

# **EMPLOYMENT**

## **and Payrolls**

**Monthly Statistical Report**

**OCTOBER 1953**



**Employment Trends**

**Labor Turnover Rates**

**State and Area Statistics**

**UNITED STATES DEPARTMENT OF LABOR**  
**James P. Mitchell, Secretary**

**BUREAU OF LABOR STATISTICS**  
**Ewan Clague Commissioner**

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These publications prepared by  
DIVISION OF MANPOWER AND EMPLOYMENT STATISTICS  
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# EMPLOYMENT and Payrolls

MONTHLY STATISTICAL  
REPORT

OCTOBER 1953

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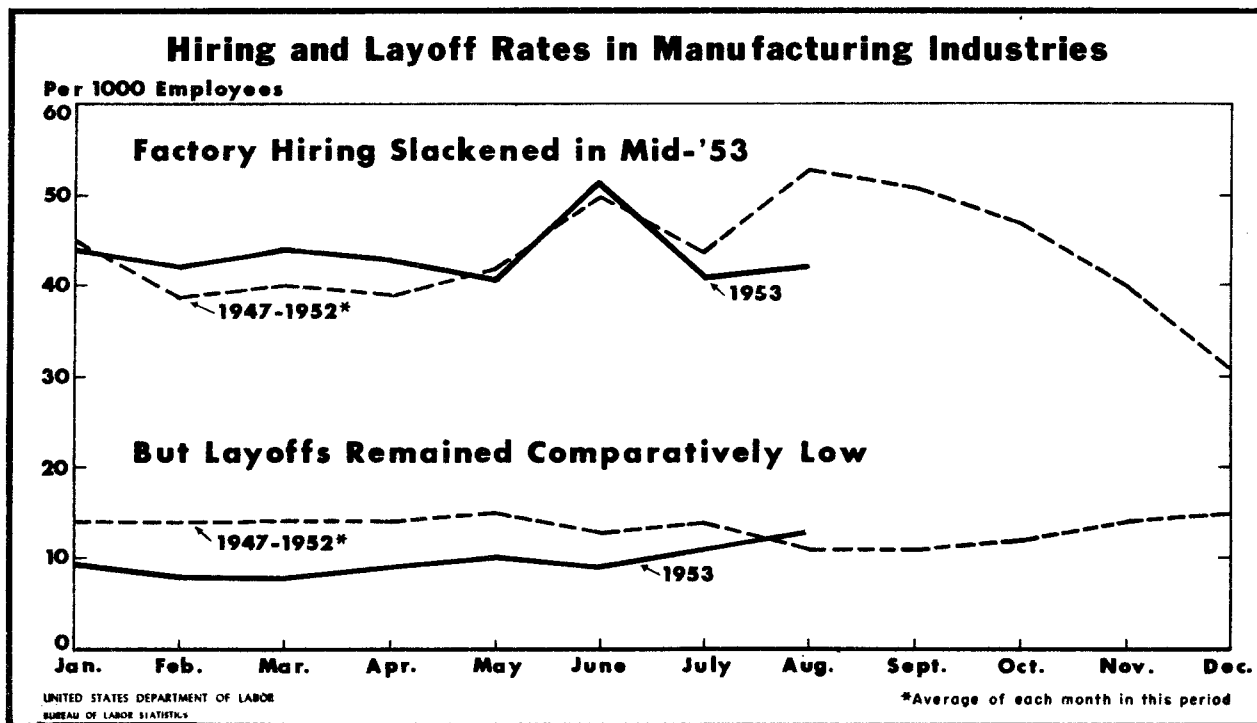
### Women employees in manufacturing industries....

This issue of the Report contains the quarterly estimates of the number of women employed in manufacturing industries. See table A-10, page 31.

### Man-hour indexes....

Indexes of production-worker aggregate man - hours in major manufacturing groups are published for the first time in the October Hours and Earnings Industry Report, and will appear monthly thereafter. The aggregates for preparing the indexes are the product of the production - worker employment shown in table A-3 of this Report and average weekly hours from table 1 of the Hours and Earnings Industry Report. All series begin with January 1947, and are based on 1947-49 average = 100.0.

# Employment Data at a Glance



Item	Current 1/		Year ago		September 1953 change from:	
	September 1953	August 1953	September 1952	August 1952	Previous month	Year ago
<b>EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS (in thousands):</b>						
Total.....	49,608	49,412	48,892	48,158	+ 196	+ 716
Mining.....	825	830	886	893	- 5	- 61
Contract construction.....	2,670	2,704	2,794	2,812	- 34	- 124
Manufacturing.....	17,189	17,253	16,680	16,280	- 64	+ 509
Transportation and public utilities.....	4,337	4,334	4,281	4,258	+ 3	+ 56
Wholesale and retail trade..	10,470	10,352	10,295	10,110	+ 118	+ 175
Finance, insurance, etc.....	2,054	2,074	1,976	2,000	- 20	+ 78
Service and miscellaneous...	5,395	5,416	5,364	5,378	- 21	+ 31
Government.....	6,668	6,449	6,616	6,427	+ 219	+ 52
<b>HOURS AND GROSS EARNINGS IN MANUFACTURING INDUSTRIES:</b>						
Average weekly earnings.....	\$ 70.49	\$ 71.69	\$ 69.63	\$ 67.23	- \$1.20	+ \$0.86
Average weekly hours.....	39.6	40.5	41.2	40.5	- .9	- 1.6
Average hourly earnings.....	\$ 1.78	\$ 1.77	\$ 1.69	\$ 1.66	+ \$0.01	+ \$0.09
<b>LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES (Per 100 employees):</b>						
Separation.....	....	4.9	4.9	4.6	....	....
Quit.....	....	2.9	3.5	3.0	....	....
Layoff.....	....	1.3	.7	1.0	....	....
Other.....	....	.7	.7	.6	....	....
Accession.....	....	4.2	5.6	5.9	....	....

1/ Figures for the latest month are preliminary.



# Employment Trends

## NONFARM EMPLOYMENT GAINS, BUT LESS THAN USUAL FOR THE SEASON

Nonfarm employment continued at record levels in September. Although the increase from August was smaller than usual for the season, the number of employees on nonfarm payrolls in September was an all-time high for the month of 49.6 million, 700,000 above last September.

Nonfarm employment increased by 200,000 between mid-August and mid-September compared to an August-to-September average gain of half a million in the post-World War II period. This was the second month when the rise in employment was less than usual.

The small rise in nonfarm employment was primarily due to the absence of the usual seasonal increase in manufacturing. The number of workers on manufacturing payrolls decreased by about 60,000 from August to September, although in recent years an average increase of about 200,000 has occurred at this season. Nevertheless, factory employment this September was half a million higher than in September 1952, indicating the maintenance of very high employment levels, following the sharp rise that occurred late in 1952.

There were a number of manufacturing industry groups where the

August-to-September employment changes were somewhat below seasonal expectations. Employment declines, instead of the usual gains, were reported in primary metals, machinery, transportation equipment, furniture, textiles, and apparel. Some part of these decreases can be attributed to an industrial dispute in a major steel company, and the burning of the Livonia, Michigan, automatic transmission plant.

In the electrical machinery and fabricated metals industry groups, increases were smaller than usual. Decreases reported in lumber and leather were somewhat greater than the average decline for the season in recent years.

Despite these changes, September 1953 employment in fabricated metals, electrical machinery, and transportation equipment was substantially above the levels of a year earlier. Although employment in automobile plants has declined in recent months, the total for the transportation equipment group was up by 160,000 over the year, mainly because of continued expansion in aircraft manufacturing.

On the other hand, the lumber, textile, apparel, and leather industry groups had fewer workers on their payrolls this September than a year ago. A downtrend in lumber employment has been evident since

early 1952. However, the over-the-year employment reductions in the soft-goods industries reported this September were the first appreciable decreases thus far this year.

Contract construction employment declined by about 30,000 between August and September—one of the largest reductions reported for these months in recent years. However, the total number of workers on contractors' payrolls this September—nearly 2.7 million—was less than 5 percent below the all-time peak for the month recorded last year.

The number of workers employed in retail stores increased between August and September by 120,000—somewhat below the 1947-52 average for this time of year. This was the first noticeable departure from the usual seasonal pattern in retail trade employment thus far in 1953; but at 7.7 million, the total was an all-time high for September.

Employment in the transportation and public utilities, finance, and service industries also was at peak levels this September. In government, a record total for the month reflected the continued uptrend in the number of State and local government employees, which has outweighed reductions in the Federal payroll over the past year. Mining employment was lower than a year ago, continuing the long-term downtrend in the size of the work force in coal mines.

#### FACTORY HOURS ROSE LESS THAN SEASONALLY IN AUGUST

The factory workweek remained virtually unchanged between July

and August, a period of usual seasonal increase. In most post-World War II years the end of the July vacation period and the expansion of output for the fall buying season resulted in longer hours in August. However, at 40.5 hours, the average workweek in manufacturing plants in mid-August was the same as a year earlier and only about one-half hour below the post-World War II high for the month reached in 1950.

In several durable goods industry groups—lumber, primary and fabricated metals, machinery, and transportation equipment—the August workweek was virtually unchanged from that of the previous month, in contrast to the usual pickup in hours in these industries at this time of year. In machinery, where a slight downtrend in activity due to curtailed output of farm implements has been evident since spring, the August workweek was the lowest for this time of year since 1949.

In consumer soft-goods industries—textiles, apparel, rubber, and leather—the July-to-August increases in hours also were smaller than expected or did not occur at all. However, in the food industry group, an unchanged workweek over the month contrasted with declines registered each year since 1948.

Nevertheless, overtime work continued to be widespread in manufacturing industries. In August, 15 of the 21 major industry groups had average workweeks of more than 40 hours. Three of these—paper, machinery, and food products—reported a workweek of more than 41 1/2 hours.

Factory production workers' gross hourly pay—including overtime and other premium pay—averaged \$1.77 this August, unchanged from July. This was 11 cents more than in August 1952. Most of this rise occurred in the latter part of last year and in early 1953. Since April, average hourly earnings have increased by 2 cents.

The average factory worker's weekly pay amounted to \$71.69 in August, \$4.46 higher than in August last year. This increase resulted primarily from advances in wage rates. The larger proportion of workers employed in such higher-paid durable goods industries as primary and fabricated metals, transportation equipment, and electrical machinery also contributed to the rise in weekly earnings.

#### FACTORY HIRING SLACKENED IN MID-1953

Hiring rates in the Nation's factories remained virtually unchanged between July and August, contrasting with the upswing usually reported at this time of year.

Manufacturing plants added workers to their payrolls at a rate of 42 per 1,000 employees in August, about 25 percent below the post-World War II average for the month. Not only was the late summer pickup in hiring absent this year, but also hiring in July was down from June levels by more than the usual amount. In every year since 1946, factory hiring has been stepped up appreciably between July and August, reflecting the reopening of plants

after vacation shutdowns and preparations for the fall season in many consumer-goods industries.

Industry groups where increases in hiring were smaller than usual included furniture, fabricated metals, machinery, textiles, and apparel. Several industry groups reported declines in hiring between July and August, instead of the customary gains: primary metals, lumber, transportation equipment, paper, and tobacco products.

Factory layoffs rose slightly between July and August, from 11 to 13 per 1,000 employees. August was the first month in 1953 when layoffs exceeded the rate of the same month last year. However, layoffs remained well below the 1947-52 average for the month.

Most industry groups reported a rise in layoffs between July and August, with the more sizable increases occurring in fabricated metals, instruments, textiles, rubber, and stone, clay and glass products. In transportation equipment, heavier layoffs resulting from shutdowns in automobile plants were offset by reduced layoff rates in aircraft plants.

The rate at which workers were quitting factory jobs increased from 25 per 1,000 in July to 29 in August. This was less than the usual rise for the season, and may reflect the recent leveling off in nonfarm employment. Quit rates tend to increase with expanding employment, as workers shift to better jobs, and to decline as the labor market loosens.

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

(In thousands)

Industry division and group	Current 1/			Year ago	September 1953 net change from:	
	September 1953	August 1953	July 1953	September 1952	Previous month	Year ago
<b>TOTAL.....</b>	<b>49,608</b>	<b>49,412</b>	<b>49,218</b>	<b>48,892</b>	<b>+ 196</b>	<b>+ 716</b>
<b>MINING.....</b>	<b>825</b>	<b>830</b>	<b>824</b>	<b>886</b>	<b>- 5</b>	<b>- 61</b>
Metal mining.....	99.6	100.0	100.4	99.8	- .4	- .2
Bituminous-coal.....	290.6	290.4	289.8	338.7	+ .2	- 48.1
Nonmetallic mining and quarrying.....	106.3	105.6	105.1	105.6	+ .7	+ .7
<b>CONTRACT CONSTRUCTION.....</b>	<b>2,670</b>	<b>2,704</b>	<b>2,663</b>	<b>2,794</b>	<b>- 34</b>	<b>- 124</b>
<b>MANUFACTURING.....</b>	<b>17,189</b>	<b>17,253</b>	<b>17,055</b>	<b>16,680</b>	<b>- 64</b>	<b>+ 509</b>
<b>DURABLE GOODS.....</b>	<b>9,935</b>	<b>10,004</b>	<b>9,991</b>	<b>9,440</b>	<b>- 69</b>	<b>+ 495</b>
Ordnance and accessories.....	208.7	206.4	210.7	176.0	+ 2.3	+ 32.7
Lumber and wood products (except furniture).....	774.1	792.5	787.1	818.6	- 18.4	- 44.5
Furniture and fixtures.....	369.8	371.9	370.2	368.5	- 2.1	+ 1.3
Stone, clay, and glass products.....	549.6	545.3	537.6	534.6	+ 4.3	+ 15.0
Primary metal industries.....	1,311.7	1,333.1	1,336.1	1,299.3	- 21.4	+ 12.4
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,161.8	1,161.6	1,150.3	1,059.0	+ .2	+ 102.8
Machinery (except electrical).....	1,623.3	1,642.8	1,671.7	1,588.8	- 19.5	+ 34.5
Electrical machinery.....	1,210.1	1,201.7	1,184.2	1,089.1	+ 8.4	+ 121.0
Transportation equipment.....	1,882.3	1,911.4	1,921.4	1,719.2	- 29.1	+ 163.1
Instruments and related products.....	335.6	331.5	333.1	313.7	+ 4.1	+ 21.9
Miscellaneous manufacturing industries...	508.1	506.0	488.9	472.8	+ 2.1	+ 35.3
<b>NONDURABLE GOODS.....</b>	<b>7,254</b>	<b>7,249</b>	<b>7,064</b>	<b>7,240</b>	<b>+ 5</b>	<b>+ 14</b>
Food and kindred products.....	1,719.3	1,686.8	1,616.9	1,727.0	+ 32.5	- 7.7
Tobacco manufactures.....	122.4	117.0	93.5	126.6	+ 5.4	- 4.2
Textile-mill products.....	1,201.7	1,208.2	1,198.6	1,221.6	- 6.5	- 19.9
Apparel and other finished textile products.....	1,204.4	1,233.4	1,172.1	1,231.3	- 29.0	- 26.9
Paper and allied products.....	543.5	541.3	533.6	508.3	+ 2.2	+ 35.2
Printing, publishing, and allied industries.....	788.0	778.4	777.2	765.3	+ 9.6	+ 22.7
Chemicals and allied products.....	756.3	754.9	752.7	741.8	+ 1.4	+ 14.5
Products of petroleum and coal.....	264.8	266.3	266.0	263.4	- 1.5	+ 1.4
Rubber products.....	271.7	271.2	269.7	263.0	+ .5	+ 8.7
Leather and leather products.....	381.8	391.3	383.8	391.5	- 9.5	- 9.7
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	<b>4,337</b>	<b>4,334</b>	<b>4,341</b>	<b>4,281</b>	<b>+ 3</b>	<b>+ 56</b>
TRANSPORTATION.....	3,012	2,999	3,000	2,980	+ 13	+ 32
COMMUNICATION.....	745	752	759	731	- 7	+ 14
OTHER PUBLIC UTILITIES.....	580	583	582	570	- 3	+ 10
<b>WHOLESALE AND RETAIL TRADE.....</b>	<b>10,470</b>	<b>10,352</b>	<b>10,368</b>	<b>10,295</b>	<b>+ 118</b>	<b>+ 175</b>
<b>WHOLESALE TRADE.....</b>	<b>2,736</b>	<b>2,739</b>	<b>2,740</b>	<b>2,730</b>	<b>- 3</b>	<b>+ 6</b>
<b>RETAIL TRADE.....</b>	<b>7,734</b>	<b>7,613</b>	<b>7,628</b>	<b>7,565</b>	<b>+ 121</b>	<b>+ 169</b>
General merchandise stores.....	1,407.8	1,354.3	1,353.4	1,423.8	+ 53.5	- 16.0
Food and liquor stores.....	1,399.4	1,392.7	1,402.0	1,356.4	+ 6.7	+ 43.0
Automotive and accessories dealers.....	853.4	853.5	847.3	778.1	- .1	+ 75.3
Apparel and accessories stores.....	601.3	549.5	561.0	579.8	+ 51.8	+ 21.5
Other retail trade.....	3,472.2	3,462.8	3,464.4	3,427.1	+ 9.4	+ 45.1
<b>FINANCE, INSURANCE, AND REAL ESTATE.....</b>	<b>2,054</b>	<b>2,074</b>	<b>2,072</b>	<b>1,976</b>	<b>- 20</b>	<b>+ 78</b>
<b>SERVICE AND MISCELLANEOUS.....</b>	<b>5,395</b>	<b>5,416</b>	<b>5,417</b>	<b>5,364</b>	<b>- 21</b>	<b>+ 31</b>
<b>GOVERNMENT.....</b>	<b>6,668</b>	<b>6,449</b>	<b>6,478</b>	<b>6,616</b>	<b>+ 219</b>	<b>+ 52</b>
<b>FEDERAL.....</b>	<b>2,225</b>	<b>2,248</b>	<b>2,271</b>	<b>2,368</b>	<b>- 23</b>	<b>- 143</b>
<b>STATE AND LOCAL.....</b>	<b>4,443</b>	<b>4,201</b>	<b>4,207</b>	<b>4,248</b>	<b>+ 242</b>	<b>+ 195</b>

1/ Figures for the latest month are preliminary.



