



Employment and Earnings

AUGUST 1957

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DIVISION OF MANPOWER AND EMPLOYMENT STATISTICS

Seymour L. Wolfbein, Chief

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LABOR TURNOVER

FOR STATES AND AREAS...

Beginning with this issue, labor turnover rates for selected States and metropolitan areas will be published regularly in Employment and Earnings. As additional series become available from cooperating State agencies, they will be shown in table B-3.

OVERTIME PAY...

Overtime earnings amounted to 10 percent of the factory worker's weekly pay in 1956. The trends of these earnings in manufacturing industries for the past 18 months are described in an article beginning on page iii.

NEW AREA SERIES...

Manufacturing employment, hours, and earnings for Dallas, Tex., are now shown in tables A-7 and C-6.

SPECIAL CHARTS ON

THE INSTRUMENTS INDUSTRY...

A series of charts showing trends of employment, earnings, and labor turnover rates in instruments and related products manufacturing appears on page viii.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Subscription price: \$3.50 a year; \$1 additional for foreign mailing. Single copies vary in price. This issue is 45 cents.

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

The national employment figures shown in this report have been adjusted to first quarter 1956 benchmark levels.

To renew your subscription to Employment and Earnings, and to obtain additional data free of charge, see pages 9-E and 10-E.

Overtime Pay of Production Workers in Manufacturing

Shirley Grossman

Overtime pay amounted to an estimated 10 percent of the factory worker's average weekly earnings in 1956. Calculated at time and one-half, an average of \$8.02 a week was earned, generally for time worked in excess of scheduled hours.

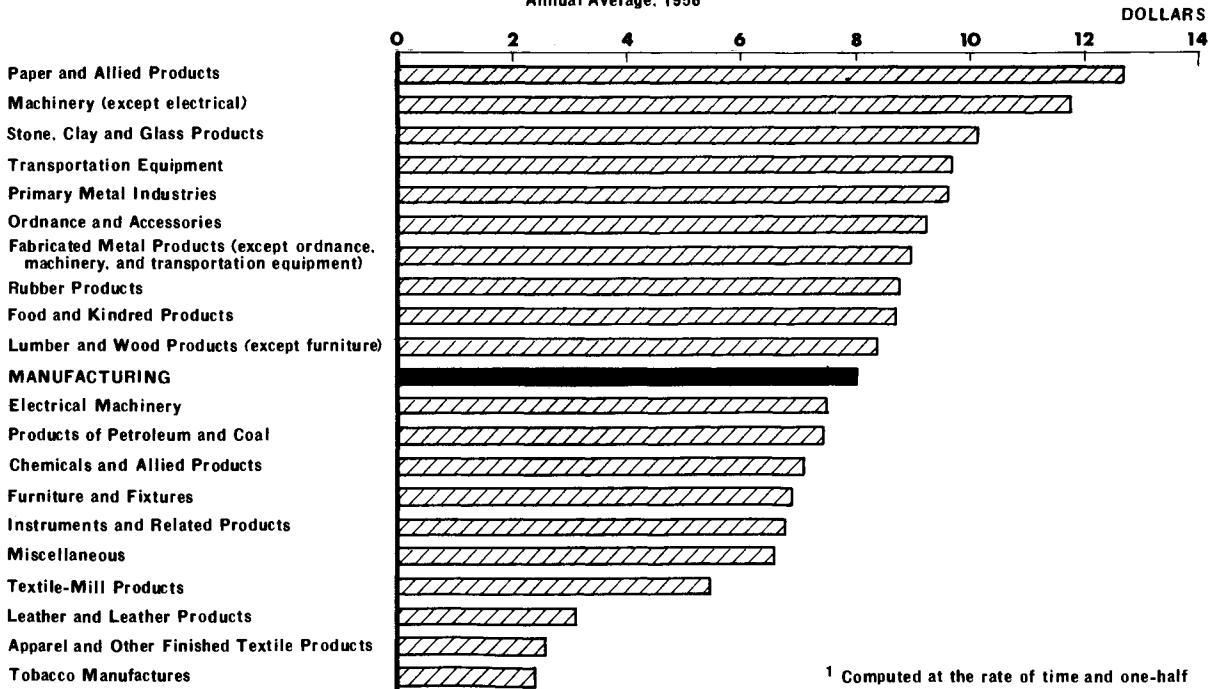
In theory, overtime work is paid for at penalty rates because of its undesirable nature. Long hours on the job leave the worker with little time for family and community responsibilities, for rest, sports, studies, and entertainment. The prevalence of overtime in manufacturing industries indicates, however, that a certain amount of overtime is acceptable from the worker's point of view because extra pay at time and one-half is an important source of added income.

In 1956, the factory worker put in an average of 3 hours of overtime a week for 4½ hours pay—a significant addition to a family budget.

The Bureau of Labor Statistics has been collecting overtime hours data monthly since January 1956, and on the assumption that most overtime is compensated at time and one-half, overtime pay can be estimated for 20 of the major manufacturing industry groups.¹

¹ Straight-time hours and earnings excluding premium overtime can also be computed. Data for January 1956 to May 1957 were presented in the July 1957 issue of EMPLOYMENT AND EARNINGS.

Average Weekly Overtime Earnings¹ of Production Workers in Manufacturing
By Major Industry Group
Annual Average, 1956



¹ Computed at the rate of time and one-half

UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

**Average weekly overtime earnings^{1/} and percent of gross weekly earnings of production workers in manufacturing,
by major industry group, January 1956-June 1957**

Year and month	Manufacturing		Total: Durable goods		Total: Nondurable goods		Durable goods					
							Ordnance and accessories		Lumber and wood products		Furniture and fixtures	
	Earnings	Percent	Earnings	Percent	Earnings	Percent	Earnings	Percent	Earnings	Percent	Earnings	Percent
1956: Avg...	\$8.02	10.0	\$9.14	10.6	\$6.56	9.2	\$9.22	10.1	\$8.37	11.8	\$6.89	10.0
Jan...	8.42	10.7	9.21	10.9	6.89	9.9	8.00	9.1	8.59	12.8	7.20	10.7
Feb...	7.81	10.0	8.91	10.6	6.38	9.2	7.73	8.8	8.59	12.9	7.20	10.6
Mar...	7.61	9.7	8.66	10.3	6.49	9.2	8.74	9.8	7.87	11.6	6.80	9.9
Apr...	7.70	9.7	8.70	10.2	6.26	8.9	8.78	9.7	8.11	11.6	6.11	9.0
May...	7.41	9.5	8.44	9.9	6.04	8.6	8.82	9.7	7.95	11.1	5.87	8.8
June..	7.74	9.8	8.79	10.3	6.30	8.9	8.63	9.4	9.14	12.5	6.15	9.0
July..	7.41	9.4	8.44	10.0	6.60	9.2	9.27	10.1	8.56	11.8	5.87	8.7
Aug...	7.74	9.7	8.83	10.3	6.56	9.2	8.31	9.2	9.34	12.4	7.13	10.2
Sept...	8.97	11.0	10.20	11.5	7.39	10.2	11.24	12.0	9.34	12.6	7.97	11.2
Oct...	9.02	11.0	10.20	11.5	7.17	9.9	11.02	11.6	8.26	11.3	7.97	11.1
Nov...	8.82	10.7	10.30	11.6	7.21	9.9	10.09	10.7	7.44	10.5	6.72	9.6
Dec...	9.21	11.0	10.97	12.0	7.02	9.5	11.12	11.5	7.56	10.9	7.52	10.5
1957: Jan...	7.72	9.4	9.14	10.3	6.24	8.6	8.95	9.3	6.72	10.0	5.76	8.4
Feb...	7.46	9.1	8.51	9.6	6.24	8.5	8.99	9.3	6.51	9.5	5.54	8.0
Mar...	7.46	9.1	8.23	9.3	6.24	8.5	8.70	9.1	6.67	9.5	5.58	8.0
Apr...	6.90	8.5	7.60	8.6	6.01	8.3	8.06	8.4	6.79	9.4	5.04	7.4
May...	6.60	8.1	7.31	8.3	6.04	8.3	7.09	7.5	7.39	10.1	4.82	7.1
June..	7.24	8.7	7.67	8.6	6.59	8.9	6.50	6.9	8.54	11.3	5.61	8.1

	Durable goods—Continued											
	Stone, clay and glass products		Primary metal industries		Fabricated metal products		Machinery (except electrical)		Electrical machinery		Transportation equipment	
1956: Avg...	\$10.15	12.6	\$9.62	10.0	\$8.96	10.5	\$11.77	12.6	\$7.49	9.3	\$9.70	10.2
Jan...	9.66	12.4	11.76	12.0	8.48	10.3	12.42	13.4	7.81	9.9	7.85	8.6
Feb...	9.61	12.3	9.41	9.9	8.48	10.2	12.17	13.2	7.01	8.9	7.52	8.4
Mar...	9.66	12.3	9.41	9.9	8.53	10.3	11.86	12.9	6.49	8.3	7.52	8.3
Apr...	9.99	12.5	9.45	9.9	8.27	9.9	11.91	12.8	7.41	9.2	7.59	8.3
May...	10.32	12.8	9.49	9.9	7.98	9.6	11.60	12.6	7.13	8.9	6.96	7.7
June..	10.43	12.9	9.83	10.3	8.66	10.3	11.34	12.3	6.88	8.6	7.33	8.0
July..	10.43	12.9	9.24	10.1	8.02	9.6	10.76	11.7	5.79	7.3	8.36	8.9
Aug...	10.21	12.5	7.94	8.5	8.70	10.3	11.13	12.1	7.24	9.0	9.07	9.6
Sept...	10.26	12.6	10.88	10.9	10.66	12.1	12.26	12.9	8.44	10.2	11.58	11.9
Oct...	10.31	12.5	8.81	8.9	11.02	12.4	11.93	12.6	9.07	10.9	12.94	13.1
Nov...	10.37	12.6	9.20	9.3	9.79	11.2	11.07	11.8	8.57	10.3	15.32	15.2
Dec...	9.84	11.9	9.60	9.5	11.12	12.3	12.04	12.5	8.32	9.9	16.56	15.6
1957: Jan...	8.48	10.4	10.40	10.3	8.65	10.0	10.79	11.3	7.16	8.6	11.34	11.4
Feb...	8.44	10.3	7.89	8.0	8.65	9.9	10.51	11.1	6.90	8.3	10.31	10.5
Mar...	8.78	10.7	7.20	7.3	8.69	9.9	10.23	10.7	6.63	7.9	9.32	9.5
Apr...	8.44	10.4	7.20	7.4	8.42	9.6	9.90	10.5	6.03	7.3	8.32	8.6
May...	9.36	11.4	6.48	6.7	8.46	9.6	8.95	9.6	5.43	6.6	6.26	6.6
June..	9.70	11.6	8.31	8.4	9.41	10.5	9.03	9.6	5.76	6.9	6.35	6.5

^{1/} Computed at the rate of time and one-half. June 1957 figures are based upon preliminary data. **NOTE.**—Overtime

Average weekly overtime earnings^{1/} and percent of gross weekly earnings of production workers in manufacturing,
by major industry group, January 1956-June 1957--Continued

Year and month	Durable goods--Continued				Nondurable goods							
	Instruments and related products		Miscellaneous manufacturing industries		Food and kindred products		Tobacco manufactures		Textile-mill products		Apparel and other finished textile products	
	Earnings	Percent	Earnings	Percent	Earnings	Percent	Earnings	Percent	Earnings	Percent	Earnings	Percent
1956: Avg...	\$6.76	8.2	\$6.59	9.3	\$8.71	11.6	\$2.36	4.2	\$5.46	9.5	\$2.57	4.9
Jan...	6.59	8.2	6.72	9.7	9.14	12.2	2.48	4.6	6.17	10.8	2.67	5.3
Feb...	6.59	8.2	6.72	9.7	7.57	10.3	1.45	2.8	5.96	10.4	3.08	5.9
Mar...	6.91	8.6	6.30	9.0	7.70	10.4	1.75	3.1	5.63	9.8	2.77	5.2
Apr...	7.24	8.9	6.34	9.0	7.43	10.1	1.98	3.5	5.00	8.9	2.33	4.5
May...	8.98	8.6	6.34	9.1	7.92	10.7	2.44	4.2	4.83	8.6	2.12	4.2
June..	6.44	7.9	5.83	8.4	9.24	12.3	2.91	4.9	4.62	8.3	1.93	3.7
July..	6.50	7.9	5.61	8.1	8.98	12.0	2.46	4.1	4.62	8.3	2.16	4.2
Aug...	6.80	8.3	6.59	9.4	8.56	11.5	2.12	3.8	5.04	8.9	2.61	4.8
Sept..	7.46	8.9	7.14	10.1	10.12	13.3	2.65	4.7	5.04	8.8	2.41	4.5
Oct...	7.16	8.5	7.95	11.0	9.50	12.5	2.06	3.8	6.05	10.1	2.65	5.3
Nov...	6.90	8.2	7.22	10.1	10.32	13.2	2.36	4.2	6.31	10.5	2.85	5.3
Dec...	6.93	8.2	7.01	9.6	8.74	11.2	3.26	5.5	5.87	9.7	2.65	4.9
1957: Jan...	6.70	7.9	6.07	8.4	8.37	10.8	2.21	3.8	5.00	8.5	2.43	4.5
Feb...	6.70	7.8	6.34	8.7	7.81	10.1	1.33	2.3	5.04	8.6	2.65	4.9
Mar...	7.04	8.2	6.86	9.3	7.29	9.5	2.04	3.5	5.04	8.6	2.65	4.8
Apr...	6.43	7.5	5.81	8.0	7.57	9.8	1.16	2.0	4.60	7.9	2.41	4.6
May...	5.84	6.9	5.54	7.7	8.42	10.7	2.57	4.2	4.38	7.6	2.19	4.1
June..	5.56	6.5	6.04	8.4	9.49	12.0	3.98	6.4	5.04	8.7	2.21	4.1

	Nondurable goods--Continued											
	Paper and allied products		Printing, publishing, and allied industries		Chemicals and allied products		Products of petroleum and coal		Rubber products		Leather and leather products	
1956: Avg...	\$12.70	15.3	-	-	\$7.07	8.1	\$7.41	7.1	\$8.78	10.1	\$3.09	5.5
Jan...	12.62	15.5	-	-	6.90	8.1	7.08	7.1	10.82	12.4	4.23	7.5
Feb...	11.75	14.8	-	-	6.60	7.8	6.48	6.5	8.38	9.8	4.69	8.1
Mar...	12.62	15.5	-	-	6.60	7.8	8.09	7.8	7.18	8.5	3.94	6.9
Apr...	12.15	15.1	-	-	7.27	8.5	7.44	7.1	7.80	9.1	2.87	5.2
May...	11.67	14.4	-	-	6.73	7.8	6.70	6.5	7.52	8.8	2.44	4.5
June..	12.08	14.7	-	-	7.11	8.1	8.18	7.8	7.18	8.5	2.21	3.9
July..	13.32	15.8	-	-	7.18	8.2	8.96	8.4	7.84	9.1	2.43	4.3
Aug...	12.56	15.0	-	-	6.86	7.8	7.81	7.5	8.82	10.1	2.66	4.7
Sept..	13.46	15.9	-	-	7.80	8.8	8.69	8.0	9.54	10.7	2.46	4.4
Oct...	13.54	15.9	-	-	7.18	8.1	7.50	7.2	10.76	12.0	2.68	4.8
Nov...	13.25	15.7	-	-	6.90	7.7	7.15	6.8	8.82	10.0	2.70	4.8
Dec...	13.04	15.2	-	-	7.25	8.1	6.80	6.5	10.32	11.1	2.91	5.1
1957: Jan...	12.19	14.5	-	-	6.96	7.8	6.10	5.7	9.68	10.6	2.93	5.1
Feb...	12.26	14.5	-	-	6.65	7.4	6.02	5.8	8.71	9.6	3.15	5.4
Mar...	12.03	14.2	-	-	7.00	7.8	6.05	5.8	8.35	9.4	2.94	5.0
Apr...	12.03	14.3	-	-	7.00	7.8	8.32	7.8	7.67	8.8	2.51	4.4
May...	11.46	13.6	-	-	7.06	7.8	8.38	7.9	8.10	9.1	2.05	3.7
June..	12.22	14.3	-	-	6.84	7.4	8.51	7.8	9.35	10.3	2.74	4.7

earnings data are not computed for the printing, publishing, and allied industries group. See text, page vi.

Some Overtime In All Manufacturing Industries

In none of the 20 industry groups was overtime pay less than 4 percent of weekly earnings in 1956. In 16 of the groups, overtime represented 8 percent or more of gross earnings.

Fully 15 percent of weekly earnings in the paper industry resulted from overtime work, and about 12 percent in lumber, machinery, food, and stone, clay, and glass.

In the transportation equipment industry where the introduction of new models induces wide fluctuations in the workweek, overtime pay rose from a low of \$6.96 in May 1956 to a December high of \$16.56 (see table). In the food industry, the seasonal pattern is reflected in an April 1956 low of \$7.43 and a November high of \$10.32. Much of the industry's characteristic volatility is not revealed by changes in premium pay for overtime because such payment is not required for some of its highly seasonal segments. In the canning industry, for example, overtime need not be paid during the harvesting season until 56 hours a week have been worked. Similar exemptions apply to a lesser extent in the lumber industry, where the August to December decline was \$1.78.

Assumptions Underlying Overtime Pay Estimates

Overtime hours reported to the Bureau of Labor Statistics include only hours in excess of those regularly scheduled for which more than straight-time is paid for the work performed. Premium rates generally mean a minimum of one and one-half times straight-time hourly pay, as specified by the Fair Labor Standards Act, which covers most production workers in manufacturing. It has been assumed for purposes of this study that few establishments exempt from the overtime pay provisions of the FLSA pay more than straight-time for overtime work.

The validity of the overtime-pay series hinges on the assumption that overtime is generally paid for at time and one-half. To the extent that other rates apply, the computations of overtime earnings are inexact. However, the Bureau of Labor Statistics in its studies of labor-management agreements and its industry wage surveys has found that time and one-half is generally customary for at least the first 4 hours of overtime worked per week. Advanced rates are less frequently specified and usually apply only after 4 to 8 hours of overtime have already been worked. Printing is the one industry in which graduated overtime rates are found to an extent likely to make average overtime pay significantly above time and one-half. For this reason overtime pay is not estimated separately for this industry. Inclusion of overtime for printing in the nondurable goods total produces little if any distortion and has no perceivable effect on the manufacturing average.

For Some Workers--Overtime Rates Before 40 Hours

Although provisions of the Fair Labor Standards Act require premium payment for overtime after 40 hours for covered employers, some segments of manufacturing are obligated by union agreement to provide overtime payment after thirty-odd hours.

The garment industry has a high proportion of workers receiving overtime after 35 hours, and perhaps half of the brewing industry is on a regular 37½ hour week. Other industries with relatively large groups of workers on a less than 40-hour straight-time week include: baking, rubber, jewelry, millinery, fur, and lumber.

An illustration of the shorter workweek can be seen in the apparel industry, where the total workweek averaged 36.3 hours in 1956. Overtime accounted for 1.2 hours of this short week, and overtime earnings amounted to 5 percent of total pay. Similarly, a

37.6-hour workweek in leather included 1.4 hours of overtime.

In nondurable goods as a whole, the straight-time workweek was 37.0 hours in 1956, with overtime averaging 2.5 hours. Overtime pay was 9 percent of total earnings in nondurable goods, as compared to 11 percent for durable goods.

