.2	29.1				
Trans. and pub. util....	2.4	2.4	2.5	<u>Minneapolis</u>			
Trade.....	7.9	8.2	7.9	Total.....	261.8	260.3	268.3
Government.....	4.7	4.8	4.5	Contract construction...	14.0	11.2	14.3
Other nonmanufacturing..	4.5	4.5	4.6	Manufacturing.....	68.7	69.8	75.3
				Trans. and pub. util....	28.6	28.0	29.5
<u>New Bedford</u>				Trade.....	72.7	73.2	75.2
Total.....	47.8	48.5	53.3	Finance.....	20.2	19.6	20.0
Contract construction...	1.1	1.0	1.4	Service 2/.....	33.0	33.2	31.0
Manufacturing.....	25.4	26.1	30.8	Government.....	24.6	25.2	23.0
Trans. and pub. util....	2.2	2.2	2.2				
Trade.....	8.4	8.4	8.5	<u>St. Paul</u>			
Government.....	4.8	4.9	4.6	Total.....	149.9	147.4	151.9
Other nonmanufacturing..	5.9	5.9	5.8	Contract construction...	9.5	7.0	9.0
				Manufacturing.....	41.8	41.7	44.3
<u>Springfield-Holyoke</u>				Trans. and pub. util....	21.9	21.4	21.9
Total.....	152.2	155.6	162.3	Trade.....	33.0	33.1	33.7
Contract construction...	5.5	4.9	4.7	Finance.....	10.5	10.5	10.5
Manufacturing.....	65.5	67.8	74.8	Service 2/.....	16.9	17.6	16.6
Trans. and pub. util....	8.8	8.8	9.0	Government.....	16.3	16.1	16.0
Trade.....	30.4	31.5	31.2				
Finance.....	6.4	6.3	6.4	MISSISSIPPI			
Service 2/.....	15.3	15.6	15.0	<u>Jackson</u>			
Government.....	20.3	20.7	21.2	Manufacturing.....	8.8	8.9	9.4
<u>Worcester</u>				MISSOURI			
Total.....	99.5	100.9	106.3	<u>Kansas City</u>			
Contract construction...	3.6	3.5	4.1	Total.....	(1/)	364.1	362.8
Manufacturing.....	46.0	46.7	52.9	Mining.....	(1/)	.8	.7
Trans. and pub. util....	5.2	5.2	5.3	Contract construction...	(1/)	21.1	6.1
Trade.....	20.2	20.6	19.9	Manufacturing.....	(1/)	111.7	122.0
Finance.....	4.2	4.2	4.2	Trans. and pub. util....	(1/)	45.6	47.4
Service 2/.....	9.5	9.7	9.5	Trade.....	(1/)	94.3	96.0
Government.....	10.8	11.0	10.4	Finance.....	(1/)	20.7	21.0
				Service.....	(1/)	39.6	40.1
MICHIGAN				Government.....	(1/)	30.3	29.5
<u>Detroit</u>							
Manufacturing.....	550.9	579.9	733.9	<u>St. Louis</u>			
				Manufacturing.....	(1/)	264.4	300.3
<u>Flint</u>							
Manufacturing.....	77.1	79.4	76.2	MONTANA			
				<u>Great Falls</u>			
<u>Grand Rapids</u>				Manufacturing.....	2.9	2.8	2.9
Manufacturing.....	52.1	53.1	56.3	Trans. and pub. util....	2.6	2.6	2.9
				Trade.....	6.0	5.9	5.9
<u>Lansing</u>				Service 4/.....	3.5	3.4	3.4
Manufacturing.....	29.0	30.8	35.3				
<u>Muskegon</u>							
Manufacturing.....	23.5	24.5	30.4				

See footnotes at end of table.

**Table A-8: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**
(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1954		1953		1954		1953
	July	June	July		July	June	July
NEBRASKA				Binghamton			
<u>Omaha</u>				Total.....	76.2	75.8	77.7
Total.....	141.8	141.1	143.6	Contract construction...	3.6	3.5	3.1
Contract construction...	8.2	8.0	7.9	Manufacturing.....	41.3	41.1	42.8
Manufacturing.....	32.2	32.2	31.8	Trans. and pub. util....	3.9	3.9	4.1
Trans. and pub. util....	23.2	22.8	25.6	Trade.....	13.0	12.9	13.3
Trade.....	34.4	34.3	35.5	Other nonmanufacturing..	14.5	14.5	14.3
Finance.....	10.6	10.5	10.8				
Service 2/.....	18.0	18.2	17.9	<u>Buffalo</u>			
Government.....	15.3	15.2	14.4	Total.....	429.8	432.7	455.8
				Contract construction...	22.2	20.3	21.2
NEVADA				Manufacturing.....	197.0	200.9	219.3
<u>Reno</u>				Trans. and pub. util....	38.6	39.3	40.7
Contract construction...	2.2	2.0	1.7	Trade.....	81.2	81.3	83.6
Manufacturing 2/.....	1.9	1.9	1.9	Finance.....	13.5	13.3	13.1
Trans. and pub. util....	3.0	3.0	2.9	Service 2/.....	45.1	45.5	45.2
Trade.....	6.0	5.9	5.9	Government.....	32.1	32.1	32.7
Finance.....	.9	.8	.8				
Service.....	6.0	5.4	6.0	<u>Elmira</u>			
				Total.....	33.2	32.8	33.6
NEW HAMPSHIRE				Manufacturing.....	17.2	16.8	17.2
<u>Manchester</u>				Trade.....	6.3	6.3	6.4
Total.....	39.3	39.4	40.7	Other nonmanufacturing..	9.8	9.8	9.9
Contract construction...	1.4	1.3	1.5				
Manufacturing.....	19.2	19.1	20.5	<u>Nassau and Suffolk</u>			
Trans. and pub. util....	2.6	2.6	2.5	<u>Counties 5/</u>			
Trade.....	7.3	7.5	7.5	Contract construction...	28.6	29.1	25.2
Finance.....	1.9	1.9	1.8	Manufacturing.....	103.7	102.7	97.9
Service.....	4.2	4.2	4.3	Trans. and pub. util....	20.2	20.0	20.2
Government.....	2.7	2.7	2.6	Trade.....	59.4	58.9	54.1
				Service 4/.....	38.6	40.5	39.0
NEW JERSEY							
<u>Newark-Jersey City 5/</u>				<u>New York-Northeastern</u>			
Manufacturing.....	348.1	354.2	388.9	<u>New Jersey</u>			
				Manufacturing.....	1,638.8	1,655.0	1,792.2
<u>Paterson 5/</u>							
Manufacturing.....	167.1	168.3	181.5	<u>New York City 5/</u>			
				Total.....	3,445.7	3,477.0	3,525.8
<u>Perth Amboy 5/</u>				Mining.....	1.9	1.9	2.0
Manufacturing.....	79.0	79.5	85.1	Contract construction...	110.9	110.5	87.8
				Manufacturing.....	884.6	893.4	975.9
<u>Trenton</u>				Trans. and pub. util....	336.4	336.0	341.9
Manufacturing.....	38.4	38.9	44.2	Trade.....	795.7	807.5	813.1
				Finance.....	343.6	342.5	345.1
NEW MEXICO				Service.....	552.7	558.5	548.4
<u>Albuquerque</u>				Government.....	420.0	426.7	411.6
Total.....	52.8	52.3	53.0				
Contract construction...	4.2	4.2	4.2	<u>Rochester</u>			
Manufacturing.....	9.0	8.8	9.0	Total.....	212.1	212.5	217.0
Trans. and pub. util....	5.2	5.2	5.3	Contract construction...	10.3	10.0	9.2
Trade.....	13.9	13.5	14.3	Manufacturing.....	110.5	110.8	118.1
Finance.....	2.6	2.7	2.5	Trans. and pub. util....	11.2	11.0	11.1
Service 2/.....	7.3	7.3	7.1	Trade.....	37.7	38.2	37.1
Government.....	10.6	10.6	10.6	Finance.....	6.6	6.5	6.3
				Other nonmanufacturing..	35.8	36.0	35.1
NEW YORK							
<u>Albany-Schenectady-Troy</u>				<u>Syracuse</u>			
Total.....	206.8	206.3	225.6	Total.....	134.7	138.1	145.2
Contract construction...	7.0	6.4	8.1	Contract construction...	7.1	5.8	7.2
Manufacturing.....	78.2	78.5	91.7	Manufacturing.....	53.9	57.7	63.8
Trans. and pub. util....	16.7	16.5	18.0	Trans. and pub. util....	11.4	11.5	11.6
Trade.....	39.6	39.6	40.2	Trade.....	29.0	29.7	29.4
Government.....	36.9	37.1	39.5	Other nonmanufacturing..	33.4	33.5	33.2
Other nonmanufacturing..	28.4	28.2	28.1				

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
	July	June	July		July	June	July
NEW YORK - Continued				Tulsa - Continued			
<u>Utica-Rome</u>				Manufacturing.....	29.0	28.9	30.9
Total.....	94.7	95.3	102.2	Trans. and pub. util....	12.4	12.5	12.5
Contract construction...	2.8	2.8	4.4	Trade.....	27.7	27.8	28.1
Manufacturing.....	43.2	43.9	49.0	Finance.....	5.2	5.2	5.0
Trans. and pub. util....	6.0	6.1	6.4	Service.....	13.8	13.8	14.1
Trade.....	14.8	15.0	15.1	Government.....	5.1	5.1	5.8
Finance.....	3.1	3.0	3.0				
Service 2/.....	7.4	7.3	7.7	OREGON			
Government.....	17.4	17.3	16.5	<u>Portland</u>			
<u>Westchester County 5/</u>				Total.....	237.0	239.5	250.3
Manufacturing.....	45.6	46.4	52.7	Contract construction...	13.1	12.3	14.8
				Manufacturing.....	56.8	59.7	64.8
				Trans. and pub. util....	29.3	29.2	31.5
				Trade.....	61.2	60.4	63.2
				Finance.....	12.6	12.6	12.5
				Service 2/.....	33.9	33.7	33.3
				Government.....	30.1	31.6	30.2
NORTH CAROLINA				PENNSYLVANIA			
<u>Charlotte</u>				<u>Allentown-Bethlehem-</u>			
Total.....	82.7	82.7	83.9	<u>Easton</u>			
Contract construction...	6.1	6.0	6.0	Manufacturing.....	92.5	91.5	104.5
Manufacturing.....	21.1	21.2	21.9				
Trans. and pub. util....	9.6	9.6	9.9	<u>Erie</u>			
Trade.....	24.4	24.4	24.5	Manufacturing.....	38.7	40.3	46.2
Finance.....	5.3	5.3	5.4				
Service 2/.....	10.0	10.0	10.1	<u>Harrisburg</u>			
Government.....	6.2	6.2	6.1	Manufacturing.....	31.5	31.5	37.1
<u>Greensboro-High Point</u>							
Manufacturing.....	39.9	39.4	40.0	<u>Lancaster</u>			
				Manufacturing.....	42.3	42.7	45.3
NORTH DAKOTA				<u>Philadelphia</u>			
<u>Fargo</u>				Manufacturing.....	547.9	544.9	611.3
Manufacturing.....	2.2	2.2	2.1				
Trans. and pub. util....	2.3	2.3	2.4	<u>Pittsburgh</u>			
Trade.....	7.4	7.4	7.5	Mining.....	21.3	22.1	27.8
Finance.....	1.4	1.4	1.3	Manufacturing.....	321.0	324.3	375.4
Service.....	2.8	2.8	2.7	Trans. and pub. util....	67.6	67.6	74.4
Government.....	(1/)	(1/)	2.8	Finance.....	28.5	28.3	28.8
OHIO				<u>Reading</u>			
<u>Cincinnati</u>				Manufacturing.....	47.7	47.9	52.2
Manufacturing.....	155.4	156.2	170.7				
<u>Cleveland</u>				<u>Scranton</u>			
Manufacturing.....	298.1	304.0	339.0	Manufacturing.....	29.4	29.7	31.3
OKLAHOMA				<u>Wilkes-Barre-Hazleton</u>			
<u>Oklahoma City</u>				Manufacturing.....	(1/)	(1/)	38.3
Total.....	134.7	134.5	138.7				
Mining.....	6.6	6.6	6.6	<u>York</u>			
Contract construction...	9.0	9.0	9.7	Manufacturing.....	43.2	44.8	48.2
Manufacturing.....	16.6	16.3	16.4				
Trans. and pub. util....	10.7	10.6	11.5	RHODE ISLAND			
Trade.....	36.2	36.1	36.5	<u>Providence</u>			
Finance.....	7.7	7.7	7.7	Total.....	272.5	276.0	295.2
Service.....	16.5	16.6	16.8	Contract construction...	13.8	14.1	13.7
Government.....	31.4	31.5	33.5	Manufacturing.....	128.3	131.6	151.7
<u>Tulsa</u>				Trans. and pub. util....	14.2	14.2	14.8
Total.....	113.9	113.8	115.8	Trade.....	49.4	49.5	49.2
Mining.....	11.2	11.3	11.0	Finance.....	11.6	11.5	11.4
Contract construction...	9.5	9.3	8.6	Service 2/.....	26.1	25.6	26.1
				Government.....	29.1	29.5	28.3