# Current Employment and Payroll Statistics

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

(In thousands)

Year and month	TOTAL	Mining	Contract con- struction	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscel- laneous	Govern- ment
<b>Annual average:</b>									
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.....	47,202	913	2,588	16,082	4,166	10,013	1,861	5,207	6,373
1952.....	47,993	872	2,572	16,209	4,220	10,251	1,957	5,280	6,533
<b>Monthly data:</b>									
<b>1952</b>									
June.....	47,418	816	2,690	15,624	4,225	10,144	1,972	5,360	6,587
July.....	47,078	784	2,751	15,402	4,198	10,108	1,997	5,382	6,456
August.....	48,158	893	2,812	16,280	4,258	10,110	2,000	5,378	6,427
September.....	48,892	886	2,794	16,680	4,281	10,295	1,976	5,364	6,616
October.....	49,095	871	2,728	16,778	4,296	10,442	1,973	5,303	6,704
November.....	49,310	871	2,648	16,874	4,286	10,650	1,973	5,266	6,742
December.....	50,140	870	2,497	16,952	4,293	11,218	1,978	5,237	7,095
<b>1953</b>									
January.....	48,382	866	2,303	16,884	4,210	10,283	1,969	5,192	6,675
February.....	48,369	856	2,280	17,013	4,210	10,214	1,977	5,194	6,625
March.....	48,685	846	2,301	17,135	4,235	10,284	1,993	5,225	6,666
April.....	48,860	835	2,416	17,077	4,244	10,314	2,014	5,307	6,653
May.....	49,058	831	2,509	17,040	4,279	10,348	2,025	5,357	6,669
June.....	49,416	835	2,608	17,162	4,315	10,415	2,046	5,397	6,638
July.....	49,218	824	2,663	17,055	4,341	10,368	2,072	5,417	6,478
August.....	49,412	830	2,704	17,253	4,334	10,352	2,074	5,416	6,449

# Industry Data

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

(In thousands)

Industry division and group	1953			1952	
	August	July	June	August	July
<b>TOTAL</b> .....	49,412	49,218	49,416	48,158	47,078
<b>MINING</b> .....	830	824	835	893	784
Metal mining.....	100.0	100.4	101.0	102.5	69.0
Anthracite.....	49.9	48.3	53.6	63.1	61.1
Bituminous-coal.....	290.4	289.8	299.2	339.6	267.2
Crude-petroleum and natural-gas production....	284.4	280.3	276.2	281.2	283.3
Nonmetallic mining and quarrying.....	105.6	105.1	104.7	106.2	103.6
<b>CONTRACT CONSTRUCTION</b> .....	2,704	2,663	2,608	2,812	2,751
<b>NONBUILDING CONSTRUCTION</b> .....	577	548	530	589	562
Highway and street.....	268.1	252.9	241.8	262.6	249.1
Other nonbuilding construction.....	309.1	294.8	287.8	326.7	313.3
<b>BUILDING CONSTRUCTION</b> .....	2,127	2,115	2,078	2,223	2,189
General contractors.....	958.8	949.1	925.5	1,003.2	988.0
Special-trade contractors.....	1,168.5	1,165.8	1,152.9	1,220.1	1,200.9
Plumbing and heating.....	295.7	288.8	283.3	295.4	292.0
Painting and decorating.....	166.3	160.8	153.9	173.9	173.1
Electrical work.....	155.9	154.6	150.6	157.3	156.2
Other special-trade contractors.....	550.6	561.6	565.1	593.5	579.6
<b>MANUFACTURING</b> .....	17,253	17,055	17,162	16,280	15,402
<b>DURABLE GOODS</b> .....	10,004	9,991	10,121	9,142	8,530
Ordnance and accessories.....	206.4	210.7	206.6	173.6	169.9
Lumber and wood products (except furniture)....	792.5	787.1	800.1	828.1	813.5
Furniture and fixtures.....	371.9	370.2	371.6	359.0	347.2
Stone, clay, and glass products.....	545.3	537.6	547.7	530.7	513.9
Primary metal industries.....	1,333.1	1,336.1	1,346.0	1,257.8	822.9
Fabricated metal products (except ordnance, machinery, and transportation equipment)....	1,161.6	1,150.3	1,168.0	1,017.1	962.9
Machinery (except electrical).....	1,642.8	1,671.7	1,698.4	1,578.0	1,599.0
Electrical machinery.....	1,201.7	1,184.2	1,194.8	1,047.2	1,016.5
Transportation equipment.....	1,911.4	1,921.4	1,950.8	1,585.1	1,548.1
Instruments and related products.....	331.5	333.1	335.4	310.6	302.8
Miscellaneous manufacturing industries.....	506.0	488.9	501.5	455.1	433.1
<b>NONDURABLE GOODS</b> .....	7,249	7,064	7,041	7,138	6,872
Food and kindred products.....	1,686.8	1,616.9	1,527.3	1,693.3	1,622.0
Tobacco manufactures.....	117.0	93.5	93.4	117.7	93.9
Textile-mill products.....	1,208.2	1,198.6	1,220.1	1,199.7	1,161.6
Apparel and other finished textile products....	1,233.4	1,172.1	1,200.1	1,211.6	1,140.3
Paper and allied products.....	541.3	533.6	535.9	507.8	494.7
Printing, publishing, and allied industries....	778.4	777.2	779.7	758.0	756.9
Chemicals and allied products.....	754.9	752.7	753.2	733.2	729.3
Products of petroleum and coal.....	266.3	266.0	264.3	264.9	249.2
Rubber products.....	271.2	269.7	276.3	258.1	248.1
Leather and leather products.....	391.3	383.8	390.2	393.5	375.7

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

(In thousands)

Industry division and group	1953			1952	
	August	July	June	August	July
<b>TRANSPORTATION AND PUBLIC UTILITIES.....</b>	4,334	4,341	4,315	4,258	4,198
TRANSPORTATION.....	2,999	3,000	2,990	2,946	2,892
Interstate railroads.....	1,405.7	1,409.3	1,399.9	1,394.1	1,352.5
Class I railroads.....	1,235.0	1,238.8	1,229.2	1,221.5	1,183.5
Local railways and bus lines.....	128.8	130.9	131.0	133.9	134.3
Trucking and warehousing.....	754.1	749.1	749.3	713.5	701.1
Other transportation and services.....	710.7	710.5	709.5	704.3	703.9
Bus lines, except local.....	52.9	53.3	52.9	54.8	55.0
Air transportation (common carrier).....	105.3	104.9	104.6	97.0	96.6
<b>COMMUNICATION.....</b>	752	759	750	736	731
Telephone.....	703.6	709.6	700.1	688.1	682.1
Telegraph.....	47.6	48.3	48.9	47.6	48.4
<b>OTHER PUBLIC UTILITIES.....</b>	583	582	575	576	575
Gas and electric utilities.....	560.3	558.7	552.2	553.8	553.1
Electric light and power utilities.....	251.6	251.0	248.2	249.3	248.8
Gas utilities.....	130.8	129.9	128.9	129.5	129.6
Electric light and gas utilities combined.....	177.9	177.8	175.1	175.0	174.7
Local utilities, not elsewhere classified.....	23.1	22.9	22.4	22.4	22.2
<b>WHOLESALE AND RETAIL TRADE.....</b>	10,352	10,368	10,415	10,110	10,108
WHOLESALE TRADE.....	2,739	2,740	2,729	2,722	2,709
RETAIL TRADE.....	7,613	7,628	7,686	7,388	7,399
General merchandise stores.....	1,354.3	1,353.4	1,402.3	1,324.6	1,332.4
Food and liquor stores.....	1,392.7	1,402.0	1,405.7	1,344.8	1,349.0
Automotive and accessories dealers.....	853.5	847.3	839.2	781.6	785.4
Apparel and accessories stores.....	549.5	561.0	594.7	529.7	541.7
Other retail trade.....	3,462.8	3,464.4	3,444.3	3,406.8	3,390.6
<b>FINANCE, INSURANCE, AND REAL ESTATE.....</b>	2,074	2,072	2,046	2,000	1,997
Banks and trust companies.....	518.0	518.2	506.8	490.9	491.2
Security dealers and exchanges.....	64.7	65.1	64.9	65.7	65.6
Insurance carriers and agents.....	759.3	756.1	744.6	721.4	718.4
Other finance agencies and real estate.....	731.8	732.6	729.5	722.1	721.4
<b>SERVICE AND MISCELLANEOUS.....</b>	5,416	5,417	5,397	5,378	5,382
Hotels and lodging places.....	546.3	542.4	495.9	545.6	546.2
Personal services:					
Laundries.....	349.7	353.8	354.1	348.8	350.7
Cleaning and dyeing plants.....	175.9	180.6	186.8	169.4	174.3
Motion pictures.....	234.3	233.7	233.8	238.9	238.9
<b>GOVERNMENT.....</b>	6,449	6,478	6,638	6,427	6,456
FEDERAL.....	2,248	2,271	2,285	2,387	2,400
STATE AND LOCAL.....	4,201	4,207	4,353	4,040	4,056

# Industry Data

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1953	July 1953	June 1953	Aug. 1952	Aug. 1953	July 1953	June 1953	Aug. 1952
<b>MINING. ....</b>	830	824	835	893	--	--	--	--
<b>METAL MINING. ....</b>	100.0	100.4	101.0	102.5	86.5	86.6	87.4	89.4
Iron mining. ....	40.3	40.3	40.1	40.0	35.3	35.3	35.4	35.6
Copper mining. ....	27.7	27.6	27.8	26.4	23.9	23.7	23.8	22.7
Lead and zinc mining. ....	15.9	16.1	17.0	19.8	13.4	13.5	14.4	17.1
<b>ANTHRACITE. ....</b>	49.9	48.3	53.6	63.1	46.4	45.3	50.3	59.4
<b>BITUMINOUS-COAL. ....</b>	290.4	289.8	299.2	339.6	268.3	267.7	277.1	315.5
<b>CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION. ....</b>	284.4	280.3	276.2	281.2	--	--	--	--
Petroleum and natural-gas production (except contract services). ....	--	--	--	--	133.7	132.9	131.9	132.8
<b>NONMETALLIC MINING AND QUARRYING. .</b>	105.6	105.1	104.7	106.2	92.0	91.5	90.8	92.1
<b>MANUFACTURING. ....</b>	17,253	17,055	17,162	16,280	13,852	13,656	13,787	13,069
Durable Goods. ....	10,004	9,991	10,121	9,142	8,050	8,038	8,190	7,332
Nondurable Goods. ....	7,249	7,064	7,041	7,138	5,802	5,618	5,597	5,737
<b>ORDNANCE AND ACCESSORIES. ....</b>	206.4	210.7	206.6	173.6	158.5	161.2	158.3	129.2
<b>FOOD AND KINDRED PRODUCTS. ....</b>	1,686.8	1,616.9	1,527.3	1,693.3	1,254.9	1,183.3	1,096.6	1,269.3
Meat products. ....	302.9	302.9	299.7	305.8	239.0	239.5	237.0	241.7
Dairy products. ....	132.8	135.3	134.2	133.3	92.0	94.2	93.5	93.3
Canning and preserving. ....	339.8	274.3	194.5	339.2	309.6	244.2	165.4	308.9
Grain-mill products. ....	127.5	127.1	127.3	127.8	93.5	93.3	93.9	97.3
Bakery products. ....	290.5	291.2	289.7	290.5	182.4	184.2	184.0	185.9
Sugar. ....	29.7	29.8	28.5	29.4	24.4	24.3	23.2	24.3
Confectionery and related products. ....	81.3	74.3	78.1	84.0	66.9	60.0	64.0	69.6
Beverages. ....	239.7	237.6	231.4	239.0	144.3	139.7	131.8	144.9
Miscellaneous food products. ....	142.6	144.4	143.9	144.3	102.8	103.9	103.8	103.4
<b>TOBACCO MANUFACTURES. ....</b>	117.0	93.5	93.4	117.7	108.8	85.3	85.0	108.8
Cigarettes. ....	31.3	30.6	31.4	31.2	28.5	27.7	28.5	28.4
Cigars. ....	40.9	39.8	41.4	41.9	38.9	37.8	39.3	39.7
Tobacco and snuff. ....	8.6	8.5	8.9	9.1	7.4	7.2	7.6	7.8
Tobacco stemming and redrying. ....	36.2	14.6	11.7	35.5	34.0	12.6	9.6	32.9
<b>TEXTILE-MILL PRODUCTS. ....</b>	1,208.2	1,198.6	1,220.1	1,199.7	1,110.2	1,101.7	1,121.6	1,104.5
Scouring and combing plants. ....	7.2	7.2	7.0	6.8	6.6	6.6	6.4	6.3
Yarn and thread mills. ....	153.9	151.4	154.9	156.2	143.3	140.7	144.4	145.8
Broad-woven fabric mills. ....	516.5	520.9	526.6	527.3	487.6	492.1	497.1	498.2
Narrow fabrics and smallwares. ....	34.7	34.4	35.1	33.1	30.9	30.5	31.1	29.2
Knitting mills. ....	255.0	249.6	254.7	249.2	232.6	228.1	232.3	227.8
Dyeing and finishing textiles. ....	93.9	92.2	94.0	94.5	82.9	81.2	82.9	83.7
Carpets, rugs, other floor coverings. ....	55.8	54.5	56.7	48.7	46.8	45.8	47.9	40.5
Hats (except cloth and millinery). ....	18.2	17.9	18.1	16.6	16.4	16.1	16.3	15.0
Miscellaneous textile goods. ....	73.0	70.5	73.0	67.3	63.1	60.6	63.2	58.0

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1953	July 1953	June 1953	Aug. 1952	Aug. 1953	July 1953	June 1953	Aug. 1952
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	1,233.4	1,172.1	1,200.1	1,211.6	1,107.4	1,047.3	1,072.2	1,087.6
Men's and boys' suits and coats..	142.8	131.3	140.7	135.6	129.7	118.1	126.9	122.4
Men's and boys' furnishings and work clothing.....	311.9	296.4	311.0	292.5	289.4	274.2	287.6	271.2
Women's outerwear.....	379.0	353.3	349.7	378.2	338.0	313.0	308.8	339.0
Women's, children's under garments.....	105.3	104.1	108.5	106.4	93.9	92.6	96.3	94.3
Millinery.....	21.9	19.7	17.4	24.0	19.5	17.4	15.1	21.3
Children's outerwear.....	67.0	65.2	67.8	66.5	60.8	59.2	61.8	60.8
Fur goods.....	10.5	11.9	12.0	13.4	8.2	9.6	9.6	10.7
Miscellaneous apparel and accessories.....	65.9	63.2	64.5	66.4	58.4	55.9	57.3	59.0
Other fabricated textile products.....	129.1	127.0	128.5	128.6	109.5	107.3	108.8	108.9
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	792.5	787.1	800.1	828.1	723.8	717.2	730.9	758.5
Logging camps and contractors....	87.3	88.2	89.6	98.5	81.2	82.9	83.8	93.5
Sawmills and planing mills.....	465.7	458.4	465.7	484.7	432.4	423.9	431.9	449.9
Millwork, plywood, and prefabricated structural wood products..	119.0	119.3	123.1	125.5	100.6	100.2	104.4	107.0
Wooden containers.....	60.6	61.7	61.8	59.5	56.3	57.4	57.4	54.9
Miscellaneous wood products.....	59.9	59.5	59.9	59.9	53.3	52.8	53.4	53.2
<b>FURNITURE AND FIXTURES.....</b>	371.9	370.2	371.6	359.0	317.5	316.1	317.4	306.9
Household furniture.....	263.1	261.6	264.2	256.4	230.5	229.5	231.5	224.6
Office, public-building, and professional furniture.....	39.7	39.3	39.0	39.7	32.6	32.1	32.0	33.0
Partitions, shelving, lockers, and fixtures.....	37.6	37.1	36.7	33.9	29.3	28.9	28.5	26.5
Screens, blinds, and miscellaneous furniture and fixtures.....	31.5	32.2	31.7	29.0	25.1	25.6	25.4	22.8
<b>PAPER AND ALLIED PRODUCTS.....</b>	541.3	533.6	535.9	507.8	451.4	443.1	445.6	424.6
Pulp, paper, and paperboard mills.....	267.2	265.3	264.9	259.3	226.9	225.0	225.2	221.5
Paperboard containers and boxes..	146.3	141.3	143.8	130.0	121.1	115.8	117.8	107.4
Other paper and allied products..	127.8	127.0	127.2	118.5	103.4	102.3	102.6	95.7
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	778.4	777.2	779.7	758.0	499.9	498.5	501.6	489.8
Newspapers.....	293.6	292.8	293.8	287.1	146.8	146.7	147.8	143.8
Periodicals.....	64.7	65.0	65.0	63.5	27.3	27.8	27.8	27.9
Books.....	47.5	47.1	46.9	44.9	27.8	27.3	27.5	26.9
Commercial printing.....	192.7	193.2	194.3	190.3	157.8	157.9	158.9	156.2
Lithographing.....	54.2	53.6	54.1	52.0	42.1	41.4	41.9	40.2
Greeting cards.....	19.0	18.9	18.9	18.5	14.6	14.4	14.3	14.3
Bookbinding and related industries.....	45.2	45.0	44.9	42.8	35.6	35.3	35.4	33.8
Miscellaneous publishing and printing services.....	61.5	61.6	61.8	58.9	47.9	47.7	48.0	46.7

# Industry Data

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1953	July 1953	June 1953	Aug. 1952	Aug. 1953	July 1953	June 1953	Aug. 1952
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	754.9	752.7	753.2	733.2	512.7	510.6	513.1	502.6
Industrial inorganic chemicals.....	85.2	85.7	84.7	82.0	60.1	61.0	60.1	58.2
Industrial organic chemicals.....	281.5	280.6	278.1	261.2	198.2	196.4	195.0	185.3
Drugs and medicines.....	94.0	94.2	94.6	99.0	58.0	58.2	58.8	62.0
Soap, cleaning and polishing preparations.....	49.4	49.4	49.7	49.2	30.4	30.6	31.1	31.2
Paints, pigments, and fillers.....	75.9	76.2	75.6	72.5	47.6	48.5	48.4	46.1
Gum and wood chemicals.....	7.6	7.5	7.4	7.6	6.5	6.4	6.3	6.5
Fertilizers.....	31.0	29.9	33.0	31.5	23.3	22.2	25.2	24.1
Vegetable and animal oils and fats.....	38.1	36.2	37.3	38.5	27.4	25.4	26.3	27.0
Miscellaneous chemicals.....	92.2	93.0	92.8	91.7	61.2	61.9	61.9	62.2
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	266.3	266.0	264.3	264.9	190.1	190.6	189.7	191.1
Petroleum refining.....	211.9	211.4	209.4	210.1	145.8	145.9	144.5	146.4
Coke and other petroleum and coal products.....	54.4	54.6	54.9	54.8	44.3	44.7	45.2	44.7
<b>RUBBER PRODUCTS.....</b>	271.2	269.7	276.3	258.1	215.6	213.6	220.3	203.1
Tires and inner tubes.....	115.3	116.3	118.1	114.5	90.2	90.7	92.4	88.6
Rubber footwear.....	29.4	28.1	29.1	28.2	23.7	22.6	23.5	22.7
Other rubber products.....	126.5	125.3	129.1	115.4	101.7	100.3	104.4	91.8
<b>LEATHER AND LEATHER PRODUCTS.....</b>	391.3	383.8	390.2	393.5	351.3	343.9	350.9	355.2
Leather: tanned, curried, and finished.....	47.1	46.8	47.6	47.0	42.5	42.1	42.9	42.3
Industrial leather belting and packing.....	5.2	5.3	5.4	5.1	4.3	4.3	4.5	4.3
Boot and shoe cut stock and findings.....	17.5	17.8	18.0	17.7	15.6	15.9	16.1	15.9
Footwear (except rubber).....	253.2	248.0	254.5	256.5	228.7	223.5	230.5	233.4
Luggage.....	18.7	18.4	19.2	18.0	16.2	16.0	16.8	15.7
Handbags and small leather goods.....	30.0	28.8	26.7	28.3	26.7	25.6	23.6	25.3
Gloves and miscellaneous leather goods.....	19.6	18.7	18.8	20.9	17.3	16.5	16.5	18.3
<b>STONE, CLAY, AND GLASS PRODUCTS....</b>	545.3	537.6	547.7	530.7	462.8	455.0	465.4	450.9
Flat glass.....	35.4	35.0	34.9	32.7	31.5	31.2	31.0	29.0
Glass and glassware, pressed or blown.....	103.5	100.2	105.4	95.9	89.6	86.3	91.6	83.0
Glass products made of purchased glass.....	16.2	16.2	16.9	15.7	14.1	14.1	14.7	13.4
Cement, hydraulic.....	41.9	41.8	40.9	41.0	35.3	35.2	34.4	34.8
Structural clay products.....	79.1	79.8	80.3	83.0	71.0	71.7	72.1	74.8
Pottery and related products.....	52.5	48.1	54.3	56.3	46.5	42.1	48.3	50.3
Concrete, gypsum, and plaster products.....	108.2	108.0	105.8	104.2	90.1	89.5	87.4	85.6
Cut-stone and stone products.....	18.8	18.3	18.5	16.7	16.5	16.1	16.3	14.5
Miscellaneous nonmetallic mineral products.....	89.7	90.2	90.7	85.2	68.2	68.8	69.6	65.5

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1953	July 1953	June 1953	Aug. 1952	Aug. 1953	July 1953	June 1953	Aug. 1952
<b>PRIMARY METAL INDUSTRIES.....</b>	1,333.1	1,336.1	1,346.0	1,257.8	1,131.7	1,133.2	1,143.1	1,068.2
Blast furnaces, steel works, and rolling mills.....	665.3	663.8	662.1	615.9	570.4	569.2	567.2	530.4
Iron and steel foundries.....	243.5	244.8	248.7	245.6	213.5	214.7	219.5	216.0
Primary smelting and refining of nonferrous metals.....	52.3	52.5	52.5	51.4	43.5	43.5	43.4	42.6
Secondary smelting and refining of nonferrous metals.....	12.6	12.6	12.8	12.1	9.4	9.3	9.5	8.9
Rolling, drawing, and alloying of nonferrous metals.....	121.0	120.0	123.8	109.7	98.4	96.9	100.5	88.6
Nonferrous foundries.....	92.9	95.4	96.6	87.4	77.6	79.6	80.6	72.5
Miscellaneous primary metal industries.....	145.5	147.0	149.5	135.7	118.9	120.0	122.4	109.2
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	1,161.6	1,150.3	1,168.0	1,017.1	948.2	937.0	956.3	821.2
Tin cans and other tinware.....	63.6	61.0	59.7	59.9	56.6	53.8	52.7	53.2
Cutlery, hand tools, and hardware.....	159.2	158.7	164.6	140.1	131.8	130.8	136.4	113.8
Heating apparatus (except electric) and plumbers' supplies.....	152.1	150.6	153.4	143.5	122.1	120.0	123.3	114.8
Fabricated structural metal products.....	284.4	278.6	279.7	254.2	217.9	213.9	216.1	195.7
Metal stamping, coating, and engraving.....	236.4	236.9	242.1	184.7	199.5	199.5	204.8	150.9
Lighting fixtures.....	50.5	49.5	50.1	43.0	41.5	40.7	41.1	34.7
Fabricated wire products.....	71.2	71.7	72.4	61.2	59.8	60.4	60.9	50.5
Miscellaneous fabricated metal products.....	144.2	143.3	146.0	130.5	119.0	117.9	121.0	107.6
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	1,642.8	1,671.7	1,698.4	1,578.0	1,241.0	1,268.2	1,300.0	1,193.3
Engines and turbines.....	89.5	94.6	95.5	83.5	63.9	68.8	70.2	60.0
Agricultural machinery and tractors.....	169.5	178.7	184.5	157.8	126.0	134.6	140.5	113.1
Construction and mining machinery.....	130.8	132.9	133.5	130.0	96.9	99.3	99.9	97.8
Metalworking machinery.....	281.9	281.8	285.8	277.6	222.4	221.7	227.1	221.6
Special-industry machinery (except metalworking machinery).....	186.9	187.8	191.0	189.0	136.3	137.3	140.6	140.1
General industrial machinery.....	234.9	237.5	236.9	228.8	164.3	166.5	167.2	160.9
Office and store machines and devices.....	109.8	110.9	112.0	108.9	89.5	89.8	90.7	88.8
Service-industry and household machines.....	199.1	204.3	213.3	179.8	151.6	156.9	166.4	137.2
Miscellaneous machinery parts.....	240.4	243.2	245.9	222.6	190.1	193.3	197.4	173.8
<b>ELECTRICAL MACHINERY.....</b>	1,201.7	1,184.2	1,194.8	1,047.2	907.4	895.2	910.6	782.2
Electrical generating, transmission, distribution, and industrial apparatus.....	392.8	392.4	393.7	354.5	282.0	283.0	287.5	252.5
Electrical appliances.....	69.3	70.2	70.9	53.1	58.1	58.8	59.2	42.8
Insulated wire and cable.....	34.4	34.2	35.4	31.2	28.5	28.3	29.5	25.9
Electrical equipment for vehicles.....	88.7	89.4	90.9	73.2	72.4	73.5	75.3	57.6
Electric lamps.....	27.6	27.5	27.3	23.4	24.2	24.1	24.0	19.9
Communication equipment.....	540.4	522.0	529.2	463.6	404.9	390.4	398.8	346.1
Miscellaneous electrical products.....	48.5	48.5	47.4	48.2	37.3	37.1	36.3	37.4