Some Overtime Pay Is "Regular"

Although a drop in overtime hours presumably forecasts a drop in economic activity, overtime is not always an emergency measure for all establishments. A 44- or 48-hour week is still customary in some firms, with the hours after 40 considered "overtime" only because of the Fair Labor Standards Act or provisions of labor-management agreements. Such overtime is not subject to week-to-week changes. Expanding industries, continuous

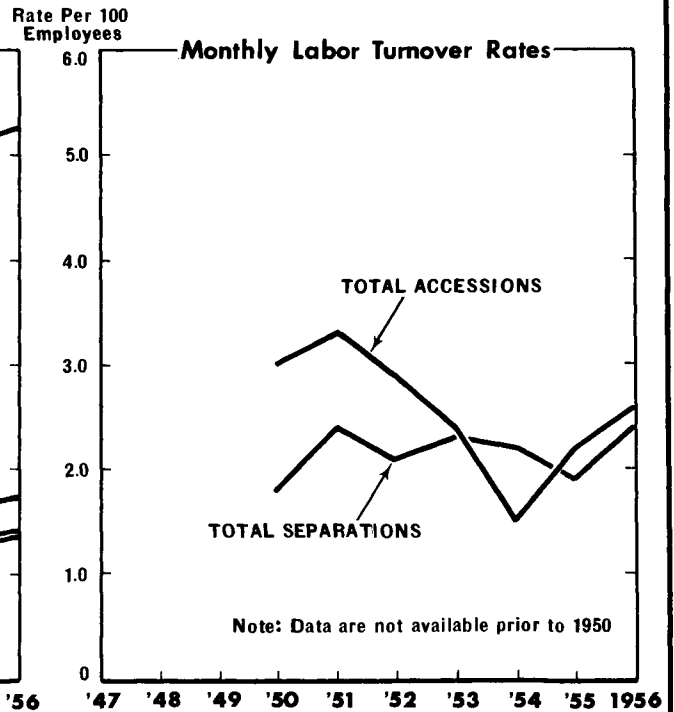
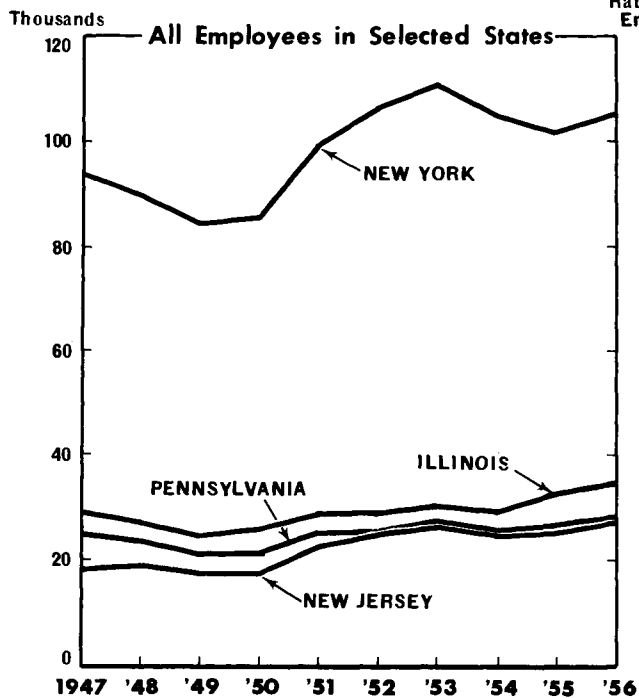
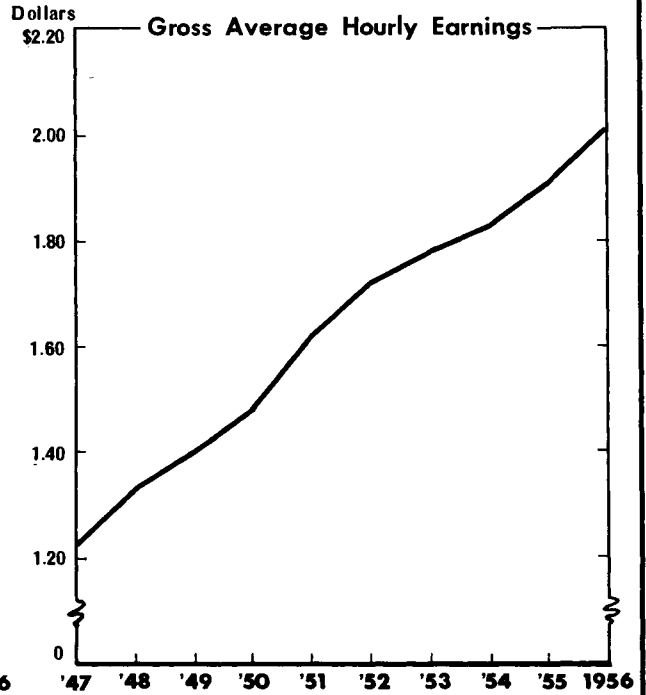
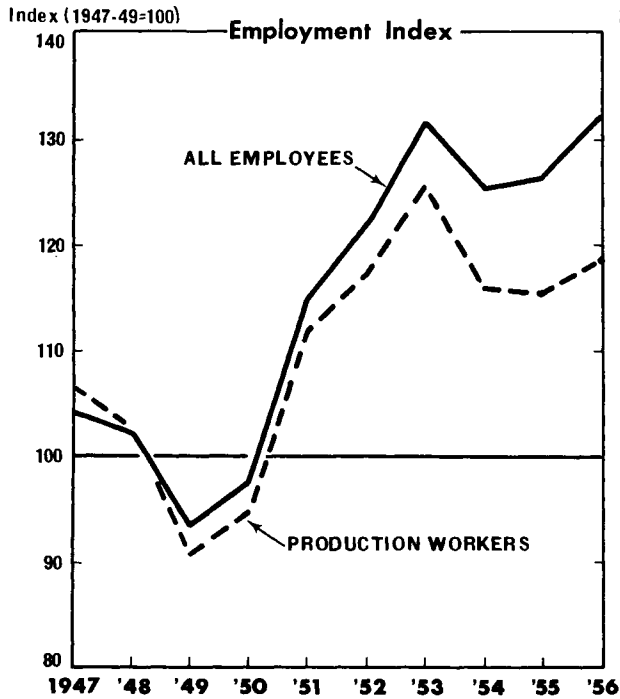
process industries, and others relatively unaffected by seasonal variation may often have regularly scheduled overtime.

Frequent shifts in length of workweek are generally found in industries where seasonal factors or economic pressures are most strongly felt. Thus, a change in amount of overtime worked in such relatively nonseasonal industries as chemicals or machinery has greater economic significance than similar shifts in lumber or tobacco.

NOTE: Weekly overtime pay is computed by multiplying average hourly earnings excluding overtime pay by 1.5 (the assumed average overtime rate), then multiplying the result by average overtime hours. For an explanation of the derivation of hourly earnings excluding premium overtime pay, see EMPLOYMENT AND EARNINGS, July 1957 (pp. iii-viii) or Explanatory Notes of this issue.

The Instruments and Related Products Industry

Annual Averages, 1947-56



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

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

(In thousands)

Industry division and group	Current			Year ago	July 1957 net change from:	
	July 1957 1/	June 1957 1/	May 1957	July 1956	Previous month	Year ago
TOTAL	52,574	52,874	52,456	51,258	-300	+1,316
MINING	852	859	835	765	- 7	+ 87
Metal mining.....	114.0	112.8	111.9	85.3	+ 1.2	+ 28.7
Bituminous-coal.....	228.9	242.0	238.7	188.6	- 13.1	+ 40.3
Nonmetallic mining and quarrying.....	120.1	119.1	118.2	119.4	+ 1.0	+ .7
CONTRACT CONSTRUCTION	3,290	3,233	3,082	3,256	+ 57	+ 34
MANUFACTURING	16,671	16,847	16,762	16,301	-176	+ 370
DURABLE GOODS	9,755	9,906	9,895	9,313	-151	+ 442
Ordnance and accessories.....	126.0	128.3	127.6	130.9	- 2.3	- 4.9
Lumber and wood products (except furniture).....	718.3	729.7	708.1	773.3	- 11.4	- 55.0
Furniture and fixtures.....	368.1	372.7	368.6	367.2	- 4.6	+ .9
Stone, clay, and glass products.....	535.9	555.2	550.4	559.5	- 19.3	+ 23.6
Primary metal industries.....	1,307.3	1,318.1	1,318.7	966.0	- 10.8	+ 341.3
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	1,114.2	1,125.9	1,121.1	1,054.0	- 11.7	+ 60.2
Machinery (except electrical).....	1,686.6	1,712.0	1,728.4	1,703.1	- 25.4	- 16.5
Electrical machinery.....	1,207.8	1,221.2	1,211.2	1,187.3	- 13.4	+ 20.5
Transportation equipment.....	1,883.1	1,920.6	1,941.4	1,759.1	- 37.5	+ 124.0
Instruments and related products.....	335.5	337.3	339.0	333.2	- 1.8	+ 2.3
Miscellaneous manufacturing industries.....	472.1	485.2	480.6	479.0	- 13.1	- 6.9
NONDURABLE GOODS	6,916	6,941	6,867	6,988	- 25	- 72
Food and kindred products.....	1,561.0	1,509.4	1,451.8	1,598.4	+ 51.6	- 37.4
Tobacco manufactures.....	78.1	82.5	81.9	83.9	- 4.4	- 5.8
Textile-mill products.....	976.6	1,003.1	1,003.6	1,019.9	- 26.5	- 43.3
Apparel and other finished textile products.....	1,143.6	1,181.2	1,173.2	1,154.5	- 37.6	- 10.9
Paper and allied products.....	569.5	578.7	573.1	568.9	- 9.2	+ .6
Printing, publishing, and allied industries.....	862.9	862.7	859.5	847.0	+ .2	+ 15.9
Chemicals and allied products.....	827.4	832.1	837.8	823.7	- 4.7	+ 3.7
Products of petroleum and coal.....	263.6	260.6	257.2	253.1	+ 3.0	+ 10.5
Rubber products.....	260.3	256.2	262.1	261.6	+ 4.1	- 1.3
Leather and leather products.....	372.9	374.1	366.3	376.7	- 1.2	- 3.8
TRANSPORTATION AND PUBLIC UTILITIES	4,203	4,182	4,156	4,161	+ 21	+ 42
TRANSPORTATION.....	2,763	2,761	2,749	2,742	+ 2	+ 21
COMMUNICATION.....	825	815	810	811	+ 10	+ 14
OTHER PUBLIC UTILITIES.....	615	606	597	608	+ 9	+ 7
WHOLESALE AND RETAIL TRADE	11,486	11,501	11,411	11,164	- 15	+ 322
WHOLESALE TRADE	3,156	3,134	3,113	3,033	+ 22	+ 123
RETAIL TRADE	8,330	8,367	8,298	8,131	- 37	+ 199
General merchandise stores.....	1,342.5	1,376.3	1,382.2	1,338.5	- 33.8	+ 4.0
Food and liquor stores.....	1,604.5	1,610.5	1,600.7	1,549.8	- 6.0	+ 54.7
Automotive and accessories dealers.....	810.3	803.5	798.2	810.1	+ 6.8	+ .2
Apparel and accessories stores.....	582.1	619.1	621.7	572.0	- 37.0	+ 10.1
Other retail trade.....	3,990.1	3,957.6	3,895.5	3,860.2	+ 32.5	+ 129.9
FINANCE, INSURANCE, AND REAL ESTATE	2,392	2,359	2,329	2,349	+ 33	+ 43
SERVICE AND MISCELLANEOUS	6,520	6,552	6,520	6,296	- 32	+ 224
GOVERNMENT	7,160	7,341	7,361	6,966	-181	+ 194
FEDERAL	2,220	2,211	2,202	2,208	+ 9	+ 12
STATE AND LOCAL	4,940	5,130	5,159	4,758	-190	+ 182

1/ Preliminary.

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

(In thousands)

Major industry group	Current			Year ago	July 1957 net change from:	
	July 1957 1/	June 1957 1/	May 1957	July 1956	Previous month	Year ago
MANUFACTURING.....	12,768	12,962	12,894	12,536	-194	+232
DURABLE GOODS.....	7,436	7,601	7,600	7,113	-165	+323
Ordnance and accessories.....	74.7	77.0	76.5	81.7	- 2.3	- 7.0
Lumber and wood products (except furniture).....	647.5	660.1	638.0	703.4	- 12.6	- 55.9
Furniture and fixtures.....	306.1	311.6	307.5	305.7	- 5.5	+ .4
Stone, clay, and glass products.....	443.5	459.6	456.2	466.4	- 16.1	- 22.9
Primary metal industries.....	1,080.3	1,091.6	1,092.6	747.2	- 11.3	+333.1
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	870.2	885.4	882.9	823.2	- 15.2	+ 47.0
Machinery (except electrical).....	1,207.9	1,239.3	1,255.4	1,247.3	- 31.4	- 39.4
Electrical machinery.....	841.0	855.1	847.3	849.1	- 14.1	- 8.1
Transportation equipment.....	1,371.8	1,412.4	1,434.8	1,279.5	- 40.6	+ 92.3
Instruments and related products.....	219.8	223.2	226.1	226.1	- 3.4	- 6.3
Miscellaneous manufacturing industries...	373.4	386.1	382.7	383.5	- 12.7	- 10.1
NONDURABLE GOODS.....	5,332	5,361	5,294	5,423	- 29	- 91
Food and kindred products.....	1,105.3	1,056.2	1,004.2	1,139.9	+ 49.1	- 34.6
Tobacco manufactures.....	68.7	73.1	72.8	75.5	- 4.4	- 6.8
Textile-mill products.....	887.2	912.1	911.2	928.3	- 24.9	- 41.1
Apparel and other finished textile products.....	1,011.6	1,046.4	1,039.0	1,024.7	- 34.8	- 13.1
Paper and allied products.....	459.7	469.8	464.9	462.2	- 10.1	- 2.5
Printing, publishing, and allied industries.....	555.6	557.2	554.9	543.6	- 1.6	+ 12.0
Chemicals and allied products.....	530.6	536.4	544.3	538.9	- 5.8	- 8.3
Products of petroleum and coal.....	178.3	176.5	174.0	170.4	+ 1.8	+ 7.9
Rubber products.....	202.7	199.9	204.2	202.8	+ 2.8	- .1
Leather and leather products.....	332.3	333.1	324.8	336.5	- .8	- 4.2

1/ Preliminary.

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

Major industry group	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	July 1/	June 1/	July	July 1/	June 1/	July	July 1/	June 1/	July
MANUFACTURING.....	\$82.99	\$82.80	\$78.60	39.9	40.0	40.1	\$2.08	\$2.07	\$1.96
DURABLE GOODS.....	88.44	88.91	84.25	40.2	40.6	40.7	2.20	2.19	2.07
Ordnance and accessories.....	95.51	94.60	91.74	40.3	40.6	41.7	2.37	2.33	2.20
Lumber and wood products (except furniture).....	72.40	75.30	72.36	40.0	40.7	40.2	1.81	1.85	1.80
Furniture and fixtures.....	68.03	69.08	67.54	39.1	39.7	40.2	1.74	1.74	1.68
Stone, clay, and glass products.....	82.21	83.44	80.77	40.1	40.9	41.0	2.05	2.04	1.97
Primary metal industries.....	99.90	99.45	91.88	39.8	40.1	40.3	2.51	2.48	2.28
Fabricated metal products (except ordnance, machinery, and transportation equip- ment).....	88.73	89.40	83.44	40.7	41.2	40.7	2.18	2.17	2.05
Machinery (except electrical).	93.61	94.53	91.96	40.7	41.1	41.8	2.30	2.30	2.20
Electrical machinery.....	83.21	83.42	79.40	40.2	40.3	40.1	2.07	2.07	1.98
Transportation equipment.....	97.12	96.96	93.84	40.3	40.4	40.8	2.41	2.40	2.30
Instruments and related products.....	85.44	85.46	81.81	40.3	40.5	40.5	2.12	2.11	2.02
Miscellaneous manufacturing industries.....	72.04	72.00	68.90	39.8	40.0	39.6	1.81	1.80	1.74
NONDURABLE GOODS.....	75.05	74.09	71.71	39.5	39.2	39.4	1.90	1.89	1.82
Food and kindred products.....	79.32	79.13	75.03	41.1	41.0	41.0	1.93	1.93	1.83
Tobacco manufactures.....	64.96	61.85	58.74	40.1	38.9	38.9	1.62	1.59	1.51
Textile-mill products.....	58.20	58.20	55.87	38.8	38.8	38.8	1.50	1.50	1.44
Apparel and other finished textile products.....	54.09	53.34	52.27	36.3	35.8	35.8	1.49	1.49	1.46
Paper and allied products.....	86.92	85.46	84.28	42.4	42.1	43.0	2.05	2.03	1.96
Printing, publishing, and allied industries.....	96.00	96.13	93.80	38.4	38.3	38.6	2.50	2.51	2.43
Chemicals and allied products.	92.25	91.88	87.76	41.0	41.2	41.2	2.25	2.23	2.13
Products of petroleum and coal.....	111.87	109.06	107.01	41.9	41.0	41.8	2.67	2.66	2.56
Rubber products.....	92.93	91.21	85.75	41.3	40.9	39.7	2.25	2.23	2.16
Leather and leather products..	59.06	58.21	56.62	38.6	37.8	38.0	1.53	1.54	1.49

1/ Preliminary.

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

Major industry group	July 1957		June 1957		May 1957		July 1956	
	Gross average weekly hours	Average over-time hours	Gross average weekly hours	Average over-time hours	Gross average weekly hours	Average over-time hours	Gross average weekly hours	Average over-time hours
MANUFACTURING	39.9	2.4	40.0	2.4	39.7	2.2	40.1	2.6
DURABLE GOODS	40.2	2.3	40.6	2.4	40.3	2.3	40.7	2.8
Ordnance and accessories.....	-	-	40.6	1.9	40.7	2.1	41.7	2.9
Lumber and wood products (except furniture)....	-	-	40.7	3.2	40.2	2.8	40.2	3.3
Furniture and fixtures.....	-	-	39.7	2.2	39.2	1.9	40.2	2.4
Stone, clay, and glass products.....	-	-	40.9	3.3	40.8	3.2	41.0	3.7
Primary metal industries.....	-	-	40.1	2.3	39.6	1.8	40.3	2.8
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	-	-	41.2	3.0	40.9	2.7	40.7	2.7
Machinery (except electrical).....	-	-	41.1	2.7	41.1	2.7	41.8	3.4
Electrical machinery.....	-	-	40.3	1.9	40.1	1.8	40.1	2.0
Transportation equipment.....	-	-	40.4	1.8	39.9	1.8	40.8	2.5
Instruments and related products.....	-	-	40.5	1.8	40.2	1.9	40.5	2.2
Miscellaneous manufacturing industries.....	-	-	40.0	2.3	39.8	2.1	39.6	2.2
NONDURABLE GOODS	39.5	2.5	39.2	2.4	38.9	2.2	39.4	2.5
Food and kindred products.....	-	-	41.0	3.4	40.4	3.0	41.0	3.4
Tobacco manufactures.....	-	-	38.9	1.7	39.1	1.1	38.9	1.1
Textile-mill products.....	-	-	38.8	2.3	38.4	2.0	38.8	2.2
Apparel and other finished textile products....	-	-	35.8	1.0	35.8	1.0	35.8	1.0
Paper and allied products.....	-	-	42.1	4.2	42.0	4.0	43.0	4.8
Printing, publishing, and allied industries....	-	-	38.3	2.8	38.4	2.9	38.6	3.0
Chemicals and allied products.....	-	-	41.2	2.1	41.2	2.2	41.2	2.3
Products of petroleum and coal.....	-	-	41.0	2.2	40.9	2.2	41.8	2.4
Rubber products.....	-	-	40.9	2.9	40.0	2.5	39.7	2.5
Leather and leather products.....	-	-	37.8	1.2	36.3	.9	38.0	1.1

1/ Preliminary.