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
	July	June	July		July	June	July
SOUTH CAROLINA				Nashville - Continued			
<u>Charleston</u>				Manufacturing.....	34.3	33.8	38.1
Total.....	49.1	48.9	51.8	Trans. and pub. util....	12.1	12.0	12.3
Contract construction...	3.6	3.6	4.0	Trade.....	26.1	26.2	26.1
Manufacturing.....	8.1	8.4	8.9	Finance.....	7.2	7.1	7.1
Trans. and pub. util....	4.4	4.0	4.8	Service.....	17.3	17.3	17.1
Trade.....	11.5	11.5	12.3	Government.....	14.4	14.4	14.3
Finance.....	1.6	1.6	1.5				
Service 2/.....	4.7	4.5	4.5	UTAH			
Government.....	15.4	15.4	16.0	<u>Salt Lake City</u>			
				Total.....	(1/)	106.9	106.8
<u>Greenville</u>				Mining.....	(1/)	6.0	6.4
Manufacturing.....	27.6	27.7	29.8	Contract construction...	(1/)	6.5	7.3
				Manufacturing.....	(1/)	16.4	16.7
SOUTH DAKOTA				Trans. and pub. util....	(1/)	12.6	12.9
<u>Sioux Falls</u>				Trade.....	(1/)	31.0	30.9
Manufacturing.....	5.6	5.5	5.4	Finance.....	(1/)	6.4	5.9
Trans. and pub. util....	2.0	2.0	2.1	Service.....	(1/)	13.5	13.3
Trade.....	7.1	7.2	7.5	Government.....	(1/)	14.5	13.4
Finance.....	1.4	1.3	1.3				
Service 6/.....	4.7	4.7	4.8	VERMONT			
				<u>Burlington</u>			
TENNESSEE				Total.....	17.1	17.2	17.9
<u>Chattanooga</u>				Manufacturing.....	5.1	5.3	6.3
Total.....	87.2	88.3	94.9	Trans. and pub. util....	1.3	1.2	1.2
Mining.....	.1	.1	.1	Trade.....	4.7	4.7	4.6
Contract construction...	3.6	3.5	5.0	Service.....	2.9	2.8	2.4
Manufacturing.....	40.4	41.5	46.6	Other nonmanufacturing..	3.1	3.2	3.4
Trans. and pub. util....	5.3	5.2	5.4				
Trade.....	17.1	17.3	17.4	<u>Springfield</u>			
Finance.....	3.9	3.8	3.7	Total.....	11.5	12.4	13.2
Service.....	9.2	9.2	9.0	Manufacturing.....	7.0	7.8	8.9
Government *.....	7.8	7.8	7.8	Trans. and pub. util....	.6	.6	.6
				Trade.....	1.6	1.6	1.5
<u>Knoxville</u>				Service.....	.8	.8	.8
Total.....	107.4	115.5	117.0	Other nonmanufacturing..	1.6	1.6	1.5
Mining.....	1.9	1.8	2.1				
Contract construction...	5.9	14.9	11.8	VIRGINIA			
Manufacturing.....	43.7	42.5	45.7	<u>Norfolk-Portsmouth</u>			
Trans. and pub. util....	7.0	7.2	7.6	Manufacturing.....	14.7	14.9	16.0
Trade.....	22.1	22.2	21.5				
Finance.....	2.2	2.2	2.2	<u>Richmond</u>			
Service.....	11.3	11.3	11.6	Total.....	145.4	145.1	148.8
Government *.....	13.5	13.6	14.7	Mining.....	.4	.4	.3
				Contract construction...	10.7	10.2	10.5
<u>Memphis</u>				Manufacturing.....	35.8	35.3	37.6
Total.....	163.6	164.4	170.9	Trans. and pub. util....	14.8	14.9	15.4
Mining.....	.3	.3	.4	Trade.....	35.9	36.2	36.5
Contract construction...	10.8	10.7	11.1	Finance.....	11.9	11.8	11.6
Manufacturing.....	40.9	41.5	44.8	Service.....	16.7	16.7	17.2
Trans. and pub. util....	14.5	14.6	15.1	Government.....	19.2	19.6	19.7
Trade.....	48.7	48.8	50.1				
Finance.....	7.5	7.5	7.5	WASHINGTON			
Service.....	18.4	18.7	19.1	<u>Seattle</u>			
Government.....	22.5	22.5	23.0	Total.....	279.4	282.1	282.6
				Contract construction...	13.7	13.3	14.1
<u>Nashville</u>				Manufacturing.....	76.4	80.1	78.6
Total.....	121.6	120.6	125.3	Trans. and pub. util....	26.7	26.3	27.8
Contract construction 2/	10.4	9.9	10.5	Trade.....	70.5	70.5	70.3
				Finance.....	16.2	16.1	16.0
				Service 2/.....	36.6	36.5	36.4
				Government.....	39.3	39.3	39.4

See footnotes at end of table.

**Table A-8: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**
(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1954		1953		1954		1953
	July	June	July		July	June	July
WASHINGTON - Continued				Charleston - Continued			
<u>Spokane</u>				Service.....	8.7	8.8	8.7
Total.....	69.5	68.8	71.3	Government *.....	8.8	8.8	8.9
Contract construction...	5.2	5.2	5.3				
Manufacturing.....	14.4	14.2	15.0	<u>Wheeling-Steubenville</u>			
Trans. and pub. util....	8.3	8.3	9.1	Total.....	109.4	110.2	113.1
Trade.....	18.3	17.9	18.9	Mining.....	5.6	5.8	6.8
Finance.....	3.5	3.4	3.3	Contract construction...	4.0	4.0	4.4
Service 2/.....	10.6	10.7	10.7	Manufacturing.....	53.0	53.5	53.8
Government.....	9.2	9.1	9.0	Trans. and pub. util....	9.1	9.0	10.0
				Trade.....	18.8	18.9	19.4
<u>Tacoma</u>				Finance.....	2.8	2.8	2.6
Total.....	66.6	69.6	72.0	Service.....	9.4	9.7	9.5
Contract construction...	3.8	3.7	4.6	Government.....	6.8	6.7	6.7
Manufacturing.....	14.4	17.0	17.5				
Trans. and pub. util....	6.4	6.7	7.3	WISCONSIN			
Trade.....	14.4	14.8	15.0	<u>Milwaukee</u>			
Finance.....	2.6	2.5	2.6	Manufacturing.....	181.4	182.3	190.8
Service 2/.....	7.8	7.5	7.9				
Government.....	17.2	17.4	17.1	<u>Racine</u>			
				Manufacturing.....	21.1	21.6	24.1
WEST VIRGINIA				WYOMING			
<u>Charleston</u>				<u>Casper</u>			
Total.....	89.6	90.0	99.3	Mining.....	2.9	2.8	2.9
Mining.....	11.2	11.4	15.9	Contract construction...	1.1	.9	1.0
Contract construction...	4.5	4.5	5.9	Manufacturing.....	1.9	2.0	1.9
Manufacturing.....	25.9	26.0	28.9	Trans. and pub. util....	1.8	1.7	1.7
Trans. and pub. util....	10.4	10.4	10.5	Trade.....	3.6	3.5	3.5
Trade.....	17.5	17.5	17.9	Finance.....	.4	.4	.4
Finance.....	2.7	2.7	2.8	Service.....	2.0	2.0	1.8

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

1/ Not available.

2/ Includes mining.

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

4/ Includes mining and finance.

5/ Subarea of New York-Northeastern New Jersey.

6/ Includes mining and government.

**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.
Total separation												
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	3.3					
Quit												
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					
Discharge												
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					
Layoff												
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	1.7					
Miscellaneous, including military												
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					
Total accession												
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	3.0					

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

(Per 100 employees)

Industry group and industry	Separation										Total accession	
	Total		Quit		Discharge		Layoff		Misc., incl. military			
	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954
MANUFACTURING.....	3.3	3.1	1.1	1.1	0.2	0.2	1.7	1.7	0.2	0.2	3.0	3.5
Durable Goods.....	3.5	3.5	1.0	1.0	.2	.2	2.1	2.0	.2	.2	2.9	3.3
Nondurable Goods.....	2.8	2.6	1.3	1.1	.2	.2	1.1	1.1	.1	.1	3.1	3.8
ORDNANCE AND ACCESSORIES.....	(1/)	2.7	(1/)	.9	(1/)	.2	(1/)	1.4	(1/)	.2	(1/)	2.2
FOOD AND KINDRED PRODUCTS.....	3.7	3.4	1.2	1.2	.3	.3	2.0	1.7	.1	.1	4.1	5.9
Meat products.....	4.1	4.3	.8	.8	.2	.3	3.0	2.9	.1	.2	4.6	6.1
Grain-mill products.....	3.1	2.1	1.3	1.1	.4	.4	1.3	.4	.1	.1	4.5	5.1
Bakery products.....	3.3	3.3	2.0	2.0	.5	.4	.6	.8	.1	.1	3.5	4.9
Beverages:												
Malt liquors.....	(1/)	1.7	(1/)	.5	(1/)	.1	(1/)	.9	(1/)	.1	(1/)	7.0
TOBACCO MANUFACTURES.....	1.8	2.0	1.4	1.1	.2	.2	.1	.5	.1	.2	3.3	2.8
Cigarettes.....	1.7	1.4	1.3	.8	.2	.3	.1	.1	.1	.3	3.9	3.3
Cigars.....	2.0	2.6	1.6	1.5	.2	.2	.1	.8	.1	.1	2.9	2.6
Tobacco and snuff.....	1.7	1.5	.7	.4	.1	.2	.3	.4	.6	.5	2.9	1.5
TEXTILE-MILL PRODUCTS.....	3.0	2.8	1.3	1.1	.2	.2	1.3	1.4	.3	.2	3.0	3.2
Yarn and thread mills.....	3.2	2.9	1.5	1.1	.2	.2	1.4	1.5	.1	.1	4.4	3.0
Broad-woven fabric mills.....	2.9	3.1	1.3	1.2	.2	.2	1.1	1.4	.3	.3	3.1	3.3
Cotton, silk, synthetic fiber.....	2.8	3.0	1.4	1.2	.2	.2	1.0	1.3	.3	.3	3.0	3.0
Woolen and worsted.....	4.0	4.4	1.2	.9	.3	.4	2.2	2.8	.4	.3	4.2	7.0
Knitting mills.....	2.5	2.8	1.6	1.3	.2	.1	.6	1.2	.1	.1	3.3	3.6
Full-fashioned hosiery.....	1.7	3.1	1.2	1.1	.1	.1	.3	1.8	.1	.1	1.4	2.2
Seamless hosiery.....	2.7	2.3	1.6	1.5	.1	.1	.7	.3	.3	.3	2.6	5.1
Knit underwear.....	3.1	2.5	2.2	1.5	(2/)	.1	.8	.9	(2/)	.1	5.3	3.5
Dyeing and finishing textiles.....	2.6	1.8	.7	.7	.1	.2	1.7	.8	.1	.1	1.6	2.5
Carpets, rugs, other floor coverings..	4.1	2.2	.4	.4	.2	.1	3.1	1.3	.5	.4	2.2	2.6
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	3.3	3.2	2.3	1.9	.1	.1	.6	1.2	.1	.1	4.1	4.1
Men's and boys' suits and coats.....	3.6	2.4	1.7	.9	.1	.1	1.4	1.2	.4	.1	3.5	5.1
Men's and boys' furnishings and work clothing.....	3.3	3.6	2.6	1.9	.1	.1	.5	1.6	.1	(2/)	5.0	4.3
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	3.8	3.7	2.0	2.2	.2	.3	1.3	1.0	.3	.2	4.3	5.5
Logging camps and contractors.....	4.6	4.4	3.8	3.0	(2/)	.3	.5	.8	.3	.3	4.4	8.8
Sawmills and planing mills.....	3.8	3.7	1.6	2.4	.3	.2	1.7	.9	.2	.2	3.5	4.9
Millwork, plywood, and prefabricated structural wood products.....	1.7	1.9	1.2	1.1	.1	.1	.3	.4	.1	.1	5.3	3.7
FURNITURE AND FIXTURES.....	2.5	3.5	1.5	1.3	.2	.2	.7	1.8	.2	.2	5.0	5.9
Household furniture.....	2.9	4.1	1.7	1.3	.2	.3	.9	2.3	.1	.2	5.4	6.3
Other furniture and fixtures.....	1.8	2.2	1.0	1.2	.2	.1	.3	.7	.3	.1	4.2	5.0
PAPER AND ALLIED PRODUCTS.....	2.5	2.2	1.0	1.1	.2	.2	1.1	.8	.1	.2	2.3	3.5
Pulp, paper, and paperboard mills....	1.6	1.4	.7	.7	.1	.1	.5	.3	.2	.3	2.1	3.2
Paperboard containers and boxes.....	2.5	2.3	1.6	1.4	.3	.2	.4	.5	.1	.2	3.4	3.7

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		Total accession	
	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954
CHEMICALS AND ALLIED PRODUCTS.....	1.7	1.3	0.7	0.6	0.2	0.1	0.6	0.5	0.2	0.1	1.9	2.7
Industrial inorganic chemicals.....	1.8	1.5	.9	.7	.1	.2	.6	.4	.3	.1	1.9	3.0
Industrial organic chemicals.....	1.6	1.5	.5	.4	.1	.1	.7	.9	.2	.1	1.1	2.7
Synthetic fibers.....	(1/)	2.0	(1/)	.4	(1/)	(2/)	(1/)	1.4	(1/)	.2	(1/)	3.7
Drugs and medicines.....	(1/)	1.2	(1/)	.8	(1/)	.1	(1/)	.2	(1/)	.2	(1/)	1.5
Paints, pigments, and fillers.....	1.1	1.1	.6	.5	.2	.1	.1	.3	.2	.1	1.9	2.5
PRODUCTS OF PETROLEUM AND COAL.....	1.1	.8	.4	.3	.1	.1	.4	.3	.2	.2	1.0	2.0
Petroleum refining.....	.6	.7	.2	.2	(2/)	(2/)	.2	.2	.2	.2	.7	1.8
RUBBER PRODUCTS.....	2.3	2.6	.7	.8	.1	.1	1.4	1.4	.2	.2	2.0	2.8
Tires and inner tubes.....	.8	1.3	.3	.7	.1	.1	.2	.4	.2	.3	1.3	2.5
Rubber footwear.....	1.5	1.7	.9	.9	.1	.1	.4	.6	.1	.1	1.7	3.0
Other rubber products.....	3.7	4.0	.9	1.0	.1	.2	2.5	2.6	.2	.2	2.6	3.0
LEATHER AND LEATHER PRODUCTS.....	3.1	2.4	1.9	1.6	.2	.2	.7	.5	.2	.1	4.0	4.2
Leather.....	3.3	2.0	.8	.9	.1	.1	2.1	.8	.3	.2	2.1	3.7
Footwear (except rubber).....	3.0	2.5	2.1	1.7	.3	.2	.4	.4	.2	.1	4.4	4.3
STONE, CLAY, AND GLASS PRODUCTS.....	3.2	2.7	.8	.8	.1	.1	2.1	1.6	.2	.2	3.0	3.2
Glass and glass products.....	5.7	3.6	.7	.7	.1	.1	4.6	2.6	.3	.2	3.7	3.9
Cement, hydraulic.....	1.1	1.0	.6	.7	.1	.2	(2/)	.1	.5	.1	1.5	4.0
Structural clay products.....	2.2	2.7	1.0	1.0	.1	.2	.8	1.3	.2	.1	3.2	3.2
Pottery and related products.....	1.2	3.4	.7	1.3	.1	.3	.3	1.7	.1	.1	1.4	2.4
PRIMARY METAL INDUSTRIES.....	2.2	2.5	.6	.6	.1	.1	1.2	1.5	.2	.3	2.3	2.4
Blast furnaces, steel works, and rolling mills.....	1.8	1.9	.5	.5	.1	(2/)	.9	1.1	.2	.2	2.3	2.2
Iron and steel foundries.....	2.8	3.8	.8	.8	.2	.2	1.6	2.5	.1	.2	2.2	2.9
Gray-iron foundries.....	3.0	4.3	1.0	.8	.3	.2	1.5	3.0	.1	.3	2.6	3.2
Malleable-iron foundries.....	2.7	2.5	1.1	.9	.1	.3	1.4	1.1	.2	.3	2.2	2.2
Steel foundries.....	2.6	3.7	.5	.6	.2	.3	1.7	2.5	.2	.2	1.7	2.8
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	1.3	1.1	.5	.5	.2	.1	.4	.2	.2	.2	2.1	2.4
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	1.0	1.4	.4	.4	.1	.1	.4	.5	.1	.4	1.0	1.8
Nonferrous foundries.....	5.0	4.5	.7	1.0	.2	.4	3.6	2.8	.5	.3	3.8	3.7
Other primary metal industries:												
Iron and steel forgings.....	2.2	5.4	.8	.6	.1	.1	1.2	4.5	.1	.2	2.8	1.7
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	4.2	4.0	1.0	1.0	.2	.3	2.7	2.5	.2	.2	2.9	3.9
Cutlery, hand tools, and hardware.....	3.2	3.7	.9	.9	.1	.2	1.8	2.5	.3	.2	2.0	2.4
Cutlery and edge tools.....	3.7	2.0	.6	.6	.2	.2	2.7	1.1	.2	.1	1.0	2.2
Hand tools.....	1.9	3.0	.5	.6	.1	.1	1.1	2.2	.2	.1	1.2	2.2
Hardware.....	3.7	4.6	1.2	1.1	.1	.2	2.0	3.1	.3	.2	2.8	2.6