# Industry Data

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

(In thousands)

Industry group and industry	All employees				Production workers			
	Aug. 1953	July 1953	June 1953	Aug. 1952	Aug. 1953	July 1953	June 1953	Aug. 1952
<b>TRANSPORTATION EQUIPMENT.....</b>	1,911.4	1,921.4	1,950.8	1,585.1	1,499.3	1,510.2	1,548.3	1,220.9
Automobiles.....	925.9	940.8	969.4	672.5	756.9	772.6	803.4	523.6
Aircraft and parts.....	748.8	743.2	733.6	669.1	543.3	538.0	534.8	490.3
Aircraft.....	454.9	449.6	444.5	432.9	327.5	323.2	321.8	317.3
Aircraft engines and parts.....	168.8	169.9	165.9	137.9	119.9	120.0	118.3	98.4
Aircraft propellers and parts...	16.2	16.3	16.4	14.2	11.7	12.0	12.1	10.2
Other aircraft parts and equipment.....	108.9	107.4	106.8	84.1	84.2	82.8	82.6	64.4
Ship and boat building and repairing.....	147.6	152.2	153.9	155.2	129.5	134.0	135.5	136.8
Ship building and repairing.....	122.8	126.1	127.1	134.0	107.6	110.8	111.6	117.9
Boat building and repairing.....	24.8	26.1	26.8	21.2	21.9	23.2	23.9	18.9
Railroad equipment.....	75.3	71.4	80.0	75.0	57.9	53.9	62.9	58.9
Other transportation equipment...	13.8	13.8	13.9	13.3	11.7	11.7	11.7	11.3
<b>INSTRUMENTS AND RELATED PRODUCTS..</b>	331.5	333.1	335.4	310.6	240.3	242.2	245.1	226.0
Laboratory, scientific, and engineering instruments.....	52.7	54.3	54.0	49.6	31.8	33.5	33.8	31.7
Mechanical measuring and controlling instruments.....	81.4	82.3	82.6	73.6	58.1	58.8	59.6	52.2
Optical instruments and lenses...	12.4	12.4	12.3	12.2	9.9	9.9	9.7	9.6
Surgical, medical, and dental instruments.....	40.6	40.7	41.2	39.3	29.1	29.2	29.5	28.1
Ophthalmic goods.....	28.1	27.9	28.4	27.3	22.5	22.3	22.8	22.0
Photographic apparatus.....	70.1	69.6	69.4	67.5	49.3	49.2	48.8	47.3
Watches and clocks.....	46.2	45.9	47.5	41.1	39.6	39.3	40.9	35.1
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>	506.0	488.9	501.5	455.1	419.4	402.9	414.9	374.5
Jewelry, silverware, and plated ware.....	55.2	52.6	54.9	49.1	45.2	42.8	44.7	39.6
Musical instruments and parts....	18.1	17.6	18.0	16.5	15.8	15.3	15.6	14.1
Toys and sporting goods.....	91.4	87.6	88.1	81.0	79.4	75.4	75.7	70.1
Pens, pencils, and other office supplies.....	32.4	31.9	32.3	31.1	24.3	23.8	24.4	23.4
Costume jewelry, buttons, notions	71.4	68.0	68.1	62.8	60.4	56.9	57.2	51.8
Fabricated plastic products.....	75.6	73.8	75.5	65.7	63.0	61.0	63.0	54.6
Other manufacturing industries...	161.9	157.4	164.6	148.9	131.3	127.7	134.3	120.9



# Employment and Payroll

**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.....	13,135	106.2	129.6
1952.....	13,044	105.5	135.3
<u>Monthly data:</u>			
<u>1952</u>			
June.....	12,476	100.9	127.3
July.....	12,229	98.9	122.2
August.....	13,069	105.7	134.2
September.....	13,477	109.0	143.3
October.....	13,560	109.6	145.7
November.....	13,634	110.2	146.3
December.....	13,699	110.8	150.9
<u>1953</u>			
January.....	13,619	110.1	148.4
February.....	13,733	111.0	149.3
March.....	13,831	111.8	151.9
April.....	13,758	111.2	150.0
May.....	13,699	110.8	149.9
June.....	13,787	111.5	150.8
July.....	13,656	110.4	149.1
August.....	13,852	112.0	151.7

# Industry Indexes

**Table A-5: Indexes of all employees in selected manufacturing industries**

(1951 average = 100.0)

Industry	1953			1952	
	June	May	April	June	May
<b>FOOD AND KINDRED PRODUCTS:</b>					
Meat packing, wholesale.....	96.9	95.8	95.6	98.4	98.8
Sausages and casings.....	107.1	105.4	104.5	102.4	101.1
Condensed and evaporated milk.....	102.9	100.2	96.0	103.9	100.5
Ice cream and ices.....	110.5	103.2	98.7	112.0	105.9
Sea food, canned and cured.....	108.5	103.4	91.7	105.5	66.6
Canned fruits, vegetables, and soups.....	74.4	68.4	64.6	81.9	69.6
Flour and other grain-mill products.....	97.9	97.2	97.5	101.4	99.4
Prepared feeds.....	109.0	103.1	101.1	105.3	103.1
Bread and other bakery products.....	103.6	102.3	101.4	100.8	97.7
Biscuits, crackers, and pretzels.....	100.0	98.1	97.3	95.0	91.1
Cane-sugar refining.....	97.5	95.8	95.5	100.4	99.3
Beet sugar.....	63.7	56.4	55.7	65.8	61.6
Confectionery.....	88.4	87.9	89.8	89.8	88.8
Bottled soft drinks.....	116.3	106.9	103.5	113.6	105.3
Malt liquors.....	102.6	104.6	100.7	106.0	100.6
Distilled, rectified, and blended liquors...	84.8	85.6	82.9	84.3	87.7
Corn sirup, sugar, oil, and starch.....	99.6	98.8	99.2	97.2	93.4
Manufactured ice.....	105.6	93.9	89.9	107.0	96.2
<b>TEXTILE-MILL PRODUCTS:</b>					
Yarn mills.....	96.0	94.6	95.3	92.7	91.1
Thread mills.....	85.8	86.3	87.4	86.9	83.4
Cotton, silk, synthetic fiber.....	93.2	92.9	93.1	91.1	91.0
Woolen and worsted.....	83.7	82.4	81.2	81.9	79.8
Full-fashioned hosiery.....	89.0	89.1	90.2	92.2	92.1
Seamless hosiery.....	104.7	104.7	106.2	99.8	97.7
Knit outerwear.....	130.8	128.7	125.2	109.2	104.1
Knit underwear.....	109.6	108.6	108.3	95.1	93.8
Dyeing and finishing textiles (except wool)...	99.7	99.4	101.5	95.4	95.7
Wool carpets, rugs, and carpet yarn.....	92.6	92.2	96.5	58.0	92.2
Felt goods (except woven felts and hats)....	102.0	101.6	103.8	92.8	92.3
Lace goods.....	96.4	94.8	97.3	88.5	91.3
Paddings and upholstery filling.....	119.0	115.4	111.9	88.8	91.5
Processed waste and recovered fibers.....	95.7	93.4	96.4	86.5	85.0
Artificial leather, oilcloth, and other coated fabrics.....	104.9	103.3	104.3	98.1	99.5
Cordage and twine.....	91.2	92.1	93.6	84.7	85.4
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS:</b>					
Shirts, collars, and nightwear.....	107.1	106.5	107.4	96.1	96.5
Separate trousers.....	111.6	112.2	112.0	98.1	96.9
Work shirts.....	109.4	108.5	108.5	104.8	102.9
Women's dresses.....	89.2	95.8	103.0	89.4	102.8
Household apparel.....	108.9	113.8	114.3	105.3	105.6
Women's suits, coats, and skirts.....	85.0	56.4	61.9	80.0	56.4
Underwear and nightwear, except corsets....	101.3	105.6	109.0	98.2	99.5
Corsets and allied garments.....	115.4	114.9	115.1	107.3	105.8
Curtains, draperies, and other house-furnishings.....	97.7	99.7	104.5	95.6	96.5
Textile bags.....	87.6	89.8	93.9	88.1	86.5
Canvas products.....	110.8	109.3	108.5	102.9	100.7
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE):</b>					
Sawmills and planing mills, general.....	97.5	95.4	94.1	98.6	89.9
Millwork.....	93.8	93.8	95.7	91.7	88.1
Plywood.....	100.3	98.6	98.4	94.3	81.4
Wooden boxes, other than cigar.....	99.0	98.7	97.3	97.3	96.3

Table A-5: Indexes of all employees in selected manufacturing industries - Continued

(1951 average = 100.0)

Industry	1953			1952	
	June	May	April	June	May
<b>FURNITURE AND FIXTURES:</b>					
Wood household furniture, except upholstered.....	102.1	103.8	105.6	93.7	93.8
Wood household furniture, upholstered.....	105.3	106.9	109.2	100.1	99.9
Mattresses and bedsprings.....	97.3	99.8	102.3	95.8	94.5
Wood office furniture.....	81.4	81.2	84.3	88.6	90.9
Metal office furniture.....	105.9	111.3	113.4	109.6	107.6
<b>PAPER AND ALLIED PRODUCTS:</b>					
Paperboard boxes.....	108.9	106.6	107.0	95.7	94.0
Fiber cans, tubes, and drums.....	111.0	109.7	109.8	95.8	92.7
<b>CHEMICALS AND ALLIED PRODUCTS:</b>					
Alkalies and chlorine.....	104.5	103.2	103.1	102.2	100.8
Plastics, except synthetic rubber.....	104.5	103.9	104.0	95.8	94.5
Synthetic rubber.....	107.6	106.2	105.2	103.2	102.5
Synthetic fibers.....	93.1	92.0	91.6	83.9	81.1
Explosives.....	186.2	178.4	172.6	148.9	145.0
Soap and glycerin.....	94.7	94.6	95.7	95.4	95.0
Paints, varnishes, lacquers, and enamels....	103.5	102.6	102.6	99.6	99.8
Vegetable oils.....	72.4	76.1	82.5	75.9	82.0
Animal oils and fats.....	92.8	91.4	90.5	92.2	90.6
Essential oils, perfumes, cosmetics.....	106.7	105.9	105.4	105.3	103.8
Compressed and liquified gases.....	104.1	103.0	102.9	105.1	105.6
<b>STONE, CLAY, AND GLASS PRODUCTS:</b>					
Glass containers.....	111.4	108.8	106.0	101.1	97.9
Pressed and blown glass.....	103.6	103.7	106.9	94.9	95.6
Brick and hollow tile.....	96.0	91.7	89.3	99.2	90.6
Floor and wall tile.....	87.9	87.8	87.5	92.8	93.0
Sewer pipe.....	101.0	100.2	98.4	103.0	98.6
Clay refractories.....	90.3	89.4	91.1	97.4	97.9
Concrete products.....	106.2	104.6	103.8	104.2	99.6
Abrasive products.....	101.4	99.9	99.8	93.8	94.5
Asbestos products.....	96.6	96.3	97.0	97.1	95.6
Nonclay refractories.....	94.8	94.0	94.1	82.9	95.0
<b>PRIMARY METAL INDUSTRIES:</b>					
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	102.9	101.9	102.0	34.3	98.6
Electrometallurgical products.....	104.9	104.7	104.8	95.0	104.9
Gray-iron foundries.....	88.9	89.7	90.9	90.1	90.6
Malleable-iron foundries.....	92.6	90.6	91.6	90.2	90.9
Steel foundries.....	104.5	106.1	106.6	105.7	108.8
Primary smelting and refining of copper, lead, and zinc.....	97.4	97.0	95.3	97.7	98.9
Primary refining of aluminum.....	126.4	124.3	122.4	111.4	107.4
Rolling, drawing, and alloying of copper....	104.5	105.7	105.4	94.7	99.3
Rolling, drawing, and alloying of aluminum..	124.6	122.4	122.3	102.0	100.0
Iron and steel forgings.....	107.9	108.2	109.2	105.0	106.6
Wire drawing.....	100.6	100.0	100.4	75.5	96.0
Welded and heavy-riveted pipe.....	115.3	113.5	113.6	78.1	97.3

# Industry Indexes

Table A-5: Indexes of all employees in selected manufacturing industries - Continued

(1951 average = 100.0)

Industry	1953			1952	
	June	May	April	June	May
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT):</b>					
Cutlery and edge tools.....	92.1	92.6	93.6	85.2	90.1
Hand tools.....	93.2	92.9	93.6	89.1	90.7
Hardware.....	109.1	109.8	107.5	93.1	93.1
Sanitary ware and plumbers' supplies.....	94.8	95.3	96.1	88.6	87.7
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified....	111.5	111.5	112.5	98.5	96.9
Structural steel and ornamental metal work..	118.4	115.6	114.9	90.1	104.4
Metal doors, sash, frames, molding, and trim.....	115.4	112.7	110.8	91.8	98.1
Boiler-shop products.....	116.3	115.2	114.3	107.5	110.7
Sheet-metal work.....	111.5	109.7	108.4	96.9	103.5
Vitreous-enameled products.....	100.9	104.9	105.3	88.0	89.3
Stamped and pressed metal products.....	122.8	122.2	121.5	96.2	95.7
Metal shipping barrels, drums, kegs, and pails.....	111.4	108.4	108.1	73.1	106.0
Steel springs.....	105.2	103.8	104.4	94.8	95.6
Bolts, nuts, washers, and rivets.....	102.5	102.4	103.0	91.5	98.9
Screw-machine products.....	116.2	117.2	117.3	107.1	106.8
<b>MACHINERY (EXCEPT ELECTRICAL):</b>					
Steam engines, turbines, and water wheels...	113.8	113.0	112.2	106.0	105.5
Diesel and other internal-combustion engines, not elsewhere classified.....	118.7	119.0	119.6	114.2	112.3
Tractors.....	95.5	97.4	99.6	106.7	106.2
Agricultural machinery(except tractors)....	90.6	91.5	92.8	98.4	99.8
Construction and mining machinery, except for oil fields.....	110.1	107.0	106.6	109.0	110.6
Oil-field machinery and tools.....	112.3	112.8	114.4	111.2	112.4
Machine tools.....	112.4	112.2	112.6	113.6	113.2
Metalworking machinery (except machine tools).....	109.6	109.5	107.8	103.9	102.2
Machine-tool accessories.....	106.5	106.4	106.6	104.9	105.0
Food-products machinery.....	105.4	104.0	104.2	103.8	103.5
Textile machinery.....	83.3	83.0	83.5	86.1	86.3
Paper-industries machinery.....	99.8	100.3	100.4	104.4	104.3
Printing-trades machinery and equipment....	99.9	99.7	99.7	94.2	94.1
Pumps, air and gas compressors.....	104.4	103.8	104.0	99.6	100.6
Conveyors and conveying equipment.....	105.7	104.7	104.8	105.7	104.9
Blowers, exhaust and ventilating fans.....	118.1	113.5	115.5	104.3	104.2
Industrial trucks, tractors, etc.....	104.6	102.7	102.4	103.5	103.2
Mechanical power-transmission equipment....	101.0	99.9	99.4	99.5	100.4
Mechanical stokers and industrial furnaces and ovens.....	106.4	104.1	103.4	105.4	104.1
Computing machines and cash registers.....	104.4	104.2	104.2	102.4	103.0
Typewriters.....	98.2	99.4	101.7	99.2	98.5
Domestic laundry equipment.....	109.1	110.6	117.4	103.1	103.6
Commercial laundry, dry-cleaning, and pressing machines.....	116.2	115.3	114.6	112.5	111.8
Sewing machines.....	81.0	82.5	85.2	86.3	85.8
Refrigerators and air-conditioning units....	129.5	134.6	137.5	95.1	102.2
Fabricated pipe, fittings, and valves.....	104.5	104.2	104.1	101.5	101.6
Ball and roller bearings.....	106.5	106.2	108.8	106.4	106.4
Machine shops (job and repair).....	110.8	112.5	113.8	106.6	104.9

Table A-5: Indexes of all employees in selected manufacturing industries - Continued

(1951 average = 100.0)

Industry	1953			1952	
	June	May	April	June	May
<b>ELECTRICAL MACHINERY:</b>					
Wiring devices and supplies.....	98.8	99.2	99.1	92.0	93.3
Carbon and graphite products (electrical)...	103.1	103.3	103.3	100.6	98.9
Electrical indicating, measuring, and recording instruments.....	123.1	122.4	122.4	114.2	112.2
Motors, generators, and motor-generator sets.....	113.2	113.0	113.0	101.7	101.5
Power and distribution transformers.....	111.0	111.7	111.6	103.5	103.1
Switchgear, switchboard, and industrial controls.....	112.8	112.2	111.4	103.5	103.7
Electrical welding apparatus.....	117.4	120.1	120.3	117.4	116.2
Radios, phonographs, television sets, and equipment.....	136.8	139.4	140.8	107.8	106.8
Radio tubes.....	122.1	123.0	124.3	106.8	106.5
Telephone, telegraph, and related equipment.....	118.8	118.8	120.2	116.0	113.9
Storage batteries.....	97.1	95.3	92.0	95.2	93.8
Primary batteries (dry and wet).....	116.5	117.0	118.8	107.2	105.6
X-ray and non-radio electronic tubes.....	99.7	99.9	113.6	106.3	112.7
<b>TRANSPORTATION EQUIPMENT:</b>					
Motor vehicles, bodies, parts, and accessories.....	115.9	117.3	118.6	96.4	95.4
Truck and bus bodies.....	90.5	93.9	94.6	94.3	92.9
Trailers (truck and automobile).....	104.0	108.5	109.0	84.6	91.0
Locomotives and parts.....	99.0	101.2	101.5	108.2	107.0
Railroad and street cars.....	120.6	113.5	114.3	104.2	108.0
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES:</b>					
Jewelry and findings.....	104.2	102.8	104.4	89.9	89.0
Silverware and plated ware.....	93.9	93.0	92.0	85.0	86.1
Games, toys, dolls, and children's vehicles.....	121.4	118.5	112.0	107.0	100.0
Sporting and athletic goods.....	115.5	116.5	116.4	91.3	87.9

# Ship Building

**Table A-6: Employees in the ship building and repairing industry,  
by region**

(In thousands)

Region <u>1</u> /	1953			1952	
	August	July	June	August	July
ALL REGIONS.....	244.2	249.5	252.0	269.3	269.0
PRIVATE YARDS.....	122.8	126.1	127.1	134.0	133.5
NAVY YARDS.....	121.4	123.4	124.9	135.3	135.5
NORTH ATLANTIC.....	113.9	115.4	116.6	129.1	127.0
Private yards.....	58.5	60.3	60.6	67.4	66.1
Navy yards <u>2</u> /.....	55.4	55.1	56.0	61.7	60.9
SOUTH ATLANTIC.....	43.1	43.8	43.8	45.6	45.7
Private yards.....	20.2	20.2	20.0	20.6	20.4
Navy yards.....	22.9	23.6	23.8	25.0	25.3
GULF:					
Private yards.....	20.6	20.3	20.4	21.2	20.8
PACIFIC.....	55.9	57.9	59.2	61.0	62.3
Private yards.....	12.8	13.2	14.1	12.4	13.0
Navy yards.....	43.1	44.7	45.1	48.6	49.3
GREAT LAKES:					
Private yards.....	4.6	6.2	6.7	7.8	8.3
INLAND:					
Private yards.....	6.1	5.9	5.3	4.6	4.9

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-7: Federal civilian employment

(In thousands)

Branch and agency	1953			1952	
	August	July	June	August	July
<b>TOTAL FEDERAL <sup>1/</sup></b> .....	<b>2,248</b>	<b>2,271</b>	<b>2,285</b>	<b>2,387</b>	<b>2,400</b>
<b>Executive <sup>2/</sup></b> .....	<b>2,221.6</b>	<b>2,244.5</b>	<b>2,258.8</b>	<b>2,360.7</b>	<b>2,373.6</b>
Department of Defense.....	1,113.0	1,128.2	1,138.1	1,212.2	1,217.8
Post Office Department. <sup>3/</sup> .....	484.6	488.2	486.0	490.2	490.2
Other agencies.....	624.0	628.1	634.7	658.3	665.6
Legislative.....	22.2	22.2	22.3	22.5	22.5
Judicial.....	3.9	3.9	3.9	3.8	3.8
<b>District of Columbia <sup>4/</sup></b> .....	<b>235.2</b>	<b>238.3</b>	<b>242.2</b>	<b>257.0</b>	<b>260.1</b>
<b>Executive <sup>2/</sup></b> .....	<b>214.2</b>	<b>217.3</b>	<b>221.1</b>	<b>235.5</b>	<b>238.6</b>
Department of Defense.....	88.9	89.6	90.1	93.7	94.5
Post Office Department. <sup>3/</sup> .....	7.9	8.0	8.1	8.1	8.2
Other agencies.....	117.4	119.7	122.9	133.7	135.9
Legislative.....	20.3	20.3	20.4	20.7	20.7
Judicial.....	.7	.7	.7	.8	.8

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

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

<sup>3/</sup> Post Office Department employment was not available beginning with February 1953, and the January figure was used through June. Beginning with July 1953 actual data are reported.