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

(1947-49=100)

Industry division	Current			Year ago
	July 1957 1/	June 1957 1/	May 1957	July 1956
TOTAL	120.2	120.9	119.9	117.2
Mining.....	89.9	90.6	88.1	80.7
Contract construction.....	156.3	153.6	146.4	154.7
Manufacturing.....	111.7	112.8	112.3	109.2
Transportation and public utilities.....	103.2	102.7	102.1	102.2
Wholesale and retail trade.....	122.1	122.2	121.3	118.7
Finance, insurance, and real estate...	138.6	136.7	134.9	136.1
Service and miscellaneous.....	133.3	133.9	133.3	128.7
Government.....	126.5	129.7	130.1	123.1

1/ Preliminary.

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

(1947-49=100)

Major industry group	Current			Year ago
	July 1957 1/	June 1957 1/	May 1957	July 1956
MANUFACTURING	103.2	104.8	104.2	101.4
DURABLE GOODS	111.4	113.9	113.9	106.6
Ordnance and accessories.....	330.9	339.7	339.7	361.8
Lumber and wood products (except furniture).....	87.8	89.4	86.4	95.3
Furniture and fixtures.....	103.6	105.6	104.3	103.6
Stone, clay, and glass products.....	102.1	105.7	104.8	107.1
Primary metal industries.....	104.9	106.1	106.2	72.6
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	111.7	113.6	113.4	105.6
Machinery (except electrical).....	106.2	109.0	110.4	109.7
Electrical machinery.....	131.3	133.5	132.3	132.6
Transportation equipment.....	134.2	138.1	140.3	125.2
Instruments and related products.....	113.4	114.9	116.5	116.5
Miscellaneous manufacturing industries .	98.2	101.6	100.8	101.1
NONDURABLE GOODS	93.6	94.1	93.0	95.2
Food and kindred products.....	93.4	89.2	84.8	96.3
Tobacco manufactures.....	65.3	69.1	69.1	71.9
Textile-mill products.....	72.6	74.6	74.5	75.9
Apparel and other finished textile products.....	97.2	100.4	99.8	98.4
Paper and allied products.....	114.8	117.3	116.1	115.3
Printing, publishing, and allied industries.....	115.7	115.9	115.5	113.2
Chemicals and allied products.....	104.0	105.0	106.6	105.6
Products of petroleum and coal.....	95.7	95.2	93.5	91.4
Rubber products.....	99.7	98.2	100.2	99.7
Leather and leather products.....	91.8	92.1	89.9	93.2

1/ Preliminary.

Seasonally Adjusted Data

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

Industry division	Index (1947-49=100)				Number (In thousands)			
	July 1957 ^{1/}	June 1957 ^{1/}	May 1957	July 1958	July 1957 ^{1/}	June 1957 ^{1/}	May 1957	July 1958
TOTAL.....	120.7	120.6	120.4	117.6	52,786	52,762	52,672	51,456
Mining.....	90.3	90.2	88.9	81.1	856	855	843	769
Contract construction.....	146.1	147.7	147.1	144.6	3,075	3,109	3,097	3,043
Manufacturing.....	112.8	113.3	113.5	110.3	16,844	16,915	16,946	16,468
Transportation and public utilities..	102.5	102.3	102.2	101.4	4,172	4,165	4,159	4,130
Wholesale and retail trade.....	123.6	123.0	122.7	120.1	11,629	11,575	11,542	11,303
Finance, insurance, and real estate..	135.9	135.3	134.9	133.4	2,345	2,336	2,329	2,303
Service and miscellaneous.....	132.6	131.9	131.3	128.0	6,488	6,455	6,424	6,265
Government.....	130.3	129.9	129.5	126.8	7,377	7,352	7,332	7,175

^{1/} Preliminary.

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

Major industry group	Index (1947-49=100)				Number (In thousands)			
	July 1957 ^{1/}	June 1957 ^{1/}	May 1957	July 1958	July 1957 ^{1/}	June 1957 ^{1/}	May 1957	July 1958
MANUFACTURING.....	104.7	105.4	105.7	102.8	12,951	13,031	13,073	12,712
DURABLE GOODS.....	113.2	113.8	114.2	108.3	7,552	7,595	7,621	7,225
Ordnance and accessories.....	330.9	339.7	339.7	361.8	75	77	77	82
Lumber and wood products (except furniture).....	86.0	86.4	86.0	93.4	635	638	635	689
Furniture and fixtures.....	108.0	109.0	107.0	108.0	319	322	316	319
Stone, clay, and glass products.....	103.0	105.3	104.8	108.3	448	458	456	471
Primary metal industries.....	106.0	106.1	106.7	73.3	1,091	1,092	1,098	755
Fabricated metal products (except ordnance, machinery, and transpor- tation equipment).....	115.1	114.1	113.9	108.9	897	889	887	848
Machinery (except electrical).....	107.8	107.9	109.3	111.3	1,226	1,227	1,243	1,266
Electrical machinery.....	136.2	134.9	133.7	137.4	872	864	856	880
Transportation equipment.....	134.2	138.1	140.3	125.2	1,372	1,412	1,435	1,280
Instruments and related products.....	115.5	115.5	117.0	119.1	224	224	227	231
Miscellaneous manufacturing industries.....	103.4	103.2	102.9	106.3	393	392	391	404
NONDURABLE GOODS.....	94.8	95.5	95.7	96.3	5,399	5,436	5,452	5,487
Food and kindred products.....	89.4	90.5	90.2	91.9	1,058	1,071	1,068	1,088
Tobacco manufactures.....	74.8	78.5	79.5	82.3	79	83	84	87
Textile-mill products.....	74.8	74.6	75.0	78.3	914	912	916	957
Apparel and other finished textile products.....	101.8	104.7	105.1	103.0	1,060	1,090	1,094	1,073
Paper and allied products.....	116.1	117.3	117.3	116.6	465	470	470	467
Printing, publishing, and allied industries.....	116.9	115.9	116.1	114.2	562	557	558	549
Chemicals and allied products.....	106.2	106.6	107.2	107.8	542	544	547	550
Products of petroleum and coal.....	94.1	93.5	93.0	89.8	175	174	173	167
Rubber products.....	102.6	98.2	100.7	102.6	209	200	205	209
Leather and leather products.....	92.6	92.6	93.2	94.0	335	335	337	340

^{1/} Preliminary.

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

(In thousands)

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service and miscellaneous	Government
Annual average:									
1919.....	26,829	1,124	1,021	10,534	3,711	4,664	1,050	2,054	2,671
1920.....	27,088	1,230	848	10,534	3,998	4,623	1,110	2,142	2,603
1921.....	24,125	953	1,012	8,132	3,459	4,754	1,097	2,187	2,531
1922.....	25,569	920	1,185	8,986	3,505	5,084	1,079	2,268	2,542
1923.....	28,128	1,203	1,229	10,155	3,882	5,494	1,123	2,431	2,611
1924.....	27,770	1,092	1,321	9,523	3,806	5,626	1,163	2,516	2,723
1925.....	28,505	1,080	1,446	9,786	3,824	5,810	1,166	2,591	2,802
1926.....	29,539	1,176	1,555	9,997	3,940	6,033	1,235	2,755	2,848
1927.....	29,691	1,105	1,608	9,839	3,891	6,165	1,295	2,871	2,917
1928.....	29,710	1,041	1,606	9,786	3,822	6,137	1,360	2,962	2,996
1929.....	31,041	1,078	1,497	10,534	3,907	6,401	1,431	3,127	3,066
1930.....	29,143	1,000	1,372	9,401	3,675	6,064	1,398	3,084	3,149
1931.....	26,383	864	1,214	8,021	3,243	5,531	1,333	2,913	3,264
1932.....	23,377	722	970	6,797	2,804	4,907	1,270	2,682	3,225
1933.....	23,466	735	809	7,258	2,659	4,999	1,225	2,614	3,167
1934.....	25,699	874	862	8,346	2,736	5,552	1,247	2,784	3,298
1935.....	26,792	888	912	8,907	2,771	5,692	1,262	2,883	3,477
1936.....	28,802	937	1,145	9,653	2,956	6,076	1,313	3,060	3,662
1937.....	30,718	1,006	1,112	10,606	3,114	6,543	1,355	3,233	3,749
1938.....	28,902	882	1,055	9,253	2,840	6,453	1,347	3,196	3,876
1939.....	30,311	845	1,150	10,078	2,912	6,612	1,399	3,321	3,995
1940.....	32,058	916	1,294	10,780	3,013	6,940	1,436	3,477	4,202
1941.....	36,220	947	1,790	12,974	3,248	7,416	1,480	3,705	4,660
1942.....	39,779	983	2,170	15,051	3,433	7,333	1,469	3,857	5,483
1943.....	42,106	917	1,567	17,381	3,619	7,189	1,435	3,919	6,080
1944.....	41,534	883	1,094	17,111	3,798	7,260	1,409	3,934	6,043
1945.....	40,037	826	1,132	15,302	3,872	7,522	1,428	4,011	5,944
1946.....	41,287	852	1,661	14,461	4,023	8,602	1,619	4,474	5,595
1947.....	43,462	943	1,982	15,290	4,122	9,196	1,672	4,783	5,474
1948.....	44,448	982	2,169	15,321	4,141	9,519	1,741	4,925	5,650
1949.....	43,315	918	2,165	14,178	3,949	9,513	1,765	4,972	5,856
1950.....	44,738	889	2,333	14,967	4,778	9,645	1,824	5,077	6,026
1951.....	47,347	916	2,603	16,104	4,166	10,012	1,892	5,264	6,389
1952.....	48,303	885	2,634	16,334	4,185	10,281	1,967	5,411	6,609
1953.....	49,681	852	2,622	17,238	4,221	10,527	2,038	5,538	6,645
1954.....	48,431	777	2,593	15,995	4,009	10,520	2,122	5,664	6,751
1955.....	50,056	777	2,759	16,563	4,062	10,846	2,219	5,916	6,914
1956.....	51,878	816	2,993	16,905	4,157	11,292	2,306	6,231	7,178
1956: June.....	52,135	833	3,237	16,825	4,191	11,236	2,328	6,320	7,165
July.....	51,258	765	3,256	16,301	4,161	11,164	2,349	6,296	6,966
August....	52,258	839	3,361	17,035	4,190	11,198	2,361	6,293	6,981
September..	52,663	842	3,342	17,119	4,191	11,319	2,325	6,322	7,203
October...	52,952	836	3,296	17,238	4,189	11,445	2,315	6,343	7,290
November..	53,007	837	3,174	17,180	4,184	11,657	2,314	6,327	7,334
December..	53,639	837	2,997	17,159	4,194	12,260	2,308	6,295	7,589
1957: January...	51,716	832	2,667	16,959	4,126	11,298	2,293	6,239	7,302
February..	51,704	833	2,673	16,945	4,120	11,225	2,301	6,273	7,334
March.....	51,894	831	2,756	16,933	4,147	11,265	2,310	6,317	7,335
April.....	52,245	833	2,906	16,822	4,153	11,428	2,320	6,432	7,351
May.....	52,456	835	3,082	16,762	4,156	11,411	2,329	6,520	7,361
June.....	52,874	859	3,233	16,847	4,182	11,501	2,359	6,552	7,341

Industry Employment

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

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	June	May	June	June	May	June
TOTAL	52,874	52,456	52,135	-	-	-
MINING.*	859	835	833	705	686	695
METAL MINING	112.8	111.9	112.0	95.8	95.7	95.7
Iron mining.....	39.1	38.2	37.8	34.2	33.8	33.1
Copper mining.....	33.5	33.0	33.4	28.2	27.7	28.3
Lead and zinc mining.....	17.9	17.4	17.6	15.2	14.8	15.0
ANTHRACITE	30.7	26.6	29.2	28.4	24.7	26.7
BITUMINOUS-COAL	242.0	238.7	233.4	218.8	216.7	212.8
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION.*	354.4	340.0	338.8	260.9	248.5	257.1
Petroleum and natural-gas production (except contract services).*	212.0	203.6	200.9	136.7	129.5	134.6
NONMETALLIC MINING AND QUARRYING	119.1	118.2	119.7	101.4	100.8	102.5
CONTRACT CONSTRUCTION	3,233	3,082	3,237	-	-	-
NONBUILDING CONSTRUCTION	713	663	709	-	-	-
Highway and street.....	319.9	296.2	320.3	-	-	-
Other nonbuilding construction.....	393.3	366.8	388.9	-	-	-
BUILDING CONSTRUCTION	2,520	2,419	2,528	-	-	-
GENERAL CONTRACTORS	1,009.9	977.5	1,076.4	-	-	-
SPECIAL-TRADE CONTRACTORS	1,509.7	1,441.1	1,451.8	-	-	-
Plumbing and heating.....	342.9	333.7	342.1	-	-	-
Painting and decorating.....	206.1	190.5	195.7	-	-	-
Electrical work.....	236.5	223.5	195.3	-	-	-
Other special-trade contractors.....	724.2	693.4	718.7	-	-	-
MANUFACTURING	16,847	16,762	16,825	12,962	12,894	13,108
DURABLE GOODS	9,906	9,895	9,800	7,601	7,600	7,636
NONDURABLE GOODS	6,941	6,867	7,025	5,361	5,294	5,472
ORDNANCE AND ACCESSORIES	128.3	127.6	130.5	77.0	76.5	83.2
FOOD AND KINDRED PRODUCTS	1,509.4	1,451.8	1,550.3	1,056.2	1,004.2	1,094.4
Meat products.....	325.3	320.7	335.5	257.4	253.2	266.3
Dairy products.....	109.4	104.3	116.9	75.6	71.5	79.1
Canning and preserving.....	196.5	168.2	213.1	163.8	136.2	180.5
Grain-mill products.....	113.9	113.5	120.2	78.2	78.4	84.9
Bakery products.....	290.1	287.6	292.5	172.3	169.4	174.1
Sugar.....	27.4	25.0	27.2	22.2	19.8	22.0
Confectionery and related products.....	73.7	73.5	71.5	59.8	59.6	57.4
Beverages.....	228.0	218.8	226.8	126.5	120.9	128.2
Miscellaneous food products.....	145.1	140.2	146.6	100.4	95.2	101.9
TOBACCO MANUFACTURES	82.5	81.9	86.4	73.1	72.8	78.1
Cigarettes.....	34.2	33.7	34.7	29.6	29.3	31.2
Cigars.....	32.7	32.9	33.8	31.0	31.2	32.1
Tobacco and snuff.....	6.7	6.6	7.1	5.6	5.6	6.0
Tobacco stemming and redrying.....	8.9	8.7	10.8	6.9	6.7	8.8

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

Industry	(In thousands)					
	All employees			Production workers		
	1957		1956	1957		1956
	June	May	June	June	May	June
TEXTILE-MILL PRODUCTS	1,003.1	1,003.6	1,057.8	912.1	911.2	965.8
Scouring and combing plants.....	6.9	6.6	6.8	6.2	5.9	6.3
Yarn and thread mills.....	117.6	118.1	122.3	108.4	109.2	113.2
Broad-woven fabric mills.....	428.1	429.2	460.7	401.5	401.9	433.3
Narrow fabrics and smallwares.....	29.1	29.2	29.3	25.5	25.6	25.6
Knitting mills.....	216.1	213.2	221.2	196.8	193.2	201.7
Dyeing and finishing textiles.....	88.0	88.0	91.4	76.6	76.5	79.5
Carpets, rugs, other floor coverings.....	49.4	51.1	53.9	40.0	41.9	45.3
Hats (except cloth and millinery.....	10.1	10.0	12.5	9.0	8.8	10.9
Miscellaneous textile goods.....	57.8	58.2	59.7	48.1	48.2	50.0
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	1,181.2	1,173.2	1,181.8	1,046.4	1,039.0	1,050.3
Men's and boys' suits and coats.....	124.1	121.0	124.7	111.3	108.1	112.3
Men's and boys' furnishings and work clothing.....	307.9	304.9	314.6	281.7	278.3	288.9
Women's outerwear.....	337.5	337.2	332.1	297.5	296.9	292.1
Women's, children's under garments.....	119.1	121.1	119.6	105.8	107.9	107.1
Millinery.....	13.8	15.3	14.0	11.7	13.1	11.8
Children's outerwear.....	79.9	75.4	76.4	70.8	66.8	68.4
Fur goods.....	12.5	11.7	12.7	9.4	8.9	9.5
Miscellaneous apparel and accessories....	61.5	60.3	63.8	55.0	54.0	57.5
Other fabricated textile products.....	124.9	126.3	123.9	103.2	105.0	102.7
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)	729.7	708.1	781.6	660.1	638.0	712.8
Logging camps and contractors.....	109.9	100.6	125.1	102.5	92.6	117.6
Sawmills and planing mills.....	377.9	368.4	404.0	347.3	337.6	374.4
Millwork, plywood, and prefabricated structural wood products.....	132.2	129.2	137.9	111.6	108.8	117.2
Wooden containers.....	52.5	52.5	55.8	48.1	48.2	51.4
Miscellaneous wood products.....	57.2	57.4	58.8	50.6	50.8	52.2
FURNITURE AND FIXTURES	372.7	368.6	372.8	311.6	307.5	312.3
Household furniture.....	261.6	259.1	260.0	225.4	222.5	224.1
Office, public-building, and professional furniture.....	47.5	47.1	48.1	37.7	37.5	38.7
Partitions, shelving, lockers, and fixtures.....	38.8	38.1	38.1	29.1	28.6	28.9
Screens, blinds, and miscellaneous furniture and fixtures.....	24.8	24.3	26.6	19.4	18.9	20.6
PAPER AND ALLIED PRODUCTS	578.7	573.1	572.1	469.8	464.9	466.9
Pulp, paper, and paperboards mills.....	281.7	277.8	280.8	233.2	230.0	233.1
Paperboard containers and boxes.....	158.8	157.1	156.7	128.4	126.7	127.8
Other paper and allied products.....	138.2	138.2	134.6	108.2	108.2	106.0
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	862.7	859.5	849.9	557.2	554.9	549.4
Newspapers.....	321.9	320.5	314.8	159.7	159.3	156.8
Periodicals.....	58.4	59.2	62.7	24.3	24.9	27.3
Books.....	53.3	53.4	52.9	33.9	34.2	32.9
Commercial printing.....	227.5	227.0	221.3	184.2	183.4	179.7
Lithographing.....	62.5	62.1	62.5	47.4	47.1	47.1
Greeting cards.....	17.7	16.6	19.3	12.8	11.6	14.0
Bookbinding and related industries.....	46.2	45.9	46.1	37.1	36.9	37.2
Miscellaneous publishing and printing services.....	75.2	74.8	70.3	57.8	57.5	54.4