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			
	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)-Continued												
Heating apparatus (except electric) and plumbers' supplies.....	3.4	3.7	1.0	1.3	0.5	0.6	1.5	1.6	0.4	0.2	4.5	6.4
Sanitary ware and plumbers' supplies.....	3.1	3.3	1.0	1.0	.7	.5	1.3	1.6	.1	.1	5.6	6.6
Oilburners, nonelectric heating and cooking apparatus, not elsewhere classified.....	3.7	4.0	1.1	1.5	.4	.6	1.6	1.5	.6	.3	3.7	6.2
Fabricated structural metal products.....	2.8	2.4	1.0	1.1	.2	.4	1.4	.8	.2	.1	2.1	3.9
Metal stamping, coating, and engraving.....	7.8	7.2	.9	1.0	.1	.1	6.3	5.8	.5	.3	4.4	4.0
MACHINERY (EXCEPT ELECTRICAL).....	3.1	3.1	.8	.8	.1	.2	2.0	1.9	.3	.2	1.7	2.2
Engines and turbines.....	3.4	2.9	.7	.6	.1	.1	2.4	2.0	.2	.2	1.8	2.2
Agricultural machinery and tractors..	(1/)	3.5	(1/)	.7	(1/)	.2	(1/)	2.3	(1/)	.3	(1/)	2.3
Construction and mining machinery....	2.5	2.6	1.0	.9	.1	.2	1.1	1.3	.2	.2	2.5	2.5
Metalworking machinery.....	3.1	3.0	.7	.8	.1	.1	2.0	1.9	.2	.2	.9	1.6
Machine tools.....	2.4	2.6	.5	.6	.1	.1	1.6	1.7	.3	.2	.8	1.4
Metalworking machinery (except machine tools).....	3.3	2.9	1.1	.9	.1	.2	2.0	1.6	.1	.1	.8	1.3
Machine-tool accessories.....	4.0	3.9	.9	1.0	.2	.2	2.7	2.6	.3	.2	1.2	2.3
Special-industry machinery (except metalworking machinery).....	2.6	2.7	.9	.9	.2	.2	1.3	1.5	.2	.2	1.2	2.2
General industrial machinery.....	1.9	2.7	.6	.8	.1	.2	1.1	1.5	.2	.2	1.3	2.5
Office and store machines and devices.....	4.1	1.8	1.2	1.0	.2	.1	2.5	.6	.3	.1	2.0	2.8
Service-industry and household machines.....	5.9	6.5	.8	.8	.3	.5	4.3	4.8	.5	.4	3.2	2.6
Miscellaneous machinery parts.....	1.8	1.9	.7	.6	.1	.1	.8	.9	.2	.2	1.5	2.1
ELECTRICAL MACHINERY.....	2.8	3.3	1.2	1.0	.2	.2	1.2	1.8	.1	.2	3.2	2.7
Electrical generating, transmission, distribution, and industrial apparatus.....	2.7	2.9	.8	.9	.1	.1	1.5	1.7	.3	.2	1.4	1.6
Communication equipment.....	(1/)	3.1	(1/)	1.2	(1/)	.2	(1/)	1.4	(1/)	.3	(1/)	3.1
Radios, phonographs, television sets, and equipment.....	3.0	3.4	1.6	1.1	.2	.2	1.1	1.7	(2/)	.3	5.0	3.8
Telephone, telegraph, and related equipment.	(1/)	2.3	(1/)	.9	(1/)	.1	(1/)	1.0	(1/)	.3	(1/)	1.1
Electrical appliances, lamps, and miscellaneous products.....	2.6	4.0	1.0	.9	.3	.2	1.2	2.8	.1	.2	4.2	3.7
TRANSPORTATION EQUIPMENT.....	5.4	4.6	1.0	1.1	.2	.2	3.7	3.0	.3	.4	3.6	3.7
Automobiles.....	7.1	4.6	.5	.6	.1	.1	5.8	3.3	.6	.5	3.5	3.1
Aircraft and parts.....	2.6	2.8	1.3	1.4	.2	.2	.9	1.0	.2	.2	2.5	2.8
Aircraft.....	2.2	2.4	1.4	1.5	.2	.2	.5	.5	.1	.2	2.7	3.0
Aircraft engines and parts.....	4.4	4.5	1.0	1.1	.2	.2	2.8	3.1	.4	.2	1.4	1.8
Aircraft propellers and parts.....	2.7	3.1	1.2	1.5	.2	.2	1.1	1.3	.2	.1	2.1	3.3
Other aircraft parts and equipment..	4.7	2.3	1.2	1.0	.3	.3	3.1	.9	.1	(2/)	3.5	3.5

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	
	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954	July 1954	June 1954
TRANSPORTATION EQUIPMENT-Continued												
Ship and boat building and repairing.....	12.1	13.2	1.9	1.8	0.8	0.5	9.2	10.6	0.3	0.3	10.6	11.2
Railroad equipment.....	8.6	11.8	.7	.8	.2	.2	7.2	9.9	.5	.9	3.4	5.0
Locomotives and parts.....	(1/)	11.6	(1/)	.4	(1/)	.1	(1/)	9.9	(1/)	1.2	(1/)	1.9
Railroad and street cars.....	9.1	11.9	.8	1.1	.2	.3	7.6	9.9	.5	.6	4.2	6.9
Other transportation equipment.....	3.2	1.6	2.8	.4	(2/)	(2/)	.4	1.1	(2/)	.1	7.3	1.9
INSTRUMENTS AND RELATED PRODUCTS.....	2.0	2.3	.7	.6	.1	.1	.9	1.4	.2	.1	1.6	2.0
Photographic apparatus.....	(1/)	1.9	(1/)	.5	(1/)	(2/)	(1/)	1.2	(1/)	.1	(1/)	1.7
Watches and clocks.....	2.2	5.0	.7	.7	.1	.1	1.3	4.0	.2	.1	3.0	2.1
Professional and scientific instruments.....	1.7	2.0	.7	.6	.1	.1	.6	1.0	.3	.2	1.2	2.3
MISCELLANEOUS MANUFACTURING INDUSTRIES.....	4.0	3.6	1.3	1.3	.2	.2	2.2	1.8	.3	.2	2.5	4.1
Jewelry, silverware, and plated ware.....	2.1	3.0	1.3	1.2	.1	.1	.7	1.5	.1	.1	1.2	1.9
NONMANUFACTURING:												
METAL MINING.....	(1/)	3.8	(1/)	2.1	(1/)	.4	(1/)	1.0	(1/)	.3	(1/)	3.5
Iron mining.....	(1/)	3.0	(1/)	.4	(1/)	(2/)	(1/)	2.4	(1/)	.1	(1/)	1.2
Copper mining.....	3.5	3.4	3.1	2.6	.2	.3	(2/)	.1	.3	.4	2.8	4.5
Lead and zinc mining.....	2.2	2.6	1.3	1.7	.2	.1	.1	.2	.6	.6	2.2	3.6
ANTHRACITE MINING.....	1.0	9.8	.5	.5	(2/)	(2/)	.3	9.1	.2	.1	1.2	.7
BITUMINOUS-COAL MINING.....	3.7	2.2	.5	.4	.1	(2/)	3.0	1.6	.1	.1	1.6	.9
COMMUNICATION:												
Telephone.....	(1/)	1.6	(1/)	1.3	(1/)	.1	(1/)	.1	(1/)	.1	(1/)	2.3
Telegraph.....	(1/)	1.5	(1/)	.9	(1/)	(2/)	(1/)	.2	(1/)	.3	(1/)	2.3

1/ Not available.

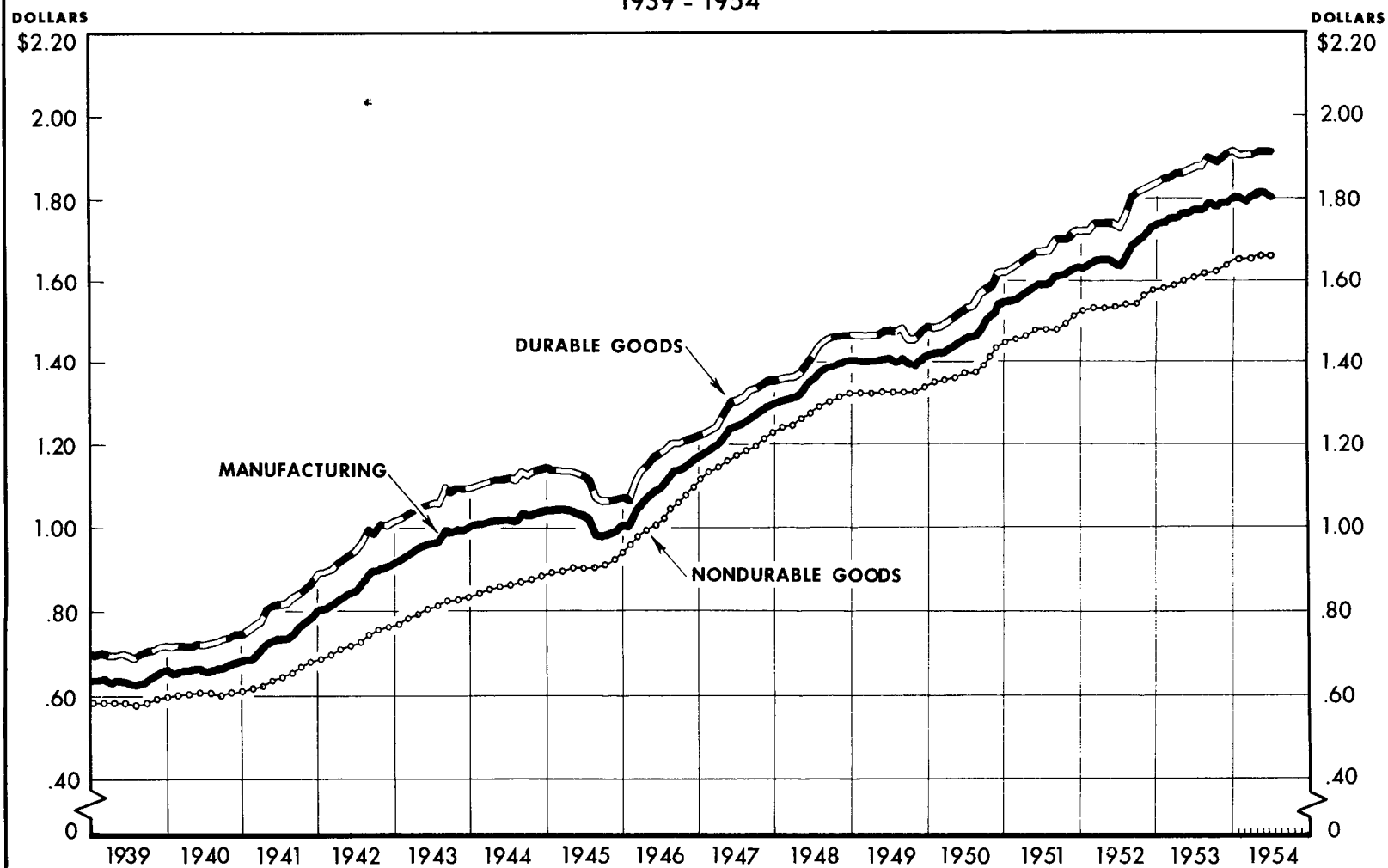
2/ Less than 0.05.

3/ Data for May are: 3.1, 0.9, 0.1, 1.9, 0.2, and 0.7.

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

GROSS AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS IN MANUFACTURING INDUSTRIES

1939 - 1954



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

LATEST DATA PLOTTED FOR JULY 1954
(Preliminary)