<sup>4/</sup> Includes all federal civilian employment in Washington Standard Metropolitan Area (District of Columbia and adjacent Maryland and Virginia counties).

# State Data

**Table A-8: Employees in nonagricultural establishments,  
by industry division and State**  
(In thousands)

State	Total			Mining			Contract construction		
	1953		1952	1953		1952	1953		1952
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	682.3	678.6	678.5	18.4	18.3	20.3	40.8	40.6	44.1
Arizona.....	198.2	199.4	193.8	13.1	12.7	12.8	17.0	16.7	16.3
Arkansas.....	308.1	307.9	316.0	6.1	6.2	6.6	16.7	16.8	25.6
California.....	3,975.3	3,905.1	3,852.8	37.1	37.2	36.5	269.6	248.6	266.1
Colorado.....	423.0	422.3	427.4	11.8	11.8	11.9	28.1	28.3	31.5
Connecticut.....	879.6	877.8	838.7	(2/)	(2/)	(2/)	43.5	44.4	45.7
Delaware.....	-	-	-	-	-	-	-	-	-
District of Columbia.....	500.3	507.3	525.7	(3/)	(3/)	(3/)	17.0	18.1	19.4
Florida.....	783.5	778.8	753.0	7.4	7.2	6.9	79.1	77.6	74.6
Georgia.....	890.9	886.6	877.0	4.4	4.3	4.5	48.2	48.1	48.2
Idaho.....	140.8	141.1	144.7	4.6	4.7	5.6	11.5	11.3	11.7
Illinois.....	3,405.4	3,386.7	3,313.0	36.6	35.6	38.7	163.2	164.3	170.6
Indiana.....	1,398.9	1,403.8	1,343.4	13.0	13.0	15.1	62.7	62.1	71.2
Iowa.....	647.3	641.9	631.3	3.0	3.0	3.6	39.4	36.8	36.8
Kansas.....	551.2	551.5	545.0	18.8	18.7	18.5	38.5	36.2	41.3
Kentucky.....	-	-	-	43.7	43.2	51.0	-	-	-
Louisiana.....	688.5	681.6	676.8	33.3	32.0	29.8	57.3	55.4	61.3
Maine.....	286.4	286.5	290.9	.4	.5	.7	14.2	14.0	13.8
Maryland.....	786.8	780.4	778.8	3.0	3.0	3.0	58.8	57.9	59.5
Massachusetts.....	1,800.7	1,795.3	1,790.3	(3/)	(3/)	(3/)	65.6	65.0	74.1
Michigan.....	-	-	-	-	-	-	-	-	-
Minnesota.....	864.7	855.8	841.5	20.2	20.1	17.5	42.8	41.9	43.9
Mississippi.....	-	-	-	-	-	-	-	-	-
Missouri.....	1,293.3	1,280.4	1,265.5	8.6	8.5	9.2	62.7	56.6	68.0
Montana.....	163.6	161.6	162.7	11.3	11.0	11.4	11.8	12.2	14.2
Nebraska.....	347.4	348.3	345.2	1.9	1.9	1.9	19.6	19.3	21.4
Nevada.....	75.9	75.6	70.1	4.8	4.7	4.6	10.2	10.3	7.8
New Hampshire.....	(4/)	177.3	175.9	(4/)	.2	.1	(4/)	7.8	7.1
New Jersey.....	1,833.4	1,826.2	1,807.8	4.6	4.6	4.7	100.0	98.7	101.4
New Mexico.....	175.0	175.6	170.6	14.8	15.4	15.0	13.6	13.4	14.7
New York.....	5,967.6	5,946.2	5,888.0	12.4	11.9	12.0	218.1	227.6	236.3
North Carolina.....	1,000.7	987.8	993.6	3.7	3.7	3.7	59.0	59.3	61.2
North Dakota.....	117.5	117.6	116.8	2.1	2.2	1.8	10.7	10.6	11.3
Ohio.....	3,097.6	3,085.3	2,934.6	23.8	23.8	25.5	185.0	175.3	164.9
Oklahoma.....	525.2	526.9	522.4	45.8	45.3	47.2	30.5	31.9	32.7
Oregon.....	479.1	479.8	486.4	1.4	1.3	1.3	30.4	29.1	29.7
Pennsylvania.....	3,739.3	3,729.0	3,688.5	140.8	139.7	163.4	177.3	166.9	177.0
Rhode Island.....	304.1	303.9	303.8	(3/)	(3/)	(3/)	16.3	15.4	18.2
South Carolina.....	526.0	522.0	530.4	1.2	1.2	1.2	55.5	54.8	61.7
South Dakota.....	118.9	119.4	122.5	2.4	2.4	2.4	9.4	9.5	11.0
Tennessee.....	831.6	829.9	813.4	9.2	9.2	10.6	55.1	54.5	53.7
Texas.....	2,269.6	2,275.3	2,243.8	132.0	130.8	127.4	161.2	166.6	181.6
Utah.....	216.5	216.3	221.8	13.4	13.4	13.2	12.4	10.8	14.5
Vermont.....	105.7	104.3	100.2	1.2	1.2	.7	4.7	4.6	4.4
Virginia.....	901.2	902.0	902.0	17.1	17.4	21.1	63.8	64.4	70.6
Washington.....	756.3	758.9	759.0	2.7	2.7	2.9	51.2	50.5	48.9
West Virginia.....	505.4	501.2	520.9	100.2	100.2	115.0	17.2	16.7	17.0
Wisconsin.....	1,108.2	1,107.5	1,082.6	4.2	4.1	4.3	56.4	56.6	58.3
Wyoming.....	88.3	88.5	93.1	9.9	9.8	10.1	5.7	5.6	8.6

See footnotes at end of table.



Table A-8: Employees in nonagricultural establishments,  
by industry division and State - Continued

(In thousands)

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1953		1952	1953		1952	1953		1952
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	236.2	232.8	229.5	53.5	53.1	54.1	138.0	136.6	134.1
Arizona.....	27.3	28.1	27.7	21.8	22.6	20.8	48.7	49.1	47.5
Arkansas.....	78.9	78.5	80.5	31.7	31.6	30.7	76.1	75.8	73.5
California.....	1,128.5	1,084.1	1,069.4	345.0	346.0	337.3	893.2	887.4	867.8
Colorado.....	69.5	68.3	68.6	46.9	46.9	46.6	107.9	106.4	106.2
Connecticut.....	452.7	448.5	422.0	42.7	42.2	42.4	142.8	143.7	135.9
Delaware.....	66.4	63.2	63.4	-	-	-	-	-	-
District of Columbia.....	17.0	16.9	17.0	32.1	31.9	32.2	92.8	94.3	93.9
Florida.....	115.9	115.4	109.4	72.5	72.7	71.1	228.5	225.9	217.8
Georgia.....	315.2	310.9	304.6	74.0	74.0	72.8	193.1	191.8	193.0
Idaho.....	26.8	26.6	27.2	17.3	17.2	17.6	35.4	35.2	36.8
Illinois.....	1,333.3	1,314.1	1,245.0	311.8	311.1	304.5	694.7	695.9	694.8
Indiana.....	662.8	665.4	606.2	103.4	108.3	105.0	278.6	276.5	269.7
Iowa.....	172.9	170.9	165.0	64.2	64.2	62.0	161.5	160.7	162.9
Kansas.....	139.4	140.9	135.7	70.3	70.4	68.3	130.5	131.4	129.3
Kentucky.....	154.5	155.1	147.5	60.0	59.9	60.6	120.6	120.4	121.8
Louisiana.....	162.6	160.0	152.7	81.3	80.7	82.1	153.4	152.4	151.5
Maine.....	120.3	120.1	123.8	19.8	19.8	20.1	52.5	52.7	52.5
Maryland.....	284.1	277.8	280.4	73.3	72.8	74.0	146.3	148.0	142.6
Massachusetts.....	727.6	720.2	715.0	116.8	116.8	117.4	367.4	369.3	368.6
Michigan.....	1,196.0	1,217.6	1,013.2	-	-	-	-	-	-
Minnesota.....	232.2	228.0	219.4	97.6	96.1	95.7	209.2	208.6	206.5
Mississippi.....	97.9	98.3	95.6	25.7	25.1	24.8	-	-	-
Missouri.....	427.9	418.6	392.1	134.4	134.5	134.0	308.0	309.5	314.6
Montana.....	20.0	19.9	19.6	25.1	24.5	24.2	40.9	40.8	40.4
Nebraska.....	61.1	62.0	61.1	46.7	46.7	44.9	95.0	95.2	93.6
Nevada.....	4.4	4.4	4.5	9.2	9.3	9.3	15.3	15.1	14.2
New Hampshire.....	(4/)	81.1	81.2	(4/)	11.0	10.9	(4/)	31.1	30.4
New Jersey.....	842.9	831.7	825.3	156.9	156.5	150.4	300.1	303.5	299.9
New Mexico.....	17.0	17.3	16.1	20.4	20.3	18.8	41.2	41.0	38.4
New York.....	2,014.5	1,969.0	1,950.3	518.6	517.8	514.3	1,244.9	1,254.7	1,238.4
North Carolina.....	446.2	433.4	439.0	65.0	64.9	63.3	191.4	189.9	191.0
North Dakota.....	6.7	6.7	6.5	14.6	14.6	14.5	36.5	36.6	36.2
Ohio.....	1,411.3	1,408.1	1,292.7	247.6	246.9	236.4	564.6	565.2	552.7
Oklahoma.....	86.6	85.3	81.0	51.7	52.0	51.0	129.5	129.8	127.4
Oregon.....	153.4	154.9	162.6	49.9	50.1	50.4	107.1	107.1	107.2
Pennsylvania.....	1,524.5	1,521.1	1,459.5	353.2	352.2	344.5	668.9	672.6	671.6
Rhode Island.....	146.4	145.8	142.8	16.5	16.5	16.7	51.9	52.3	52.4
South Carolina.....	223.2	220.7	221.1	28.5	28.6	28.2	95.4	94.3	95.7
South Dakota.....	12.2	12.2	12.3	10.4	10.4	10.3	37.3	37.5	39.3
Tennessee.....	295.6	294.0	278.4	61.4	61.3	61.0	178.1	177.9	177.8
Texas.....	438.1	438.6	429.0	235.1	235.5	235.1	606.2	606.0	587.8
Utah.....	33.1	34.6	33.2	23.3	23.3	23.6	49.4	49.2	49.4
Vermont.....	41.1	39.9	37.5	8.7	8.8	8.7	18.7	18.7	18.2
Virginia.....	256.9	254.8	250.6	86.5	86.5	86.0	199.4	199.8	196.2
Washington.....	204.9	207.5	207.5	70.5	70.3	70.6	169.3	170.2	169.7
West Virginia.....	138.8	135.1	135.5	53.9	53.9	55.1	83.2	82.7	85.5
Wisconsin.....	482.5	479.4	460.6	81.2	81.1	79.8	223.6	225.9	222.0
Wyoming.....	6.9	6.8	6.7	16.4	16.5	16.5	19.6	19.8	20.6

See footnotes at end of table.

# State Data

**Table A-8: Employees in nonagricultural establishments,  
by industry division and State - Continued**  
(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	1953		1952	1953		1952	1953		1952
	Aug.	July	Aug.	Aug.	July	Aug.	Aug.	July	Aug.
Alabama.....	22.0	21.8	20.1	54.4	54.4	56.5	119.0	121.0	119.8
Arizona.....	6.8	6.8	6.2	24.7	24.5	23.2	38.8	38.9	39.3
Arkansas.....	9.0	8.9	8.7	35.8	36.0	36.5	53.8	54.1	53.9
California.* 1/.....	173.6	174.2	167.9	504.1	501.0	483.3	624.2	626.6	624.5
Colorado.....	17.3	17.5	16.5	64.5	64.5	65.2	77.0	78.6	80.8
Connecticut.....	42.7	43.3	40.7	83.8	84.2	82.2	71.4	71.5	69.8
Delaware.....	-	-	-	-	-	-	12.0	12.0	11.8
District of Columbia.* 2/.....	23.7	23.7	23.3	62.5	63.6	63.3	255.2	258.8	276.6
Florida.....	38.3	38.2	35.5	112.3	111.9	109.2	129.5	129.9	128.5
Georgia.....	30.3	30.3	29.3	86.4	86.7	84.7	139.3	140.5	139.9
Idaho.....	4.2	4.2	4.0	15.5	15.7	16.2	25.5	26.2	25.6
Illinois.....	164.5	165.2	161.0	367.5	365.8	365.1	333.9	334.7	333.4
Indiana.....	43.0	43.1	40.9	91.7	91.3	91.4	143.7	144.2	143.8
Iowa.....	27.1	27.2	26.2	77.7	77.5	74.9	101.6	101.8	100.2
Kansas. 1/.....	17.5	17.6	17.3	55.3	55.2	54.1	80.9	81.1	80.5
Kentucky.....	17.0	17.0	16.8	62.5	62.5	62.6	86.8	87.3	88.4
Louisiana.....	21.3	21.2	20.8	73.4	73.6	73.2	105.9	106.3	105.4
Maine.....	7.3	7.2	7.1	28.8	29.0	28.6	43.1	43.2	44.3
Maryland. 2/.....	35.9	35.7	33.4	81.0	80.2	78.9	104.4	105.0	107.0
Massachusetts.....	88.8	89.0	85.4	203.7	204.0	201.0	230.8	231.0	228.8
Michigan.....	-	-	-	-	-	-	230.4	230.9	227.8
Minnesota.....	39.0	39.0	38.5	101.2	99.3	99.1	122.5	122.8	120.9
Mississippi.....	8.2	8.2	8.2	-	-	-	67.4	67.6	66.8
Missouri.....	59.5	59.2	57.3	148.0	148.8	144.1	144.2	144.7	146.2
Montana.....	5.0	5.0	4.7	21.5	20.7	20.2	28.0	27.5	28.0
Nebraska.....	18.4	18.5	17.7	43.1	43.0	42.9	61.5	61.7	61.6
Nevada. 1/.....	1.7	1.6	1.4	18.5	18.4	16.4	11.8	11.8	11.9
New Hampshire.....	(4/)	4.9	4.8	(4/)	22.1	22.5	(4/)	19.1	18.8
New Jersey.....	62.4	62.9	61.8	179.8	181.2	178.2	186.7	187.1	186.1
New Mexico.....	5.2	5.3	5.3	24.1	24.1	23.8	38.7	38.8	38.5
New York.....	410.0	411.0	405.4	814.4	819.5	806.6	734.6	734.7	724.6
North Carolina.....	25.6	25.7	24.3	91.9	92.5	93.6	117.9	118.4	117.5
North Dakota.....	4.2	4.1	4.1	12.6	12.8	12.6	30.1	30.1	29.8
Ohio.....	90.6	90.8	88.4	257.2	256.9	255.8	317.4	318.4	318.2
Oklahoma.....	19.0	18.9	18.9	57.8	58.4	58.0	104.3	105.3	106.2
Oregon.....	15.8	15.9	15.8	54.4	54.5	52.3	66.7	66.9	67.1
Pennsylvania.....	129.8	130.2	127.1	364.3	364.5	362.9	380.5	381.8	382.5
Rhode Island.....	11.6	11.6	11.6	27.3	28.2	27.8	34.1	34.1	34.3
South Carolina.....	12.4	12.4	11.8	40.3	40.2	39.8	69.5	69.8	70.9
South Dakota.* 1/.....	4.8	4.9	4.7	14.6	14.6	14.9	27.9	28.0	27.7
Tennessee.....	26.2	26.2	25.6	85.2	85.6	84.8	120.8	121.2	121.5
Texas.....	97.5	97.3	91.8	280.0	279.8	270.5	319.5	320.7	320.6
Utah.....	7.6	7.6	7.0	22.4	22.4	22.3	54.9	55.0	58.6
Vermont.....	3.2	3.1	3.0	12.0	12.0	11.8	16.0	16.0	15.7
Virginia. 2/.....	36.2	36.3	33.4	84.2	85.0	84.2	157.1	157.8	159.9
Washington.....	28.7	28.8	28.0	86.5	85.8	85.1	142.5	143.1	146.3
West Virginia.....	11.1	11.1	11.1	42.4	42.6	43.3	58.6	58.9	58.4
Wisconsin.....	36.0	36.2	34.8	100.6	100.3	99.9	123.8	123.9	122.9
Wyoming.....	2.0	2.0	1.9	12.2	12.5	13.0	15.6	15.5	15.7

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

**Table A-9: Employees in nonagricultural establishments,  
by industry division for selected areas**  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>ALABAMA</b>				<b>Los Angeles * - Continued</b>			
<u>Birmingham</u>				Trade.....	412.5	410.8	391.8
Total.....	190.7	189.1	188.0	Finance.....	82.4	82.1	79.2
Mining.....	13.1	13.0	14.4	Service.....	250.2	249.7	239.6
Contract construction...	10.9	10.8	11.3	Government.....	191.1	190.9	186.1
Manufacturing.....	62.8	61.5	59.7	<u>Sacramento</u>			
Trans. and pub. util....	17.9	17.9	18.0	Manufacturing.....	15.2	10.5	14.2
Trade.....	42.6	42.5	41.6	<u>San Diego</u>			
Finance.....	9.6	9.6	9.3	Total.....	188.0	187.1	186.1
Service.....	19.0	19.0	18.9	Mining.....	.2	.2	.2
Government.....	15.0	15.0	14.8	Contract construction...	13.2	13.5	14.3
<u>Mobile</u>				Manufacturing.....	50.2	49.5	50.3
Manufacturing.....	16.4	16.3	17.2	Trans. and pub. util....	10.7	10.8	10.2
<b>ARIZONA</b>				Trade.....	42.0	42.1	39.5
<u>Phoenix</u>				Finance.....	6.0	6.0	5.5
Total.....	91.9	93.0	88.6	Service.....	26.1	25.1	24.4
Mining.....	.2	.2	.2	Government.....	39.6	39.9	41.7
Contract construction...	7.9	8.1	7.5	<u>San Francisco-Oakland</u>			
Manufacturing.....	15.4	16.1	14.0	Total.....	896.7	882.2	894.4
Trans. and pub. util....	10.1	10.2	9.9	Mining.....	1.4	1.4	1.5
Trade.....	26.3	26.5	25.5	Contract construction...	61.3	49.6	65.5
Finance.....	4.7	4.7	4.2	Manufacturing.....	200.9	195.5	190.5
Service.....	11.3	11.1	10.8	Trans. and pub. util....	101.8	103.5	103.0
Government.....	16.0	16.1	16.5	Trade.....	200.6	199.9	196.3
<u>Tucson</u>				Finance.....	55.6	55.6	55.6
Total.....	42.3	42.7	43.5	Service.....	107.6	107.5	106.2
Mining.....	1.6	1.6	1.5	Government.....	167.5	169.2	175.8
Contract construction...	4.5	4.4	5.1	<u>San Jose</u>			
Manufacturing.....	6.0	6.1	7.9	Manufacturing.....	40.5	32.0	38.4
Trans. and pub. util....	5.2	5.6	5.0	<u>Stockton</u>			
Trade.....	9.5	9.6	9.4	Manufacturing.....	18.2	14.9	18.3
Finance.....	1.3	1.3	1.3				
Service.....	6.7	6.7	5.9				
Government.....	7.5	7.4	7.4				
<b>ARKANSAS</b>				<b>COLORADO</b>			
<u>Little Rock-</u>				<u>Denver</u>			
<u>W. Little Rock</u>				Mining.....	1.2	1.2	1.2
Total.....	70.0	71.0	69.4	Contract construction...	20.0	20.1	19.8
Contract construction...	5.6	5.7	5.8	Manufacturing.....	45.4	44.6	44.7
Manufacturing.....	12.1	13.0	12.5	Trans. and pub. util....	27.7	27.7	27.3
Trans. and pub. util....	8.8	8.8	8.8	Trade.....	63.0	62.3	62.7
Trade.....	18.2	18.2	17.9	Finance.....	12.1	12.2	11.7
Finance.....	3.8	3.8	3.7				
Service 1/.....	9.9	9.8	9.2				
Government.....	11.7	11.8	11.6				
<b>CALIFORNIA</b>				<b>CONNECTICUT</b>			
<u>Fresno</u>				<u>Bridgeport</u>			
Manufacturing.....	15.3	14.1	14.2	Total.....	122.0	122.3	119.8
<u>Los Angeles * 2/</u>				Contract construction 1/	5.8	5.9	6.2
Total.....	1,847.4	1,838.2	1,754.1	Manufacturing.....	72.4	72.4	69.9
Mining.....	16.0	15.8	15.8	Trans. and pub. util....	5.5	5.4	5.6
Contract construction...	121.8	121.4	112.5	Trade.....	19.0	19.2	19.0
Manufacturing.....	649.0	643.5	608.5	Finance.....	2.2	2.2	2.1
Trans. and pub. util....	124.4	124.0	120.6	Service.....	9.9	10.0	10.0
				Government.....	7.2	7.1	7.1

See footnotes at end of table.