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

Industry	(In thousands)					
	All employees			Production workers		
	1957		1956	1957		1956
	June	May	June	June	May	June
CHEMICALS AND ALLIED PRODUCTS.....	832.1	837.8	828.0	536.4	544.3	548.6
Industrial inorganic chemicals.....	108.2	108.0	109.7	73.2	73.2	75.5
Industrial organic chemicals.....	316.3	314.7	316.9	207.3	206.7	217.4
Drugs and medicines.....	102.5	101.5	97.0	59.1	58.8	57.2
Soap, cleaning and polishing preparations.....	50.7	50.1	50.4	30.7	30.4	30.2
Paints, pigments, and fillers.....	77.9	77.5	76.5	47.6	47.5	47.5
Gum and wood chemicals.....	8.5	8.6	8.1	7.2	7.3	6.8
Fertilizers.....	33.4	42.5	33.4	24.4	33.3	24.7
Vegetable and animal oils and fats.....	36.5	37.2	37.3	24.5	24.9	25.3
Miscellaneous chemicals.....	98.1	97.7	98.7	62.4	62.2	64.0
PRODUCTS OF PETROLEUM AND COAL.....	260.6	257.2	255.7	176.5	174.0	175.2
Petroleum refining.....	207.6	205.4	203.1	134.3	132.9	132.8
Coke, other petroleum and coal products..	53.0	51.8	52.6	42.2	41.1	42.4
RUBBER PRODUCTS.....	256.2	262.1	262.4	199.9	204.2	203.4
Tires and inner tubes.....	104.5	110.7	111.7	80.8	84.9	84.9
Rubber footwear.....	21.7	21.6	23.9	17.3	17.3	19.5
Other rubber products.....	130.0	129.8	126.8	101.8	102.0	99.0
LEATHER AND LEATHER PRODUCTS.....	374.1	366.3	380.9	333.1	324.8	340.0
Leather: tanned, curried, and finished..	40.9	40.4	42.7	36.5	36.0	38.3
Industrial leather belting and packing...	5.0	5.1	4.9	3.9	3.9	3.7
Boot and shoe cut stock and findings....	20.1	19.7	20.0	17.9	17.6	17.9
Footwear (except rubber).....	243.6	238.4	247.0	219.4	213.8	222.3
Luggage.....	17.1	16.8	17.5	14.4	14.1	15.0
Handbags and small leather goods.....	30.3	29.2	31.2	25.8	24.7	27.2
Gloves and miscellaneous leather goods...	17.1	16.7	17.6	15.2	14.7	15.6
STONE, CLAY, AND GLASS PRODUCTS.....	555.2	550.4	569.4	459.6	456.2	477.4
Flat glass.....	30.8	30.7	33.5	27.2	27.4	29.7
Glass and glassware, pressed or blown...	97.4	96.0	96.4	82.6	81.7	82.0
Glass products made of purchased glass...	16.5	16.5	16.5	13.9	13.8	13.8
Cement, hydraulic.....	41.6	42.6	44.0	34.7	35.7	37.1
Structural clay products.....	83.5	80.7	90.5	73.4	70.8	80.8
Pottery and related products.....	51.4	52.0	54.9	44.6	45.3	48.4
Concrete, gypsum, and plaster products...	122.6	120.2	121.6	99.5	97.3	100.7
Cut-stone and stone products.....	18.9	19.1	20.0	16.4	16.7	17.5
Miscellaneous nonmetallic mineral products.....	92.5	92.6	92.0	67.3	67.5	67.4
PRIMARY METAL INDUSTRIES.....	1,318.1	1,318.7	1,335.7	1,091.6	1,092.6	1,118.9
Blast furnaces, steel works, and rolling mills.....	651.4	651.5	660.4	546.0	546.4	561.2
Iron and steel foundries.....	229.0	229.8	237.1	197.9	198.4	205.9
Primary smelting and refining of nonferrous metals.....	68.0	67.9	67.2	53.5	53.9	53.9
Secondary smelting and refining of nonferrous metals.....	14.1	14.4	14.0	10.5	10.7	10.3
Rolling, drawing, and alloying of nonferrous metals.....	112.4	112.2	118.6	87.4	87.2	94.1
Nonferrous foundries.....	76.9	77.4	76.2	63.0	63.3	62.3
Miscellaneous primary metal industries...	166.3	165.5	162.2	133.3	132.7	131.2

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

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	June	May	June	June	May	June
FABRICATED METAL PRODUCTS (EXCEPT ORD- NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)	1,125.9	1,121.1	1,098.7	885.4	882.9	870.7
Tin cans and other tinware.....	58.6	56.6	60.6	51.0	49.3	53.4
Cutlery, hand tools, and hardware.....	140.8	142.7	143.3	111.2	113.4	114.4
Heating apparatus (except electric) and plumbers' supplies.....	111.3	111.7	122.7	85.0	85.3	95.1
Fabricated structural metal products.....	334.1	327.5	307.0	249.1	243.4	229.9
Metal stamping, coating, and engraving...	229.1	230.4	222.5	187.5	189.1	182.1
Lighting fixtures.....	58.9	51.2	47.1	40.1	40.6	37.0
Fabricated wire products.....	60.3	60.6	59.7	48.7	49.2	49.0
Miscellaneous fabricated metal products..	140.8	140.4	135.8	112.8	112.6	109.8
MACHINERY (EXCEPT ELECTRICAL)	1,712.0	1,728.4	1,724.0	1,239.3	1,255.4	1,274.0
Engines and turbines.....	84.0	84.1	76.5	59.3	59.5	55.0
Agricultural machinery and tractors.....	145.2	147.7	151.6	103.3	106.5	109.9
Construction and mining machinery.....	151.6	153.9	154.6	108.7	110.8	113.8
Metalworking machinery.....	288.6	290.9	282.4	220.8	222.6	217.2
Special-industry machinery (except metalworking machinery).....	183.7	183.6	190.2	128.0	128.0	134.6
General industrial machinery.....	267.1	266.7	260.0	174.3	174.5	174.5
Office and store machines and devices....	135.2	135.2	125.5	97.8	98.5	95.1
Service-industry and household machines..	179.8	187.3	212.7	133.7	140.6	164.5
Miscellaneous machinery parts.....	276.8	279.0	270.5	213.4	214.4	209.4
ELECTRICAL MACHINERY	1,221.2	1,211.2	1,193.5	855.1	847.3	861.7
Electrical generating, transmission, distribution, and industrial apparatus..	417.1	419.6	420.8	286.5	290.1	303.3
Electrical appliances.....	47.4	48.1	52.5	35.7	36.6	41.6
Insulated wire and cable.....	26.2	26.0	25.6	19.9	19.8	20.4
Electrical equipment for vehicles.....	74.0	71.8	67.9	57.7	55.8	53.0
Electric lamps.....	28.3	28.4	28.4	24.6	24.8	25.1
Communication equipment.....	577.7	568.0	549.3	394.2	384.6	382.2
Miscellaneous electrical products.....	50.5	49.3	49.0	36.5	35.6	36.1
TRANSPORTATION EQUIPMENT	1,920.6	1,941.4	1,766.6	1,412.4	1,434.8	1,298.6
Automobiles.....	795.8	812.7	758.1	634.2	651.9	595.1
Aircraft and parts.....	898.2	906.9	799.2	589.2	598.3	529.6
Aircraft.....	549.4	558.3	490.5	358.2	366.8	322.7
Aircraft engines and parts.....	178.6	179.7	162.9	112.7	113.2	102.5
Aircraft propellers and parts.....	20.6	20.4	16.4	14.2	13.9	11.1
Other aircraft parts and equipment.....	149.6	148.5	129.4	104.1	104.4	93.3
Ship and boat building and repairing.....	148.6	146.5	134.4	127.8	125.8	115.9
Shipbuilding and repairing.....	129.9	127.1	115.0	111.7	109.1	99.1
Boatbuilding and repairing.....	18.7	19.4	19.4	16.1	16.7	16.8
Railroad equipment.....	68.0	65.6	64.6	52.9	50.8	49.5
Other transportation equipment.....	10.0	9.7	10.3	8.3	8.0	8.5
INSTRUMENTS AND RELATED PRODUCTS	337.3	339.0	333.3	223.2	226.1	228.5
Laboratory, scientific, and engineering instruments.....	75.0	74.8	66.7	42.2	42.3	39.0
Mechanical measuring and controlling instruments.....	85.8	85.5	83.9	57.8	58.5	58.5
Optical instruments and lenses.....	13.8	13.7	13.9	10.2	10.2	10.6
Surgical, medical, and dental instruments.....	42.3	42.2	41.0	29.1	29.1	28.6
Ophthalmic goods.....	24.0	24.0	25.9	18.8	18.8	20.5
Photographic apparatus.....	69.5	68.5	68.3	43.4	42.9	44.1
Watches and clocks.....	27.7	30.3	33.6	21.7	24.3	27.2

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

Industry	(In thousands)					
	All employees			Production workers		
	1957		1956	1957		1956
	June	May	June	June	May	June
MISCELLANEOUS MANUFACTURING INDUSTRIES...	485.2	480.6	494.3	386.1	382.7	398.0
Jewelry, silverware, and plated ware....	47.3	47.2	48.7	36.9	36.7	38.6
Musical instruments and parts.....	16.9	17.1	18.0	14.0	14.3	15.3
Toys and sporting goods.....	89.3	88.2	96.8	74.2	73.4	82.3
Pens, pencils, other office supplies....	32.0	31.1	31.8	24.0	23.2	23.6
Costume jewelry, buttons, notions.....	59.8	58.1	62.5	48.1	46.6	50.0
Fabricated plastics products.....	88.2	88.0	84.0	68.9	68.8	67.0
Other manufacturing industries.....	151.7	150.9	152.5	120.0	119.7	121.2
TRANSPORTATION AND PUBLIC UTILITIES.....	4,182	4,156	4,191	-	-	-
TRANSPORTATION.....	2,761	2,749	2,798	-	-	-
Interstate railroads.....	1,144.3	1,137.1	1,225.2	-	-	-
Class I railroads.....	1,011.9	1,004.4	1,076.1	-	-	-
Local railways and bus lines.....	107.8	108.4	111.2	-	-	-
Trucking and warehousing.....	829.2	821.0	800.2	-	-	-
Other transportation and services.....	679.6	682.6	661.8	-	-	-
Bus lines, except local.....	45.0	44.0	42.9	-	-	-
Air transportation (common carrier).....	146.0	145.2	131.0	-	-	-
COMMUNICATION.....	815	810	794	-	-	-
Telephone.....	772.4	767.1	750.8	-	-	-
Telegraph.....	42.0	42.9	42.6	-	-	-
OTHER PUBLIC UTILITIES.....	606	597	599	-	-	-
Gas and electric utilities.....	581.1	573.3	574.8	-	-	-
Electric light and power utilities.....	252.9	249.3	250.1	-	-	-
Gas utilities.....	145.9	143.7	145.8	-	-	-
Electric light and gas utilities combined.....	182.3	180.3	178.9	-	-	-
Local utilities, not elsewhere classified.....	24.5	23.9	24.3	-	-	-
WHOLESALE AND RETAIL TRADE.....	11,501	11,411	11,236	-	-	-
WHOLESALE TRADE.....	3,134	3,113	3,001	-	-	-
Wholesalers, full-service and limited- function.....	1,805.2	1,795.8	1,754.1	-	-	-
Automotive.....	123.6	121.6	119.1	-	-	-
Groceries, food specialties, beer, wines, and liquors.....	317.5	315.2	307.8	-	-	-
Electrical goods, machinery, hardware, and plumbing equipment.....	464.0	460.9	459.3	-	-	-
Other full-service and limited-function wholesalers.....	900.1	898.1	867.9	-	-	-
Wholesale distributors, other.....	1,328.9	1,317.3	1,257.2	-	-	-
RETAIL TRADE.....	8,367	8,298	8,225	-	-	-
General merchandise stores.....	1,376.3	1,382.2	1,380.2	-	-	-
Department stores and general mail-order houses.....	880.3	885.0	899.7	-	-	-
Other general merchandise stores.....	496.0	497.2	480.5	-	-	-
Food and liquor stores.....	1,610.5	1,600.7	1,554.2	-	-	-
Grocery, meat, and vegetable markets....	1,127.7	1,126.2	1,080.2	-	-	-
Dairy-product stores and dealers.....	243.0	237.3	240.4	-	-	-
Other food and liquor stores.....	239.8	237.2	233.6	-	-	-
Automotive and accessories dealers.....	803.5	798.2	808.6	-	-	-
Apparel and accessories stores.....	619.1	621.7	611.9	-	-	-
Other retail trade.....	3,957.6	3,895.5	3,870.1	-	-	-
Furniture and appliance stores.....	393.1	392.2	391.6	-	-	-
Drug stores.....	372.9	360.9	344.2	-	-	-

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

(In thousands)

Industry	All employees			Production workers		
	1957		1956	1957		1956
	June	May	June	June	May	June
FINANCE, INSURANCE, AND REAL ESTATE.....	2,359	2,329	2,328	-	-	-
Banks and trust companies.....	615.3	606.7	581.8	-	-	-
Security dealers and exchanges.....	83.8	82.8	83.1	-	-	-
Insurance carriers and agents.....	853.7	845.8	821.6	-	-	-
Other finance agencies and real estate..	806.0	793.4	841.8	-	-	-
SERVICE AND MISCELLANEOUS.....	6,552	6,520	6,320	-	-	-
Hotels and lodging places.....	541.1	512.6	543.6	-	-	-
Personal services:						
Laundries.....	336.5	333.5	339.3	-	-	-
Cleaning and dyeing plants.....	168.9	168.0	172.9	-	-	-
Motion pictures.....	229.0	227.0	232.8	-	-	-
GOVERNMENT.....	7,341	7,361	7,165	-	-	-
FEDERAL.....	2,211	2,202	2,193	-	-	-
STATE AND LOCAL.....	5,130	5,159	4,972	-	-	-

*Employment data inadvertently omitted from table E, page xxviii, of the June 1957 Annual Supplement Issue of this publication are as follows for January and February 1957: Production workers - mining, 689.0 and 689.0; crude-petroleum and natural-gas production, 249.4 and 250.5; all employees, petroleum and natural-gas production (except contract services), 200.4 and 201.8, respectively.

Table A-3: Indexes of production-worker employment and weekly payrolls in manufacturing

Year	Production-worker employment		Production-worker payroll index (1947-49 = 100)	Year and month	Production-worker employment		Production-worker payroll index (1947-49 = 100)
	Number (in thousands)	Index (1947-49 = 100)			Number (in thousands)	Index (1947-49 = 100)	
1939....	8,192	66.2	29.9	<u>1956</u>			
1940....	8,811	71.2	34.0	June...	13,108	106.0	158.5
1941....	10,877	87.9	49.3	July...			
1942....	12,854	103.9	72.2	Aug....	12,536	101.4	150.5
1943....	15,014	121.4	99.0	Sept...	13,256	107.2	161.5
1944....	14,607	118.1	102.8	Oct....	13,345	107.9	166.7
1945....	12,864	104.0	87.8	Nov....	13,465	108.9	169.0
1946....	12,105	97.9	81.2	Dec....	13,392	108.3	168.2
1947....	12,795	103.4	97.7		13,350	107.9	171.4
1948....	12,715	102.8	105.1	<u>1957</u>			
1949....	11,597	93.8	97.2	Jan....	13,150	106.3	165.5
1950....	12,317	99.6	111.7	Feb....	13,114	106.0	165.0
1951....	13,155	106.4	129.8	Mar....	13,085	105.8	164.3
1952....	13,144	106.3	136.6	Apr....	12,960	104.8	161.5
1953....	13,833	111.8	151.4	May....	12,894	104.2	161.0
1954....	12,589	101.8	137.7	June...	12,962	104.8	163.9
1955....	13,061	105.6	152.9				
1956....	13,196	106.7	161.4				

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

(In thousands)

Region ^{1/}	1957		1956
	June	May	June
ALL REGIONS	228.3	225.3	215.9
PRIVATE YARDS	129.9	127.1	115.0
NAVY YARDS	98.4	98.2	100.9
NORTH ATLANTIC	94.9	93.4	87.9
Private yards.....	50.7	49.2	43.8
Navy yards ^{2/}	44.2	44.2	44.1
SOUTH ATLANTIC	37.2	36.7	36.1
Private yards.....	18.2	17.8	16.3
Navy yards.....	19.0	18.9	19.8
GULF:			
Private yards.....	32.6	31.5	27.8
PACIFIC	50.9	51.2	54.0
Private yards.....	15.7	16.1	17.0
Navy yards.....	35.2	35.1	37.0
GREAT LAKES:			
Private yards.....	6.3	6.4	4.8
INLAND:			
Private yards.....	6.4	6.1	5.3

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

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

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

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

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

The Inland region includes all other yards.

^{2/} Data include Curtis Bay Coast Guard Yard.

Table A-5: Government civilian employment and Federal military personnel

(In thousands)

Unit of Government	1957		1956
	June	May	June
TOTAL CIVILIAN EMPLOYMENT ^{1/}	7,341	7,361	7,165
FEDERAL EMPLOYMENT ^{2/}	2,211	2,202	2,193
Executive.....	2,184.4	2,175.8	2,166.6
Department of Defense.....	1,023.0	1,021.1	1,040.2
Post Office Department.....	518.7	522.3	506.1
Other agencies.....	642.7	632.4	620.3
Legislative.....	22.3	21.9	22.1
Judicial.....	4.6	4.5	4.3
DISTRICT OF COLUMBIA ^{3/}	236.2	232.1	232.7
Executive.....	215.2	211.3	211.7
Department of Defense.....	88.2	87.0	89.8
Post Office Department.....	8.9	8.9	8.5
Other agencies.....	118.1	115.4	113.3
Legislative.....	20.3	20.1	20.3
Judicial.....	.7	.7	.7
STATE AND LOCAL EMPLOYMENT	5,130	5,159	4,972
State.....	1,355.5	1,344.7	1,291.1
Local.....	3,774.0	3,814.2	3,680.8
Education.....	2,230.2	2,342.6	2,125.3
Other.....	2,899.3	2,816.3	2,846.6
TOTAL MILITARY PERSONNEL ^{4/}	2,824	2,820	2,835
Army.....	997.9	1,000.2	1,025.8
Air Force.....	919.1	916.4	910.0
Navy.....	676.5	675.9	669.9
Marine Corps.....	200.9	197.4	200.8
Coast Guard.....	29.9	29.7	28.4

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

^{2/} Data are prepared by the Civil Service Commission.

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

^{4/} Data refer to Continental United States and elsewhere.