**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		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
MINING:									
METAL MINING.....	\$83.21	\$83.84	\$88.82	40.2	40.7	42.7	\$2.07	\$2.06	\$2.08
Iron mining.....	82.34	81.32	95.82	37.6	38.0	42.4	2.19	2.14	2.26
Copper mining.....	86.32	87.34	86.33	41.7	42.4	43.6	2.07	2.06	1.98
Lead and zinc mining.....	74.40	74.07	79.52	40.0	39.4	41.2	1.86	1.88	1.93
ANTHRACITE.....	74.09	96.20	83.89	29.4	36.3	34.1	2.52	2.65	2.46
BITUMINOUS-COAL.....	75.39	83.00	84.97	30.4	33.2	34.4	2.48	2.50	2.47
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:									
Petroleum and natural-gas production (except contract services).....	92.80	90.63	92.74	40.7	40.1	41.4	2.28	2.26	2.24
NONMETALLIC MINING AND QUARRYING.....	79.47	78.58	77.63	44.9	44.9	45.4	1.77	1.75	1.71
CONTRACT CONSTRUCTION.....	95.88	95.63	91.82	38.2	38.1	38.1	2.51	2.51	2.41
NONBUILDING CONSTRUCTION.....	97.52	96.14	92.57	42.4	41.8	41.7	2.30	2.30	2.22
Highway and street.....	95.05	91.81	88.37	43.8	42.7	42.9	2.17	2.15	2.06
Other nonbuilding construction.....	100.12	100.28	95.65	41.2	41.1	40.7	2.43	2.44	2.35
BUILDING CONSTRUCTION.....	95.09	95.72	91.64	37.0	37.1	37.1	2.57	2.58	2.47
GENERAL CONTRACTORS.....	89.67	90.04	87.14	36.9	36.9	37.4	2.43	2.44	2.33
SPECIAL-TRADE CONTRACTORS.....	99.43	99.70	95.20	37.1	37.2	36.9	2.68	2.68	2.58
Plumbing and heating.....	103.03	103.41	97.01	38.3	38.3	37.6	2.69	2.70	2.58
Painting and decorating.....	92.66	92.04	88.35	35.5	35.4	35.2	2.61	2.60	2.51
Electrical work.....	112.31	113.39	109.48	38.2	39.1	39.1	2.94	2.90	2.80
Other special-trade contractors.....	96.15	95.89	92.46	36.7	36.6	36.4	2.62	2.62	2.54
MANUFACTURING.....	70.92	71.68	71.33	39.4	39.6	40.3	1.80	1.81	1.77
DURABLE GOODS.....	75.83	76.40	76.70	39.7	40.0	40.8	1.91	1.91	1.88
NONDURABLE GOODS.....	64.74	64.57	63.76	39.0	38.9	39.6	1.66	1.66	1.61
ORDNANCE AND ACCESSORIES.....	79.40	79.40	77.87	39.9	40.1	41.2	1.99	1.98	1.89
FOOD AND KINDRED PRODUCTS.....	69.72	69.55	66.72	41.5	41.4	41.7	1.68	1.68	1.60
Meat products.....	78.17	75.85	72.85	41.8	41.0	40.7	1.87	1.85	1.79
Meat packing, wholesale.....	81.06	78.50	75.52	42.0	41.1	40.6	1.93	1.91	1.86
Sausages and casings.....	77.65	76.41	74.55	42.2	41.3	42.6	1.84	1.85	1.75
Dairy products.....	71.93	71.36	69.73	44.4	44.6	44.7	1.62	1.60	1.56
Condensed and evaporated milk.....	73.92	75.05	72.22	46.2	47.2	47.2	1.60	1.59	1.53
Ice cream and ices.....	73.92	72.14	70.68	44.0	43.2	43.9	1.68	1.67	1.61
Canning and preserving.....	54.63	53.27	54.00	39.3	38.6	40.3	1.39	1.38	1.34
Sea food, canned and cured.....	56.02	44.87	56.92	37.1	31.6	35.8	1.51	1.42	1.59
Canned fruits, vegetables, and soups.....	55.20	56.70	54.78	40.0	40.5	41.5	1.38	1.40	1.32
Grain-mill products.....	77.06	76.32	72.74	45.6	45.7	44.9	1.69	1.67	1.62
Flour and other grain-mill products.....	82.34	78.23	76.84	46.0	44.7	45.2	1.79	1.75	1.70
Prepared feeds.....	73.16	74.10	69.77	46.6	47.5	45.9	1.57	1.56	1.52
Bakery products.....	68.64	68.31	65.73	41.1	41.4	41.6	1.67	1.65	1.58
Bread and other bakery products.....	70.21	69.72	67.46	41.3	41.5	41.9	1.70	1.68	1.61
Biscuits, crackers, and pretzels.....	62.31	63.24	58.18	40.2	40.8	40.4	1.55	1.55	1.44
Sugar.....	72.92	72.63	73.79	41.2	41.5	42.9	1.77	1.75	1.72
Cane-sugar refining.....	77.28	76.86	79.56	42.0	42.0	44.2	1.84	1.83	1.80
Beet sugar.....	70.98	70.88	67.83	40.1	40.5	39.9	1.77	1.75	1.70
Confectionery and related products.....	55.58	57.17	53.10	38.6	39.7	38.2	1.44	1.44	1.39
Confectionery.....	52.44	55.04	50.65	38.0	39.6	37.8	1.38	1.39	1.34
Beverages.....	81.76	80.56	80.60	41.5	41.1	43.1	1.97	1.96	1.87
Bottled soft drinks.....	63.64	63.62	64.08	43.0	42.7	44.5	1.48	1.49	1.44
Malt liquors.....	97.00	95.30	97.45	41.1	40.9	43.7	2.36	2.33	2.23
Distilled, rectified, and blended liquors.....	75.85	74.31	71.05	39.3	38.5	38.2	1.93	1.93	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		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
FOOD AND KINDRED PRODUCTS-Continued									
Miscellaneous food products.....	\$65.78	\$65.31	\$63.57	41.9	41.6	42.1	\$1.57	\$1.57	\$1.51
Corn sirup, sugar, oil, and starch....	85.93	80.90	81.78	43.4	41.7	43.5	1.98	1.94	1.88
Manufactured ice.....	66.13	64.18	65.00	46.9	45.2	47.1	1.41	1.42	1.38
TOBACCO MANUFACTURES.....									
Cigarettes.....	51.79	51.71	47.87	37.8	38.3	37.4	1.37	1.35	1.28
Cigars.....	67.57	65.53	58.89	41.2	40.7	39.0	1.64	1.61	1.51
Tobacco and snuff.....	42.11	42.21	41.22	36.3	36.7	36.8	1.16	1.15	1.12
Tobacco stemming and redrying.....	52.20	53.02	50.63	36.5	37.6	37.5	1.43	1.41	1.35
	42.33	47.00	41.65	34.7	37.9	35.6	1.22	1.24	1.17
TEXTILE-MILL PRODUCTS.....									
Scouring and combing plants.....	51.27	51.41	53.18	37.7	37.8	39.1	1.36	1.36	1.36
Yarn and thread mills.....	65.51	65.03	66.14	43.1	40.9	41.6	1.52	1.59	1.59
Yarn mills.....	45.76	45.50	49.15	36.9	36.4	38.7	1.24	1.25	1.27
Thread mills.....	45.51	45.13	49.15	36.7	36.1	38.7	1.24	1.25	1.27
Broad-woven fabric mills.....	47.75	47.63	49.39	37.6	37.5	39.2	1.27	1.27	1.26
Cotton, silk, synthetic fiber.....	49.26	49.63	52.93	37.6	37.6	39.5	1.31	1.32	1.34
North.....	47.62	47.49	50.70	37.2	37.1	39.3	1.28	1.28	1.29
South.....	54.14	54.53	55.86	38.4	38.4	39.9	1.41	1.42	1.40
Woolen and worsted.....	46.25	46.13	49.27	37.0	36.9	39.1	1.25	1.25	1.26
Narrow fabrics and smallwares.....	60.19	62.68	64.06	39.6	40.7	40.8	1.52	1.54	1.57
Knitting mills.....	53.41	54.23	53.96	38.7	39.3	39.1	1.38	1.38	1.38
Full-fashioned hosiery.....	47.58	48.34	47.99	36.6	36.9	37.2	1.30	1.31	1.29
North.....	52.33	54.09	54.66	35.6	36.3	36.2	1.47	1.49	1.51
South.....	53.25	54.96	55.72	35.5	36.4	36.9	1.50	1.51	1.51
Seamless hosiery.....	52.12	53.58	53.40	35.7	36.2	35.6	1.46	1.48	1.50
North.....	39.85	40.63	39.79	35.9	36.6	36.5	1.11	1.11	1.09
South.....	42.71	44.25	44.01	36.5	37.5	37.3	1.17	1.18	1.18
Knit outerwear.....	39.38	40.15	38.84	35.8	36.5	36.3	1.10	1.10	1.07
Knit underwear.....	52.03	52.13	50.25	37.7	37.5	37.5	1.38	1.39	1.34
Dyeing and finishing textiles.....	44.90	45.02	44.96	36.8	36.9	38.1	1.22	1.22	1.18
Dyeing and finishing textiles (except wool).....	59.55	59.90	60.64	39.7	40.2	40.7	1.50	1.49	1.49
Carpets, rugs, other floor coverings....	59.15	59.64	60.09	39.7	40.3	40.6	1.49	1.48	1.48
Wool carpets, rugs, and carpet yarn....	68.60	68.38	69.20	39.2	39.3	40.0	1.75	1.74	1.73
Hats (except cloth and millinery).....	65.39	65.02	66.39	37.8	37.8	38.6	1.73	1.72	1.72
Miscellaneous textile goods.....	53.40	54.96	51.80	35.6	36.4	35.0	1.50	1.51	1.48
Felt goods (except woven felts and hats).....	61.39	61.69	62.73	39.1	39.8	41.0	1.57	1.55	1.53
Lace goods.....	68.73	71.40	69.19	39.5	40.8	40.7	1.74	1.75	1.70
Paddings and upholstery filling.....	60.39	60.31	62.37	36.6	37.0	38.5	1.65	1.63	1.62
Processed waste and recovered fibers...	65.80	64.71	65.94	39.4	39.7	42.0	1.67	1.63	1.57
Artificial leather, oilcloth, and other coated fabrics.....	50.87	51.29	50.88	41.7	41.7	42.4	1.22	1.23	1.20
Cordage and twine.....	74.03	79.61	80.64	40.9	43.5	44.8	1.81	1.83	1.80
	52.88	52.06	53.72	38.6	38.0	39.5	1.37	1.37	1.36
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....									
Men's and boys' suits and coats.....	47.17	46.55	47.88	35.2	35.0	36.0	1.34	1.33	1.33
Men's and boys' furnishings and work clothing.....	56.83	55.08	57.41	35.3	34.0	36.8	1.61	1.62	1.56
Shirts, collars, and nightwear.....	39.76	40.00	40.96	35.5	35.4	36.9	1.12	1.13	1.11
Separate trousers.....	39.78	39.67	41.13	35.2	34.8	36.4	1.13	1.14	1.13
Work shirts.....	41.77	40.83	43.66	35.7	34.6	37.0	1.17	1.18	1.18
Women's outerwear.....	33.37	34.04	34.22	35.5	36.6	37.2	.94	.93	.92
Women's dresses.....	50.66	48.53	52.59	34.0	33.7	34.6	1.49	1.44	1.52
Household apparel.....	48.72	47.91	48.76	33.6	33.5	34.1	1.45	1.43	1.43
Women's suits, coats, and skirts.....	37.77	38.86	38.45	35.3	34.7	35.6	1.07	1.12	1.08
Women's, children's under garments.....	66.44	60.59	68.34	33.9	32.4	34.0	1.96	1.87	2.01
Underwear and nightwear, except corsets.....	42.24	43.91	41.54	35.2	35.7	35.5	1.20	1.23	1.17
Corsets and allied garments.....	39.55	40.24	39.29	35.0	35.3	35.4	1.13	1.14	1.11
Millinery.....	46.28	48.51	44.50	35.6	36.2	35.6	1.30	1.34	1.25
Children's outerwear.....	54.54	52.33	58.55	34.3	32.5	35.7	1.59	1.61	1.64
	45.76	45.38	45.51	37.2	37.2	37.0	1.23	1.22	1.23

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		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS-Continued									
Miscellaneous apparel and accessories...	\$41.88	\$42.59	\$43.07	34.9	35.2	36.5	\$1.20	\$1.21	\$1.18
Other fabricated textile products.....	46.61	47.23	47.37	36.7	36.9	37.3	1.27	1.28	1.27
Curtains, draperies, and other housefurnishings.....	41.29	41.41	40.18	35.9	35.7	36.2	1.15	1.16	1.11
Textile bags.....	51.30	49.95	49.52	38.0	37.0	37.8	1.35	1.35	1.31
Canvas products.....	52.80	53.19	52.66	40.0	39.4	40.2	1.32	1.35	1.31
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)									
Logging camps and contractors.....	63.34	68.71	67.16	40.6	40.9	40.7	1.56	1.68	1.65
Sawmills and planing mills.....	66.70	79.18	83.84	37.9	39.2	40.5	1.76	2.02	2.07
Sawmills and planing mills, general....	64.17	68.80	65.85	41.4	41.2	40.4	1.55	1.67	1.63
South.....	64.74	69.38	66.66	41.5	41.3	40.4	1.56	1.68	1.65
West.....	45.05	44.20	43.98	42.9	42.5	42.7	1.05	1.04	1.03
Millwork, plywood, and prefabricated structural wood products.....	85.47	86.76	83.11	38.5	39.8	38.3	2.22	2.18	2.17
Millwork.....	68.97	71.90	68.31	41.3	41.8	41.4	1.67	1.72	1.65
Plywood.....	70.90	71.99	68.72	42.2	42.6	41.9	1.68	1.69	1.64
Wooden containers.....	64.80	71.81	69.89	40.0	40.8	41.6	1.62	1.76	1.68
Wooden boxes, other than cigar.....	49.23	51.16	51.28	39.7	40.6	40.7	1.24	1.26	1.26
Miscellaneous wood products.....	49.08	51.56	51.25	39.9	40.6	41.0	1.23	1.27	1.25
FURNITURE AND FIXTURES	53.33	55.08	55.06	39.8	40.8	41.4	1.34	1.35	1.33
Household furniture.....	62.02	62.17	61.05	39.5	39.6	39.9	1.57	1.57	1.53
Wood household furniture, except upholstered.....	59.04	59.19	58.21	39.1	39.2	39.6	1.51	1.51	1.47
Wood household furniture, upholstered..	52.92	54.26	54.40	39.2	39.9	40.9	1.35	1.36	1.33
Mattresses and bedsprings.....	62.05	61.13	61.56	38.3	37.5	38.0	1.62	1.63	1.62
Office, public-building, and professional furniture.....	67.20	65.63	64.68	40.0	39.3	39.2	1.68	1.67	1.65
Wood office furniture.....	69.32	69.32	69.19	40.3	40.3	40.7	1.72	1.72	1.70
Metal office furniture.....	58.84	58.80	59.28	40.3	39.2	39.0	1.46	1.50	1.52
Partitions, shelving, lockers, and fixtures.....	74.29	77.14	72.71	39.1	40.6	39.3	1.90	1.90	1.85
Screens, blinds, and miscellaneous furniture and fixtures.....	74.80	75.14	70.56	40.0	40.4	39.2	1.87	1.86	1.80
PAPER AND ALLIED PRODUCTS	64.17	64.74	61.42	41.4	41.5	41.5	1.55	1.56	1.48
Pulp, paper, and paperboard mills.....	74.20	74.20	73.44	42.4	42.4	43.2	1.75	1.75	1.70
Paperboard containers and boxes.....	81.03	79.79	80.10	43.8	43.6	44.5	1.85	1.83	1.80
Paperboard boxes.....	68.47	69.14	67.36	41.0	41.4	42.1	1.67	1.67	1.60
Fiber cans, tubes, and drums.....	67.82	69.06	66.94	41.1	41.6	42.1	1.65	1.66	1.59
Other paper and allied products.....	74.00	72.47	71.72	40.0	39.6	41.7	1.85	1.83	1.72
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	66.67	66.83	65.31	40.9	41.0	41.6	1.63	1.63	1.57
Newspapers.....	86.78	86.94	84.75	38.4	38.3	38.7	2.26	2.27	2.19
Periodicals.....	92.26	93.50	90.36	35.9	36.1	36.0	2.57	2.59	2.51
Books.....	88.03	85.63	85.84	39.3	38.4	40.3	2.24	2.23	2.13
Commercial printing.....	75.85	75.66	72.35	39.1	39.2	38.9	1.94	1.93	1.86
Lithographing.....	85.93	85.02	83.60	39.6	39.0	40.0	2.17	2.18	2.09
Greeting cards.....	89.35	88.91	87.34	40.8	40.6	41.2	2.19	2.19	2.12
Bookbinding and related industries.....	52.08	51.65	45.23	37.2	37.7	35.9	1.40	1.37	1.26
Miscellaneous publishing and printing services.....	67.77	68.34	65.86	39.4	39.5	39.2	1.72	1.73	1.68
CHEMICALS AND ALLIED PRODUCTS	103.18	103.60	103.23	38.5	38.8	39.4	2.68	2.67	2.62
Industrial inorganic chemicals.....	78.94	79.10	76.63	40.9	41.2	41.2	1.93	1.92	1.86
Alkalies and chlorine.....	86.48	85.89	83.21	40.6	40.9	41.4	2.13	2.10	2.01
Industrial organic chemicals.....	83.10	81.58	84.64	39.2	39.6	41.9	2.12	2.06	2.02
Plastics, except synthetic rubber.....	84.24	84.05	81.59	40.5	41.0	41.0	2.08	2.05	1.99
Synthetic rubber.....	82.81	83.60	82.68	41.2	41.8	42.4	2.01	2.00	1.95
Synthetic fibers.....	91.39	90.76	87.91	40.8	40.7	40.7	2.24	2.23	2.16
Explosives.....	75.11	74.07	71.38	40.6	40.7	40.1	1.85	1.82	1.78
	76.05	78.40	76.02	38.8	40.0	39.8	1.96	1.96	1.91

See footnotes at end of table.

Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
CHEMICALS AND ALLIED PRODUCTS-Continued									
Drugs and medicines.....	\$70.35	\$71.81	\$68.28	40.2	40.8	40.4	\$1.75	\$1.76	\$1.69
Soap, cleaning and polishing preparations.....	81.19	81.97	76.52	40.8	41.4	40.7	1.99	1.98	1.88
Soap and glycerin.....	88.94	89.19	83.43	40.8	41.1	40.5	2.18	2.17	2.06
Paints, pigments, and fillers.....	79.46	79.04	76.31	41.6	41.6	41.7	1.91	1.90	1.83
Paints, varnishes, lacquers, and enamels.....	77.00	77.00	74.70	41.4	41.4	41.5	1.86	1.86	1.80
Gum and wood chemicals.....	69.17	67.73	66.50	43.5	42.6	42.9	1.59	1.59	1.55
Fertilizers.....	62.31	61.90	59.92	42.1	42.4	42.2	1.48	1.46	1.42
Vegetable and animal oils and fats.....	70.49	69.89	67.18	44.9	44.8	44.2	1.57	1.56	1.52
Vegetable oils.....	64.82	64.53	61.92	43.8	44.2	42.7	1.48	1.46	1.45
Animal oils and fats.....	78.88	77.98	73.92	46.4	45.6	46.2	1.70	1.71	1.60
Miscellaneous chemicals.....	70.80	71.10	69.60	40.0	40.4	40.7	1.77	1.76	1.71
Essential oils, perfumes, cosmetics....	58.90	60.58	56.17	38.0	38.9	37.7	1.55	1.56	1.49
Compressed and liquified gases.....	82.52	81.71	81.18	42.1	41.9	42.5	1.96	1.95	1.91
PRODUCTS OF PETROLEUM AND COAL.....	94.12	93.98	92.32	41.1	41.4	41.4	2.29	2.27	2.23
Petroleum refining.....	97.27	97.17	96.00	40.7	41.0	41.2	2.39	2.37	2.33
Coke and other petroleum and coal products.....	83.10	83.27	80.60	42.4	42.7	42.2	1.96	1.95	1.91
RUBBER PRODUCTS.....	77.03	79.60	78.98	39.5	40.2	40.5	1.95	1.98	1.95
Tires and inner tubes.....	87.46	92.06	90.45	38.7	40.2	40.2	2.26	2.29	2.25
Rubber footwear.....	68.45	67.30	68.64	40.5	40.3	41.1	1.69	1.67	1.67
Other rubber products.....	70.45	70.98	70.64	39.8	40.1	40.6	1.77	1.77	1.74
LEATHER AND LEATHER PRODUCTS.....	51.38	51.01	51.82	37.5	36.7	38.1	1.37	1.39	1.36
Leather: tanned, curried, and finished..	68.43	69.70	68.46	39.1	39.6	39.8	1.75	1.76	1.72
Industrial leather belting and packing..	62.59	65.01	63.68	38.4	39.4	39.8	1.63	1.65	1.60
Boot and shoe cut stock and findings....	50.01	50.12	50.95	37.6	37.4	38.6	1.33	1.34	1.32
Footwear (except rubber).....	48.73	47.75	49.65	37.2	35.9	37.9	1.31	1.33	1.31
Luggage.....	57.72	58.11	56.26	39.0	39.0	38.8	1.48	1.49	1.45
Handbags and small leather goods.....	46.62	47.13	45.99	37.9	37.7	37.7	1.23	1.25	1.22
Gloves and miscellaneous leather goods..	43.67	43.65	42.83	35.5	35.2	35.4	1.23	1.24	1.21
STONE, CLAY, AND GLASS PRODUCTS.....	71.51	70.70	70.58	40.4	40.4	40.8	1.77	1.75	1.73
Flat glass.....	96.71	96.64	96.46	39.8	40.1	40.7	2.43	2.41	2.37
Glass and glassware, pressed or blown...	69.48	69.45	67.08	38.6	38.8	39.0	1.80	1.79	1.72
Glass containers.....	71.16	72.83	67.73	39.1	39.8	38.7	1.82	1.83	1.75
Pressed and blown glass.....	67.11	65.25	65.80	37.7	37.5	39.4	1.78	1.74	1.67
Glass products made of purchased glass..	60.10	58.29	57.28	39.8	38.6	39.5	1.51	1.51	1.45
Cement, hydraulic.....	78.44	77.10	76.26	41.5	41.9	41.9	1.89	1.84	1.82
Structural clay products.....	66.01	66.33	65.41	41.0	41.2	41.4	1.61	1.61	1.58
Brick and hollow tile.....	64.48	65.23	62.35	42.7	43.2	43.0	1.51	1.51	1.45
Floor and wall tile.....	68.85	70.18	68.64	40.5	40.8	41.1	1.70	1.72	1.67
Sewer pipe.....	68.80	67.57	66.91	41.2	41.2	41.3	1.67	1.64	1.62
Clay refractories.....	66.06	64.98	68.20	36.7	36.1	38.1	1.80	1.80	1.79
Pottery and related products.....	58.14	59.95	60.92	34.4	35.9	36.7	1.69	1.67	1.66
Concrete, gypsum, and plaster products..	76.33	73.54	73.37	44.9	44.3	44.2	1.70	1.66	1.66
Concrete products.....	73.68	72.45	71.72	45.2	45.0	44.0	1.63	1.61	1.63
Cut-stone and stone products.....	63.99	63.18	64.02	40.5	40.5	41.3	1.58	1.56	1.55
Miscellaneous nonmetallic mineral products.....	73.66	73.47	73.35	39.6	39.5	40.3	1.86	1.86	1.82
Abrasive products.....	76.44	75.27	78.01	38.8	38.8	39.6	1.97	1.94	1.97
Asbestos products.....	79.38	79.71	77.51	42.0	42.4	43.3	1.89	1.88	1.79
Nonclay refractories.....	63.24	60.28	70.72	32.1	30.6	35.9	1.97	1.97	1.97
PRIMARY METAL INDUSTRIES.....	81.24	80.70	85.07	38.5	38.8	40.9	2.11	2.08	2.08
Blast furnaces, steel works, and rolling mills.....	84.67	83.22	89.76	37.8	38.0	40.8	2.24	2.19	2.20
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	84.67	83.22	89.76	37.8	38.0	40.8	2.24	2.19	2.20
Electrometallurgical products.....	80.20	79.00	83.82	39.9	39.7	41.7	2.01	1.99	2.01

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		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
PRIMARY METAL INDUSTRIES-Continued									
Iron and steel foundries.....	\$72.77	\$73.53	\$77.33	38.5	38.7	40.7	\$1.89	\$1.90	\$1.90
Gray-iron foundries.....	72.73	73.30	75.89	39.1	39.2	40.8	1.86	1.87	1.86
Malleable-iron foundries.....	69.36	71.25	78.09	36.7	37.7	41.1	1.89	1.89	1.90
Steel foundries.....	74.84	74.45	79.19	37.8	37.6	40.2	1.98	1.98	1.97
Primary smelting and refining of nonferrous metals.....	80.00	79.39	80.34	40.0	40.3	41.2	2.00	1.97	1.95
Primary smelting and refining of copper, lead, and zinc.....	76.62	76.21	79.84	39.7	39.9	41.8	1.93	1.91	1.91
Primary refining of aluminum.....	85.24	84.45	80.00	40.4	40.6	40.0	2.11	2.08	2.00
Secondary smelting and refining of nonferrous metals.....	73.49	75.12	71.69	40.6	41.5	40.5	1.81	1.81	1.77
Rolling, drawing, and alloying of nonferrous metals.....	79.60	81.19	82.29	40.0	40.8	42.2	1.99	1.99	1.95
Rolling, drawing, and alloying of copper.....	81.40	82.01	86.37	40.7	40.8	43.4	2.00	2.01	1.99
Rolling, drawing, and alloying of aluminum.....	75.85	79.77	75.60	38.5	40.7	40.0	1.97	1.96	1.89
Nonferrous foundries.....	76.17	79.19	80.59	38.7	39.4	40.7	2.02	2.01	1.98
Miscellaneous primary metal industries..	84.10	85.39	85.89	39.3	39.9	40.9	2.14	2.14	2.10
Iron and steel forgings.....	84.64	84.42	88.99	38.3	38.2	41.2	2.21	2.21	2.16
Wire drawing.....	84.38	86.92	84.45	39.8	41.0	40.6	2.12	2.12	2.08
Welded and heavy-riveted pipe.....	85.03	86.09	82.18	40.3	40.8	39.7	2.11	2.11	2.07
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....									
Tin cans and other tinware.....	76.00	76.92	76.41	40.0	40.7	41.3	1.90	1.89	1.85
Cutlery, hand tools, and hardware.....	82.54	83.13	78.32	41.9	42.2	42.8	1.97	1.97	1.83
Cutlery and edge tools.....	72.31	72.65	73.21	39.3	39.7	40.9	1.84	1.83	1.79
Hand tools.....	64.68	65.74	65.29	39.2	39.6	40.3	1.65	1.66	1.62
Hardware.....	71.23	72.13	74.34	38.5	39.2	41.3	1.85	1.84	1.80
Heating apparatus (except electric) and plumbers' supplies.....	75.03	75.01	75.03	39.7	39.9	41.0	1.89	1.88	1.83
Sanitary ware and plumbers' supplies...	72.34	74.59	72.98	39.1	40.1	40.1	1.85	1.86	1.82
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	75.83	77.79	74.09	39.7	40.1	39.2	1.91	1.94	1.89
Fabricated structural metal products...	70.80	73.38	72.50	38.9	40.1	40.5	1.82	1.83	1.79
Structural steel and ornamental metal work.....	79.32	80.06	79.00	41.1	41.7	41.8	1.93	1.92	1.89
Metal doors, sash, frames, molding, and trim.....	79.84	81.75	79.71	41.8	42.8	42.4	1.91	1.91	1.88
Boiler-shop products.....	79.93	79.10	78.44	41.2	41.2	41.5	1.94	1.92	1.89
Sheet-metal work.....	77.79	78.74	80.98	40.1	40.8	42.4	1.94	1.93	1.91
Metal stamping, coating, and engraving..	79.54	79.93	75.79	41.0	41.2	40.1	1.94	1.94	1.89
Vitreous-enameled products.....	76.83	79.58	78.88	39.2	40.6	41.3	1.96	1.96	1.91
Stamped and pressed metal products.....	56.29	59.01	63.45	35.4	36.2	41.2	1.59	1.63	1.54
Lighting fixtures.....	79.19	82.21	82.15	39.4	40.9	41.7	2.01	2.01	1.97
Fabricated wire products.....	71.28	71.10	71.42	39.6	39.5	39.9	1.80	1.80	1.79
Miscellaneous fabricated metal products.	73.12	72.80	72.22	40.4	40.0	39.9	1.81	1.82	1.81
Metal shipping barrels, drums, kegs, and pails.....	73.84	74.56	77.78	39.7	40.3	42.5	1.86	1.85	1.83
Steel springs.....	83.62	84.84	82.52	41.6	42.0	42.1	2.01	2.02	1.96
Bolts, nuts, washers, and rivets.....	75.83	77.81	82.12	38.3	39.1	41.9	1.98	1.99	1.96
Screw-machine products.....	72.95	73.68	78.26	38.6	39.4	42.3	1.89	1.87	1.85
MACHINERY (EXCEPT ELECTRICAL).....	72.47	73.93	79.97	39.6	40.4	43.7	1.83	1.83	1.83
Engines and turbines.....	80.60	81.41	81.73	40.1	40.5	41.7	2.01	2.01	1.96
Steam engines, turbines, and water wheels.....	85.22	83.81	83.43	40.2	40.1	40.5	2.12	2.09	2.06
Diesel and other internal-combustion engines, not elsewhere classified....	92.57	86.14	83.98	40.6	38.8	38.0	2.28	2.22	2.21
Agricultural machinery and tractors.....	82.61	83.23	83.43	40.1	40.6	41.3	2.06	2.05	2.02
Tractors.....	77.03	78.41	75.85	39.3	39.8	39.3	1.96	1.97	1.93
Agricultural machinery (except tractors).....	78.78	78.78	77.22	39.0	39.0	39.0	2.02	2.02	1.98
	75.45	77.97	74.45	39.5	40.4	39.6	1.91	1.93	1.88

See footnotes at end of table.

Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
MACHINERY (EXCEPT ELECTRICAL)-Continued									
Construction and mining machinery.....	\$76.62	\$79.95	\$78.47	39.7	41.0	41.3	\$1.93	\$1.95	\$1.90
Construction and mining machinery, except for oil fields.....	75.84	78.98	77.90	39.5	40.5	41.0	1.92	1.95	1.90
Oil-field machinery and tools.....	78.79	82.52	80.22	40.2	42.1	42.0	1.96	1.96	1.91
Metalworking machinery.....	92.40	92.64	93.18	42.0	42.3	44.8	2.20	2.19	2.08
Machine tools.....	85.07	87.36	91.15	40.9	41.8	44.9	2.08	2.09	2.03
Metalworking machinery (except machine tools).....	85.90	84.87	89.93	41.1	41.0	44.3	2.09	2.07	2.03
Machine-tool accessories.....	99.79	99.36	96.30	43.2	43.2	45.0	2.31	2.30	2.14
Special-industry machinery (except metalworking machinery).....	77.78	78.55	80.37	40.3	40.7	42.3	1.93	1.93	1.90
Food-products machinery.....	79.18	79.97	82.75	40.4	40.8	43.1	1.96	1.96	1.92
Textile machinery.....	67.16	69.65	69.60	38.6	39.8	40.0	1.74	1.75	1.74
Paper-industries machinery.....	81.56	83.28	81.97	42.7	43.6	43.6	1.91	1.91	1.88
Printing-trades machinery and equipment.....	91.80	87.53	93.93	42.5	40.9	44.1	2.16	2.14	2.13
General industrial machinery.....	79.40	80.19	82.60	40.1	40.5	42.8	1.98	1.98	1.93
Pumps, air and gas compressors.....	77.60	77.60	80.83	40.0	40.0	42.1	1.94	1.94	1.92
Conveyors and conveying equipment.....	85.67	82.61	85.36	42.2	41.1	44.0	2.03	2.01	1.94
Blowers, exhaust and ventilating fans..	74.05	74.93	75.58	39.6	40.5	42.7	1.87	1.85	1.77
Industrial trucks, tractors, etc.....	75.45	78.78	83.50	38.3	40.4	42.6	1.97	1.95	1.96
Mechanical power-transmission equipment.....	78.61	80.00	85.50	39.5	40.2	43.4	1.99	1.99	1.97
Mechanical stokers and industrial furnaces and ovens.....	78.21	80.00	77.46	39.3	39.8	41.2	1.99	2.01	1.88
Office and store machines and devices...	80.00	78.41	77.01	39.8	39.6	39.9	2.01	1.98	1.93
Computing machines and cash registers..	88.07	84.10	83.01	40.4	39.3	40.1	2.18	2.14	2.07
Typewriters.....	71.74	73.63	70.98	39.2	39.8	40.1	1.83	1.85	1.77
Service-industry and household machines.	74.88	75.85	78.96	38.6	39.1	40.7	1.94	1.94	1.94
Domestic laundry equipment.....	80.15	75.27	74.88	41.1	38.6	38.6	1.95	1.95	1.94
Commercial laundry, dry-cleaning, and pressing machines.....	71.89	74.56	76.74	39.5	40.3	42.4	1.82	1.85	1.81
Sewing machines.....	80.19	79.80	77.99	39.7	40.1	40.2	2.02	1.99	1.94
Refrigerators and air-conditioning units.....	73.14	75.86	80.16	37.7	38.9	40.9	1.94	1.95	1.96
Miscellaneous machinery parts.....	77.21	77.79	76.17	39.8	40.1	40.3	1.94	1.94	1.89
Fabricated pipe, fittings, and valves..	76.83	78.20	73.13	39.4	40.1	38.9	1.95	1.95	1.88
Ball and roller bearings.....	75.27	75.46	76.95	39.0	39.1	40.5	1.93	1.93	1.90
Machine shops (job and repair).....	78.94	79.32	78.77	40.9	41.1	41.9	1.93	1.93	1.88
ELECTRICAL MACHINERY.....	71.16	72.07	70.58	39.1	39.6	40.1	1.82	1.82	1.76
Electrical generating, transmission, distribution, and industrial apparatus..	75.84	76.61	77.11	39.5	39.9	40.8	1.92	1.92	1.89
Wiring devices and supplies.....	66.18	66.47	67.37	38.7	39.1	40.1	1.71	1.70	1.68
Carbon and graphite products (electrical).....	73.49	74.07	78.44	39.3	39.4	41.5	1.87	1.88	1.89
Electrical indicating, measuring, and recording instruments.....	72.98	72.98	72.90	40.1	40.1	40.5	1.82	1.82	1.80
Motors, generators, and motor-generator sets.....	80.78	80.99	82.62	39.6	39.7	40.9	2.04	2.04	2.02
Power and distribution transformers....	76.63	78.59	75.58	39.5	40.3	40.2	1.94	1.95	1.88
Switchgear, switchboard, and industrial controls.....	74.43	75.36	75.12	39.8	40.3	41.5	1.87	1.87	1.81
Electrical welding apparatus.....	82.00	83.42	84.82	40.0	41.5	42.2	2.05	2.01	2.01
Electrical appliances.....	75.65	74.68	75.36	39.4	39.1	40.3	1.92	1.91	1.87
Insulated wire and cable.....	70.24	69.77	70.86	40.6	40.1	41.2	1.73	1.74	1.72
Electrical equipment for vehicles.....	72.39	75.26	75.20	37.9	39.2	40.0	1.91	1.92	1.88
Electric lamps.....	60.42	63.69	61.78	36.4	38.6	39.1	1.66	1.65	1.58
Communication equipment.....	67.47	68.51	65.34	39.0	39.6	39.6	1.73	1.73	1.65
Radios, phonographs, television sets, and equipment.....	67.03	67.32	63.50	39.2	39.6	39.2	1.71	1.70	1.62
Radio tubes.....	61.99	63.27	62.22	38.5	39.3	40.4	1.61	1.61	1.54
Telephone, telegraph, and related equipment.....	77.81	79.40	77.59	39.3	39.9	40.2	1.98	1.99	1.93

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		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
ELECTRICAL MACHINERY-Continued									
Miscellaneous electrical products.....	\$68.60	\$69.52	\$67.70	39.2	39.5	40.3	\$1.75	\$1.76	\$1.68
Storage batteries.....	76.64	79.00	79.76	39.3	40.1	42.2	1.95	1.97	1.89
Primary batteries (dry and wet).....	58.35	59.19	57.17	38.9	39.2	39.7	1.50	1.51	1.44
X-ray and non-radio electronic tubes...	80.40	76.62	68.11	40.4	39.7	38.7	1.99	1.93	1.76
TRANSPORTATION EQUIPMENT.....	84.38	84.59	84.86	39.8	39.9	40.8	2.12	2.12	2.08
Automobiles.....	85.06	85.28	87.91	39.2	39.3	40.7	2.17	2.17	2.16
Motor vehicles, bodies, parts, and accessories.....	85.85	85.85	88.32	39.2	39.2	40.7	2.19	2.19	2.17
Truck and bus bodies.....	72.58	77.71	73.12	38.4	40.9	40.4	1.89	1.90	1.81
Trailers (truck and automobile).....	74.87	78.91	71.74	39.2	41.1	39.2	1.91	1.92	1.83
Aircraft and parts.....	84.86	84.86	82.59	40.8	40.8	41.5	2.08	2.08	1.99
Aircraft.....	85.07	84.86	80.57	40.9	40.8	40.9	2.08	2.08	1.97
Aircraft engines and parts.....	86.51	84.65	86.68	41.0	40.5	42.7	2.11	2.09	2.03
Aircraft propellers and parts.....	79.87	80.26	84.66	38.4	38.4	41.5	2.08	2.09	2.04
Other aircraft parts and equipment....	83.84	84.87	84.38	40.5	41.2	42.4	2.07	2.06	1.99
Ship and boat building and repairing....	80.32	80.55	80.98	38.8	39.1	39.5	2.07	2.06	2.05
Ship building and repairing.....	82.43	82.64	82.53	38.7	38.8	39.3	2.13	2.13	2.10
Boat building and repairing.....	68.99	71.23	70.93	39.2	40.7	40.3	1.76	1.75	1.76
Railroad equipment.....	80.81	81.45	77.99	38.3	38.6	38.8	2.11	2.11	2.01
Locomotives and parts.....	84.16	85.22	78.16	39.7	40.2	38.5	2.12	2.12	2.03
Railroad and street cars.....	78.49	78.33	78.00	37.2	37.3	39.0	2.11	2.10	2.00
Other transportation equipment.....	71.19	77.27	70.31	38.9	41.1	39.5	1.83	1.88	1.78
INSTRUMENTS AND RELATED PRODUCTS.....	72.65	72.83	71.86	39.7	39.8	40.6	1.83	1.83	1.77
Laboratory, scientific, and engineering instruments.....	82.80	82.59	82.40	40.0	39.9	40.0	2.07	2.07	2.06
Mechanical measuring and controlling instruments.....	74.05	74.77	71.96	39.6	40.2	40.2	1.87	1.86	1.79
Optical instruments and lenses.....	74.64	75.41	78.26	39.7	39.9	42.3	1.88	1.89	1.85
Surgical, medical, and dental instruments.....	66.07	67.13	67.65	39.8	40.2	41.5	1.66	1.67	1.63
Ophthalmic goods.....	58.35	58.50	57.67	38.9	39.0	39.5	1.50	1.50	1.46
Photographic apparatus.....	79.59	80.98	75.36	40.4	40.9	40.3	1.97	1.98	1.87
Watches and clocks.....	64.57	61.66	66.98	38.9	37.6	41.6	1.66	1.64	1.61
MISCELLANEOUS MANUFACTURING INDUSTRIES...	62.56	63.36	61.93	39.1	39.6	39.7	1.60	1.60	1.56
Jewelry, silverware, and plated ware....	64.06	65.85	65.28	39.3	40.4	40.8	1.63	1.63	1.60
Jewelry and findings.....	60.30	62.93	60.70	38.9	40.6	40.2	1.55	1.55	1.51
Silverware and plated ware.....	71.20	70.62	73.50	40.0	39.9	42.0	1.78	1.77	1.75
Musical instruments and parts.....	69.63	71.06	68.78	38.9	39.7	39.3	1.79	1.79	1.75
Toys and sporting goods.....	56.92	57.66	58.20	38.2	38.7	38.8	1.49	1.49	1.50
Games, toys, dolls, and children's vehicles.....	56.39	57.28	57.45	38.1	38.7	38.3	1.48	1.48	1.50
Sporting and athletic goods.....	57.98	58.20	59.00	38.4	38.8	39.6	1.51	1.50	1.49
Pens, pencils, and other office supplies.....	59.20	61.05	57.38	40.0	40.7	39.3	1.48	1.50	1.46
Costume jewelry, buttons, notions.....	56.21	57.77	55.39	38.5	39.3	38.2	1.46	1.47	1.45
Fabricated plastics products.....	67.94	67.20	66.91	40.2	40.0	41.3	1.69	1.68	1.62
Other manufacturing industries.....	65.46	66.30	64.24	39.2	39.7	39.9	1.67	1.67	1.61

See footnotes at end of table.

Hours and Earnings

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

Industry group and industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953	July 1954	June 1954	July 1953
TRANSPORTATION AND PUBLIC UTILITIES:									
TRANSPORTATION:									
Class I railroads.....	(1/)	\$79.84	\$78.31	(1/)	41.8	42.1	(1/)	\$1.91	\$1.86
Local railways and bus lines.....	\$78.14	79.10	77.92	42.7	43.7	45.3	\$1.83	1.81	1.72
COMMUNICATION:									
Telephone.....	68.60	67.34	64.35	39.2	38.7	39.0	1.75	1.74	1.65
Switchboard operating employees 2/...	57.30	56.39	54.38	37.7	37.1	37.5	1.52	1.52	1.45
Line construction, installation, and maintenance employees 3/.....	97.18	94.75	90.95	43.0	42.3	42.3	2.26	2.24	2.15
Telegraph 4/.....	77.15	77.15	74.76	41.7	41.7	42.0	1.85	1.85	1.78
OTHER PUBLIC UTILITIES:									
Gas and electric utilities.....	84.44	82.40	81.32	41.8	41.2	41.7	2.02	2.00	1.95
WHOLESALE AND RETAIL TRADE:									
WHOLESALE TRADE.....	74.52	73.93	72.09	40.5	40.4	40.5	1.84	1.83	1.78
RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....	58.51	57.38	56.26	39.8	39.3	39.9	1.47	1.46	1.41
General merchandise stores.....	42.24	41.30	40.07	36.1	35.3	36.1	1.17	1.17	1.11
Department stores and general mail-order houses.....	47.84	47.06	45.86	36.8	36.2	36.4	1.30	1.30	1.26
Food and liquor stores.....	62.57	60.92	60.25	39.6	38.8	39.9	1.58	1.57	1.51
Automotive and accessories dealers.....	76.37	76.37	74.98	44.4	44.4	44.9	1.72	1.72	1.67
Apparel and accessories stores.....	47.42	46.51	45.61	36.2	35.5	36.2	1.31	1.31	1.26
Other retail trade:									
Furniture and appliance stores.....	63.30	63.30	62.31	42.2	42.2	42.1	1.50	1.50	1.48
Lumber and hardware supply stores.....	67.86	67.70	65.10	43.5	43.4	43.4	1.56	1.56	1.50
FINANCE, INSURANCE, AND REAL ESTATE:									
Banks and trust companies.....	57.35	57.09	54.90	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)
Security dealers and exchanges.....	94.20	92.97	81.72	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)
Insurance carriers.....	70.24	69.78	68.73	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)
SERVICE AND MISCELLANEOUS:									
Hotels and lodging places:									
Hotels, year-round 5/.....	40.22	39.81	38.40	41.9	41.9	42.2	.96	.95	.91
Personal services:									
Laundries.....	40.00	40.50	39.30	40.0	40.5	40.1	1.00	1.00	.98
Cleaning and dyeing plants.....	46.02	49.20	44.69	39.0	41.0	39.2	1.18	1.20	1.14
Motion pictures:									
Motion-picture production and distribution.....	103.27	101.81	91.13	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)

1/ Not available.

2/ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. During 1953 such employees made up 45 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data.

3/ Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. During 1953 such employees made up 24 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data.

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

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

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

Period	Manufacturing		Bituminous-coal mining		Laundries		Period	Manufacturing		Bituminous-coal mining		Laundries	
	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars		Current dollars	1947-49 dollars	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars
Annual average:							Monthly data: 1953						
1939...	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	June...	\$72.04	\$62.92	\$91.25	\$79.69	\$40.08	\$35.00
1940...	25.20	42.07	24.71	41.25	17.93	29.93							
1941...	29.58	47.03	30.86	49.06	18.69	29.71	July...	71.33	62.19	84.97	74.08	39.30	34.26
							Aug....	71.69	62.34	92.88	80.77	39.10	34.00
1942...	36.65	52.58	35.02	50.24	20.34	29.18	Sept....	71.42	62.00	86.15	74.78	39.80	34.55
1943...	43.14	58.30	41.62	56.24	23.08	31.19	Oct....	72.14	62.51	89.78	77.80	39.70	34.40
1944...	46.08	61.28	51.27	68.18	25.95	34.51	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
1945...	44.39	57.72	52.25	67.95	27.73	36.06							
1946...	43.82	52.54	58.03	69.58	30.20	36.21	1954						
1947...	49.97	52.32	66.59	69.73	32.71	34.25	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
1948...	54.14	52.67	72.12	70.16	34.23	33.30	Mar....	70.71	61.59	73.06	63.64	39.60	34.49
1949...	54.92	53.95	63.28	62.16	34.98	34.36	Apr....	70.20	61.26	71.67	62.54	40.80	35.60
1950...	59.33	57.71	70.35	68.43	35.47	34.50	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
1951...	64.71	58.30	77.79	70.08	37.81	34.06							
1952...	67.97	59.89	78.09	68.80	38.63	34.04	July...	70.92	61.56	75.39	65.44	40.00	34.72
1953...	71.69	62.67	85.31	74.57	39.69	34.69							