# Area Data

**Table A-9: Employees in nonagricultural establishments.**  
by industry division for selected areas - Continued  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953	1952	1951		1953	1952	1951
	Aug.	July	Aug.		Aug.	July	Aug.
<b>CONNECTICUT - Continued</b>				<b>Washington * - Continued</b>			
<u>Hartford</u>				Trans. and pub. util....	44.5	44.0	43.9
Total.....	198.5	199.5	191.1	Trade.....	124.6	126.3	125.6
Contract construction 1/	10.4	10.4	10.4	Finance.....	31.1	31.0	30.9
Manufacturing.....	78.7	78.5	74.1	Service 1/.....	80.1	81.6	79.6
Trans. and pub. util....	7.6	7.6	7.6	Government.....	264.9	268.5	286.3
Trade.....	38.3	39.0	36.8				
Finance.....	26.3	26.7	25.7	<b>FLORIDA</b>			
Service.....	20.7	20.8	20.4	<u>Jacksonville</u>			
Government.....	16.6	16.6	16.3	Total.....	108.4	108.6	109.0
<b>New Britain</b>				Contract construction...	8.1	8.2	9.7
Total.....	42.5	42.4	39.5	Manufacturing.....	18.1	17.8	18.4
Contract construction 1/	1.1	1.1	1.1	Trans. and pub. util....	14.8	14.9	14.0
Manufacturing.....	29.4	29.2	26.9	Trade.....	33.0	33.1	32.3
Trans. and pub. util....	1.9	1.9	1.9	Finance.....	6.7	6.7	6.4
Trade.....	4.8	4.8	4.5	Service 1/.....	13.1	13.0	12.8
Finance.....	.6	.6	.6	Government.....	14.8	14.9	15.5
Service.....	2.4	2.5	2.4				
Government.....	2.3	2.3	2.1	<u>Miami</u>			
<b>New Haven</b>				Total.....	184.8	184.4	173.0
Total.....	121.0	120.8	117.8	Contract construction...	19.7	19.0	17.7
Contract construction 1/	6.6	6.4	6.5	Manufacturing.....	18.2	18.5	16.5
Manufacturing.....	49.5	49.3	45.8	Trans. and pub. util....	25.9	26.0	24.1
Trans. and pub. util....	11.6	11.5	11.9	Trade.....	58.5	58.5	55.2
Trade.....	22.1	22.3	22.5	Finance.....	10.3	10.4	9.7
Finance.....	5.5	5.5	5.4	Service 1/.....	33.4	33.3	32.4
Service.....	18.0	18.1	18.1	Government.....	18.9	18.9	17.5
Government.....	7.7	7.7	7.7				
<b>Stamford</b>				<u>Tampa-St. Petersburg</u>			
Total.....	51.4	51.5	48.6	Total.....	110.6	110.6	106.4
Contract construction 1/	4.1	4.1	4.0	Contract construction...	10.7	10.7	10.5
Manufacturing.....	23.7	24.0	22.2	Manufacturing.....	22.1	22.2	20.8
Trans. and pub. util....	2.6	2.6	2.5	Trans. and pub. util....	10.2	10.1	10.3
Trade.....	9.2	9.2	8.7	Trade.....	35.6	35.5	34.0
Finance.....	1.5	1.5	1.4	Finance.....	5.1	5.1	5.0
Service.....	6.8	6.7	6.5	Service 1/.....	13.9	13.9	13.4
Government.....	3.5	3.5	3.4	Government.....	13.2	13.2	12.6
<b>Waterbury</b>							
Total.....	72.3	71.2	62.1	<b>GEORGIA</b>			
Contract construction 1/	2.3	2.3	2.6	<u>Atlanta</u>			
Manufacturing.....	48.3	47.2	38.2	Total.....	292.3	290.6	280.9
Trans. and pub. util....	2.7	2.7	2.7	Contract construction...	15.5	15.3	15.0
Trade.....	8.9	8.9	8.7	Manufacturing.....	80.4	78.9	69.8
Finance.....	1.2	1.2	1.1	Trans. and pub. util....	33.3	33.2	32.1
Service.....	4.1	4.2	4.2	Trade.....	79.3	79.5	78.3
Government.....	4.6	4.6	4.7	Finance.....	18.4	18.3	18.0
				Service 1/.....	33.6	33.5	34.2
<b>DELAWARE</b>				Government.....	31.8	31.9	33.5
<u>Wilmington</u>							
Manufacturing.....	59.9	57.2	54.9	<u>Savannah</u>			
<b>DISTRICT OF COLUMBIA</b>				Total.....	48.5	48.4	47.8
<u>Washington *</u>				Contract construction...	4.5	4.6	4.2
Total.....	608.5	615.7	634.8	Manufacturing.....	14.0	13.8	13.6
Contract construction...	35.9	37.2	41.4	Trans. and pub. util....	6.8	6.9	7.0
Manufacturing.....	27.4	27.1	27.1	Trade.....	11.2	11.1	11.0
				Finance.....	1.4	1.4	1.3
				Service 1/.....	5.6	5.6	5.5
				Government.....	5.0	5.0	5.2

See footnotes at end of table.

**Table A-9: Employees in nonagricultural establishments,  
by industry division for selected areas - Continued**  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>IDAHO</b>				<b>KANSAS</b>			
<u>Boise</u>				<u>Topeka</u>			
Total.....	20.3	20.4	20.6	Total.....	44.6	44.9	45.7
Contract construction...	2.2	2.3	2.1	Mining.....	.1	.2	.2
Manufacturing.....	1.7	1.6	1.7	Contract construction...	2.7	2.7	4.4
Trans. and pub. util....	2.5	2.6	2.6	Manufacturing.....	6.0	6.1	5.6
Trade.....	5.9	5.9	6.4	Trans. and pub. util....	8.1	8.1	8.0
Finance.....	1.2	1.2	1.2	Trade.....	9.3	9.3	9.3
Service.....	2.9	2.9	2.9	Finance.....	2.2	2.2	2.0
Government.....	3.9	3.9	3.7	Service.....	5.0	5.0	4.9
				Government.....	11.4	11.5	11.4
<b>ILLINOIS</b>				<u>Wichita</u>			
<u>Davenport-Rock Island-</u>				Total.....	117.9	118.7	118.6
<u>Moline</u>				Mining.....	1.3	1.3	1.1
Manufacturing.....	(3/)	(3/)	39.3	Contract construction...	7.2	7.2	7.1
				Manufacturing.....	53.3	54.0	56.6
<u>Peoria</u>				Trans. and pub. util....	8.0	7.9	7.5
Manufacturing.....	(3/)	(3/)	35.3	Trade.....	24.2	24.3	23.8
				Finance.....	4.0	4.1	4.0
<u>Rockford</u>				Service.....	11.2	11.2	10.7
Manufacturing.....	(3/)	(3/)	40.8	Government.....	8.9	8.9	7.9
<b>INDIANA</b>				<b>LOUISIANA</b>			
<u>Evansville</u>				<u>Baton Rouge</u>			
Total.....	66.5	72.4	67.5	Manufacturing.....	19.5	19.4	18.6
Manufacturing.....	36.0	41.6	36.8	Trade.....	11.3	11.2	11.0
Nonmanufacturing.....	30.5	30.8	30.7	Finance.....	1.6	1.6	1.6
<u>Fort Wayne</u>				<u>New Orleans</u>			
Total.....	83.5	82.9	77.4	Total.....	264.8	263.7	263.7
Manufacturing.....	41.8	41.8	37.2	Mining.....	4.1	4.0	4.0
Nonmanufacturing.....	41.7	41.1	40.2	Contract construction...	16.5	16.5	21.2
				Manufacturing.....	57.1	56.5	52.1
<u>Indianapolis</u>				Trans. and pub. util....	42.9	43.0	43.2
Total.....	278.0	278.7	274.4	Trade.....	64.1	63.6	65.1
Contract construction...	10.9	10.3	12.2	Finance.....	11.4	11.4	11.2
Trade.....	64.3	64.3	63.0	Service.....	34.8	34.9	34.3
Finance.....	15.0	15.0	14.6	Government.....	34.2	34.0	32.8
All others.....	187.8	189.1	184.5				
				<b>MAINE</b>			
<u>South Bend</u>				<u>Lewiston</u>			
Total.....	96.5	96.5	81.0	Total.....	28.9	29.1	29.3
Manufacturing.....	57.9	57.0	41.8	Contract construction...	1.3	1.5	1.3
Trade.....	15.4	15.6	15.6	Manufacturing.....	16.2	16.2	16.4
Other nonmanufacturing..	23.2	23.9	23.6	Trans. and pub. util....	1.2	1.2	1.2
				Trade.....	5.1	5.0	5.1
				Finance.....	.6	.6	.6
				Service 1/.....	3.5	3.6	3.6
				Government.....	1.0	1.0	1.1
<b>IOWA</b>							
<u>Des Moines</u>				<u>Portland</u>			
Total.....	91.0	90.1	88.6	Total.....	52.1	52.0	51.0
Contract construction...	4.9	4.4	4.3	Contract construction...	3.7	3.6	2.8
Manufacturing.....	23.2	22.8	21.2	Manufacturing.....	13.3	13.2	13.3
Trans. and pub. util....	7.9	7.9	7.6	Trans. and pub. util....	6.2	6.2	6.2
Trade.....	23.9	23.8	24.5	Trade.....	14.5	14.6	14.3
Finance.....	9.3	9.3	9.2	Finance.....	3.0	3.0	2.9
Service 1/.....	11.9	11.9	12.0	Service 1/.....	8.1	8.0	8.1
Government.....	10.1	10.1	10.0	Government.....	3.3	3.4	3.4

See footnotes at end of table.

# Area Data

**Table A-9: Employees in nonagricultural establishments.**  
by industry division for selected areas - Continued  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>MARYLAND</b>				<b>MICHIGAN</b>			
<u>Baltimore</u>				<u>Detroit</u>			
Total.....	543.0	541.6	530.7	Manufacturing.....	702.8	724.2	573.0
Mining.....	.4	.4	.4				
Contract construction...	41.4	40.3	40.9	<b>MINNESOTA</b>			
Manufacturing.....	203.8	202.5	195.6	<u>Duluth</u>			
Trans. and pub. util....	55.7	55.3	56.1	Total.....	43.0	42.2	41.6
Trade.....	102.2	103.4	99.1	Contract construction...	2.3	2.0	2.0
Finance.....	27.6	27.4	25.8	Manufacturing.....	11.0	10.3	10.5
Service.....	55.8	56.1	55.3	Trans. and pub. util....	7.5	7.6	7.5
Government.....	56.1	56.2	57.5	Trade.....	10.9	10.9	10.5
				Finance.....	1.6	1.5	1.4
				Service 1/.....	5.8	5.8	5.7
				Government.....	3.9	4.0	3.9
<b>MASSACHUSETTS</b>							
<u>Boston</u>				<u>Minneapolis</u>			
Total.....	973.6	969.0	963.5	Total.....	268.2	264.9	262.2
Contract construction...	47.7	47.2	48.4	Contract construction...	14.4	13.8	14.7
Manufacturing.....	305.1	299.0	300.2	Manufacturing.....	79.9	79.0	74.8
Trans. and pub. util....	75.1	75.0	73.7	Trans. and pub. util....	27.5	26.9	27.6
Trade.....	220.0	221.2	220.5	Trade.....	75.8	75.9	74.8
Finance.....	63.9	64.2	61.8	Finance.....	17.8	17.6	17.6
Service 1/.....	127.7	128.0	126.3	Service 1/.....	29.1	27.6	28.4
Government.....	134.1	134.4	132.6	Government.....	23.8	23.9	24.4
<u>Fall River</u>				<u>St. Paul</u>			
Total.....	49.2	48.6	48.2	Total.....	148.1	147.4	143.7
Manufacturing.....	29.7	29.1	28.4	Contract construction...	6.8	6.6	7.3
Trans. and pub. util....	2.5	2.5	2.5	Manufacturing.....	43.9	43.8	40.3
Trade.....	7.9	7.9	8.1	Trans. and pub. util....	20.9	20.7	21.1
Government.....	4.5	4.5	4.4	Trade.....	34.9	34.8	34.0
Other nonmanufacturing..	4.6	4.6	4.8	Finance.....	9.2	9.2	9.1
				Service 1/.....	15.9	16.0	15.5
<u>New Bedford</u>				Government.....	16.5	16.5	16.5
Total.....	54.0	53.3	53.1				
Contract construction...	1.4	1.4	1.5	<b>MISSISSIPPI</b>			
Manufacturing.....	31.4	30.8	31.0	<u>Jackson</u>			
Trans. and pub. util....	2.2	2.2	2.0	Manufacturing.....	9.0	9.3	9.6
Trade.....	8.6	8.5	8.5				
Government.....	4.6	4.6	4.5	<b>MISSOURI</b>			
Other nonmanufacturing..	5.8	5.8	5.6	<u>Kansas City</u>			
				Total.....	371.7	359.0	366.7
<u>Springfield-Holyoke</u>				Mining.....	.8	.8	.9
Total.....	160.4	162.3	161.5	Contract construction...	18.9	4.6	19.9
Contract construction...	4.7	4.7	5.8	Manufacturing.....	121.3	121.5	114.2
Manufacturing.....	73.9	74.8	73.1	Trans. and pub. util....	46.3	46.4	45.9
Trans. and pub. util....	9.1	9.0	9.2	Trade.....	95.3	95.6	96.5
Trade.....	30.3	31.2	30.8	Finance.....	20.4	20.3	20.5
Finance.....	6.3	6.4	6.0	Service.....	38.9	39.9	38.8
Service 1/.....	15.0	15.0	15.1	Government.....	29.8	29.9	30.0
Government.....	21.1	21.2	21.5				
<u>Worcester</u>				<u>St. Louis</u>			
Total.....	106.6	106.3	106.1	Manufacturing.....	304.6	299.7	283.2
Contract construction...	4.1	4.1	4.2				
Manufacturing.....	53.5	52.9	53.4	<b>MONTANA</b>			
Trans. and pub. util....	5.2	5.3	5.5	<u>Great Falls</u>			
Trade.....	19.7	19.9	19.4	Manufacturing.....	2.9	3.0	3.0
Finance.....	4.2	4.2	4.0	Trans. and pub. util....	2.8	2.8	2.8
Service 1/.....	9.5	9.5	9.5	Trade.....	5.7	5.7	5.6
Government.....	10.4	10.4	10.1	Service 1/.....	3.4	3.5	3.3

See footnotes at end of table.

**Table A-9: Employees in nonagricultural establishments,  
by industry division for selected areas - Continued**

(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>NEBRASKA</b>				<b>Albany-Schenectady-</b>			
<u>Omaha</u>				<u>Troy - Continued</u>			
Total.....	144.0	143.6	142.4	Trans. and pub. util....	18.0	18.0	18.1
Contract construction...	8.0	7.9	8.8	Trade.....	40.2	40.2	40.5
Manufacturing.....	31.8	31.8	32.1	Government.....	39.5	39.5	40.4
Trans. and pub. util....	25.6	25.6	24.0	Other nonmanufacturing..	28.0	28.1	28.2
Trade.....	35.4	35.5	35.4				
Finance.....	10.7	10.8	10.3	<u>Binghamton</u>			
Service 1/.....	17.9	17.9	17.5	Total.....	78.1	77.7	73.9
Government.....	14.6	14.4	14.6	Contract construction...	3.6	3.4	2.8
				Manufacturing.....	42.7	42.8	39.6
<b>NEVADA</b>				Trans. and pub. util....	4.0	4.0	3.8
<u>Reno 2/</u>				Trade.....	13.5	13.3	13.5
Contract construction...	1.6	1.6	1.7	Other nonmanufacturing..	14.3	14.2	14.1
Manufacturing 1/.....	1.9	1.9	2.1				
Trans. and pub. util....	2.9	2.9	3.2	<u>Buffalo</u>			
Trade.....	6.1	5.9	5.8	Total.....	455.2	454.1	430.6
Finance.....	.8	.8	.7	Contract construction...	20.0	19.5	19.0
Service.....	6.3	6.5	5.9	Manufacturing.....	221.4	220.3	202.3
				Trans. and pub. util....	42.0	41.4	40.1
<b>NEW HAMPSHIRE</b>				Trade.....	81.7	82.1	79.4
<u>Manchester</u>				Finance.....	13.4	13.3	12.7
Total.....	(3/)	40.3	40.5	Service 1/.....	43.9	44.4	44.0
Contract construction...	(3/)	1.5	1.3	Government.....	33.0	33.1	33.1
Manufacturing.....	(3/)	20.4	21.0				
Trans. and pub. util....	(3/)	2.4	2.4	<u>Elmira</u>			
Trade.....	(3/)	7.4	7.2	Total.....	33.5	33.8	31.5
Finance.....	(3/)	1.8	1.7	Manufacturing.....	17.4	17.6	16.0
Service.....	(3/)	4.3	4.3	Trade.....	6.4	6.5	6.2
Government.....	(3/)	2.6	2.6	Other nonmanufacturing..	9.7	9.7	9.3
<b>NEW JERSEY</b>				<u>Nassau and Suffolk</u>			
<u>Newark-Jersey City 5/</u>				<u>Counties 5/</u>			
Manufacturing.....	390.6	388.9	380.3	Manufacturing.....	95.8	95.1	86.6
<u>Paterson 5/</u>				<u>New York-Northeastern</u>			
Manufacturing.....	182.8	181.5	180.0	<u>New Jersey</u>			
				Manufacturing.....	1,820.8	1,770.5	1,795.6
<u>Perth Amboy 5/</u>							
Manufacturing.....	86.2	85.1	81.8	<u>New York City 5/</u>			
				Total.....	3,547.7	3,531.9	3,576.8
<u>Trenton</u>				Mining.....	1.9	2.0	1.9
Manufacturing.....	43.9	44.2	41.8	Contract construction...	72.4	89.2	103.9
				Manufacturing.....	1,003.6	957.2	1,009.7
<b>NEW MEXICO</b>				Trans. and pub. util....	343.7	343.5	342.7
<u>Albuquerque 2/</u>				Trade.....	802.6	811.7	807.0
Total.....	52.3	53.0	51.1	Finance.....	340.9	341.6	337.5
Contract construction...	3.9	4.2	4.7	Service.....	550.8	554.8	546.6
Manufacturing.....	8.8	9.0	8.1	Government.....	431.7	431.8	427.5
Trans. and pub. util....	5.3	5.3	5.4				
Trade.....	14.3	14.3	13.4	<u>Rochester</u>			
Finance.....	2.5	2.5	2.8	Total.....	217.0	216.5	206.9
Service 1/.....	7.0	7.1	6.8	Contract construction...	9.6	9.2	9.3
Government.....	10.5	10.6	9.9	Manufacturing.....	118.7	118.4	109.5
				Trans. and pub. util....	11.5	11.5	11.5
<b>NEW YORK</b>				Trade.....	35.9	36.1	35.7
<u>Albany-Schenectady-Troy</u>				Finance.....	6.4	6.4	6.1
Total.....	224.9	225.6	223.2	Other nonmanufacturing..	34.9	34.9	34.7
Contract construction...	8.1	8.1	7.5				
Manufacturing.....	91.1	91.7	88.5				

See footnotes at end of table.