**Table A-6: Employees in nonagricultural establishments,
by industry division and State**

(In thousands)

State	TOTAL			Mining			Contract construction		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
Alabama.....	739.5	740.8	705.4	15.5	15.4	13.2	43.0	42.3	40.8
Arizona.....	255.9	255.8	242.0	16.9	16.6	15.8	19.3	19.1	20.4
Arkansas.....	332.5	331.1	329.7	6.3	6.2	6.4	18.3	17.0	16.6
California.....	4,513.7	4,461.6	4,348.7	37.4	36.7	38.6	284.5	277.5	296.5
Colorado.....	469.0	458.1	463.9	16.1	15.7	16.2	31.9	27.8	34.7
Connecticut.....	929.7	922.1	909.6	(1/)	(1/)	(1/)	52.5	49.9	51.4
Delaware.....	151.7	148.8	157.7	(2/)	(2/)	(2/)	12.1	12.3	20.8
District of Columbia.....	505.5	505.4	504.2	(2/)	(2/)	(2/)	18.2	18.1	18.2
Florida.....	1,098.1	1,109.4	1,015.3	7.6	7.6	7.5	111.8	108.9	108.6
Georgia.....	968.1	971.4	969.9	4.8	4.8	5.0	58.3	55.2	57.8
Idaho.....	146.0	142.7	146.9	4.8	4.8	4.9	9.8	9.0	11.3
Illinois.....	3,514.5	3,495.1	3,522.3	30.7	29.8	31.0	213.2	203.8	201.0
Indiana.....	1,412.2	1,406.9	1,423.8	10.2	10.6	11.4	69.3	68.3	83.6
Iowa.....	660.4	655.5	659.6	3.3	3.3	3.2	41.3	37.0	43.3
Kansas.....	560.4	556.3	557.6	18.2	18.1	19.4	35.8	34.1	43.8
Kentucky.....	-	-	-	(3/)	39.3	39.8	-	-	-
Louisiana.....	781.0	771.6	756.2	48.9	46.5	45.8	69.5	66.6	55.3
Maine.....	287.0	273.8	292.7	.6	.6	.7	14.7	13.1	15.5
Maryland.....	882.6	873.5	872.3	2.6	2.6	2.6	68.8	62.3	76.0
Massachusetts.....	1,857.5	1,845.1	1,864.6	(2/)	(2/)	(2/)	87.7	84.7	90.1
Michigan.....	2,367.4	2,393.4	2,403.0	17.1	17.0	17.8	113.1	113.1	123.3
Minnesota.....	(3/)	893.9	895.0	(3/)	20.7	21.0	(3/)	54.3	63.3
Mississippi.....	359.1	361.4	360.5	3.9	3.9	3.8	15.9	15.9	17.4
Missouri.....	1,289.4	1,283.9	1,300.2	8.7	8.7	8.6	69.3	67.8	76.8
Montana.....	172.4	168.6	175.0	11.9	11.9	12.5	14.5	13.5	14.1
Nebraska.....	358.6	353.5	361.6	2.3	2.2	2.6	21.5	19.7	23.9
Nevada.....	90.3	87.7	88.9	4.7	4.8	5.4	8.4	8.4	8.5
New Hampshire.....	188.4	183.0	186.0	.3	.2	.3	10.0	9.2	11.2
New Jersey.....	1,930.4	1,913.5	1,932.7	4.8	4.8	4.3	110.7	108.8	110.8
New Mexico.....	205.3	202.7	195.0	17.1	17.0	16.2	15.9	15.4	15.9
New York.....	6,045.0	6,023.8	6,079.6	11.3	11.2	11.3	275.1	265.8	265.9
North Carolina.....	1,080.7	1,080.6	1,085.5	4.1	4.1	4.2	55.4	54.3	61.2
North Dakota.....	121.9	119.3	119.5	1.7	1.5	1.7	12.5	10.8	11.8
Ohio.....	3,155.1	3,147.8	3,172.6	23.0	22.5	22.7	179.8	173.3	167.0
Oklahoma.....	571.9	567.4	576.1	51.1	49.3	53.7	37.6	36.3 ^v	34.9
Oregon.....	505.0	490.5	512.9	1.2	1.1	1.2	25.4	24.0	26.4
Pennsylvania.....	3,826.5	3,806.4	3,823.1	91.9	88.4	96.1	184.2	178.1	199.5
Rhode Island.....	285.2	283.0	295.4	(2/)	(2/)	(2/)	19.2	17.4	19.1
South Carolina.....	528.3	531.8	534.2	1.3	1.3	1.3	28.6	28.5	29.9
South Dakota.....	127.9	125.2	131.5	2.7	2.6	2.7	11.5	9.8	12.6
Tennessee.....	(3/)	854.0	858.9	(3/)	8.0	9.5	(3/)	41.6	45.4
Texas.....	2,481.3	2,461.1	2,425.8	137.6	131.6	137.2	168.8	160.5	165.4
Utah.....	241.1	238.8	237.4	15.4	15.4	15.7	18.1	16.8	17.4
Vermont.....	105.0	103.2	106.4	1.4	1.4	1.4	5.5	4.8	5.3
Virginia.....	1,012.5	1,007.0	976.6 ^v	19.1	19.0	18.2	82.2	80.8	74.0
Washington.....	817.0	800.6	781.1	2.2	2.3	2.5	45.2	44.2	48.1
West Virginia.....	495.9	497.4	496.2	80.7	81.4	82.2	25.9	25.4	23.9
Wisconsin.....	1,144.4	1,135.7	1,141.3	4.2	4.2	4.4	58.7	57.5	64.3
Wyoming.....	93.4	86.8	91.4	9.2	8.7	8.9	7.8	6.3	7.6

See footnotes at end of table.

**Table A-6: Employees in nonagricultural establishments,
by industry division and State - Continued**

(In thousands)

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
Alabama.....	245.6	245.0	229.6	50.9	50.0	49.3	153.2	153.7	150.1
Arizona.....	40.2	39.3	36.1	21.6	21.3	21.6	62.5	62.7	59.1
Arkansas.....	88.5	88.5	90.6	28.4	27.7	28.7	79.6	80.1	80.1
California.....	1,246.8	1,238.4	1,188.8	366.9	362.3	356.3	1,010.0	995.6	976.5
Colorado.....	73.0	72.5	71.9	45.8	45.0	46.0	126.5	124.1	122.9
Connecticut.....	430.6	430.8	435.7	46.2	45.8	24.6	164.2	162.9	155.3
Delaware.....	61.1	60.4	59.9	11.0	11.1	11.5	30.0	29.5	28.4
District of Columbia.....	16.6	16.5	16.3	29.2	29.1	29.3	89.9	89.4	90.5
Florida.....	159.4	161.2	145.7	92.6	92.9	87.4	327.8	334.3	298.0
Georgia.....	326.1	327.7	333.1	72.7	73.2	73.7	216.4	214.9	216.4
Idaho.....	27.6	25.4	28.1	15.8	15.7	15.7	36.5	36.2	36.3
Illinois.....	1,259.6	1,256.1	1,292.9	305.0	303.2	310.7	735.4	734.2	737.2
Indiana.....	601.9	600.5	608.7	102.3	101.8	103.2	302.7	301.7	298.2
Iowa.....	166.0	164.6	168.1	53.9	52.8	57.0	178.7	178.9	178.2
Kansas.....	130.0	129.3	123.6	62.2	61.2	64.0	134.9	134.3	133.7
Kentucky.....	(3/)	165.1	168.7	(3/)	55.9	56.9	(3/)	136.5	133.9
Louisiana.....	149.6	147.5	150.5	85.0	84.3	87.1	183.8	183.4	182.7
Maine.....	110.6	102.0	115.4	21.4	20.8	21.7	56.8	55.6	56.9
Maryland.....	274.4	273.5	273.1	77.1	78.2	78.1	188.1	186.5	181.3
Massachusetts.....	694.4	693.3	711.6	121.5	121.2	120.4	392.0	388.4	390.7
Michigan.....	1,006.2	1,034.1	1,040.2	152.2	152.2	153.2	478.0	473.3	485.0
Minnesota.....	(3/)	221.8	218.8	(3/)	90.2	92.9	(3/)	217.6	218.4
Mississippi.....	106.4	104.3	106.3	25.6	25.4	25.8	87.9	87.8	88.8
Missouri.....	394.5	390.2	389.0	124.3	123.5	128.7	308.8	307.4	320.3
Montana.....	20.6	20.4	21.9	22.1	21.7	22.5	42.9	41.8	43.0
Nebraska.....	57.1	56.3	57.8	39.4	39.1	41.1	97.9	97.7	99.1
Nevada.....	5.8	5.6	5.9	9.2	9.1	9.5	19.5	18.2	19.1
New Hampshire.....	83.5	82.4	82.9	10.6	10.5	10.7	34.8	33.8	33.4
New Jersey.....	801.9	797.2	816.0	152.4	152.0	156.1	355.5	351.0	354.1
New Mexico.....	20.9	20.3	19.9	20.0	19.7	20.1	45.4	44.5	43.0
New York.....	1,862.8	1,860.3	1,910.4	503.0	502.5	505.5	1,320.1	1,313.6	1,346.9
North Carolina.....	460.2	458.8	466.8	62.4	62.4	62.6	224.4	225.0	224.1
North Dakota.....	6.5	6.3	6.8	13.8	13.4	13.9	39.0	38.6	38.3
Ohio.....	1,325.6	1,331.1	1,357.5	224.0	223.4	226.9	627.7	624.4	624.9
Oklahoma.....	87.1	86.4	90.7	48.5	48.2	50.7	137.9	137.8	141.4
Oregon.....	150.2	140.6	162.5	48.1	47.5	49.2	116.2	114.9	115.8
Pennsylvania.....	1,513.9	1,509.3	1,520.5	312.6	312.2	319.8	731.1	725.4	724.2
Rhode Island.....	118.6	117.6	125.7	15.4	15.4	16.1	53.1	53.5	55.1
South Carolina.....	224.9	226.4	231.4	25.5	25.7	26.1	106.8	107.4	106.8
South Dakota.....	11.7	11.2	12.0	10.0	9.8	10.2	38.1	38.1	40.4
Tennessee.....	(3/)	292.8	298.5	(3/)	58.6	59.3	(3/)	198.1	195.9
Texas.....	487.8	486.0	476.3	228.8	226.6	230.9	675.4	670.2	651.8
Utah ^{1/2}	34.8	34.3	35.5	22.7	22.2	23.1	57.7	56.5	56.0
Vermont.....	36.6	36.8	38.8	8.3	8.2	8.2	20.3	20.0	20.0
Virginia.....	258.4	256.7	256.4	91.7	91.3	90.0	232.1	231.7	219.5
Washington.....	237.1	226.7	210.6	67.6	66.4	66.2	182.5	179.3	180.3
West Virginia.....	129.9	128.7	131.7	52.7	52.3	52.0	90.0	90.1	88.4
Wisconsin.....	452.0	450.3	457.5	77.3	76.1	78.3	249.0	247.0	245.7
Wyoming.....	6.2	6.0	6.4	13.1	12.9	13.6	21.3	19.5	20.3

See footnotes at end of table.

**Table A-6: Employees in nonagricultural establishments,
by industry division and State - Continued**

(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
Alabama.....	28.5	28.3	27.4	67.4	67.1	65.4	135.4	139.0	129.6
Arizona.....	10.1	10.1	9.5	31.6	32.2	29.9	53.7	54.5	49.6
Arkansas.....	10.4	10.2	10.1	38.6	38.5	37.4	62.4	62.9	59.8
California.....	218.4	218.1	217.3	603.7	594.9	567.8	746.0	738.1	706.9
Colorado.....	21.5	21.4	21.3	63.3	60.5	62.6	90.9	91.1	88.3
Connecticut.....	50.8	50.2	47.2	101.4	99.1	94.2	83.9	83.2	81.2
Delaware.....	5.4	5.4	5.2	16.3	14.3	16.6	15.8	15.8	15.3
District of Columbia 5/.....	25.1	24.7	24.9	72.1	72.6	70.5	254.4	255.0	254.5
Florida.....	57.0	56.6	54.7	165.0	169.9	146.4	176.9	178.0	167.0
Georgia.....	40.4	40.3	39.1	96.4	96.4	95.5	153.0	158.9	149.3
Idaho.....	4.8	4.8	4.7	18.6	18.3	18.5	28.1	28.5	27.4
Illinois.....	179.7	177.1	176.5	423.0	423.5	411.7	368.0	367.4	361.4
Indiana.....	52.5	51.7	50.6	111.8	113.6	109.4	161.6	158.8	158.9
Iowa.....	31.5	30.6	30.0	77.7	77.6	75.8	108.2	110.9	104.2
Kansas.....	20.6	20.2	20.0	60.8	60.6	58.7	97.9	98.5	94.4
Kentucky.....	(3/)	20.5	20.4	(3/)	73.2	69.6	(3/)	104.2	99.8
Louisiana.....	28.4	27.8	27.5	90.2	89.4	86.3	125.6	126.1	121.0
Maine.....	8.8	8.8	8.6	29.3	27.5	29.2	44.8	45.4	44.7
Maryland 5/.....	40.4	40.1	39.4	104.3	103.1	99.8	126.9	127.2	122.0
Massachusetts.....	96.2	95.0	92.2	237.0	235.7	235.3	228.7	226.8	224.3
Michigan.....	75.8	75.3	74.3	250.8	249.3	243.6	274.3	279.0	265.6
Minnesota.....	(3/)	42.9	42.0	(3/)	105.4	102.6	(3/)	141.0	135.9
Mississippi.....	11.2	11.1	11.1	39.4	39.4	39.1	68.8	73.6	68.2
Missouri.....	64.4	63.7	64.2	157.5	158.4	155.3	161.9	164.2	157.3
Montana.....	6.0	5.9	5.8	23.2	21.8	22.8	31.2	31.6	32.4
Nebraska.....	20.9	20.7	20.8	47.2	46.7	46.6	72.4	71.1	69.6
Nevada.....	2.5	2.4	2.5	24.3	23.5	22.9	15.9	15.7	15.1
New Hampshire.....	6.3	6.2	5.9	22.1	20.0	21.1	20.9	20.7	20.5
New Jersey.....	83.2	82.5	81.6	217.7	213.0	206.9	204.2	204.2	202.9
New Mexico.....	7.1	7.0	6.7	25.9	25.4	23.3	53.0	53.4	49.9
New York.....	454.6	453.9	454.8	854.8	846.5	849.3	763.3	770.1	744.5
North Carolina.....	36.6	36.1	34.6	97.7	96.9	97.4	139.9	143.0	134.6
North Dakota.....	5.1	5.1	5.0	16.3	16.3	15.8	27.1	27.3	26.2
Ohio.....	106.2	104.8	103.9	307.4	306.0	314.6	361.4	362.3	355.1
Oklahoma.....	23.6	22.9	22.7	65.2	64.4	64.0	120.9	122.1	118.0
Oregon.....	18.9	18.4	18.8	62.3	60.8	59.7	82.7	83.2	79.3
Pennsylvania.....	142.7	140.9	140.1	438.0	434.7	419.3	412.1	417.4	403.6
Rhode Island.....	12.9	12.7	12.3	30.0	30.6	30.7	36.0	35.8	36.4
South Carolina.....	15.8	15.5	15.5	42.9	42.7	43.2	82.5	84.3	80.0
South Dakota.....	5.3	5.2	5.3	17.6	17.5	17.6	31.2	31.2	30.9
Tennessee.....	(3/)	31.2	31.0	(3/)	93.5	93.8	(3/)	130.2	125.5
Texas.....	115.4	113.8	110.8	299.8	298.5	293.0	367.7	373.9	360.4
Utah 4/.....	9.6	9.6	9.6	28.3	27.6	26.8	54.5	56.4	53.3
Vermont.....	3.5	3.5	3.4	13.7	12.7	13.5	15.9	16.1	15.8
Virginia 5/.....	43.6	43.1	42.8	112.5	110.2	106.2	172.9	174.2	169.5
Washington.....	34.3	34.2	33.7	94.9	93.5	88.9	153.2	154.0	150.8
West Virginia.....	12.5	12.4	12.6	44.8	45.0	45.4	59.4	62.1	60.0
Wisconsin.....	42.3	41.6	40.3	122.1	118.5	117.4	138.7	140.3	133.4
Wyoming.....	2.4	2.4	2.2	14.0	11.2	13.5	19.4	19.8	18.9

1/ Mining combined with construction. 2/ Mining combined with service. 3/ Not available. 4/ Revised series; not strictly comparable with previously published data. 5/ Federal employment in Maryland and Virginia portions of Washington, D. C., Metropolitan area included in data for District of Columbia.

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
ALABAMA				Los Angeles-Long Beach			
<u>Birmingham</u>				Total.....			
Total.....	213.0	212.3	187.6	Mining.....	2,191.4	2,176.2	2,100.2
Mining.....	10.8	10.8	8.4	Contract construction...	15.7	15.5	15.5
Contract construction...	15.0	14.4	13.0	Manufacturing.....	126.7	123.3	136.0
Manufacturing.....	71.3	70.9	52.6	Trans. and pub. util....	766.2	765.7	731.1
Trans. and pub. util....	16.7	16.7	16.3	Trade.....	141.6	141.1	135.4
Trade.....	47.0	47.1	46.7	Finance.....	477.0	473.3	458.7
Finance.....	12.1	12.0	11.9	Service.....	112.1	111.6	106.6
Service.....	22.3	22.0	21.8	Government.....	310.9	307.2	291.7
Government.....	17.8	18.7	17.0	<u>Sacramento</u>			
<u>Mobile</u>				Total.....			
Total.....	90.7	90.5	87.2	Mining.....	137.7	136.1	131.2
Contract construction...	5.0	5.0	5.0	Contract construction...	.6	.5	.5
Manufacturing.....	20.7	20.5	19.1	Manufacturing.....	9.7	9.3	9.7
Trans. and pub. util....	11.2	10.8	9.9	Trans. and pub. util....	17.7	17.5	15.5
Trade.....	18.2	18.1	18.4	Trade.....	12.2	12.1	12.6
Finance.....	3.9	3.8	3.7	Finance.....	27.5	27.7	25.9
Service 1/.....	9.7	9.6	9.4	Service.....	5.4	5.4	5.5
Government.....	22.0	22.8	21.8	Government.....	12.3	12.1	11.5
ARIZONA				<u>San Bernardino-</u>			
<u>Phoenix</u>				<u>Riverside-Ontario</u>			
Total.....	126.6	127.5	117.8	Manufacturing.....	28.3	28.1	27.3
Mining.....	.2	.2	.2	<u>San Diego</u>			
Contract construction...	9.6	9.5	10.3	Total.....			
Manufacturing.....	23.6	23.4	20.4	Mining.....	226.5	224.8	205.7
Trans and pub. util....	10.0	9.9	9.9	Contract construction...	.2	.2	.2
Trade.....	35.7	36.0	33.3	Manufacturing.....	13.8	14.0	14.0
Finance.....	6.9	6.9	6.6	Trans. and pub. util....	72.2	71.6	56.4
Service.....	16.0	16.5	14.6	Trade.....	12.1	11.9	11.3
Government.....	24.6	25.1	22.5	Finance.....	46.5	46.0	44.3
<u>Tucson</u>				Service.....			
Total.....	54.3	54.6	52.7	Government.....	10.0	10.0	9.6
Mining.....	2.4	2.4	2.2	<u>San Francisco-Oakland</u>			
Contract construction...	4.0	3.9	5.2	Total.....			
Manufacturing.....	9.7	9.2	9.2	Mining.....	948.7	940.0	936.1
Trans. and pub. util....	5.2	5.0	5.4	Contract construction...	2.0	2.0	1.8
Trade.....	12.5	12.6	12.2	Manufacturing.....	57.7	55.6	64.4
Finance.....	1.8	1.8	1.6	Trans. and pub. util....	196.7	193.7	193.7
Service.....	8.2	8.7	7.5	Trade.....	111.0	109.6	106.8
Government.....	10.5	11.0	9.4	Finance.....	214.2	213.3	210.4
ARKANSAS				Service.....			
<u>Little Rock-</u>				Government.....			
<u>N. Little Rock</u>				Total.....			
Total.....	70.3	70.9	72.2	Mining.....	131.9	129.4	119.4
Contract construction...	4.6	4.2	5.6	Contract construction...	.1	.1	.1
Manufacturing.....	12.0	12.0	12.6	Manufacturing.....	10.2	9.8	11.6
Trans. and pub. util....	7.7	7.7	8.1	Trans. and pub. util....	40.5	40.1	33.2
Trade.....	17.9	18.2	18.5	Trade.....	8.8	8.6	8.5
Finance.....	4.9	4.8	4.7	Finance.....	28.5	27.7	25.3
Service 1/.....	10.3	10.4	10.2	Service.....	5.9	5.9	5.7
Government.....	13.1	13.8	12.7	Government.....	18.5	18.0	16.7
CALIFORNIA				<u>San Jose</u>			
<u>Fresno</u>				Total.....			
Manufacturing.....	13.7	13.6	15.2	Mining.....	13.7	13.6	15.2

See footnotes at end of table.