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

Period	Gross average weekly earnings		Net spendable average weekly earnings				Period	Gross average weekly earnings		Net spendable average weekly earnings			
	Amount	Index (1947-49 =100)	Worker with no dependents		Worker with 3 dependents			Amount	Index (1947-49 =100)	Worker with no dependents		Worker with 3 dependents	
			Current dollars	1947-49 dollars	Current dollars	1947-49 dollars				Current dollars	1947-49 dollars	Current dollars	1947-49 dollars
Annual average:							Monthly data: 1953						
1939....	\$23.86	45.1	\$23.58	\$39.70	\$23.62	\$39.76	June...	\$72.04	136.1	\$58.81	\$51.36	\$66.86	\$58.39
1940....	25.20	47.6	24.69	41.22	24.95	41.65							
1941....	29.58	55.9	28.05	44.59	29.28	46.55	July...	71.33	134.7	58.26	50.79	66.29	57.79
							Aug....	71.69	135.4	58.54	50.90	66.58	57.90
1942....	36.65	69.2	31.77	45.58	36.28	52.05	Sept....	71.42	134.9	58.33	50.63	66.36	57.60
1943....	43.14	81.5	36.01	48.66	41.39	55.93	Oct....	72.14	136.2	58.89	51.03	66.94	58.01
1944....	46.08	87.0	38.29	50.92	44.06	58.59	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
1945....	44.39	83.8	36.97	48.08	42.74	55.58							
1946....	43.82	82.8	37.72	45.23	43.20	51.80	1954						
1947....	49.97	94.4	42.76	44.77	48.24	50.51	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
1948....	54.14	102.2	47.43	46.14	53.17	51.72	Mar....	70.71	133.5	58.63	51.07	65.83	57.34
1949. .	54.92	103.7	48.09	47.24	53.83	52.88	Apr....	70.20	132.6	58.22	50.80	65.41	57.08
1950. .	59.33	112.0	51.09	49.70	57.21	55.65	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
1951....	64.71	122.2	54.04	48.68	61.28	55.21							
1952....	67.97	128.4	55.66	49.04	63.62	56.05	July...	70.92	133.9	58.80	51.04	66.00	57.29
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
<u>Annual average:</u>							
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	1/.963	1/74.8	1.111	1/1.042	.904	1/.858
1946.....	1.086	1.051	81.6	1.156	1.122	1.015	.981
1947.....	1.237	1.198	93.0	1.292	1.250	1.171	1.133
1948.....	1.350	1.310	101.7	1.410	1.366	1.278	1.241
1949.....	1.401	1.367	106.1	1.469	1.434	1.325	1.292
1950.....	1.465	1.415	109.9	1.537	1.480	1.378	1.337
1951.....	1.59	1.53	118.8	1.67	1.60	1.48	1.43
1952.....	1.67	1.61	125.0	1.77	1.70	1.54	1.49
1953.....	1.77	1.71	132.8	1.87	1.80	1.61	1.56
<u>Monthly data:</u>							
1953: June...	1.77	1.70	132.0	1.87	1.80	1.60	1.56
July...	1.77	1.71	132.8	1.88	1.82	1.61	1.56
Aug....	1.77	1.71	132.8	1.88	1.81	1.61	1.56
Sept...	1.79	1.73	134.3	1.90	1.84	1.63	1.58
Oct....	1.79	1.73	134.3	1.90	1.83	1.62	1.58
Nov....	1.79	1.74	135.1	1.89	1.83	1.63	1.59
Dec....	1.80	1.74	135.1	1.90	1.84	1.64	1.59
1954: Jan....	1.80	1.76	136.6	1.91	1.86	1.65	1.61
Feb....	1.80	1.75	135.9	1.90	1.85	1.65	1.61
Mar....	1.79	1.75	135.9	1.90	1.85	1.65	1.61
Apr....	1.80	1.75	135.9	1.90	1.85	1.65	1.61
May....	1.81	1.76	136.6	1.91	1.86	1.66	1.62
June...	1.81	1.76	136.6	1.91	1.86	1.66	1.62
July...	1.80	1.76	136.6	1.91	1.86	1.66	1.62

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 ^{1/}**

(1947-48 = 100)

Period	TOTAL 2/	Mining division	Contract construction division	Manufac- turing division	Total: Durable goods	Total: Nondurable goods	Manufacturing - Durable goods	
							Ordnance 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: June.....	115.8	90.0	130.9	115.4	128.5	99.7	866.7	100.3
July.....	114.1	86.9	132.0	113.4	124.7	99.9	885.9	96.7
Aug.....	116.5	89.4	137.1	115.4	125.6	103.3	860.5	97.6
Sept.....	114.5	86.5	133.2	113.7	123.4	102.2	862.1	94.7
Oct.....	114.8	86.5	140.2	113.0	123.6	100.5	854.3	95.2
Nov.....	110.6	83.2	130.1	109.6	119.6	97.6	809.2	91.2
Dec.....	108.4	82.9	120.6	108.4	118.4	96.4	812.7	86.1
1954: Jan.....	101.9	80.3	98.3	103.8	113.7	92.1	764.1	79.6
Feb.....	102.4	78.0	106.0	103.5	112.5	92.8	712.1	82.3
Mar.....	101.8	73.9	109.8	102.5	110.6	92.9	654.3	84.1
Apr.....	99.9	71.5	115.9	99.5	108.1	89.2	587.8	85.3
May.....	100.4	72.3	122.5	99.1	107.2	89.4	542.0	88.5
June.....	102.1	75.4	129.4	100.0	107.0	91.6	522.1	93.8
July.....	100.4	72.3	133.3	97.6	102.5	91.7	509.1	79.2

Manufacturing - Durable goods - Continued							
Period	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries	Fabricated metal products	Machinery (except electrical)	Electrical machinery	Transporta- tion 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: June.....	107.6	108.6	117.4	127.3	121.3	149.2	161.7
July.....	103.7	105.8	115.2	122.7	116.5	143.6	158.9
Aug.....	106.8	108.3	114.9	123.9	114.5	148.0	159.2
Sept.....	105.8	106.9	111.7	121.5	113.5	148.4	153.1
Oct.....	106.3	108.3	110.4	121.4	113.8	146.9	153.9
Nov.....	103.8	105.4	106.7	117.8	111.4	143.3	146.3
Dec.....	101.4	103.2	105.4	115.4	112.3	138.3	151.1
1954: Jan.....	96.1	96.2	101.4	112.9	109.4	131.1	148.6
Feb.....	96.7	97.8	97.5	111.5	108.6	130.6	144.0
Mar.....	96.2	98.2	94.4	109.4	106.6	127.9	141.0
Apr.....	91.6	97.3	92.8	106.9	103.7	123.8	138.6
May.....	88.8	97.6	92.4	107.8	102.0	122.0	136.0
June.....	90.0	97.8	94.0	107.5	100.6	119.8	131.9
July.....	89.6	97.0	92.1	103.0	96.4	117.6	127.8

See footnotes at end of table.

**Table C-5. Indexes of aggregate weekly man-hours
in industrial and construction activity ^{1/} 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
Annual average:						
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
Monthly data:						
1953: June.....	131.3	110.4	92.2	76.4	92.7	105.0
July.....	126.3	104.4	100.3	77.6	89.3	102.2
Aug.....	126.8	111.0	106.6	101.6	89.8	109.2
Sept.....	128.6	111.9	111.2	108.9	86.3	102.0
Oct.....	128.7	115.3	101.6	106.8	86.0	106.0
Nov.....	129.1	112.1	95.1	96.1	84.2	102.8
Dec.....	128.1	107.5	89.4	101.7	83.2	103.5
1954: Jan.....	121.9	98.7	83.8	87.3	78.5	98.2
Feb.....	120.9	102.1	81.8	80.1	79.5	104.3
Mar.....	118.9	101.0	81.5	75.0	79.2	106.1
Apr.....	114.3	96.6	81.3	73.5	76.5	93.8
May.....	112.0	95.6	84.2	75.5	76.0	91.5
June.....	110.2	96.4	89.4	78.4	78.0	91.9
July.....	106.9	91.9	95.3	77.7	75.5	91.4
Manufacturing - Nondurable goods - Continued						
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
Annual average:						
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
Monthly data:						
1953: June.....	112.0	105.1	107.7	102.4	115.8	98.3
July.....	111.3	103.6	106.6	104.3	111.6	96.3
Aug.....	113.7	104.7	106.7	103.8	110.5	97.4
Sept.....	112.9	106.9	108.8	102.5	108.0	89.1
Oct.....	113.2	108.1	107.5	100.2	106.0	88.7
Nov.....	112.3	107.2	107.2	99.3	104.0	88.7
Dec.....	111.1	109.0	106.1	97.3	102.8	92.3
1954: Jan.....	107.6	104.3	105.0	95.3	100.1	91.9
Feb.....	107.5	103.7	104.4	94.9	99.1	94.9
Mar.....	107.8	105.4	104.9	94.0	96.4	93.8
Apr.....	105.7	104.0	103.8	94.0	95.0	85.3
May.....	106.9	104.0	101.8	97.4	98.3	82.2
June.....	108.5	104.9	101.0	99.3	100.1	87.4
July.....	106.9	104.3	99.4	99.0	85.9	90.6

^{1/} 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.

^{2/} 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
	July	June	July	July	June	July	July	June	July
ALABAMA.....	\$55.63	\$55.06	\$55.32	38.9	38.5	39.8	\$1.43	\$1.43	\$1.39
Birmingham	72.50	70.71	70.80	39.4	39.5	40.0	1.84	1.79	1.77
Mobile	(1/)	66.26	66.26	(1/)	40.9	40.9	(1/)	1.62	1.62
ARIZONA.....	77.79	81.83	78.81	40.1	42.4	41.7	1.94	1.93	1.89
Phoenix	72.58	79.10	76.82	37.8	41.2	41.3	1.92	1.92	1.86
ARKANSAS.....	51.79	51.38	50.09	41.1	41.1	41.4	1.26	1.25	1.21
Little Rock-									
N. Little Rock	49.53	48.96	48.56	40.6	40.8	41.5	1.22	1.20	1.17
CALIFORNIA.....	80.63	81.44	78.60	39.7	39.9	40.0	2.03	2.04	1.97
Fresno	70.32	70.86	66.26	37.7	38.1	36.7	1.87	1.86	1.81
Los Angeles	80.48	81.17	79.08	40.0	40.3	40.6	2.01	2.01	1.95
Sacramento	77.36	77.10	76.33	37.7	38.7	39.7	2.05	1.99	1.92
San Bernardino-									
Riverside-Ontario	79.43	79.43	79.44	40.3	40.3	41.2	1.97	1.97	1.93
San Diego	81.77	80.79	76.14	39.9	39.6	39.3	2.05	2.04	1.94
San Francisco-Oakland	82.79	83.33	79.56	39.1	39.3	38.8	2.12	2.12	2.05
San Jose	72.53	78.94	71.57	38.9	39.2	39.5	1.86	2.01	1.81
Stockton	75.03	77.79	72.02	38.7	40.0	40.0	1.94	1.94	1.80
COLORADO.....	75.26	74.75	72.45	40.9	41.3	41.4	1.84	1.81	1.75
Denver	72.80	74.30	71.80	40.0	40.6	41.5	1.82	1.83	1.73
CONNECTICUT.....	72.00	72.40	73.57	40.0	40.0	41.8	1.80	1.81	1.76
Bridgeport	74.40	75.17	73.67	40.0	40.2	40.7	1.86	1.87	1.81
Hartford	77.68	76.26	80.34	41.1	41.0	43.9	1.89	1.86	1.83
New Britain	70.53	70.31	73.01	39.4	39.5	42.2	1.79	1.78	1.73
New Haven	70.64	68.85	68.88	40.6	39.8	41.0	1.74	1.73	1.68
Stamford	75.84	78.39	76.19	39.5	40.2	40.1	1.92	1.95	1.90
Waterbury	73.30	72.58	78.04	40.5	40.1	43.6	1.81	1.81	1.79
DELAWARE.....	72.04	71.21	69.69	39.8	40.6	40.4	1.81	1.75	1.73
Wilmington	84.26	85.32	85.52	40.2	40.9	41.9	2.10	2.09	2.04
FLORIDA.....	55.35	55.62	55.11	40.4	40.9	41.5	1.37	1.36	1.33
Tampa-St. Petersburg	55.20	54.80	53.81	40.0	41.2	41.3	1.38	1.33	1.30
GEORGIA.....	48.76	48.51	50.27	38.7	38.5	39.9	1.26	1.26	1.26
Atlanta	63.60	62.25	63.40	40.0	39.4	40.9	1.59	1.58	1.55
Savannah	65.94	64.74	65.48	42.0	41.5	42.8	1.57	1.56	1.53
IDAHO.....	82.84	80.12	78.81	42.7	41.3	41.7	1.94	1.94	1.89
ILLINOIS.....	75.62	76.21	75.58	39.7	40.1	40.7	1.90	1.90	1.86
Chicago	(1/)	79.27	79.53	(1/)	40.0	40.9	(1/)	1.98	1.94
INDIANA.....	75.18	75.70	77.21	39.1	39.5	40.1	1.92	1.92	1.92
IOWA.....	70.87	71.26	66.66	40.1	40.5	39.6	1.77	1.76	1.68
Des Moines	73.82	77.50	69.71	38.2	40.1	37.6	1.93	1.94	1.86
KANSAS.....	78.17	76.90	73.78	42.1	41.6	41.3	1.86	1.85	1.79
Topeka	63.49	72.88	63.40	39.3	42.5	40.3	1.61	1.72	1.58
Wichita	82.40	80.12	73.51	42.4	41.0	39.8	1.94	1.96	1.84
KENTUCKY.....	67.71	67.57	68.01	40.4	40.3	41.4	1.67	1.68	1.64
LOUISIANA.....	66.01	66.46	64.58	41.0	41.8	41.4	1.61	1.59	1.56
Baton Rouge	93.66	93.41	92.45	40.9	41.7	43.2	2.29	2.24	2.14
New Orleans	65.84	67.06	61.62	39.9	40.4	39.5	1.65	1.66	1.56

See footnotes at end of table.