# Area Data

**Table A-9: Employees in nonagricultural establishments,  
by industry division for selected areas - Continued**  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>NEW YORK - Continued</b>				<b>Tulsa - Continued</b>			
<u>Syracuse</u>				Trade.....	26.5	26.5	25.9
Total.....	147.2	146.1	141.8	Finance.....	5.2	5.2	4.9
Contract construction...	6.7	6.2	7.1	Service.....	14.3	14.3	13.7
Manufacturing.....	65.4	64.3	60.6	Government.....	5.7	5.7	5.9
Trans. and pub. util....	12.3	12.1	12.2				
Trade.....	29.5	30.0	28.6	<b>OREGON</b>			
Other nonmanufacturing..	33.3	33.4	33.3	<u>Portland</u>			
				Contract construction...	16.5	16.0	16.8
<u>Utica-Rome</u>				Manufacturing.....	62.2	64.7	65.1
Total.....	100.6	100.2	95.0	Trans. and pub. util....	31.1	31.4	32.2
Contract construction...	2.3	2.8	3.4	Trade.....	61.7	61.6	62.2
Manufacturing.....	49.2	48.6	43.4	Finance.....	12.1	12.2	12.2
Trans. and pub. util....	7.0	6.9	7.0				
Trade.....	15.0	14.9	14.4	<b>PENNSYLVANIA</b>			
Finance.....	3.0	3.0	2.9	<u>Allentown-Bethlehem-</u>			
Service.....	7.6	7.6	7.5	<u>Easton</u>			
Government.....	16.5	16.5	16.4	Manufacturing.....	102.5	101.3	101.7
<u>Westchester County 5/</u>				<u>Erie 2/</u>			
Manufacturing.....	51.4	52.3	47.4	Manufacturing.....	46.0	46.2	43.5
<b>NORTH CAROLINA</b>				<u>Harrisburg</u>			
<u>Charlotte</u>				Manufacturing.....	38.5	37.9	37.7
Contract construction...	5.5	5.6	6.8				
Manufacturing.....	21.4	21.3	21.3	<u>Lancaster</u>			
Trans. and pub. util....	10.1	10.1	9.7	Manufacturing.....	46.2	46.1	43.2
Trade.....	26.1	25.7	25.4				
Finance.....	4.8	4.9	4.5	<u>Philadelphia</u>			
				Manufacturing.....	617.4	614.7	586.8
<u>Greeneboro-High Point</u>							
Manufacturing.....	39.7	39.5	39.0	<u>Pittsburgh</u>			
				Mining.....	27.9	27.8	31.3
<b>NORTH DAKOTA</b>				Manufacturing.....	380.8	381.6	356.6
<u>Fargo</u>				Trans. and pub. util....	73.9	74.4	73.0
Manufacturing.....	2.3	2.2	2.1	Finance.....	28.5	28.8	29.3
Trans. and pub. util....	2.3	2.4	2.3				
Trade.....	7.5	7.5	7.4	<u>Reading</u>			
Finance.....	1.3	1.3	1.3	Manufacturing.....	52.7	51.8	51.7
Service.....	2.6	2.6	2.6				
Government.....	2.7	2.7	2.8	<u>Scranton 2/</u>			
				Manufacturing.....	31.8	31.3	31.5
<b>OKLAHOMA</b>							
<u>Oklahoma City</u>				<u>Wilkes-Barre-Hazleton 2/</u>			
Total.....	135.6	136.8	139.2	Manufacturing.....	38.4	38.2	38.4
Mining.....	7.0	7.0	7.1				
Contract construction...	10.1	10.1	10.7	<u>York</u>			
Manufacturing.....	16.3	16.6	15.5	Manufacturing.....	48.7	48.2	45.5
Trans. and pub. util....	11.1	11.2	11.1				
Trade.....	36.0	36.2	36.6	<b>RHODE ISLAND</b>			
Finance.....	7.2	7.2	7.1	<u>Providence</u>			
Service.....	16.9	16.9	17.3	Total.....	290.9	291.8	292.7
Government.....	31.2	31.7	34.0	Contract construction...	14.5	13.7	16.2
				Manufacturing.....	145.6	146.0	144.5
<u>Tulsa</u>				Trans. and pub. util....	14.7	14.7	14.9
Total.....	115.6	114.0	108.3	Trade.....	49.5	49.9	49.9
Mining.....	10.8	10.8	11.1	Finance.....	11.4	11.4	11.4
Contract construction...	8.3	7.9	7.3	Service 1/.....	25.2	26.1	25.8
Manufacturing.....	32.3	31.2	27.4	Government.....	30.0	30.0	30.0
Trans. and pub. util....	12.6	12.6	12.2				

See footnotes at end of table.



**Table A-9: Employees in nonagricultural establishments,  
by industry division for selected areas - Continued**  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>SOUTH CAROLINA</b>				<b>Nashville 2/</b>			
<u>Charleston</u>				Total.....	125.1	125.3	121.4
Total.....	51.3	52.0	53.0	Contract construction 1/	11.1	10.5	11.0
Contract construction...	4.1	4.1	5.0	Manufacturing.....	37.0	38.1	34.4
Manufacturing.....	9.5	9.5	9.2	Trans. and pub. util....	12.3	12.3	11.8
Trans. and pub. util....	4.4	4.4	4.1	Trade.....	26.3	26.1	26.5
Trade.....	11.7	11.7	11.4	Finance.....	7.1	7.1	6.5
Finance.....	1.7	1.7	1.6	Service.....	17.2	17.1	17.1
Service 1/.....	4.2	4.3	4.2	Government.....	14.2	14.3	14.2
Government.....	15.9	16.4	17.7				
<u>Columbia</u>				<b>UTAH</b>			
Manufacturing.....	7.9	7.9	8.0	<u>Salt Lake City</u>			
<u>Greenville</u>				Total.....	106.4	105.6	105.3
Manufacturing.....	29.4	29.6	29.1	Mining.....	6.4	6.4	6.4
				Contract construction...	7.6	6.8	8.0
<b>SOUTH DAKOTA</b>				Manufacturing.....	16.6	16.7	16.4
<u>Sioux Falls</u>				Trans. and pub. util....	12.7	12.6	12.4
Manufacturing.....	5.4	5.4	5.4	Trade.....	30.6	30.6	30.4
Trans. and pub. util....	2.1	2.1	2.0	Finance.....	5.7	5.7	5.3
Trade.....	7.4	7.4	7.5	Service.....	13.3	13.4	13.3
Finance.....	1.4	1.5	1.3	Government.....	13.5	13.4	13.1
Service 6/.....	4.9	4.8	4.7				
<b>TENNESSEE</b>				<b>VERMONT</b>			
<u>Chattanooga</u>				<u>Burlington</u>			
Total.....	94.3	94.9	87.3	Total.....	17.6	17.7	16.7
Mining.....	.1	.1	.1	Manufacturing.....	6.4	6.4	5.6
Contract construction...	4.2	5.0	3.7	Trans. and pub. util....	1.2	1.2	1.2
Manufacturing.....	46.8	46.6	41.1	Trade.....	4.6	4.6	4.5
Trans. and pub. util....	5.4	5.4	5.3	Service.....	2.2	2.2	2.1
Trade.....	17.4	17.4	16.9	Other nonmanufacturing..	3.2	3.2	3.3
Finance.....	3.7	3.7	3.6				
Service.....	9.0	9.0	8.8	<u>Springfield</u>			
Government.....	7.9	7.8	8.0	Total.....	10.8	10.9	10.9
<u>Knoxville</u>				Manufacturing.....	7.9	8.0	8.2
Total.....	118.1	117.0	110.0	Trans. and pub. util....	.3	.3	.2
Mining.....	2.0	2.1	2.2	Trade.....	.9	.9	.9
Contract construction...	13.0	11.8	7.5	Service.....	.5	.5	.5
Manufacturing.....	45.9	45.7	43.7	Other nonmanufacturing..	1.2	1.2	1.1
Trans. and pub. util....	7.6	7.6	7.5				
Trade.....	21.7	21.5	21.9	<b>VIRGINIA</b>			
Finance.....	2.2	2.2	2.2	<u>Norfolk-Portsmouth</u>			
Service.....	11.4	11.6	11.3	Manufacturing.....	16.2	16.2	15.3
Government.....	14.4	14.7	13.9	<u>Richmond</u>			
<u>Memphis</u>				Manufacturing.....	39.3	38.0	38.4
Total.....	170.8	170.9	171.1				
Mining.....	.4	.4	.4	<b>WASHINGTON</b>			
Contract construction...	11.2	11.1	12.5	<u>Seattle</u>			
Manufacturing.....	45.0	44.8	43.4	Total.....	281.6	279.5	278.5
Trans. and pub. util....	15.0	15.1	15.3	Contract construction...	13.9	13.7	13.4
Trade.....	50.1	50.1	49.0	Manufacturing.....	80.9	78.9	75.6
Finance.....	7.5	7.5	7.5	Trans. and pub. util....	28.7	28.8	29.1
Service.....	18.8	19.1	19.0	Trade.....	70.7	70.5	71.2
Government.....	23.1	23.0	24.2	Finance.....	15.3	15.3	15.0
				Service 1/.....	35.9	35.9	35.3
				Government.....	36.2	36.4	38.9

See footnotes at end of table.

# Area Data

**Table A-9: Employees in nonagricultural establishments.**  
**by industry division for selected areas - Continued**  
(In thousands)

Area	Number of employees			Area	Number of employees		
	1953		1952		1953		1952
	Aug.	July	Aug.		Aug.	July	Aug.
<b>WASHINGTON - Continued</b>				<b>Charleston - Continued</b>			
<u>Spokane</u>				Contract construction...	5.8	5.9	6.4
Total.....	71.4	71.0	70.9	Manufacturing.....	28.9	28.9	26.8
Contract construction...	5.3	5.3	5.4	Trans. and pub. util....	10.6	10.5	10.4
Manufacturing.....	15.1	14.9	15.5	Trade.....	17.9	17.9	18.1
Trans. and pub. util....	11.1	11.0	11.1	Finance.....	2.8	2.8	2.7
Trade.....	18.8	18.8	18.2	Service.....	8.6	8.7	8.7
Finance.....	3.3	3.2	3.2	Government.....	8.9	8.9	9.0
Service 1/.....	9.7	9.7	9.6				
Government.....	8.1	8.1	7.9	<b>WISCONSIN</b>			
				<u>Milwaukee</u>			
<u>Tacoma</u>				Manufacturing.....	196.8	189.9	193.2
Total.....	69.7	69.8	73.2				
Contract construction...	4.5	4.3	4.5	<u>Racine</u>			
Manufacturing.....	16.9	17.4	19.7	Manufacturing.....	23.6	23.8	23.4
Trans. and pub. util....	6.8	6.7	6.8				
Trade.....	14.8	14.7	14.7	<b>WYOMING</b>			
Finance.....	2.6	2.5	2.5	<u>Casper</u>			
Service 1/.....	7.1	7.1	7.3	Mining.....	2.1	2.2	3.0
Government.....	17.0	17.1	17.7	Contract construction...	.9	.8	1.3
				Manufacturing.....	1.7	1.7	1.8
<b>WEST VIRGINIA</b>				Trans. and pub. util....	1.9	1.8	1.8
<u>Charleston</u>				Trade.....	3.6	3.6	3.8
Total.....	99.0	99.3	100.5	Finance.....	.4	.5	.4
Mining.....	15.7	15.9	18.5	Service.....	1.9	1.9	1.7

\* Finance and government conform with definitions used for national series as shown in Glossary.

1/ Includes mining.

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

3/ Not available.

4/ Includes mining and finance.

5/ Subarea of New York-Northeastern New Jersey.

6/ Includes mining and government.

# Women in Industry

Table A-10: Women employees in manufacturing industries

Industry group and industry	June 1953		March 1953		June 1952	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>MANUFACTURING.....</b>	4,587.3	27	4,622.5	27	4,192.6	27
DURABLE GOODS.....	1,921.8	19	1,919.7	19	1,658.2	19
NONDURABLE GOODS.....	2,665.5	38	2,702.8	38	2,534.4	37
<b>ORDNANCE AND ACCESSORIES.....</b>	55.8	27	51.2	27	46.1	27
<b>FOOD AND KINDRED PRODUCTS.....</b>	370.1	24	344.4	24	372.9	24
Meat products.....	69.2	23	67.9	23	71.2	24
Dairy products.....	29.6	22	25.3	21	30.6	23
Canning and preserving.....	80.6	41	58.9	39	84.8	41
Grain-mill products.....	18.5	15	18.2	15	17.9	14
Bakery products.....	64.6	22	63.0	22	61.6	22
Sugar.....	3.0	11	3.1	11	3.2	11
Confectionery and related products.....	41.5	53	46.3	55	42.3	53
Beverages.....	23.2	10	22.7	11	22.6	10
Miscellaneous food products.....	39.9	28	39.0	29	38.7	27
<b>TOBACCO MANUFACTURES.....</b>	53.8	58	56.1	58	53.6	57
Cigarettes.....	13.8	44	14.0	45	13.5	44
Cigars.....	32.4	78	32.9	78	32.7	78
Tobacco and snuff.....	3.8	42	3.8	43	3.9	43
Tobacco stemming and redrying.....	3.8	33	5.4	39	3.5	28
<b>TEXTILE-MILL PRODUCTS.....</b>	539.6	44	542.9	44	506.2	44
Scouring and combing plants.....	1.1	15	1.0	15	.9	15
Yarn and thread mills.....	72.6	47	73.1	47	69.8	46
Broad-woven fabric mills.....	211.2	40	210.8	40	202.4	39
Narrow fabrics and smallwares.....	19.7	56	19.9	56	17.9	55
Knitting mills.....	171.9	68	173.0	67	160.0	67
Dyeing and finishing textiles.....	20.3	22	20.8	21	20.0	22
Carpets, rugs, other floor coverings....	13.4	24	14.0	24	9.4	21
Hats (except cloth and millinery).....	7.1	39	7.9	41	6.5	40
Miscellaneous textile goods.....	22.3	31	22.4	31	19.3	29
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	925.3	77	980.8	78	864.9	77
Men's and boys' suits and coats.....	87.8	62	86.5	62	76.7	60
Men's and boys' furnishings and work clothing.....	262.5	84	262.7	85	235.9	84
Women's outerwear.....	274.2	78	308.7	78	261.7	78
Women's, children's under garments.....	94.6	87	99.8	88	90.6	88
Millinery.....	12.1	69	19.9	73	11.9	66
Children's outerwear.....	58.2	86	58.5	87	55.6	86
Fur goods.....	2.9	24	2.0	23	3.3	23
Miscellaneous apparel and accessories...	48.2	75	51.0	78	47.5	76
Other fabricated textile products.....	84.8	66	91.7	67	81.7	66
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	53.4	7	52.8	7	52.6	7
Logging camps and contractors.....	1.5	2	1.4	2	1.7	2
Sawmills and planing mills.....	18.2	4	18.1	4	18.3	4
Millwork, plywood, and prefabricated structural wood products.....	10.7	9	10.0	8	9.6	8
Wooden containers.....	11.1	18	11.1	18	11.3	18
Miscellaneous wood products.....	11.9	20	12.2	20	11.7	19

# Women in Industry

Table A-10: Women employees in manufacturing industries - Continued

Industry group and industry	June 1953		March 1953		June 1952	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>FURNITURE AND FIXTURES.....</b>	69.5	19	73.2	19	63.2	18
Household furniture.....	47.6	18	51.2	18	42.9	17
Office, public-building, and profes- sional furniture.....	5.6	14	6.1	15	5.8	15
Partitions, shelving, lockers, and fixtures.....	4.2	12	4.1	11	3.7	11
Screens, blinds, and miscellaneous furniture and fixtures.....	12.1	38	11.8	38	10.8	36
<b>PAPER AND ALLIED PRODUCTS.....</b>	126.8	24	124.0	24	113.8	23
Pulp, paper, and paperboard mills.....	29.9	11	29.8	11	27.6	11
Paperboard containers and boxes.....	44.9	31	43.9	31	39.6	31
Other paper and allied products.....	52.0	41	50.3	40	46.6	40
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....</b>	215.0	28	212.1	27	205.5	27
Newspapers.....	54.1	18	53.2	18	52.0	18
Periodicals.....	25.5	39	26.1	39	23.4	37
Books.....	21.6	46	21.8	46	20.5	46
Commercial printing.....	50.5	26	50.4	26	50.1	26
Lithographing.....	16.0	30	15.7	30	14.7	28
Greeting cards.....	12.9	68	11.7	67	12.1	67
Bookbinding and related industries.....	19.8	44	19.1	44	18.7	44
Miscellaneous publishing and printing services.....	14.6	24	14.1	23	14.0	24
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	148.1	20	146.4	19	146.1	20
Industrial inorganic chemicals.....	7.5	9	7.5	9	7.7	9
Industrial organic chemicals.....	44.2	16	42.5	16	39.8	16
Drugs and medicines.....	38.9	41	39.5	42	42.5	43
Soap, cleaning and polishing prepara- tions.....	11.3	23	11.5	23	11.2	23
Paints, pigments, and fillers.....	11.4	15	11.3	15	10.9	15
Gum and wood chemicals.....	.5	6	.4	6	.5	6
Fertilizers.....	1.9	6	2.1	5	2.0	6
Vegetable and animal oils and fats.....	3.1	8	3.5	8	3.3	9
Miscellaneous chemicals.....	29.3	32	28.1	31	28.2	30
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	15.8	6	15.3	6	15.3	6
Petroleum refining.....	12.6	6	12.2	6	12.3	6
Coke and other petroleum and coal products.....	3.2	6	3.1	6	3.0	7
<b>RUBBER PRODUCTS.....</b>	75.4	27	76.6	28	69.8	27
Tires and inner tubes.....	20.1	17	20.2	17	20.6	18
Rubber footwear.....	14.6	50	15.1	51	13.8	50
Other rubber products.....	40.7	32	41.3	32	35.4	31
<b>LEATHER AND LEATHER PRODUCTS.....</b>	195.6	50	204.2	51	186.3	50
Leather: tanned, curried, and finished..	6.0	13	6.2	13	5.8	13
Industrial leather belting and packing..	1.9	36	2.1	38	1.7	34
Boot and shoe cut stock and findings....	7.4	41	7.8	42	6.8	39
Footwear (except rubber).....	141.8	56	146.3	56	134.9	55
Luggage.....	8.9	46	8.6	47	8.0	47
Handbags and small leather goods.....	18.3	69	22.3	69	17.6	69
Gloves and miscellaneous leather goods..	11.3	60	10.9	60	11.5	60

**Table A-10: Women employees in manufacturing industries - Continued**

Industry group and industry	June 1953		March 1953		June 1952	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	<b>92.6</b>	<b>17</b>	<b>94.1</b>	<b>17</b>	<b>89.0</b>	<b>17</b>
Flat glass.....	2.7	8	2.9	8	2.9	9
Glass and glassware, pressed or blown...	33.0	31	32.6	32	30.9	32
Glass products made of purchased glass..	5.0	30	5.2	30	4.6	30
Cement, hydraulic.....	1.0	3	1.1	3	.9	3
Structural clay products.....	5.4	7	5.5	7	5.6	7
Pottery and related products.....	19.8	36	21.1	37	20.7	36
Concrete, gypsum, and plaster products..	5.7	5	5.4	5	5.1	5
Cut-stone and stone products.....	.7	4	.7	4	.7	4
Miscellaneous nonmetallic mineral products.....	19.3	21	19.6	22	17.6	21
<b>PRIMARY METAL INDUSTRIES.....</b>	<b>83.7</b>	<b>6</b>	<b>82.3</b>	<b>6</b>	<b>67.7</b>	<b>8</b>
Blast furnaces, steel works, and rolling mills.....	25.8	4	24.3	4	13.7	6
Iron and steel foundries.....	12.7	5	12.9	5	13.5	5
Primary smelting and refining of nonferrous metals.....	1.5	3	1.5	3	1.4	3
Secondary smelting and refining of nonferrous metals.....	1.0	8	1.0	8	.9	8
Rolling, drawing, and alloying of nonferrous metals.....	13.0	11	12.9	11	12.9	12
Nonferrous foundries.....	14.3	15	14.4	15	12.2	14
Miscellaneous primary metal industries..	15.4	10	15.3	10	13.1	11
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	<b>237.0</b>	<b>20</b>	<b>235.1</b>	<b>20</b>	<b>196.9</b>	<b>20</b>
Tin cans and other tinware.....	16.5	28	16.2	28	16.1	28
Cutlery, hand tools, and hardware.....	49.9	30	50.0	30	41.2	28
Heating apparatus (except electric) and plumbers' supplies.....	20.6	13	21.0	14	17.8	13
Fabricated structural metal products....	22.1	8	20.7	8	18.4	8
Metal stamping, coating, and engraving..	57.9	24	56.6	24	43.0	22
Lighting fixtures.....	16.5	33	17.1	34	14.2	32
Fabricated wire products.....	18.0	25	18.5	25	15.5	26
Miscellaneous fabricated metal products..	35.5	24	35.0	24	30.7	24
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	<b>243.5</b>	<b>14</b>	<b>244.9</b>	<b>14</b>	<b>233.8</b>	<b>14</b>
Engines and turbines.....	13.7	14	13.9	14	12.1	13
Agricultural machinery and tractors....	17.9	10	18.8	10	19.9	10
Construction and mining machinery.....	11.1	8	11.1	8	10.8	8
Metalworking machinery.....	35.9	13	35.0	12	34.9	12
Special-industry machinery (except metalworking machinery).....	21.6	11	21.5	11	20.9	11
General industrial machinery.....	32.5	14	32.1	14	31.6	14
Office and store machines and devices...	32.6	29	32.6	29	30.9	28
Service-industry and household machines.	32.2	15	33.0	15	27.1	15
Miscellaneous machinery parts.....	46.0	19	46.9	19	45.6	19
<b>ELECTRICAL MACHINERY.....</b>	<b>495.1</b>	<b>41</b>	<b>504.5</b>	<b>42</b>	<b>406.7</b>	<b>39</b>
Electrical generating, transmission, distribution, and industrial apparatus..	123.6	31	122.0	31	107.8	30
Electrical appliances.....	23.9	34	23.5	34	17.8	34
Insulated wire and cable.....	8.7	25	8.8	25	6.7	22