Area Employment

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
CALIFORNIA-Continued				Stamford			
<u>Stockton</u>				Total.....	55.8	54.8	53.1
Manufacturing.....	11.7	11.5	12.2	Contract construction <u>1/</u>	5.0	4.8	4.4
				Manufacturing.....	21.6	21.8	21.1
				Trans. and pub. util....	3.1	3.0	3.0
				Trade.....	11.5	11.2	10.6
				Finance.....	1.9	1.9	1.7
				Service.....	8.9	8.4	8.5
				Government.....	3.8	3.8	3.8
COLORADO				Waterbury			
<u>Denver</u>				Total.....	66.7	66.1	69.3
Total.....	276.3	271.7	272.6	Contract construction <u>1/</u>	2.2	2.1	2.2
Mining.....	2.8	2.7	2.9	Manufacturing.....	40.2	39.9	43.7
Contract construction...	20.2	17.5	23.5	Trans. and pub. util....	2.8	2.7	2.7
Manufacturing.....	49.9	50.5	48.2	Trade.....	10.5	10.5	9.9
Trans. and pub. util....	29.8	29.6	29.4	Finance.....	1.5	1.5	1.4
Trade.....	78.3	77.2	75.6	Service.....	4.6	4.5	4.3
Finance.....	16.1	15.8	15.6	Government.....	4.9	4.9	5.1
Service.....	36.2	35.5	35.3				
Government.....	43.0	42.9	42.1				
				DELAWARE			
CONNECTICUT				<u>Wilmington</u>			
<u>Bridgeport</u>				Total.....	131.9	129.9	138.3
Total.....	127.4	126.8	126.1	Contract construction...	10.5	10.7	18.8
Contract construction <u>1/</u>	6.7	6.4	6.4	Manufacturing.....	58.8	58.6	57.2
Manufacturing.....	72.8	73.0	73.1	Trans. and pub. util....	9.7	9.9	10.2
Trans. and pub. util..	6.0	5.9	6.0	Trade.....	23.7	23.1	22.8
Trade.....	20.7	20.5	20.1	Finance.....	5.0	4.9	4.7
Finance.....	3.0	2.9	2.8	Service <u>1/</u>	13.2	11.7	13.9
Service.....	10.3	10.1	9.8	Government.....	11.0	11.0	10.7
Government.....	8.0	7.9	8.0				
				DISTRICT OF COLUMBIA			
<u>Hartford</u>				<u>Washington</u>			
Total.....	218.5	216.8	208.5	Total.....	656.9	656.3	652.1
Contract construction <u>1/</u>	11.7	10.8	11.4	Contract construction...	41.3	41.3	43.9
Manufacturing.....	83.8	83.4	79.1	Manufacturing.....	28.2	27.8	27.7
Trans. and pub. util....	8.9	8.9	8.2	Trans. and pub. util....	43.8	43.6	43.5
Trade.....	44.0	44.0	41.8	Trade.....	134.5	134.0	133.2
Finance.....	29.2	29.1	28.2	Finance.....	35.9	35.3	35.5
Service.....	22.3	22.0	21.4	Service <u>1/</u>	99.9	100.4	96.2
Government.....	18.7	18.7	18.4	Government.....	273.3	273.9	272.1
<u>New Britain</u>				FLORIDA			
Total.....	43.5	42.7	44.3	<u>Jacksonville</u>			
Contract construction <u>1/</u>	1.5	1.4	1.5	Total.....	130.5	130.8	127.9
Manufacturing.....	27.8	27.4	28.8	Contract construction...	9.0	9.2	9.5
Trans. and pub. util....	2.2	2.1	2.2	Manufacturing.....	20.1	19.7	20.2
Trade.....	6.0	5.8	6.0	Trans. and pub. util....	14.8	14.9	14.5
Finance.....	.8	.7	.7	Trade.....	39.9	39.8	38.0
Service.....	2.9	2.8	2.7	Finance.....	10.8	10.8	10.4
Government.....	2.4	2.4	2.4	Service <u>1/</u>	16.8	16.6	16.2
				Government.....	19.2	19.9	19.3
<u>New Haven</u>							
Total.....	129.1	127.7	125.5	<u>Miami</u>			
Contract construction <u>1/</u>	8.7	8.2	7.9	Total.....	275.3	278.7	252.4
Manufacturing.....	47.9	47.8	46.3	Contract construction...	24.8	23.9	24.5
Trans. and pub. util....	12.9	12.8	12.9	Manufacturing.....	35.0	36.1	32.9
Trade.....	24.4	24.1	24.0	Trans. and pub. util....	35.7	35.8	32.4
Finance.....	7.2	7.2	6.8				
Service.....	18.8	18.5	18.5				
Government.....	9.4	9.3	9.2				

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
FLORIDA-Continued				Peoria			
Miami-Continued				Total.....			
Trade.....	80.0	81.7	73.9	Contract construction...	102.2	101.6	101.3
Finance.....	15.8	15.6	14.6	Manufacturing.....	4.9	4.6	4.5
Service 1/.....	55.5	57.4	48.0	Trans. and pub. util....	46.6	46.5	46.6
Government.....	28.6	28.4	26.3	Trade.....	6.8	6.8	6.8
Tampa-St. Petersburg				Finance.....	22.0	22.2	22.0
Total.....	157.5	157.8	147.6	Service 1/.....	3.6	3.6	3.6
Contract construction...	17.7	17.5	16.4	Government.....	9.9	9.9	9.9
Manufacturing.....	27.8	28.1	25.1		8.3	8.1	7.9
Trans. and pub. util....	12.1	12.0	11.9	Rockford			
Trade.....	51.1	51.4	47.9	Total.....	76.7	76.0	77.5
Finance.....	8.1	8.0	7.7	Contract construction 1/	4.4	3.9	4.8
Service 1/.....	21.4	21.6	20.4	Manufacturing.....	43.0	42.8	43.9
Government.....	19.5	19.2	18.3	Trans. and pub. util....	2.7	2.7	2.7
GEORGIA				Trade.....	12.9	13.0	12.8
Atlanta				Finance.....	2.6	2.6	2.6
Total.....	341.2	341.8	339.3	Service.....	7.1	7.1	7.0
Contract construction...	20.8	19.6	21.0	Government.....	4.1	4.0	3.9
Manufacturing.....	86.7	87.5	87.4	INDIANA			
Trans. and pub. util....	34.3	34.4	33.9	Evansville			
Trade.....	89.8	89.3	90.4	Total.....	71.4	71.9	69.5
Finance.....	24.8	24.6	23.9	Mining.....	1.7	1.7	1.7
Service 1/.....	43.7	43.7	42.0	Contract construction...	4.3	4.2	4.2
Government.....	41.1	42.7	40.7	Manufacturing.....	31.4	32.0	29.4
Savannah				Trans. and pub. util....	4.8	4.8	4.9
Total.....	55.7	55.5	55.4	Trade.....	14.7	14.7	14.8
Contract construction...	4.1	3.9	4.2	Finance.....	2.2	2.2	2.2
Manufacturing.....	15.8	15.6	14.9	Service 2/.....	12.3	12.3	12.3
Trans. and pub. util....	6.3	6.7	6.7	Fort Wayne			
Trade.....	12.8	12.6	13.0	Total.....	80.1	79.9	83.7
Finance.....	2.0	2.0	2.1	Contract construction...	3.2	3.1	3.9
Service 1/.....	7.6	7.5	7.4	Manufacturing.....	35.7	35.6	38.1
Government.....	7.1	7.2	7.1	Trans. and pub. util....	7.5	7.5	7.6
IDAHO				Trade.....	17.6	17.6	18.5
Boise				Finance.....	3.9	3.8	3.7
Total.....	22.4	22.0	22.6	Service 3/.....	12.2	12.3	11.9
Contract construction...	1.8	1.7	2.1	Indianapolis			
Manufacturing.....	2.1	1.9	2.1	Total.....	293.8	291.3	291.0
Trans. and pub. util....	2.6	2.6	2.6	Contract construction...	13.4	13.2	14.0
Trade.....	6.7	6.7	6.8	Manufacturing.....	108.2	106.9	109.3
Finance.....	1.4	1.4	1.4	Trans. and pub. util....	23.2	22.9	23.3
Service.....	3.4	3.3	3.3	Trade.....	66.1	66.3	64.2
Government.....	4.4	4.4	4.3	Finance.....	18.1	17.7	17.3
ILLINOIS				Service 2/.....	64.8	64.3	62.9
Chicago				South Bend			
Total.....	2,626.7	2,614.8	2,643.6	Total.....	83.4	83.3	81.0
Mining.....	3.7	3.7	3.8	Contract construction...	3.4	3.2	3.6
Contract construction...	138.2	133.0	140.8	Manufacturing.....	42.3	42.0	39.6
Manufacturing.....	1,014.0	1,012.0	1,033.6	Trans. and pub. util....	4.8	4.8	4.8
Trans. and pub. util....	221.4	220.5	228.3	Trade.....	15.3	15.3	15.3
Trade.....	543.6	542.0	543.7	Finance.....	3.6	3.6	3.5
Finance.....	146.6	144.6	145.9	Service 3/.....	14.0	14.4	14.2
Service.....	328.9	330.0	319.6				
Government.....	230.3	229.1	228.0				

See footnotes at end of table.

Area Employment

Table A-7: Employees in nonagricultural establishments for selected areas, by industry division - Continued

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
IOWA				New Orleans			
<u>Des Moines</u>				Total.....			
Total.....	102.7	101.4	100.4	283.2	285.0	275.6	
Contract construction..	5.8	5.1	5.9	Mining.....	7.1	7.1	
Manufacturing.....	24.8	24.7	23.6	Contract construction..	20.0	20.2	
Trans. and pub. util...	7.8	7.7	7.8	Manufacturing.....	50.8	50.1	
Trade.....	27.0	26.8	26.7	Trans. and pub. util...	45.8	45.7	
Finance.....	10.8	10.4	10.6	Trade.....	72.4	72.6	
Service 1/.....	13.4	13.7	13.3	Finance.....	14.1	14.0	
Government.....	13.4	13.3	12.7	Service.....	40.1	41.3	
				Government.....			
				33.1 34.2 33.0			
KANSAS				MAINE			
<u>Topeka</u>				<u>Lewiston</u>			
Total.....	49.1	48.6	49.1	Total.....	28.5	27.9	
Mining.....	.2	.2	.2	Contract construction..	1.1	1.0	
Contract construction..	4.7	4.0	4.3	Manufacturing.....	14.9	14.5	
Manufacturing.....	6.1	6.2	6.5	Trans. and pub. util...	1.0	1.0	
Trans. and pub. util...	7.3	7.3	7.6	Trade.....	5.6	5.6	
Trade.....	9.9	9.8	9.8	Finance.....	.8	.8	
Finance.....	2.6	2.5	2.4	Service 1/.....	3.8	3.7	
Service.....	6.0	5.9	5.9	Government.....	1.3	1.3	
Government.....	12.6	12.8	12.5	<u>Portland</u>			
<u>Wichita</u>				Total.....			
Total.....	132.7	131.2	124.1	54.3	53.0	55.3	
Mining.....	1.9	1.9	1.9	Contract construction..	3.8	3.7	
Contract construction..	7.9	7.6	9.1	Manufacturing.....	13.7	12.8	
Manufacturing.....	60.3	59.6	51.6	Trans. and pub. util...	6.5	6.4	
Trans. and pub. util...	7.2	7.2	7.5	Trade.....	14.8	14.6	
Trade.....	26.3	26.0	25.8	Finance.....	3.6	3.6	
Finance.....	4.9	4.8	4.8	Service 1/.....	8.1	7.9	
Service.....	12.9	12.8	12.2	Government.....	3.8	4.0	
Government.....	11.5	11.5	11.3	MARYLAND			
KENTUCKY				<u>Baltimore</u>			
<u>Louisville</u>				Total.....			
Total.....	252.5	253.5	255.8	610.0	604.6	598.4	
Contract construction..	16.0	15.4	16.1	Mining.....	.9	.9	
Manufacturing.....	97.8	98.5	100.9	Contract construction..	42.8	38.0	
Trans. and pub. util...	23.4	23.4	22.9	Manufacturing.....	209.5	209.4	
Trade.....	55.5	55.6	56.0	Trans. and pub. util...	57.8	58.7	
Finance.....	10.3	10.3	10.3	Trade.....	122.3	121.7	
Service 1/.....	25.9	26.7	26.0	Finance.....	30.9	30.6	
Government.....	23.6	23.5	23.6	Service.....	69.8	69.4	
				Government.....			
				76.0 75.9 70.5			
LOUISIANA				MASSACHUSETTS			
<u>Baton Rouge</u>				<u>Boston</u>			
Total.....	68.3	68.5	64.8	Total.....	1031.1	1020.0	
Mining.....	.5	.5	.5	Contract construction..	51.2	49.2	
Contract construction..	8.0	8.1	7.1	Manufacturing.....	295.3	293.0	
Manufacturing.....	20.3	20.0	19.4	Trans. and pub. util...	74.6	74.7	
Trans. and pub. util...	4.1	4.0	4.1	Trade.....	249.2	246.5	
Trade.....	15.0	14.9	14.3	Finance.....	72.0	70.5	
Finance.....	2.6	2.5	2.5	Service 1/.....	158.0	156.6	
Service.....	6.4	6.4	6.3	Government.....	130.8	129.5	
Government.....	11.6	12.1	10.7	<u>Fall River</u>			
				Total.....			
				44.8 44.3 47.7			
				Manufacturing.....			
				23.9 23.7 26.5			
				Trans. and pub. util...			
				2.7 2.7 2.8			
				Trade.....			
				8.2 8.2 8.4			

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
MASSACHUSETTS-Continued				MINNESOTA			
Fall River-Continued				Duluth			
Government.....	3.1	3.1	3.1	Total.....	(4/)	43.5	42.6
Other nonmanufacturing..	6.9	6.6	6.9	Contract construction...	(4/)	2.8	2.5
New Bedford				Manufacturing.....	(4/)	11.1	10.2
Total.....	50.0	50.0	50.5	Trans. and pub. util....	(4/)	6.9	7.0
Contract construction..	1.4	1.3	1.7	Trade.....	(4/)	10.2	10.6
Manufacturing.....	28.0	28.0	28.3	Finance.....	(4/)	1.8	1.8
Trans. and pub. util....	2.5	2.6	2.3	Service 1/.....	(4/)	6.5	6.5
Trade.....	8.2	8.2	8.4	Government.....	(4/)	4.2	4.1
Government.....	3.6	3.6	3.5	Minneapolis-St. Paul			
Other nonmanufacturing..	6.3	6.3	6.3	Total.....	(4/)	498.4	493.4
Springfield-Holyoke				Contract construction...	(4/)	29.9	31.7
Total.....	165.7	165.2	166.2	Manufacturing.....	(4/)	147.5	143.5
Contract construction..	7.6	7.4	8.7	Trans. and pub. util....	(4/)	49.6	50.6
Manufacturing.....	72.5	72.5	74.1	Trade.....	(4/)	120.2	121.2
Trans. and pub. util....	8.6	8.5	8.8	Finance.....	(4/)	31.5	30.8
Trade.....	34.3	34.3	32.9	Service 1/.....	(4/)	59.4	57.4
Finance.....	7.2	7.1	7.1	Government.....	(4/)	60.3	58.2
Service 1/.....	18.1	18.0	17.6	MISSISSIPPI			
Government.....	17.4	17.4	17.0	Jackson			
Worcester				Total.....	56.5	56.7	55.6
Total.....	109.7	109.8	111.7	Mining.....	.8	.8	.8
Contract construction..	4.5	4.5	4.7	Contract construction...	4.1	4.0	4.3
Manufacturing.....	50.5	50.5	52.9	Manufacturing.....	10.6	10.6	10.2
Trans. and pub. util....	5.9	5.9	5.7	Trans. and pub. util....	4.6	4.6	4.5
Trade.....	20.3	20.5	20.7	Trade.....	15.3	15.2	15.3
Finance.....	5.0	4.9	4.8	Finance.....	3.6	3.6	3.6
Service 1/.....	11.7	11.8	11.8	Service.....	7.5	7.5	7.4
Government.....	11.8	11.7	11.1	Government.....	10.3	10.6	9.7
MICHIGAN				MISSOURI			
Detroit				Kansas City			
Total.....	1,274.7	1,290.3	1,291.8	Total.....	344.2	343.2	347.4
Mining.....	.8	.8	.8	Mining.....	.8	.8	.9
Contract construction..	64.5	64.3	67.6	Contract construction...	15.8	16.4	20.4
Manufacturing.....	562.0	577.0	774.0	Manufacturing.....	94.9	94.4	95.2
Trans. and pub. util....	80.2	80.6	79.8	Trans. and pub. util....	43.7	43.4	44.2
Trade.....	255.8	253.9	264.3	Trade.....	94.2	93.8	93.3
Finance.....	47.7	47.6	47.6	Finance.....	21.0	20.8	21.2
Service 1/.....	144.8	145.0	142.5	Service.....	40.6	40.4	40.6
Government.....	118.9	121.0	115.2	Government.....	33.2	33.2	31.6
Flint				St. Louis			
Manufacturing.....	72.6	75.2	74.5	Total.....	724.3	719.6	724.2
Grand Rapids				Mining.....	2.5	2.5	2.7
Manufacturing.....	49.0	49.5	52.1	Contract construction...	43.0	41.2	44.6
Lansing				Manufacturing.....	276.6	274.6	270.8
Manufacturing.....	25.7	27.4	25.7	Trans. and pub. util....	66.8	66.8	69.2
Muskegon				Trade.....	151.5	151.6	156.1
Manufacturing.....	25.2	25.6	26.9	Finance.....	36.3	36.0	36.5
Saginaw				Service.....	82.7	83.1	83.0
Manufacturing.....	24.6	24.3	23.5	Government.....	64.9	63.8	61.3
				MONTANA			
				Great Falls			
				Total.....	20.7	20.4	20.3
				Contract construction...	2.3	2.3	2.1

See footnotes at end of table.