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1954		1953	1954		1953	1954		1953
	July	June	July	July	June	July	July	June	July
MAINE.....	\$56.70	\$56.17	\$56.60	40.3	40.2	40.3	\$1.41	\$1.40	\$1.41
Portland	61.37	60.68	60.62	41.2	41.1	42.5	1.49	1.48	1.43
MARYLAND.....	69.12	68.62	67.24	39.8	40.2	40.4	1.74	1.71	1.66
Baltimore	73.75	72.49	72.70	40.3	40.2	40.9	1.83	1.80	1.78
MASSACHUSETTS.....	65.07	65.24	66.90	39.2	39.3	40.3	1.66	1.66	1.66
Boston	68.21	68.16	67.89	39.2	39.4	39.7	1.74	1.73	1.71
Fall River	51.99	51.34	52.33	37.4	37.2	38.2	1.39	1.38	1.37
New Bedford	55.83	55.54	56.52	38.5	38.3	39.8	1.45	1.45	1.42
Springfield-Holyoke	72.14	71.96	71.10	40.3	40.2	41.1	1.79	1.79	1.73
Worcester	70.20	71.28	72.57	39.0	39.6	41.0	1.80	1.80	1.77
MICHIGAN.....	85.44	85.47	85.84	40.0	39.9	40.8	2.14	2.14	2.10
Detroit	90.17	88.44	87.20	39.9	39.2	40.0	2.26	2.26	2.18
Flint	89.17	89.20	105.82	40.7	40.6	45.3	2.19	2.20	2.34
Grand Rapids	79.79	80.40	79.37	40.5	41.0	41.6	1.97	1.96	1.92
Lansing	87.72	94.01	93.56	40.2	42.1	42.8	2.18	2.23	2.19
Muskegon	81.18	77.74	81.61	38.4	37.5	39.5	2.11	2.07	2.07
Saginaw	81.20	84.81	90.27	39.9	40.6	44.1	2.04	2.05	2.05
MINNESOTA.....	73.58	74.22	72.09	41.1	40.7	41.4	1.79	1.83	1.74
Duluth	76.07	71.59	72.07	40.0	39.0	39.1	1.90	1.84	1.84
Minneapolis	74.03	75.03	73.88	40.1	40.6	41.6	1.85	1.85	1.78
St. Paul	74.68	75.81	74.43	38.6	39.5	40.0	1.93	1.92	1.86
MISSISSIPPI.....	48.08	47.56	46.33	40.4	41.0	41.0	1.19	1.16	1.13
Jackson	52.86	50.70	47.84	41.3	39.3	40.2	1.28	1.29	1.19
MISSOURI.....	67.12	67.33	68.51	38.7	38.8	40.1	1.73	1.73	1.71
Kansas City	(1/)	75.46	76.83	(1/)	39.3	41.0	(1/)	1.92	1.88
St. Louis	(1/)	73.63	72.59	(1/)	39.3	40.1	(1/)	1.88	1.81
MONTANA.....	79.26	78.09	78.23	40.1	39.7	40.5	1.98	1.97	1.93
NEBRASKA.....	68.23	68.00	64.51	42.7	42.7	41.9	1.60	1.59	1.54
NEVADA.....	87.85	85.32	83.84	40.3	39.5	41.1	2.18	2.16	2.04
NEW HAMPSHIRE.....	57.74	57.86	57.37	40.1	39.9	40.4	1.44	1.45	1.42
Manchester	54.57	54.05	54.43	38.7	37.8	38.6	1.41	1.43	1.41
NEW JERSEY.....	74.58	74.85	74.95	39.6	39.9	40.8	1.88	1.88	1.84
Newark-Jersey City	76.33	76.13	76.01	39.9	39.9	40.8	1.91	1.91	1.86
Paterson	75.52	75.99	74.05	40.6	40.9	40.6	1.86	1.86	1.82
Perth Amboy	75.93	75.91	77.16	40.3	40.4	41.8	1.88	1.88	1.85
Trenton	71.01	72.38	75.50	39.1	39.9	41.1	1.82	1.81	1.84
NEW MEXICO.....	78.17	77.19	72.75	41.8	41.5	41.1	1.87	1.86	1.77
Albuquerque	75.90	73.22	69.43	42.4	41.6	40.6	1.79	1.76	1.71
NEW YORK.....	71.20	71.11	71.25	38.7	38.7	39.5	1.84	1.84	1.80
Albany-Schenectady-Troy	74.86	75.02	76.13	39.1	39.3	40.0	1.91	1.91	1.90
Binghamton	65.94	65.13	67.04	38.1	37.5	39.4	1.73	1.74	1.70
Buffalo	82.56	82.42	85.20	39.8	40.1	42.1	2.08	2.06	2.02
Elmira	73.05	73.53	68.93	40.5	40.6	39.3	1.80	1.81	1.76
Nassau and Suffolk Counties	84.18	84.89	82.96	41.2	41.5	41.8	2.04	2.05	1.99
New York City	68.13	67.77	67.29	37.2	37.3	37.5	1.83	1.82	1.79
Rochester	76.76	76.86	76.49	39.9	40.0	41.4	1.92	1.92	1.85
Syracuse	73.64	72.88	76.25	39.9	39.7	41.7	1.84	1.83	1.83
Utica-Rome	68.37	68.72	68.50	39.2	39.4	40.5	1.75	1.75	1.69
Westchester County	70.18	71.37	69.31	38.5	38.9	39.2	1.82	1.84	1.77

See footnotes at end of table.

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1954		1953	1954		1953	1954		1953
	July	June	July	July	June	July	July	June	July
NORTH CAROLINA.....	\$47.00	\$47.25	\$48.34	37.6	37.8	39.3	\$1.25	\$1.25	\$1.23
Charlotte	50.83	52.40	51.58	39.1	40.0	40.3	1.30	1.31	1.28
Greensboro-High Point	47.23	46.59	(1/)	36.9	36.4	(1/)	1.28	1.28	(1/)
NORTH DAKOTA.....	70.86	69.92	69.00	46.3	45.8	46.4	1.53	1.53	1.49
Fargo	(1/)	(1/)	67.28	(1/)	(1/)	43.7	(1/)	(1/)	1.54
OHIO.....	78.32	78.09	80.41	39.3	39.4	41.1	1.99	1.98	1.96
Cincinnati	73.14	73.45	72.38	39.6	39.9	40.4	1.85	1.84	1.79
Cleveland	80.42	81.12	85.17	39.1	39.5	41.8	2.06	2.05	2.04
OKLAHOMA.....	72.45	72.21	70.30	41.4	41.5	41.6	1.75	1.74	1.69
Oklahoma City	71.50	71.01	66.94	43.6	43.3	42.1	1.64	1.64	1.59
Tulsa	78.17	78.14	75.58	40.5	40.7	41.3	1.93	1.92	1.83
OREGON.....	81.41	82.96	83.05	37.9	38.3	39.1	2.15	2.17	2.12
Portland	77.01	77.45	75.33	38.2	37.8	38.2	2.02	2.05	1.97
PENNSYLVANIA.....	69.44	69.41	70.71	38.3	38.2	39.5	1.82	1.82	1.79
Allentown-Bethlehem-									
Easton	62.76	62.22	66.24	35.8	35.8	38.2	1.75	1.74	1.73
Erie	73.43	73.28	70.80	39.5	39.4	39.2	1.86	1.86	1.81
Harrisburg	61.37	60.40	63.30	38.6	37.7	39.1	1.59	1.60	1.62
Lancaster	62.91	63.90	63.65	40.2	40.7	41.6	1.57	1.57	1.53
Philadelphia	73.71	73.37	73.28	39.0	38.9	40.0	1.89	1.89	1.83
Pittsburgh	80.92	79.33	82.21	38.7	38.4	40.4	2.09	2.07	2.04
Reading	63.81	63.83	67.10	38.3	38.2	40.4	1.67	1.67	1.66
Scranton	54.17	53.65	54.83	38.2	37.7	39.5	1.42	1.42	1.39
Wilkes-Barre-Hazleton	47.98	49.75	49.79	35.7	37.1	37.1	1.34	1.34	1.34
York	60.45	62.23	62.18	39.9	40.7	41.1	1.52	1.53	1.51
RHODE ISLAND.....	59.87	60.60	60.26	39.1	39.7	40.0	1.53	1.53	1.51
Providence	60.34	61.10	60.60	39.7	40.2	40.4	1.52	1.52	1.50
SOUTH CAROLINA.....	49.01	48.89	49.48	38.9	38.8	39.9	1.26	1.26	1.24
Charleston	52.93	51.08	50.67	39.5	38.7	39.9	1.34	1.32	1.27
SOUTH DAKOTA.....	67.74	64.37	63.27	44.9	42.5	42.6	1.51	1.51	1.49
Sioux Falls	71.37	69.81	68.87	44.2	43.3	43.7	1.61	1.61	1.58
TENNESSEE.....	57.02	57.60	56.84	39.6	40.0	40.6	1.44	1.44	1.40
Chattanooga	56.98	56.84	57.49	39.3	39.2	40.2	1.45	1.45	1.43
Knoxville	65.79	66.86	63.99	38.7	39.1	40.5	1.70	1.71	1.58
Memphis	61.41	66.57	64.45	40.4	42.4	42.4	1.52	1.57	1.52
Nashville	59.15	60.49	58.03	39.7	40.6	40.3	1.49	1.49	1.44
TEXAS.....	72.86	72.04	70.89	41.4	41.4	41.7	1.76	1.74	1.70
UTAH.....	(1/)	74.40	72.76	(1/)	40.0	42.3	(1/)	1.86	1.72
Salt Lake City	(1/)	75.44	72.98	(1/)	41.0	41.7	(1/)	1.84	1.75
VERMONT.....	59.06	59.14	62.20	40.3	40.1	42.6	1.46	1.47	1.46
Burlington	57.23	58.00	56.93	38.5	39.4	38.6	1.49	1.47	1.47
Springfield	66.97	68.71	81.24	38.3	39.0	45.9	1.75	1.76	1.77
VIRGINIA.....	56.23	56.66	54.74	39.6	39.9	39.1	1.42	1.42	1.40
Norfolk-Portsmouth	61.00	61.61	62.13	40.4	40.8	41.7	1.51	1.51	1.49
Richmond	62.73	60.55	58.31	41.0	40.1	39.4	1.53	1.51	1.48
WASHINGTON.....	79.66	82.22	79.75	39.0	39.2	39.6	2.04	2.10	2.01
Seattle	76.45	78.31	75.68	37.9	38.4	38.3	2.02	2.04	1.98
Spokane	81.27	82.06	80.04	39.3	40.5	40.1	2.07	2.02	2.00
Tacoma	82.31	81.63	79.73	39.3	39.5	39.0	2.09	2.06	2.05

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
	July	June	July	July	June	July	July	June	July
WEST VIRGINIA.....	\$70.31	\$70.66	\$71.68	37.2	38.4	39.6	\$1.89	\$1.84	\$1.81
Charleston	89.20	88.58	88.18	40.0	39.9	41.4	2.23	2.22	2.13
WISCONSIN.....	72.95	75.31	72.05	40.8	40.9	41.9	1.79	1.84	1.72
Kenosha	76.92	77.50	73.28	38.7	39.1	38.5	1.99	1.98	1.90
La Crosse	74.68	76.79	71.53	40.3	40.8	38.8	1.85	1.88	1.84
Madison	76.80	78.40	72.13	39.9	40.3	39.4	1.93	1.94	1.83
Milwaukee	81.56	81.48	79.76	40.0	40.2	41.2	2.04	2.03	1.94
Racine	77.40	79.49	75.61	39.4	39.9	40.3	1.96	1.99	1.88
WYOMING.....	82.74	84.80	84.67	39.4	40.0	41.1	2.10	2.12	2.06
Casper	97.58	97.52	94.25	41.7	41.5	40.8	2.34	2.35	2.31

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
MONTHLY DATA		
<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.
ANNUAL DATA		
<u>All employees and production workers</u>	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.

Section B - LABOR TURNOVER

Definition of Labor Turnover

"Labor turnover," as used in this series, refers to the gross movement of wage and salary workers into and out of employment status with respect to individual firms. This movement is subdivided into two broad types: accessions (new hires and rehires) and separations (terminations of employment initiated by either the employer or the employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. Rates of accession and separation are shown separately. All employees, including executive, office, sales, and other salaried personnel as well as production workers are covered by both the turnover movements and the employment base used in computing labor turnover rates. All groups of employees - full- and part-time, permanent and temporary - are included. Transfers from one establishment to another within a company are not considered to be turnover items.

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

Source of Data and Sample Coverage

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

Approximate coverage of BLS labor turnover sample

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

1/ Data are not available.

Method of Computation

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

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

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

To compute turnover rates for industry groups, the rates for the component industries are weighted by the estimated employment. Rates for the durable and nondurable goods subdivisions and manufacturing division are computed by weighting the rates of major industry groups by the estimated employment.

Classification of Establishment Reports

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

For additional details, see Section A-Employment.

Comparability With Earlier Data

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

Comparability With Employment Series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons:

- (1) Accessions and separations are computed for the entire calendar-month; the employment reports, for the most part, refer to a 1-week pay period ending nearest the 15th of the month.
- (2) The turnover sample is not as large as the employment sample and includes proportionately fewer small plants; certain industries are not covered (see paragraph on source of data and sample coverage).
- (3) Plants are not included in the turnover computations in months when work stoppages are in progress; the influence of such stoppages is reflected, however, in the employment figures.

Section C - HOURS AND EARNINGS

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

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

of hours and earnings:

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

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

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

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

Collection of Establishment Reports

See Section A-Employment.

Coverage of Establishment Reports

See Section A-Employment.

Classification of Establishment Reports

See Section A-Employment.

Description of Gross Average Hourly and Weekly Earnings Series

The average hourly earnings information for manufacturing and nonmanufacturing industries are on a "gross" basis; i.e., they reflect not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime and late shift work, and changes in output of workers paid on an incentive basis. Employment shifts between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings should not be confused with wage rates. Earnings refer to the actual return to the worker for a stated period of time; rates are the amounts stipulated for a given unit of work or time. However, the average earnings series should not be interpreted as representing total labor costs on the part of the employer, since the following are excluded: irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and

earnings for those employees not covered under the production-worker or nonsupervisory-employee definitions.

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

Average Weekly Hours

The workweek information relates to average hours worked or paid for, and is somewhat different from standard or scheduled hours. Normally, such factors as absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than the hours of workers who are on the payroll during the whole workweek. Group averages further reflect changes in the workweek of component industries.

Gross Average Weekly Earnings in Current and 1947-49 Dollars

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

Net Spendable Average Weekly Earnings

Net spendable average weekly earnings are obtained by deducting appropriate amounts for social security and Federal income taxes from gross weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, as well as on the level of his gross income. To reflect these variables, net spendable earnings have been computed for two types of income-receivers: (1) a worker with no dependents; (2) a worker with three dependents.

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

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

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

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

The Bureau publishes average hourly earnings exclusive of overtime premium payments for manufacturing as a whole and the durable- and nondurable-goods subdivisions. These data are based on the application of adjustment factors to gross average hourly earnings (as described in the Monthly Labor Review, May 1950, pp.537-540; reprint available, Serial No. R. 2020). This method eliminates only the additional earnings due to overtime paid for at one and one-half time the straight-time rates after 40 hours a week. Thus, no adjustment is made for other premium payment provisions—for example, holiday work, late shift work, and penalty rates other than time and one-half.

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

Indexes of Production-Worker Aggregate Weekly
Man-hours

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

The aggregate man-hours are defined as total man-hours for which pay was received by full- and part-time production workers, including hours paid for holidays, sick leave, and vacations taken. The man-hours are for

1 week of the pay period ending nearest the 15th of the month, and may not be typical of the entire month. Aggregate man-hours differ from scheduled man-hours due to such factors as absenteeism, labor turnover, part-time work, and stoppages.

Railroad Hours and Earnings

The figures for Class I railroads (excluding switching and terminal companies) are based upon monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees who received pay during the month, except executives, officials, and staff assistants (ICC Group I). Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Because hours and earnings data for manufacturing and other nonmanufacturing industries are based upon reports to the Bureau of Labor Statistics which generally represent 1 weekly pay period ending nearest the 15th of the month, the data for railroad employees are not strictly comparable with other industry information shown in this publication.

Hours and Gross Earnings for Selected States and Areas

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

- HOURS AND EARNINGS - SUMMARY OF METHODS OF COMPUTATION

Item	Individual manufacturing and nonmanufacturing industries	Manufacturing division, groups, subgroups, and nonmanufacturing groups
MONTHLY DATA		
<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.
ANNUAL DATA		
<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.