# Women in Industry

Table A-10: Women employees in manufacturing industries - Continued

Industry group and industry	June 1953		March 1953		June 1952	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
<b>ELECTRICAL MACHINERY—Continued</b>						
Electrical equipment for vehicles.....	30.5	34	30.2	33	24.5	31
Electric lamps.....	20.1	74	18.9	72	17.4	71
Communication equipment.....	269.9	51	283.9	52	216.6	49
Miscellaneous electrical products.....	18.4	39	17.2	37	15.9	36
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>262.5</b>	<b>14</b>	<b>255.4</b>	<b>13</b>	<b>218.4</b>	<b>13</b>
Automobiles.....	117.3	12	112.1	11	89.1	11
Aircraft and parts.....	131.3	18	130.1	18	117.4	19
Ship and boat building and repairing....	5.1	3	5.0	3	4.8	3
Railroad equipment.....	6.5	8	6.2	8	5.3	7
Other transportation equipment.....	2.3	17	2.0	15	1.8	15
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	<b>125.1</b>	<b>37</b>	<b>125.0</b>	<b>38</b>	<b>110.9</b>	<b>36</b>
Laboratory, scientific, and engineering instruments.....	12.7	24	12.6	24	11.0	23
Mechanical measuring and controlling instruments.....	28.7	35	28.7	35	24.2	34
Optical instruments and lenses.....	4.0	33	4.0	32	3.9	31
Surgical, medical, and dental instruments	18.4	45	18.4	45	17.6	45
Ophthalmic goods.....	12.4	44	13.0	45	11.8	42
Photographic apparatus.....	21.7	31	21.6	32	20.3	31
Watches and clocks.....	27.2	57	26.7	58	22.1	56
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES...</b>	<b>203.6</b>	<b>41</b>	<b>201.2</b>	<b>41</b>	<b>172.9</b>	<b>39</b>
Jewelry, silverware, and plated ware....	22.9	42	23.4	43	18.9	39
Musical instruments and parts.....	3.8	21	4.0	22	3.2	20
Toys and sporting goods.....	40.2	46	36.3	45	34.0	46
Pens, pencils, and other office supplies	16.7	52	16.1	51	15.8	51
Costume jewelry, buttons, notions.....	36.7	54	37.6	54	29.7	51
Fabricated plastic products.....	27.7	37	27.2	37	22.7	35
Other manufacturing industries.....	55.6	34	56.6	34	48.6	33

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

(Per 100 employees)												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total separation</b>												
1939.....	3.2	2.6	3.1	3.5	3.5	3.3	3.3	3.0	2.8	2.9	3.0	3.5
1947.....	4.9	4.5	4.9	5.2	5.4	4.7	4.6	5.3	5.9	5.0	4.0	3.7
1948.....	4.3	4.7	4.5	4.7	4.3	4.5	4.4	5.1	5.4	4.5	4.1	4.3
1949.....	4.6	4.1	4.8	4.8	5.2	4.3	3.8	4.0	4.2	4.1	4.0	3.2
1950.....	3.1	3.0	2.9	2.8	3.1	3.0	2.9	4.2	4.9	4.3	3.8	3.6
1951.....	4.1	3.8	4.1	4.6	4.8	4.3	4.4	5.3	5.1	4.7	4.3	3.5
1952.....	4.0	3.9	3.7	4.1	3.9	3.9	5.0	4.6	4.9	4.2	3.5	3.4
1953.....	3.8	3.6	4.1	4.3	4.4	4.2	4.3	4.9				
<b>Quit</b>												
1939.....	0.9	0.6	0.8	0.8	0.7	0.7	0.7	0.8	1.1	0.9	0.8	0.7
1947.....	3.5	3.2	3.5	3.7	3.5	3.1	3.1	4.0	4.5	3.6	2.7	2.3
1948.....	2.6	2.5	2.8	3.0	2.8	2.9	2.9	3.4	3.9	2.8	2.2	1.7
1949.....	1.7	1.4	1.6	1.7	1.6	1.5	1.4	1.8	2.1	1.5	1.2	.9
1950.....	1.1	1.0	1.2	1.3	1.6	1.7	1.8	2.9	3.4	2.7	2.1	1.7
1951.....	2.1	2.1	2.5	2.7	2.8	2.5	2.4	3.1	3.1	2.5	1.9	1.4
1952.....	1.9	1.9	2.0	2.2	2.2	2.2	2.2	3.0	3.5	2.8	2.1	1.7
1953.....	2.1	2.2	2.5	2.7	2.7	2.6	2.5	2.9				
<b>Discharge</b>												
1939.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
1947.....	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
1948.....	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	.3
1949.....	.3	.3	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2
1950.....	.2	.2	.2	.2	.3	.3	.3	.4	.4	.4	.3	.3
1951.....	.3	.3	.3	.4	.4	.4	.3	.4	.3	.4	.3	.3
1952.....	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3
1953.....	.3	.4	.4	.4	.4	.4	.4	.4				
<b>Layoff</b>												
1939.....	2.2	1.9	2.2	2.6	2.7	2.5	2.5	2.1	1.6	1.8	2.0	2.7
1947.....	.9	.8	.9	1.0	1.4	1.1	1.0	.8	.9	.9	.8	.9
1948.....	1.2	1.7	1.2	1.2	1.1	1.1	1.0	1.2	1.0	1.2	1.4	2.2
1949.....	2.5	2.3	2.8	2.8	3.3	2.5	2.1	1.8	1.8	2.3	2.5	2.0
1950.....	1.7	1.7	1.4	1.2	1.1	.9	.6	.6	.7	.8	1.1	1.3
1951.....	1.0	.8	.8	1.0	1.2	1.0	1.3	1.4	1.3	1.4	1.7	1.5
1952.....	1.4	1.3	1.1	1.3	1.1	1.1	2.2	1.0	.7	.7	.7	1.0
1953.....	.9	.8	.8	.9	1.0	.9	1.1	1.3				
<b>Miscellaneous, including military</b>												
1947.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1948.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1949.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1950.....	.1	.1	.1	.1	.1	.1	.2	.3	.4	.4	.3	.3
1951.....	.7	.6	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3
1952.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
1953.....	.4	.4	.3	.3	.3	.3	.3	.3				
<b>Total accession</b>												
1939.....	4.1	3.1	3.3	2.9	3.3	3.9	4.2	5.1	6.2	5.9	4.1	2.8
1947.....	6.0	5.0	5.1	5.1	4.8	5.5	4.9	5.3	5.9	5.5	4.8	3.6
1948.....	4.6	3.9	4.0	4.0	4.1	5.7	4.7	5.0	5.1	4.5	3.9	2.7
1949.....	3.2	2.9	3.0	2.9	3.5	4.4	3.5	4.4	4.1	3.7	3.3	3.2
1950.....	3.6	3.2	3.6	3.5	4.4	4.8	4.7	6.6	5.7	5.2	4.0	3.0
1951.....	5.2	4.5	4.6	4.5	4.5	4.9	4.2	4.5	4.3	4.4	3.9	3.0
1952.....	4.4	3.9	3.9	3.7	3.9	4.9	4.4	5.9	5.6	5.2	4.0	3.3
1953.....	4.4	4.2	4.4	4.3	4.1	5.1	4.1	4.2				

# Labor Turnover

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

(Per 100 employees)

Industry group and industry	Separation										Total accession	
	Total		Quit		Discharge		Layoff		Misc., incl. military			
	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953
<b>MANUFACTURING.....</b>	4.9	4.3	2.9	2.5	0.4	0.4	1.3	1.1	0.3	0.3	4.2	4.1
Durable Goods.....	5.0	4.6	2.8	2.5	.4	.4	1.5	1.3	.3	.3	4.2	4.1
Non-durable Goods.....	4.6	3.8	3.1	2.5	.4	.3	1.0	.8	.2	.3	4.2	4.1
<b>ORDNANCE AND ACCESSORIES.....</b>	4.6	4.2	3.3	2.8	.9	.7	.3	.5	.1	.2	5.1	3.2
<b>FOOD AND KINDRED PRODUCTS.....</b>	6.6	5.2	3.8	2.9	.7	.5	1.8	1.6	.2	.2	7.0	6.1
Meat products.....	4.8	4.7	2.4	1.8	.5	.4	1.7	2.1	.2	.4	5.0	4.7
Grain-mill products.....	5.4	6.1	3.8	3.7	.9	.7	.5	1.5	.2	.2	5.1	5.8
Bakery products.....	6.2	4.7	4.6	3.4	.6	.6	.9	.6	.1	.2	6.7	5.3
Beverages:												
Malt liquors.....	9.5	5.3	3.7	3.0	1.0	.6	4.6	1.4	.2	.2	7.9	8.5
<b>TOBACCO MANUFACTURES.....</b>	2.8	3.3	2.3	2.3	.3	.2	.1	.6	.1	.2	4.0	5.3
Cigarettes.....	2.4	2.3	1.8	1.8	.4	.2	.1	(1/)	.2	.2	3.3	8.9
Cigars.....	3.2	4.3	2.9	2.8	.2	.2	.1	1.1	.1	.1	5.0	3.3
Tobacco and snuff.....	2.0	2.5	1.4	1.8	.3	.4	.1	(1/)	.1	.3	1.6	1.7
<b>TEXTILE-MILL PRODUCTS.....</b>	4.6	4.1	2.7	2.6	.3	.3	1.3	.9	.3	.3	3.8	3.7
Yarn and thread mills.....	5.9	4.1	2.7	2.8	.2	.2	2.7	1.0	.2	.1	4.2	3.7
Broad-woven fabric mills.....	5.1	4.4	2.9	2.7	.3	.3	1.5	1.1	.4	.3	3.9	4.0
Cotton, silk, synthetic fiber.....	4.7	4.3	3.0	2.8	.3	.3	1.1	.9	.4	.3	3.8	3.7
Woolen and worsted.....	9.3	6.0	1.9	1.7	.2	.2	6.7	3.7	.4	.4	5.0	7.0
Knitting mills.....	3.6	4.0	2.8	2.8	.3	.2	.4	.7	.1	.2	3.6	3.7
Full-fashioned hosiery.....	2.8	2.6	2.5	2.2	.1	.1	.1	.2	.1	.2	2.9	2.6
Seamless hosiery.....	3.8	3.8	2.9	3.0	.1	.1	.5	.3	.2	.3	4.2	4.0
Knit underwear.....	3.7	4.6	3.0	3.5	.3	.3	.3	.8	.1	(1/)	3.2	4.0
Dyeing and finishing textiles.....	3.1	3.0	1.7	1.5	.3	.4	.8	.9	.2	.3	3.8	2.7
Carpets, rugs, other floor coverings..	3.5	2.4	1.9	1.3	.1	.2	1.1	.6	.4	.3	2.7	2.1
<b>APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....</b>	5.3	4.5	4.4	3.8	.2	.2	.6	.4	.1	.1	4.9	4.7
Men's and boys' suits and coats.....	4.9	3.3	3.4	2.8	.2	.1	1.1	.2	.2	.3	4.9	3.8
Men's and boys' furnishings and work clothing.....	5.4	4.7	4.9	4.1	.2	.1	.3	.4	(1/)	.1	5.3	5.3
<b>LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....</b>	6.2	5.6	4.3	3.6	.4	.6	1.3	1.1	.3	.3	5.6	6.0
Logging camps and contractors.....	8.5	7.8	5.3	5.9	.4	.7	2.5	1.0	.2	.1	7.3	11.2
Sawmills and planing mills.....	5.4	5.2	4.1	3.4	.4	.5	.7	1.0	.2	.3	5.0	5.9
Millwork, plywood, and prefabricated structural wood products.....	4.6	5.0	3.2	2.6	.2	.9	.9	1.3	.3	.2	4.0	3.1
<b>FURNITURE AND FIXTURES.....</b>	6.0	6.1	4.2	3.4	.5	.5	1.2	2.0	.2	.2	5.9	5.0
Household furniture.....	5.6	6.7	3.7	3.6	.6	.6	1.1	2.3	.2	.2	4.8	4.9
Other furniture and fixtures.....	7.2	4.8	5.3	3.0	.4	.3	1.3	1.3	.2	.2	8.5	5.2
<b>PAPER AND ALLIED PRODUCTS.....</b>	4.0	3.5	3.0	2.3	.5	.5	.3	.5	.3	.3	4.0	4.1
Pulp, paper, and paperboard mills.....	2.8	2.2	2.1	1.5	.3	.3	.2	.2	.2	.3	3.1	3.0
Paperboard containers and boxes.....	5.1	4.7	4.1	3.6	.7	.6	.1	.3	.2	.2	5.9	5.3

See footnotes at end of table.



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

(Per 100 employees)

Industry group and industry	Separation										Total	
	Total		Quit		Discharge		Layoff		Misc., incl. military		accession	
	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953
<b>CHEMICALS AND ALLIED PRODUCTS.....</b>	3.0	2.1	2.0	1.1	0.3	0.2	0.6	0.5	0.2	0.1	2.2	2.2
Industrial inorganic chemicals.....	3.7	2.7	2.9	1.6	.5	.3	.1	.4	.2	.3	2.6	2.6
Industrial organic chemicals.....	2.6	1.7	1.3	.8	.2	.2	.9	.6	.1	.1	1.8	1.9
Synthetic fibers.....	(2/)	2.3	(2/)	.7	(2/)	.1	(2/)	1.3	(2/)	.2	(2/)	1.9
Drugs and medicines.....	2.1	1.7	1.7	1.2	.1	.1	.2	.2	.1	.1	2.0	2.0
Paints, pigments, and fillers.....	3.2	2.7	2.4	1.5	.3	.4	.2	.6	.2	.1	2.4	2.7
<b>PRODUCTS OF PETROLEUM AND COAL.....</b>	1.7	1.3	1.2	.9	.1	.1	.2	.1	.2	.2	1.4	1.3
Petroleum refining.....	1.1	.8	.7	.5	(1/)	(1/)	.2	.1	.1	.1	.7	1.1
<b>RUBBER PRODUCTS.....</b>	3.9	3.1	2.5	2.2	.2	.2	.9	.4	.4	.3	3.0	2.8
Tires and inner tubes.....	2.8	2.0	1.4	1.1	.1	.1	.9	.4	.4	.4	1.6	1.6
Rubber footwear.....	4.6	3.6	4.2	3.3	.2	.1	(1/)	.1	.2	.1	6.2	3.3
Other rubber products.....	4.8	4.1	3.1	2.9	.3	.4	1.1	.5	.3	.4	3.5	3.8
<b>LEATHER AND LEATHER PRODUCTS.....</b>	5.0	4.1	3.9	3.2	.3	.3	.7	.4	.2	.2	3.9	4.3
Leather.....	3.8	3.3	1.9	2.0	.3	.4	1.5	.7	.1	.1	2.7	2.8
Footwear (except rubber).....	5.2	4.3	4.3	3.4	.3	.3	.5	.4	.2	.2	4.2	4.6
<b>STONE, CLAY, AND GLASS PRODUCTS.....</b>	5.1	3.2	2.9	1.8	.6	.3	1.3	.9	.3	.3	5.2	3.1
Glass and glass products.....	4.9	3.6	2.3	1.8	.3	.3	2.0	1.2	.3	.3	5.9	3.4
Cement, hydraulic.....	2.7	2.6	1.9	1.9	.4	.5	.1	(1/)	.3	.1	2.4	3.1
Structural clay products.....	4.8	4.4	3.4	2.6	.4	.5	.8	1.1	.1	.3	4.6	3.8
Pottery and related products.....	3.4	2.6	2.1	1.5	.3	.3	.9	.7	.1	.1	3.1	2.3
<b>PRIMARY METAL INDUSTRIES.....</b>	3.4	3.2	1.9	1.9	.3	.3	.9	.8	.3	.3	2.6	3.2
Blast furnaces, steel works, and rolling mills.....	2.5	2.2	1.7	1.5	.2	.2	.4	.3	.3	.2	2.0	2.7
Iron and steel foundries.....	5.7	5.1	2.6	2.7	.5	.5	2.4	1.7	.3	.3	3.8	4.2
Gray-iron foundries.....	4.4	5.5	2.6	2.9	.5	.4	1.0	2.0	.3	.3	5.3	6.8
Malleable-iron foundries.....	8.0	5.4	2.8	3.1	.6	.6	4.2	1.3	.4	.4	4.2	3.4
Steel foundries.....	5.8	4.6	2.5	2.3	.4	.6	2.8	1.5	.1	.1	2.3	2.3
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	1.9	2.3	.9	1.3	.4	.3	.1	.5	.5	.3	1.8	2.0
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	2.6	2.2	1.7	1.4	.5	.4	.3	.2	.2	.3	2.4	2.6
Nonferrous foundries.....	5.5	4.9	2.8	2.7	.6	.6	2.0	1.4	.2	.3	3.6	3.4
Other primary metal industries:												
Iron and steel forgings.....	3.3	3.6	2.3	2.1	.4	.6	.3	.4	.3	.4	2.7	3.4
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....</b>	6.2	5.4	3.3	3.1	.6	.6	2.0	1.5	.3	.3	5.0	4.8
Cutlery, hand tools, and hardware.....	4.7	3.9	2.8	2.5	.3	.4	1.2	.8	.4	.3	3.6	2.7
Cutlery and edge tools.....	3.3	3.0	2.4	1.2	.5	.3	.3	1.4	.1	.2	4.3	1.6
Hand tools.....	3.7	2.5	2.3	1.3	.3	.3	1.0	.7	.1	.3	2.6	2.1
Hardware.....	5.4	4.6	3.0	3.4	.3	.4	1.5	.6	.5	.3	3.9	3.3

See footnotes at end of table.