Area Employment

**Table A-7: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
MONTANA-Continued				Paterson 6/-Continued			
Great Falls-Continued				Finance..... 12.1 12.0 12.3			
Manufacturing.....	3.0	3.0	2.9	Service.....	40.9	39.7	38.6
Trans. and pub. util....	2.5	2.4	2.5	Government.....	41.8	41.5	41.2
Trade.....	6.4	6.2	6.2	Perth Amboy 6/			
Service 5/.....	4.0	4.0	3.9	Total.....	158.7	158.4	160.6
Government.....	2.5	2.5	2.7	Mining.....	.8	.8	.7
NEBRASKA				Contract construction...	8.2	7.6	8.4
Omaha				Manufacturing.....	81.8	82.4	84.8
Total.....	151.8	149.9	153.4	Trans. and pub. util....	9.4	9.1	9.4
Contract construction...	8.6	8.2	9.5	Trade.....	23.3	23.3	22.6
Manufacturing.....	32.4	32.1	32.4	Finance.....	2.5	2.5	2.5
Trans. and pub. util....	22.7	22.5	23.6	Service.....	10.7	10.6	10.0
Trade.....	38.1	38.0	38.5	Government.....	22.0	22.1	22.2
Finance.....	12.8	12.7	12.6	Trenton			
Service 1/.....	21.3	20.6	21.3	Total.....	103.5	102.8	102.2
Government.....	16.0	15.9	15.6	Mining.....	.1	.1	.1
NEVADA				Contract construction...	4.2	3.7	3.9
Reno				Manufacturing.....	40.5	40.5	41.0
Total.....	27.7	26.5	26.9	Trans. and pub. util....	6.7	6.7	7.0
Contract construction...	2.4	2.5	2.3	Trade.....	17.5	17.4	17.9
Manufacturing 1/.....	1.8	1.7	1.9	Finance.....	3.4	3.4	3.3
Trans. and pub. util....	3.4	3.3	3.4	Service.....	13.7	13.7	12.4
Trade.....	7.2	6.8	6.8	Government.....	17.4	17.3	16.6
Finance.....	1.1	1.1	1.1	NEW MEXICO			
Service.....	7.7	7.1	7.4	Albuquerque			
Government.....	4.1	4.0	4.0	Total.....	66.8	65.8	61.4
NEW HAMPSHIRE				Contract construction...	5.2	4.9	4.9
Manchester				Manufacturing.....	11.3	11.0	10.2
Total.....	41.7	41.1	41.4	Trans. and pub. util....	5.8	5.8	5.6
Contract construction...	2.2	2.0	2.1	Trade.....	17.6	17.2	15.6
Manufacturing.....	18.4	18.3	19.0	Finance.....	3.3	3.3	3.5
Trans. and pub. util....	2.8	2.8	2.8	Service 1/.....	8.7	8.6	8.0
Trade.....	8.4	8.3	8.1	Government.....	14.9	15.0	13.6
Finance.....	2.1	2.1	2.0	NEW YORK			
Service.....	4.7	4.6	4.5	Albany-Schenectady-Troy			
Government.....	3.1	3.0	2.9	Total.....	209.5	206.4	211.6
NEW JERSEY				Contract construction...	8.7	8.6	7.3
Newark-Jersey City 6/				Manufacturing.....	74.4	72.4	78.2
Total.....	831.5	827.5	838.6	Trans. and pub. util....	16.8	16.7	16.7
Mining.....	.2	.2	.2	Trade.....	40.4	39.7	40.4
Contract construction...	27.0	26.8	31.2	Finance.....	7.2	7.2	7.2
Manufacturing.....	359.6	357.6	365.6	Service 1/.....	22.3	22.1	22.3
Trans. and pub. util....	84.9	84.3	87.7	Government.....	39.7	39.7	39.5
Trade.....	142.8	142.8	142.8	Binghamton			
Finance.....	47.8	47.6	46.9	Total.....	78.8	78.0	78.8
Service.....	87.2	85.9	83.3	Contract construction...	3.3	3.0	3.3
Government.....	82.0	82.3	80.9	Manufacturing.....	41.6	41.5	41.1
Paterson 6/				Trans. and pub. util....	4.0	4.0	4.0
Total.....	395.1	392.4	392.0	Trade.....	14.1	13.9	14.1
Mining.....	2.0	2.0	1.9	Finance.....	2.0	2.0	2.0
Contract construction...	25.3	25.2	24.1	Service 1/.....	6.1	6.1	6.3
Manufacturing.....	181.2	180.2	182.8	Government.....	7.8	7.5	7.8
Trans. and pub. util....	24.6	24.7	24.2				
Trade.....	67.2	67.1	66.9				

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
NEW YORK-Continued				Syracuse			
<u>Buffalo</u>				Total.....	148.7	147.8	148.7
Total.....	451.9	453.2	457.9	Contract construction...	7.0	6.5	6.9
Contract construction...	23.8	22.9	23.1	Manufacturing.....	60.3	60.3	60.5
Manufacturing.....	202.6	203.8	208.2	Trans. and pub. util....	11.2	11.1	11.4
Trans. and pub. util....	37.1	37.2	38.6	Trade.....	32.0	31.8	31.8
Trade.....	87.1	87.6	88.3	Finance.....	7.0	7.0	6.5
Finance.....	14.5	14.3	14.1	Service 1/.....	14.7	16.7	16.8
Service 1/.....	46.7	47.2	47.5	Government.....	16.5	14.6	14.9
Government.....	40.3	40.2	38.1				
				<u>Utica-Rome</u>			
<u>Elmira</u>				Total.....	105.7	103.8	101.5
Total.....	35.2	34.9	34.8	Contract construction...	4.2	3.6	3.5
Contract construction...	18.3	18.1	17.6	Manufacturing.....	46.2	45.7	44.4
Manufacturing.....	6.5	6.5	6.6	Trans. and pub. util....	5.6	5.5	5.6
Trade.....	10.4	10.3	10.6	Trade.....	16.7	16.5	16.4
Other nonmanufacturing..				Finance.....	3.4	3.4	3.3
				Service 1/.....	9.1	8.8	8.8
				Government.....	20.4	20.3	19.6
<u>Nassau and Suffolk</u>				<u>Westchester County 6/</u>			
<u>Counties 6/</u>				Total.....	203.0	201.7	199.1
Total.....	345.6	337.7	330.7	Contract construction...	18.8	19.1	20.1
Contract construction...	29.4	29.1	33.5	Manufacturing.....	52.0	51.3	49.9
Manufacturing.....	104.4	103.9	99.7	Trans. and pub. util....	15.3	15.2	14.4
Trans. and pub. util....	21.8	21.7	21.7	Trade.....	46.9	46.5	46.5
Trade.....	76.8	74.8	73.0	Finance.....	10.4	10.3	10.1
Finance.....	11.5	11.5	11.5	Service 1/.....	34.1	33.8	33.3
Service 1/.....	44.3	39.8	39.9	Government.....	25.5	25.4	24.7
Government.....	57.4	56.9	51.4				
<u>New York-Northeastern</u>				NORTH CAROLINA			
<u>New Jersey</u>				<u>Charlotte</u>			
Total.....	5,488.0	5,480.2	5,502.6	Total.....	96.8	96.7	95.3
Mining.....	6.5	6.5	6.3	Contract construction...	9.0	8.7	9.3
Contract construction...	232.3	230.2	233.7	Manufacturing.....	23.1	23.5	23.3
Manufacturing.....	1,688.2	1,691.5	1,731.9	Trans. and pub. util....	10.4	10.4	9.9
Trans. and pub. util....	486.7	486.1	488.6	Trade.....	29.1	28.9	28.9
Trade.....	1,178.8	1,174.1	1,188.8	Finance.....	6.9	6.8	6.3
Finance.....	450.9	450.8	443.6	Service 1/.....	10.9	11.0	11.1
Service.....	804.9	798.4	788.9	Government.....	7.4	7.4	6.5
Government.....	639.7	642.6	620.8				
<u>New York City 6/</u>				<u>Greensboro-High Point</u>			
Total.....	3,524.3	3,532.8	3,551.8	Manufacturing.....	43.1	42.9	43.5
Mining.....	1.8	1.8	1.9				
Contract construction...	121.4	120.2	114.2				
Manufacturing.....	898.3	905.1	937.7				
Trans. and pub. util....	328.7	329.2	329.4				
Trade.....	817.6	815.4	833.3				
Finance.....	365.7	366.0	359.5				
Service.....	586.1	587.1	582.1				
Government.....	404.6	408.0	393.8				
				<u>Winston-Salem</u>			
				Manufacturing.....	34.1	34.1	33.9
				NORTH DAKOTA			
<u>Rochester</u>				<u>Fargo</u>			
Total.....	224.0	221.0	221.9	Total.....	22.8	22.2	22.1
Contract construction...	11.0	9.9	10.7	Contract construction...	2.7	2.3	2.2
Manufacturing.....	111.8	110.2	111.8	Manufacturing.....	2.2	2.1	2.3
Trans. and pub. util....	10.2	10.1	10.0	Trans. and pub. util....	2.3	2.3	2.3
Trade.....	40.1	39.9	39.9	Trade.....	7.9	7.9	7.8
Finance.....	7.5	7.4	7.1	Finance.....	1.5	1.5	1.5
Service 1/.....	24.0	24.1	23.5	Service 1/.....	3.2	3.2	3.1
Government.....	19.5	19.4	19.0	Government.....	3.0	3.1	3.0

See footnotes at end of table.

Area Employment

**Table A-7: Employees in nonagricultural establishments
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
OHIO				PENNSYLVANIA			
<u>Akron</u>				<u>Allentown-Bethlehem-</u>			
Manufacturing.....	92.0	91.1	91.5	<u>Easton</u>			
<u>Canton</u>				Manufacturing.....	98.3	98.2	100.9
Manufacturing.....	61.0	60.6	63.3	<u>Erie</u>			
<u>Cincinnati</u>				Manufacturing.....	43.9	43.8	44.2
Manufacturing.....	163.0	162.9	163.4	<u>Harrisburg</u>			
<u>Cleveland</u>				Total.....	144.0	142.2	140.7
Manufacturing.....	309.7	310.7	313.5	Mining.....	.5	.5	.5
<u>Columbus</u>				Contract construction..	10.0	9.3	8.9
Manufacturing.....	73.5	75.0	77.2	Manufacturing.....	35.6	35.1	34.5
<u>Dayton</u>				Trans. and pub. util...	14.4	14.3	14.8
Manufacturing.....	93.8	96.3	100.6	Trade.....	24.7	24.3	23.9
<u>Toledo</u>				Finance.....	6.0	5.9	5.9
Manufacturing.....	61.0	61.8	60.4	Service.....	13.2	13.1	12.6
<u>Youngstown</u>				Government.....	39.6	39.7	39.6
Manufacturing.....	112.4	114.0	118.8	<u>Lancaster</u>			
OKLAHOMA				Manufacturing.....	45.4	44.5	45.4
<u>Oklahoma City</u>				<u>Philadelphia</u>			
Total.....	144.7	143.7	145.4	Manufacturing.....	549.7	549.3	542.5
Mining.....	8.0	8.1	8.0	<u>Pittsburgh</u>			
Contract construction..	10.1	9.8	10.8	Total.....	845.4	838.9	830.1
Manufacturing.....	16.0	15.7	16.6	Mining.....	18.1	18.0	18.2
Trans. and pub. util...	10.9	10.8	11.0	Contract construction..	56.0	52.4	47.9
Trade.....	37.9	37.7	38.2	Manufacturing.....	337.8	337.5	342.5
Finance.....	8.2	8.1	8.1	Trans. and pub. util...	70.4	70.2	71.9
Service.....	18.0	17.8	17.9	Trade.....	160.7	158.7	157.5
Government.....	35.7	35.8	34.8	Finance.....	28.4	27.9	27.9
<u>Tulsa</u>				Service.....	99.4	98.5	92.7
Total.....	127.9	129.0	131.9	Government.....	74.6	75.7	71.5
Mining.....	13.3	13.1	13.4	<u>Reading</u>			
Contract construction..	8.1	9.2	9.2	Manufacturing.....	49.6	49.5	50.5
Manufacturing.....	30.8	31.5	34.4	<u>Scranton</u>			
Trans. and pub. util...	14.2	14.2	13.6	Manufacturing.....	32.0	31.6	32.4
Trade.....	30.4	30.3	31.1	<u>Wilkes-Barre-Hazleton</u>			
Finance.....	6.4	6.3	6.4	Manufacturing.....	39.0	38.7	38.6
Service.....	16.6	16.5	16.1	<u>York</u>			
Government.....	8.1	8.0	7.8	Manufacturing.....	43.1	42.6	45.2
OREGON				RHODE ISLAND			
<u>Portland</u>				<u>Providence</u>			
Total.....	259.6	253.9	260.9	Total.....	279.0	278.0	288.9
Contract construction..	14.8	13.8	15.4	Contract construction..	17.0	15.4	16.9
Manufacturing.....	63.7	60.9	66.9	Manufacturing.....	126.8	126.9	134.0
Trans. and pub. util...	30.2	29.7	30.3	Trans. and pub. util...	13.7	13.7	14.3
Trade.....	67.1	66.8	67.2	Trade.....	50.5	50.9	52.3
Finance.....	13.5	13.2	13.2	Finance.....	12.6	12.4	12.1
Service.....	35.3	34.6	34.4	Service.....	27.8	28.3	28.3
Government.....	35.0	34.9	33.5	Government.....	30.6	30.4	31.0

See footnotes at end of table.

**Table A-7: Employees in nonagricultural establishments,
for selected areas, by industry division - Continued**

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957	1957	1956		1957	1957	1956
	June	May	June		June	May	June
SOUTH CAROLINA				Nashville			
<u>Charleston</u>				<u>Total</u>	136.5	136.7	133.1
Total.....	54.6	55.3	53.2	Mining.....	.3	.3	.3
Contract construction...	3.6	3.5	3.5	Contract construction...	6.6	6.7	6.4
Manufacturing.....	9.5	9.6	9.8	Manufacturing.....	38.2	38.0	36.8
Trans. and pub. util....	4.9	5.1	4.3	Trans. and pub. util....	12.5	12.5	12.4
Trade.....	13.6	13.5	13.1	Trade.....	31.0	31.3	30.3
Finance.....	2.2	2.2	2.1	Finance.....	9.2	9.0	8.9
Service 1/.....	5.0	5.0	5.0	Service.....	20.7	20.7	20.2
Government.....	15.9	16.5	15.6	Government.....	18.1	18.4	18.0
<u>Greenville</u>				TEXAS			
Manufacturing.....	30.3	30.1	31.0	<u>Dallas</u>			
SOUTH DAKOTA				Manufacturing.....	88.5	87.7	82.2
<u>Sioux Falls</u>				<u>Houston</u>			
Total.....	24.1	23.5	24.9	Manufacturing.....	92.6	90.7	90.6
Contract construction...	1.7	1.4	2.0	UTAH			
Manufacturing.....	5.2	4.8	5.3	<u>Salt Lake City 7/</u>			
Trans. and pub. util....	2.2	2.2	2.2	Total.....	123.3	122.8	121.8
Trade.....	8.0	8.0	8.3	Mining.....	7.6	7.6	7.7
Finance.....	1.6	1.5	1.6	Contract construction...	9.1	8.9	9.5
Service 1/.....	3.6	3.6	3.5	Manufacturing.....	18.5	18.4	18.5
Government.....	2.0	2.0	2.1	Trans. and pub. util....	13.3	13.1	13.0
TENNESSEE				Trade.....	35.6	35.5	34.6
<u>Chattanooga</u>				Finance.....	7.5	7.4	7.5
Total.....	92.4	92.3	93.4	Service.....	16.5	16.1	15.8
Mining.....	.1	.1	.1	Government.....	15.2	15.8	15.2
Contract construction...	3.6	3.7	3.5	VERMONT			
Manufacturing.....	43.1	43.0	44.4	<u>Burlington</u>			
Trans. and pub. util....	5.6	5.6	5.6	Total.....	17.5	17.1	17.0
Trade.....	17.7	17.6	18.1	Manufacturing.....	4.5	4.5	3.9
Finance.....	4.4	4.4	4.2	Trans. and pub. util....	1.4	1.4	1.5
Service.....	9.4	9.3	9.4	Trade.....	4.6	4.6	4.5
Government.....	8.7	8.7	8.4	Service.....	3.4	3.2	3.2
<u>Knoxville</u>				Other nonmanufacturing..	3.7	3.5	3.9
Total.....	114.5	115.9	117.6	Springfield			
Mining.....	2.1	2.0	2.2	Total.....	12.4	12.5	13.5
Contract construction...	6.5	6.6	6.9	Manufacturing.....	7.5	7.7	8.6
Manufacturing.....	42.3	42.9	44.6	Trans. and pub. util....	.6	.6	.6
Trans. and pub. util....	7.7	7.7	7.8	Trade.....	1.6	1.6	1.6
Trade.....	25.6	25.9	26.0	Service.....	1.2	1.1	1.1
Finance.....	2.7	2.7	2.7	Other nonmanufacturing..	1.7	1.6	1.7
Service.....	11.6	11.5	11.5	VIRGINIA			
Government.....	16.2	16.7	16.0	<u>Norfolk-Portsmouth</u>			
<u>Memphis</u>				Total.....	161.8	160.9	157.1
Total.....	(4/)	187.1	187.4	Mining.....	.2	.2	.2
Mining.....	(4/)	.3	.4	Contract construction...	14.6	14.6	12.6
Contract construction...	(4/)	8.3	9.5	Manufacturing.....	15.7	15.5	15.6
Manufacturing.....	(4/)	45.4	46.1	Trans. and pub. util....	17.7	17.8	17.3
Trans. and pub. util....	(4/)	16.6	16.3	Trade.....	43.5	43.3	41.6
Trade.....	(4/)	55.4	55.2	Finance.....	6.0	5.9	5.8
Finance.....	(4/)	8.3	8.3	Service.....	18.9	18.4	18.1
Service.....	(4/)	24.4	24.9	Government.....	45.2	45.2	45.9
Government.....	(4/)	28.6	27.0				

See footnotes at end of table.

Area Employment

Table A-7: Employees in nonagricultural establishments for selected areas, by industry division - Continued

(In thousands)

Area and industry division	Number of employees			Area and industry division	Number of employees		
	1957		1956		1957		1956
	June	May	June		June	May	June
VIRGINIA-Continued				Charleston-Continued			
<u>Richmond</u>				Trans. and pub. util...			
Total.....	167.1	165.8	160.4	10.3	10.1	10.2	
Mining.....	.3	.3	.3	Trade.....	19.7	19.7	19.1
Contract construction...	13.1	12.7	12.3	Finance.....	3.3	3.2	3.3
Manufacturing.....	40.0	39.8	38.9	Service.....	9.4	9.4	9.6
Trans. and pub. util....	16.0	15.9	15.7	Government.....	10.1	10.7	9.5
Trade.....	42.5	42.6	40.4	<u>Wheeling-Steubenville</u>			
Finance.....	13.6	13.5	13.1	Total.....	(4/)	113.4	114.6
Service.....	19.3	18.8	18.2	Mining.....	(4/)	5.9	5.9
Government.....	22.3	22.2	21.5	Contract construction..	(4/)	5.6	4.6
WASHINGTON				Manufacturing.....	(4/)	52.5	54.1
<u>Seattle</u>				Trans. and pub. util...	(4/)	9.2	9.6
Total.....	330.9	326.6	306.1	Trade.....	(4/)	19.4	19.9
Contract construction...	17.0	16.8	15.9	Finance.....	(4/)	3.1	3.1
Manufacturing.....	108.2	104.7	86.0	Service.....	(4/)	10.6	10.6
Trans. and pub. util....	28.7	28.1	28.0	Government.....	(4/)	7.2	7.0
Trade.....	75.5	75.0	75.1	WISCONSIN			
Finance.....	18.6	18.4	18.5	<u>Milwaukee</u>			
Service 1/.....	38.7	38.0	38.6	Total.....	435.9	434.0	430.9
Government.....	44.2	45.6	44.0	Contract construction..	22.6	21.7	23.6
<u>Spokane</u>				Manufacturing.....	191.3	192.1	192.8
Total.....	76.4	75.4	78.6	Trans. and pub. util...	29.4	28.9	29.4
Contract construction...	4.5	4.1	5.8	Trade.....	87.9	87.8	86.4
Manufacturing.....	14.8	14.4	15.2	Finance.....	20.7	20.5	19.8
Trans. and pub. util....	8.9	8.8	8.8	Service 1/.....	49.1	48.9	45.8
Trade.....	21.5	21.2	21.6	Government.....	34.9	34.0	33.0
Finance.....	3.9	3.8	4.1	<u>Racine</u>			
Service 1/.....	11.7	12.0	12.2	Total.....	41.7	41.8	42.5
Government.....	11.1	11.1	10.9	Contract construction..	2.4	2.3	2.3
<u>Tacoma</u> ✓				Manufacturing.....	20.8	21.2	22.4
Total.....	77.2	75.5	76.4	Trans. and pub. util...	1.7	1.7	1.8
Contract construction...	4.6	4.1	3.8	Trade.....	7.6	7.4	7.4
Manufacturing.....	16.9	16.4	17.4	Finance.....	.9	.9	.8
Trans. and pub. util....	7.2	7.0	7.2	Service 1/.....	4.5	4.5	4.2
Trade.....	17.1	17.1	17.1	Government.....	3.7	3.7	3.5
Finance.....	3.1	3.0	3.0	WYOMING			
Service 1/.....	9.1	8.8	8.8	<u>Casper</u>			
Government.....	19.2	19.1	19.1	Mining.....	3.5	3.3	3.4
WEST VIRGINIA				Contract construction..	1.6	1.4	1.8
<u>Charleston</u>				Manufacturing.....	1.8	1.8	1.8
Total.....	94.9	95.1	92.2	Trans. and pub. util...	1.9	1.9	1.7
Mining.....	9.8	9.9	10.2	Trade.....	4.1	4.1	3.9
Contract construction...	6.1	6.1	4.5	Finance.....	.5	.5	.6
Manufacturing.....	26.4	26.2	26.0	Service.....	2.4	2.3	2.1

1/ Includes mining.