# Labor Turnover

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

(Per 100 employees)

Industry group and industry	Separation										Total	
	Total		Quit		Discharge		Layoff		Misc., incl. military		accession	
	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953
<b>FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)-Continued</b>												
Heating apparatus (except electric) and plumbers' supplies.....	7.7	5.5	4.5	3.3	0.6	0.6	2.3	1.5	0.2	0.2	6.4	6.0
Sanitary ware and plumbers' supplies.....	9.3	5.2	4.2	2.6	.6	.5	4.3	2.1	.2	.1	6.0	3.9
Oilburners, nonelectric heating and cooking apparatus, not elsewhere classified.....	6.7	5.8	4.7	3.9	.6	.7	1.1	1.0	.3	.2	6.6	7.9
Fabricated structural metal products.....	4.4	5.2	2.8	3.4	.7	.6	.7	1.0	.2	.2	4.4	5.4
Metal stamping, coating, and engraving.....	9.1	6.5	3.9	3.9	.5	.5	4.2	1.5	.6	.6	3.8	5.9
<b>MACHINERY (EXCEPT ELECTRICAL).....</b>	<b>4.2</b>	<b>3.8</b>	<b>2.1</b>	<b>1.8</b>	<b>.3</b>	<b>.4</b>	<b>1.6</b>	<b>1.3</b>	<b>.2</b>	<b>.3</b>	<b>2.7</b>	<b>2.5</b>
Engines and turbines.....	5.8	3.6	2.1	1.6	.4	.5	3.0	1.2	.3	.3	2.8	2.6
Agricultural machinery and tractors... (2/)	7.9	(2/)	2.0	(2/)	.2	(2/)	5.3	(2/)	.4	(2/)	2.3	2.3
Construction and mining machinery....	4.6	3.5	2.2	2.0	.4	.5	1.9	.8	.3	.1	2.4	2.2
Metalworking machinery.....	3.0	2.7	2.1	1.8	.3	.3	.4	.4	.1	.2	2.9	2.3
Machine tools.....	2.6	2.1	1.9	1.4	.3	.3	.3	.2	.1	.2	2.4	1.6
Metalworking machinery (except machine tools).....	3.0	2.8	2.1	1.8	.4	.3	.3	.5	.2	.1	3.1	2.2
Machine-tool accessories.....	4.5	4.8	3.2	3.0	.3	.6	.9	.9	.1	.3	4.3	4.4
Special-industry machinery (except metalworking machinery).....	3.1	3.8	2.0	1.7	.3	.3	.7	1.6	.1	.1	2.6	2.4
General industrial machinery.....	3.6	2.8	2.1	1.7	.4	.5	.9	.4	.3	.2	2.3	2.8
Office and store machines and devices.....	2.7	2.9	1.7	1.9	.2	.2	.7	.6	.1	.2	3.2	2.8
Service-industry and household machines.....	5.5	3.8	2.1	1.8	.4	.4	2.7	1.1	.3	.5	3.4	2.5
Miscellaneous machinery parts.....	4.8	3.4	2.2	2.1	.4	.3	2.0	.7	.3	.3	2.5	2.4
<b>ELECTRICAL MACHINERY.....</b>	<b>3.8</b>	<b>3.2</b>	<b>2.7</b>	<b>2.2</b>	<b>.4</b>	<b>.3</b>	<b>.5</b>	<b>.5</b>	<b>.3</b>	<b>.2</b>	<b>4.1</b>	<b>3.1</b>
Electrical generating, transmission, distribution, and industrial apparatus.....	2.6	2.5	1.5	1.5	.2	.2	.7	.5	.3	.3	2.1	2.1
Communication equipment.....	4.4	3.4	3.4	2.5	.5	.3	.2	.4	.3	.2	5.6	3.6
Radios, phonographs, television sets, and equipment.....	5.2	4.1	4.0	2.8	.7	.5	.3	.6	.3	.2	6.9	4.6
Telephone, telegraph, and related equipment.....	2.7	1.4	2.0	1.1	.1	.1	.1	(1/)	.4	.2	2.7	1.6
Electrical appliances, lamps, and miscellaneous products.....	4.8	3.8	3.0	2.5	.3	.4	1.1	.6	.3	.3	3.9	3.7
<b>TRANSPORTATION EQUIPMENT.....</b>	<b>6.4</b>	<b>6.7</b>	<b>2.8</b>	<b>2.9</b>	<b>.4</b>	<b>.6</b>	<b>2.7</b>	<b>2.6</b>	<b>.5</b>	<b>.6</b>	<b>4.6</b>	<b>5.6</b>
Automobiles.....	7.8	8.8	2.5	3.2	.5	.7	4.2	3.9	.7	.9	3.7	6.0
Aircraft and parts.....	3.7	3.6	3.0	2.5	.4	.4	.2	.5	.2	.3	4.5	4.5
Aircraft.....	3.6	3.7	3.1	2.7	.3	.3	.1	.5	.1	.2	4.7	4.7
Aircraft engines and parts.....	4.1	3.5	3.0	1.9	.6	.5	.3	.2	.2	1.0	3.6	3.8
Aircraft propellers and parts.....	1.9	1.9	1.8	1.3	.1	.2	(1/)	.1	.1	.3	2.2	2.5
Other aircraft parts and equipment..	4.4	4.3	3.0	2.8	.6	.7	.6	.6	.2	.2	5.4	4.7

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		accession	
	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953	Aug. 1953	July 1953
<b>TRANSPORTATION EQUIPMENT-Continued</b>												
Ship and boat building and repairing.....	10.9	10.4	4.1	3.9	0.5	0.7	6.0	5.6	0.3	0.2	10.1	10.0
Railroad equipment.....	6.5	5.3	2.3	2.1	.4	.6	3.0	1.8	.8	.9	4.0	4.3
Locomotives and parts.....	4.3	4.2	1.7	1.4	.1	.2	1.7	1.5	.8	1.0	1.2	2.2
Railroad and street cars.....	9.3	6.8	3.1	2.9	.9	1.1	4.6	2.1	.7	.5	7.5	6.8
Other transportation equipment.....	2.4	2.0	2.1	1.5	.1	.1	.1	.3	.1	.1	4.0	2.8
<b>INSTRUMENTS AND RELATED PRODUCTS.....</b>	3.0	2.2	1.5	1.2	.1	.2	1.1	.6	.2	.3	2.6	2.5
Photographic apparatus.....	1.2	1.2	.9	.9	(1/)	(1/)	(1/)	.1	.2	.2	1.7	4.2
Watches and clocks.....	(2/)	2.2	(2/)	2.0	(2/)	.1	(2/)	(1/)	(2/)	.1	(2/)	3.1
Professional and scientific instruments.....	2.7	2.6	1.4	1.1	.2	.3	.7	.9	.3	.3	2.1	2.0
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES.....</b>	5.3	4.8	4.0	3.6	.5	.4	.5	.5	.3	.3	6.3	5.4
Jewelry, silverware, and plated ware.....	3.4	3.7	2.8	2.7	.2	.3	.2	.5	.1	.1	5.4	4.0
<b>NONMANUFACTURING:</b>												
<b>METAL MINING.....</b>	5.1	4.7	4.4	3.6	.3	.5	.2	.4	.3	.3	3.9	4.3
Iron mining.....	1.6	1.6	1.1	1.0	.1	.1	.1	.3	.3	.3	1.4	1.6
Copper mining.....	5.6	4.9	4.9	4.1	.3	.4	.1	.1	.3	.4	4.3	4.9
Lead and zinc mining.....	3.4	4.1	2.9	2.6	.1	.3	.2	1.0	.3	.3	2.0	3.0
<b>ANTHRACITE MINING.....</b>	1.5	4.7	1.0	1.3	(1/)	(1/)	.3	3.1	.2	.3	1.2	1.4
<b>BITUMINOUS-COAL MINING.....</b>	2.3	2.1	1.1	1.2	.1	.1	1.0	.6	.1	.2	1.9	1.6
<b>COMMUNICATION:</b>												
Telephone.....	(2/)	2.1	(2/)	1.7	(2/)	.1	(2/)	.2	(2/)	.1	(2/)	2.7
Telegraph.....	(2/)	2.0	(2/)	1.5	(2/)	(1/)	(2/)	.2	(2/)	.2	(2/)	2.2

1/ Less than 0.05.

2/ Not available.

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



# APPENDIX

## Section A - EMPLOYMENT

### Purpose and Scope of the BLS Employment Statistics Program

Employment 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. Current employment statistics furnish a basic indicator of changes in economic activity in various sectors of the economy and are widely used in following business developments and in making decisions in fields of marketing, personnel, plant location, and government policy. The BLS employment statistics program, providing data used in making official indexes of production, productivity and national income, forms an important part of the Federal statistical system.

The BLS publishes monthly the national total of employees in nonagricultural establishments, giving totals by eight major industry divisions: manufacturing; mining; contract construction; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; service and miscellaneous; and government. Series on "all employees" and "production and related workers" are presented for the durable goods and nondurable goods subdivisions of manufacturing, 21 major industry groups in manufacturing, 131 manufacturing sub-groups and also for selected mining industries. "All employees" only are published for over 40 industry groups among the nonmanufacturing divisions. Statistics on the number and proportion of women employees in manufacturing industries are published quarterly. In addition, the Bureau of Labor Statistics publishes monthly employment data by industry division for State and local areas, compiled by cooperating State agencies.

Current national, State, and area statistics are published monthly in the Employment and Payrolls Report. Employment data for 13 months are presented in the Current Statistics Section of each issue of the Monthly Labor Review. Each of the series, from the earliest available 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. Similar information is available for States and areas. A detailed explanation of the technique of preparing employment statistics will be sent upon request.

## Definition of Employment

BLS employment statistics represent the number of persons employed in establishments in nonagricultural industries in the continental United States during a specified payroll period. 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.

Employed persons include those who are working full- or part-time, on a temporary or permanent basis. Persons on an establishment payroll who are on paid sick-leave, paid holiday or paid vacation, or who work during a part of a specified pay period and are unemployed or on strike during the other part of the period are considered employed. Persons on the payroll of more than one establishment during the pay period are counted each time reported. On the other hand, persons who are laid off or are on leave without pay, who are on strike for the entire pay period, or who are hired but do not report to work during the pay period are not considered employed. Since proprietors, self-employed persons, and unpaid family workers do not have the status of "employee," they are not covered by BLS reports. Persons working as farm workers or as domestic workers in households are not within the scope of data for nonagricultural establishments. Government employment statistics refer to civilian employees only and hence exclude members of the Armed Forces.

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. 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 transferred from the Federal total and the Executive Branch 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, now included in all tables showing government series except for States and areas; (4) employment in the General Accounting Office and Government Printing Office excluded from the Executive Branch and included in the Legislative Branch; (5) the "Defense agencies" category replaced by one showing employment in the Department of Defense only.

## Collection of Establishment Reports

The BLS, with the cooperation of State agencies, collects current employment information for most industries by means of "shuttle" schedules (BLS 790 Forms) mailed monthly to individual establishments. State agencies mail most of the forms and when returned, examine them for consistency, accuracy, and completeness. States use the information to prepare State and area series and 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 establishment 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. 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.

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.

### 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

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

## Classification of Establishment Reports

To present meaningful tabulations of employment data, establishments are classified into industries on the basis of the principal product or activity determined from information on annual sales volume for a recent year. 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

Basic sources of benchmark information are periodic 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.

## 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 benchmark period (March) is multiplied by the percent change over the month of total employment in a group of establishments reporting for both March and April. Thus, if firms in the BLS sample report 30,000 employees in March and 31,200 in April, the percentage increase would be 4 percent (1,200 divided by 30,000). 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 in the month following the benchmark period. 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. When annual benchmark data become available, the BLS employment figures for the benchmark period are compared with the total count. If differences are found the BLS series are adjusted to agree with the benchmark count.

#### 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, and methods of collection, classification, and estimation. BLS monthly figures are not comparable, for example, with the estimates of the Bureau of the Census Monthly Report on the Labor Force. Census data are obtained by personal interviews with individual members of a sample of households and are designed to provide information on the work status of the whole population, classified into broad social and economic groups. The BLS, on the other hand, obtains by mail questionnaire data on employees, based on 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 quinquennial census and annual sample surveys of manufacturing establishments also differ from BLS employment statistics. Among the important reasons for disagreement 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. The names and addresses of these agencies are listed on the last page of the Report. State agencies use the same basic schedule as the Bureau of Labor Statistics in collecting employment statistics. 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 differs 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.

## Section B - LABOR TURN-OVER

### 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.

Both the types of movement and the employment used as the base for computing labor turnover rates relate to all employees, including executive, office, sales, and other salaried personnel as well as production workers. 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.

A relatively large percent of all personnel turnover is often confined to particular groups of employees, such as new workers, trainees, extra, part-time, and temporary workers. Turnover rates (especially for periods longer than a month) should not be interpreted as the exact proportion of the total number of persons employed at any point in time who change jobs during a subsequent time interval. For example, a quit rate of 25 per 100 for an annual period (computed by adding the 12 monthly rates) does not mean that 25 percent of all the persons employed at the beginning of a year left their jobs by the end of the year.

The terms used in labor turnover statistics are defined below:

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.

#### 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, 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	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 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. To obtain the rate, the result is multiplied by 100.

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.

### Industry Classification

Beginning with final data for December 1949, 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).

The durable goods subdivision of manufacturing includes the following major groups: ordnance and accessories; lumber and wood products (except furniture); furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products (except ordnance, machinery, and transportation equipment); machinery (except electrical); electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries. The nondurable goods subdivision includes the following major groups: food and kindred products; tobacco manufactures; textile-mill products; apparel and other finished textile products; paper and allied products; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products.

### 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. Because of a major revision, labor turnover rates for many individual industries and industry groups for the period prior to December 1949 are not comparable with the rates for the subsequent period.

The revision of the turnover series involved (1) the adoption of the Standard Industrial Classification (1945) code structure for the manufacturing industries, providing new industry definitions and groupings (the industry definitions of the Social Security Board Classification Code (1942) were used in the series beginning in 1943 and of the Census of Manufactures in series prior to 1943), and (2) the introduction of weighting (according to employment in the component industries) in the computation of industry-group rates. In the Bureau's previous series, industry-group rates were computed directly from the sample of reporting establishments without regard to the relative weight of the component industries.

#### 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.

#### Publications

Additional information on concepts, methodology, etc., is given in a "Technical Note on Measurement of Labor Turnover," which is available upon request. This note appeared in the May 1953 Monthly Labor Review (pp. 519-522). Summary tables showing monthly labor turnover rates in each of the selected industry groups and industries for earlier years are available upon request. Such requests should specify the industry series desired.

# 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 in 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.

**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 (except furniture); furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products (except ordnance, machinery, and transportation equipment); machinery (except electrical); electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

**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 estimates. However, in State and area estimates the latter two agencies will be included under Government until revisions are made in series prepared by cooperating State agencies.

**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, but will be excluded from State and area estimates pending revisions in series prepared by cooperating State agencies. State and local government employment excludes, as nominal employees, paid volunteer firemen and elected officials of small local units.

**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. Labor turnover data exclude printing, publishing, and allied industries.

**PAYROLL** - Private payroll represent 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. The index in table A-4 represents production-worker average weekly payroll expressed as a percentage of average weekly payroll for the 1947-49 period. Aggregate weekly payroll for all manufacturing is derived by multiplying gross average weekly earnings by production-worker employment.

**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. The index in table A-4 represents the number of production and related workers in manufacturing expressed as a percentage of average monthly production-worker employment in the 1947-49 period.

**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.



# LIST OF COOPERATING STATE AGENCIES

<b>ALABAMA</b>	- Department of Industrial Relations, Montgomery 5.
<b>ARIZONA</b>	- Unemployment Compensation Division, Employment Security Commission, Phoenix.
<b>ARKANSAS</b>	- Employment Security Division, Department of Labor, Little Rock.
<b>CALIFORNIA</b>	- Division of Labor Statistics and Research, Department of Industrial Relations, San Francisco 1.
<b>COLORADO</b>	- U. S. Bureau of Labor Statistics, Denver 2.
<b>CONNECTICUT</b>	- Employment Security Division, Department of Labor, Hartford 15.
<b>DELAWARE</b>	- Federal Reserve Bank of Philadelphia, Philadelphia 1, Pennsylvania.
<b>DISTRICT OF COLUMBIA</b>	- U. S. Employment Service for D. C., Washington 25.
<b>FLORIDA</b>	- Industrial Commission, Tallahassee.
<b>GEORGIA</b>	- Employment Security Agency, Department of Labor, Atlanta 3.
<b>IDaho</b>	- Employment Security Agency, Boise.
<b>ILLINOIS</b>	- Illinois State Employment Service and Division of Unemployment Compensation, Chicago 54.
<b>INDIANA</b>	- Employment Security Division, Indianapolis 9.
<b>IOWA</b>	- Employment Security Commission, Des Moines 8.
<b>KANSAS</b>	- Employment Security Division, State Labor Department, Topeka.
<b>KENTUCKY</b>	- Bureau of Employment Security, Department of Economic Security, Frankfort.
<b>LOUISIANA</b>	- Division of Employment Security, Department of Labor, Baton Rouge 4.
<b>MAINE</b>	- Employment Security Commission, Augusta.
<b>MARYLAND</b>	- Department of Employment Security, Baltimore 1.
<b>MASSACHUSETTS</b>	- Division of Statistics, Department of Labor and Industries, Boston 8.
<b>MICHIGAN</b>	- Employment Security Commission, Detroit 2.
<b>MINNESOTA</b>	- Department of Employment Security, St. Paul 1.
<b>MISSISSIPPI</b>	- Employment Security Commission, Jackson.
<b>MISSOURI</b>	- Division of Employment Security, Jefferson City.
<b>MONTANA</b>	- Unemployment Compensation Commission, Helena.
<b>NEBRASKA</b>	- Division of Employment Security, Department of Labor, Lincoln 1.
<b>NEVADA</b>	- Employment Security Department, Carson City.
<b>NEW HAMPSHIRE</b>	- Division of Employment Security, Department of Labor, Concord.
<b>NEW JERSEY</b>	- Department of Labor and Industry, Trenton 8.
<b>NEW MEXICO</b>	- Employment Security Commission, Albuquerque.
<b>NEW YORK</b>	- Bureau of Research and Statistics, Division of Employment, New York Department of Labor, 1440 Broadway, New York 18.
<b>NORTH CAROLINA</b>	- Department of Labor, Raleigh.
<b>NORTH DAKOTA</b>	- Unemployment Compensation Division, Bismarck.
<b>OHIO</b>	- Bureau of Unemployment Compensation, Columbus 16.
<b>OKLAHOMA</b>	- Employment Security Commission, Oklahoma City 2.
<b>OREGON</b>	- Unemployment Compensation Commission, Salem.
<b>PENNSYLVANIA</b>	- Federal Reserve Bank of Philadelphia, Philadelphia 1 (mfg.); Bureau of Research and Information, Department of Labor and Industry, Harrisburg (nonmfg.).
<b>RHODE ISLAND</b>	- Department of Labor, Providence 3.
<b>SOUTH CAROLINA</b>	- Employment Security Commission, Columbia 1.
<b>SOUTH DAKOTA</b>	- Employment Security Department, Aberdeen.
<b>TENNESSEE</b>	- Department of Employment Security, Nashville 3.
<b>TEXAS</b>	- Employment Commission, Austin 19.
<b>UTAH</b>	- Department of Employment Security, Industrial Commission, Salt Lake City 13.
<b>VERMONT</b>	- Unemployment Compensation Commission, Montpelier.
<b>VIRGINIA</b>	- Division of Research and Statistics, Department of Labor and Industry, Richmond 14.
<b>WASHINGTON</b>	- Employment Security Department, Olympia.
<b>WEST VIRGINIA</b>	- Department of Employment Security, Charleston 5.
<b>WISCONSIN</b>	- Industrial Commission, Madison 3.
<b>WYOMING</b>	- Employment Security Commission, Casper.

# Other Publications on

## EMPLOYMENT DEVELOPMENTS

The following publications may be purchased  
from the Superintendent of Documents,  
Government Printing Office,  
Washington 25, D. C.

EMPLOYMENT AND ECONOMIC STATUS OF OLDER MEN AND WOMEN, Bulletin No. 1092,  
May 1952, 58 pp. 30¢.

NEGROES IN THE UNITED STATES: THEIR EMPLOYMENT AND ECONOMIC STATUS,  
Bulletin No. 1119, 1952, 60 pp. 30¢.

EMPLOYMENT, EDUCATION, AND EARNINGS OF AMERICAN MEN OF SCIENCE,  
Bulletin No. 1027, 1951, 48 pp. 45¢.

MANPOWER RESOURCES IN CHEMISTRY AND CHEMICAL ENGINEERING, Bulletin No. 1132,  
1953, 112 pp. 50¢.

FEDERAL WHITE-COLLAR WORKERS: THEIR OCCUPATIONS AND SALARIES, JUNE 1951,  
Bulletin No. 1117, 1952, 43 pp. 15¢.

TABLES OF WORKING LIFE, LENGTH OF WORKING LIFE FOR MEN, Bulletin No. 1001,  
August 1950, 74 pp. 40¢.

OCCUPATIONAL MOBILITY OF SCIENTISTS. A STUDY OF CHEMISTS, BIOLOGISTS, AND  
PHYSICISTS WITH Ph.D. DEGREES, Bulletin No. 1121, 1953, 63 pp. 35¢.

THE MOBILITY OF TOOL AND DIE MAKERS, 1940-51. Bulletin No. 1120, 1952, 67 pp. 35¢.

OCCUPATIONAL OUTLOOK HANDBOOK, 2d EDITION, 1951, Bulletin No. 998 (Issued in  
cooperation with the Veterans Administration), 575 pp. \$3.00. A com-  
prehensive coverage of major occupations for use in guidance with  
reports on each of 433 occupations and industries in which most young  
people will find jobs. Reports describe employment outlook, nature of  
work, industries and localities in which workers are employed, training  
and qualifications needed, earnings, working conditions, and sources of  
further information.

OCCUPATIONAL OUTLOOK BULLETINS: Describe employment outlook in major occupations  
or industries, and give information on earnings, working conditions,  
promotional opportunities, and the training required. Most bulletins  
are illustrated with charts and photographs. Write to the Bureau of  
Labor Statistics, U. S. Department of Labor, Washington 25, D. C., for  
catalogue.