2/ Includes government.

3/ Includes mining and government.

4/ Not available.

5/ Includes mining and finance.

6/ Subarea of New York-Northeastern New Jersey.

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

Table A-8: Women employees in manufacturing industries

Industry	April 1957		January 1957		April 1956	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
MANUFACTURING.....	4,318.2	27	4,364.3	26	4,337.3	26
DURABLE GOODS.....	1,750.7	18	1,769.1	18	1,758.5	18
NONDURABLE GOODS.....	2,567.5	37	2,595.2	37	2,578.8	37
ORDNANCE AND ACCESSORIES.....	23.8	18	24.2	18	25.0	19
FOOD AND KINDRED PRODUCTS.....	349.3	24	354.1	24	347.4	24
Meat products.....	78.4	25	82.5	24	76.4	24
Dairy products.....	21.6	21	21.6	21	22.6	21
Canning and preserving.....	67.4	41	67.0	41	67.5	39
Grain-mill products.....	17.5	15	17.7	15	17.9	15
Bakery products.....	59.9	21	59.5	21	60.2	21
Sugar.....	2.9	11	3.1	10	2.9	11
Confectionery and related products.....	41.0	54	43.7	54	38.8	52
Beverages.....	21.9	11	21.5	11	22.8	11
Miscellaneous food products.....	38.7	29	37.5	28	38.3	28
TOBACCO MANUFACTURES.....	46.7	56	55.8	57	49.2	57
Cigarettes.....	15.1	45	15.7	46	15.3	45
Cigars.....	26.3	79	25.9	78	27.4	79
Tobacco and snuff.....	2.8	42	2.8	42	3.0	42
Tobacco stemming and redrying.....	2.5	28	11.4	49	3.5	33
TEXTILE-MILL PRODUCTS.....	438.2	43	441.9	43	459.5	43
Scouring and combing plants.....	1.1	17	1.2	17	1.1	16
Yarn and thread mills.....	52.3	44	53.1	44	56.0	45
Broad-woven fabric mills.....	169.5	39	174.4	39	181.8	39
Narrow fabrics and smallwares.....	16.0	55	16.1	54	16.7	55
Knitting mills.....	145.0	69	141.6	68	147.5	68
Dyeing and finishing textiles.....	19.8	22	19.9	22	20.1	21
Carpets, rugs, other floor coverings....	13.0	25	13.4	25	13.6	25
Hats (except cloth and millinery).....	4.5	41	4.6	41	4.7	39
Miscellaneous textile goods.....	17.0	29	17.6	29	18.0	29
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	948.2	79	947.0	78	940.8	79
Men's and boys' suits and coats.....	78.2	64	79.8	64	76.2	63
Men's and boys' furnishings and work clothing.....	259.0	84	255.4	84	269.5	85
Women's outerwear.....	293.5	82	298.5	81	282.4	82
Women's, children's under garments.....	107.8	87	104.4	87	106.6	88
Millinery.....	15.3	74	13.5	72	12.5	71
Children's outerwear.....	62.0	86	64.4	85	59.5	85
Fur goods.....	2.4	24	2.6	26	2.1	25
Miscellaneous apparel and accessories...	47.4	77	46.5	77	48.2	77
Other fabricated textile products.....	82.6	64	81.9	64	83.8	65

Table A-8: Women employees in manufacturing industries - Continued

Industry	April 1957		January 1957		April 1956	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)	46.5	7	46.2	7	48.6	7
Logging camps and contractors.....	1.5	2	1.7	2	1.8	2
Sawmills and planing mills.....	13.7	4	13.4	4	14.2	4
Millwork, plywood, and prefabricated structural wood products.....	9.7	8	9.7	8	10.2	8
Wooden containers.....	10.1	19	10.3	19	11.0	20
Miscellaneous wood products.....	11.5	20	11.1	19	11.4	19
FURNITURE AND FIXTURES	66.3	18	66.0	18	65.8	18
Household furniture.....	47.6	18	46.0	18	45.8	17
Office, public-building, and profes- sional furniture.....	6.0	13	6.0	13	6.0	13
Partitions, shelving, lockers, and fixtures.....	4.1	11	4.1	11	3.8	10
Screens, blinds, and miscellaneous furniture and fixtures.....	8.6	36	9.9	38	10.2	37
PAPER AND ALLIED PRODUCTS	126.2	22	127.8	22	127.2	23
Pulp, paper, and paperboard mills.....	30.7	11	31.7	11	30.2	11
Paperboard containers and boxes.....	42.1	27	43.0	27	42.7	28
Other paper and allied products.....	53.4	38	53.1	39	54.3	40
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	236.3	27	238.0	28	231.0	27
Newspapers.....	58.9	18	59.0	18	57.2	18
Periodicals.....	27.0	45	28.1	46	27.6	43
Books.....	24.8	46	24.6	45	23.9	45
Commercial printing.....	58.7	26	59.1	26	56.5	26
Lithographing.....	17.3	28	17.4	28	17.7	28
Greeting cards.....	9.9	61	10.7	63	11.2	63
Bookbinding and related industries.....	20.0	43	20.4	43	20.1	44
Miscellaneous publishing and printing services.....	19.7	26	18.7	25	16.8	24
CHEMICALS AND ALLIED PRODUCTS	147.2	18	148.5	18	146.5	18
Industrial inorganic chemicals.....	9.0	8	8.9	8	9.2	9
Industrial organic chemicals.....	44.9	14	45.9	14	43.7	14
Drugs and medicines.....	38.8	38	39.1	39	37.5	39
Soap, cleaning and polishing prepara- tions.....	10.7	21	10.7	21	11.4	23
Paints, pigments, and fillers.....	11.1	14	11.2	15	11.2	15
Gum and wood chemicals.....	.5	6	.5	6	.5	6
Fertilizers.....	2.2	5	2.0	6	2.3	5
Vegetable and animal oils and fats.....	3.0	8	3.2	8	2.9	7
Miscellaneous chemicals.....	27.0	28	27.0	28	27.8	29
PRODUCTS OF PETROLEUM AND COAL	17.5	7	17.6	7	17.0	7
Petroleum refining.....	14.0	7	14.3	7	14.0	7
Coke, other petroleum and coal products.....	3.5	7	3.3	7	3.0	6

Table A-8: Women employees in manufacturing industries - Continued

Industry	April 1957		January 1957		April 1956	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
RUBBER PRODUCTS.....	66.7	27	73.2	27	69.3	26
Tires and inner tubes.....	14.6	15	16.9	15	17.0	15
Rubber footwear.....	11.1	51	11.5	51	12.8	52
Other rubber products.....	41.0	31	44.8	32	39.5	30
LEATHER AND LEATHER PRODUCTS.....	191.2	51	191.3	51	190.9	51
Leather: tanned, curried, and finished..	5.0	12	5.2	12	5.4	12
Industrial leather belting and packing..	1.8	35	1.9	37	2.0	38
Boot and shoe cut stock and findings....	8.3	42	8.1	40	7.7	40
Footwear (except rubber).....	136.7	56	138.4	56	137.7	56
Luggage.....	7.7	46	7.3	46	7.8	47
Handbags and small leather goods.....	21.9	67	22.2	67	20.6	67
Gloves and miscellaneous leather goods..	9.8	59	8.2	56	9.7	59
STONE, CLAY, AND GLASS PRODUCTS.....	90.9	17	89.4	16	93.7	17
Flat glass.....	2.0	7	2.2	7	1.8	5
Glass and glassware, pressed or blown...	30.0	32	28.8	31	30.5	32
Glass products made of purchased glass..	4.3	26	4.4	26	4.7	26
Cement, hydraulic.....	1.1	3	1.1	3	1.1	3
Structural clay products.....	6.8	8	6.8	8	7.8	9
Pottery and related products.....	18.2	34	18.5	34	19.5	35
Concrete, gypsum, and plaster products..	7.4	6	7.1	6	7.2	6
Cut-stone and stone products.....	.7	4	.7	4	.7	4
Miscellaneous nonmetallic mineral products.....	20.4	22	19.8	22	20.4	22
PRIMARY METAL INDUSTRIES.....	75.9	6	77.7	6	76.9	6
Blast furnaces, steel works, and rolling mills.....	23.6	4	24.5	4	23.9	4
Iron and steel foundries.....	10.6	5	11.1	5	10.5	4
Primary smelting and refining of nonferrous metals.....	2.3	3	2.5	4	2.1	3
Secondary smelting and refining of nonferrous metals.....	1.1	8	1.1	8	1.1	8
Rolling, drawing, and alloying of nonferrous metals.....	10.1	9	10.0	9	10.6	9
Nonferrous foundries.....	10.5	13	11.6	14	11.2	14
Miscellaneous primary metal industries..	17.7	11	16.9	10	17.5	11
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	202.6	18	205.3	18	210.4	19
Tin cans and other tinware.....	14.1	25	13.3	25	14.5	25
Cutlery, hand tools, and hardware.....	40.4	28	43.3	28	44.2	29
Heating apparatus (except electric) and plumbers' supplies.....	13.6	12	13.6	12	15.1	12
Fabricated structural metal products...	23.3	7	22.5	7	22.5	8
Metal stamping, coating, and engraving..	50.7	22	51.2	21	52.1	22
Lighting fixtures.....	16.0	31	16.3	31	15.6	31
Fabricated wire products.....	14.0	23	14.6	22	14.9	24
Miscellaneous fabricated metal products..	30.5	22	30.5	22	31.5	23

Table A-8: Women employees in manufacturing industries - Continued

Industry	April 1957		January 1957		April 1956	
	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment	Number (in thou- sands)	Percent of total employment
MACHINERY (EXCEPT ELECTRICAL).....	242.3	14	244.4	14	241.7	14
Engines and turbines.....	11.2	13	11.2	13	10.7	14
Agricultural machinery and tractors.....	14.2	9	14.0	9	14.6	9
Construction and mining machinery.....	12.9	8	12.8	8	12.3	8
Metalworking machinery.....	34.9	12	34.3	12	34.1	12
Special-industry machinery (except metalworking machinery).....	20.2	11	21.0	11	20.7	11
General industrial machinery.....	35.9	13	35.4	13	34.4	13
Office and store machines and devices...	37.4	28	37.3	28	33.9	28
Service-industry and household machines...	27.6	14	29.2	15	32.8	15
Miscellaneous machinery parts.....	48.0	17	49.2	17	48.2	18
ELECTRICAL MACHINERY.....	464.2	38	475.3	38	465.4	39
Electrical generating, transmission, distribution, and industrial apparatus.	124.8	29	125.8	29	127.2	31
Electrical appliances.....	16.8	33	18.0	34	19.0	35
Insulated wire and cable.....	5.4	21	5.6	21	5.5	22
Electrical equipment for vehicles.....	27.6	37	29.9	38	26.7	35
Electric lamps.....	19.3	68	19.6	69	19.5	70
Communication equipment.....	253.1	45	259.8	46	249.6	46
Miscellaneous electrical products.....	17.2	35	16.6	34	17.9	36
TRANSPORTATION EQUIPMENT.....	236.7	12	241.4	12	223.7	12
Automobiles.....	82.3	10	89.9	10	88.4	11
Aircraft and parts.....	142.7	16	140.0	16	123.8	16
Ship and boat building and repairing....	5.2	4	5.0	4	4.6	4
Railroad equipment.....	4.8	7	5.1	8	5.4	8
Other transportation equipment.....	1.7	19	1.4	17	1.5	16
INSTRUMENTS AND RELATED PRODUCTS.....	117.8	34	118.5	35	117.7	35
Laboratory, scientific, and engineering instruments.....	20.1	27	19.1	26	17.3	27
Mechanical measuring and controlling instruments.....	27.6	32	28.4	32	29.0	34
Optical instruments and lenses.....	4.5	32	4.5	32	4.6	33
Surgical, medical, and dental instruments...	19.3	46	19.2	46	18.2	44
Ophthalmic goods.....	10.8	45	11.0	45	11.8	45
Photographic apparatus.....	19.5	28	19.9	29	19.0	28
Watches and clocks.....	16.0	51	16.4	51	17.8	51
MISCELLANEOUS MANUFACTURING INDUSTRIES...	183.7	38	180.7	38	189.6	39
Jewelry, silverware, and plated ware....	18.1	38	20.2	40	20.4	40
Musical instruments and parts.....	3.6	21	4.0	22	3.9	22
Toys and sporting goods.....	39.1	46	33.3	44	42.4	47
Fens, pencils, other office supplies....	15.3	49	15.3	49	15.7	50
Costume jewelry, buttons, notions.....	30.3	51	31.8	52	31.5	52
Fabricated plastics products.....	29.2	33	29.7	33	28.2	33
Other manufacturing industries.....	48.1	32	46.4	31	47.5	31

Table B-1: Monthly labor turnover rates in manufacturing

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average	Year
Total accession														
1950.....	3.6	3.2	3.6	3.5	4.4	4.8	4.7	6.6	5.7	5.2	4.0	3.0	4.4	1950
1951.....	5.2	4.5	4.6	4.5	4.5	4.9	4.2	4.5	4.3	4.4	3.9	3.0	4.4	1951
1952.....	4.4	3.9	3.9	3.7	3.9	4.9	4.4	5.9	5.6	5.2	4.0	3.3	4.4	1952
1953.....	4.4	4.2	4.4	4.3	4.1	5.1	4.1	4.3	4.0	3.3	2.7	2.1	3.9	1953
1954.....	2.8	2.5	2.8	2.4	2.7	3.5	2.9	3.3	3.4	3.6	3.3	2.5	3.0	1954
1955.....	3.3	3.2	3.6	3.5	3.8	4.3	3.4	4.5	4.4	4.1	3.3	2.5	3.7	1955
1956.....	3.3	3.1	3.1	3.3	3.4	4.2	3.3	3.8	4.1	4.2	3.0	2.2	3.4	1956
1957.....	3.2	2.8	2.8	2.8	3.0	3.8								1957
Total separation														
1950.....	3.1	3.0	2.9	2.8	3.1	3.0	2.9	4.2	4.9	4.3	3.8	3.6	3.5	1950
1951.....	4.1	3.8	4.1	4.6	4.8	4.3	4.4	5.3	5.1	4.7	4.3	3.5	4.4	1951
1952.....	4.0	3.9	3.7	4.1	3.9	3.9	5.0	4.6	4.9	4.2	3.5	3.4	4.1	1952
1953.....	3.8	3.6	4.1	4.3	4.4	4.2	4.3	4.8	5.2	4.5	4.2	4.0	4.3	1953
1954.....	4.3	3.5	3.7	3.8	3.3	3.1	3.1	3.5	3.9	3.3	3.0	3.0	3.5	1954
1955.....	2.9	2.5	3.0	3.1	3.2	3.2	3.4	4.0	4.4	3.5	3.1	3.0	3.3	1955
1956.....	3.6	3.6	3.5	3.4	3.7	3.4	3.2	3.9	4.4	3.5	3.3	2.8	3.5	1956
1957.....	3.3	3.0	3.3	3.3	3.4	2.9								1957
Quit														
1950.....	1.1	1.0	1.2	1.3	1.6	1.7	1.8	2.9	3.4	2.7	2.1	1.7	1.9	1950
1951.....	2.1	2.1	2.5	2.7	2.8	2.5	2.4	3.1	3.1	2.5	1.9	1.4	2.4	1951
1952.....	1.9	1.9	2.0	2.2	2.2	2.2	2.2	3.0	3.5	2.8	2.1	1.7	2.3	1952
1953.....	2.1	2.2	2.5	2.7	2.7	2.6	2.5	2.9	3.1	2.1	1.5	1.1	2.3	1953
1954.....	1.1	1.0	1.0	1.1	1.0	1.1	1.1	1.4	1.8	1.2	1.0	.9	1.1	1954
1955.....	1.0	1.0	1.3	1.5	1.5	1.5	1.6	2.2	2.8	1.8	1.4	1.1	1.6	1955
1956.....	1.4	1.3	1.4	1.5	1.6	1.6	1.5	2.2	2.6	1.7	1.3	1.0	1.6	1956
1957.....	1.3	1.2	1.3	1.3	1.4	1.3								1957
Discharge														
1950.....	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	1950
1951.....	.3	.3	.3	.4	.4	.4	.3	.4	.3	.4	.3	.3	.3	1951
1952.....	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.3	1952
1953.....	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.2	.4	1953
1954.....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1954
1955.....	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.3	.2	.3	1955
1956.....	.3	.3	.3	.3	.3	.3	.2	.3	.3	.3	.3	.2	.3	1956
1957.....	.2	.2	.2	.2	.3	.2								1957
Layoff														
1950.....	1.7	1.7	1.4	1.2	1.1	0.9	0.6	0.6	0.7	0.8	1.1	1.3	1.1	1950
1951.....	1.0	.8	.8	1.0	1.2	1.0	1.3	1.4	1.3	1.4	1.7	1.5	1.2	1951
1952.....	1.4	1.3	1.1	1.3	1.1	1.1	2.2	1.0	.7	.7	.7	1.0	1.1	1952
1953.....	.9	.8	.8	.9	1.0	.9	1.1	1.3	1.5	1.8	2.3	2.5	1.3	1953
1954.....	2.8	2.2	2.3	2.4	1.9	1.7	1.6	1.7	1.7	1.6	1.6	1.7	1.9	1954
1955.....	1.5	1.1	1.3	1.2	1.1	1.2	1.3	1.3	1.1	1.2	1.2	1.4	1.2	1955
1956.....	1.7	1.8	1.6	1.4	1.6	1.3	1.2	1.2	1.4	1.3	1.5	1.4	1.5	1956
1957.....	1.5	1.4	1.4	1.5	1.5	1.1								1957
Miscellaneous, including military														
1950.....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.2	1950
1951.....	.7	.6	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.5	1951
1952.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	1952
1953.....	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.3	1953
1954.....	.3	.2	.2	.2	.2	.2	.2	.3	.3	.2	.1	.2	.2	1954
1955.....	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1955
1956.....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	1956
1957.....	.3	.2	.2	.2	.3	.2								1957

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

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957
MANUFACTURING	3.8	3.0	2.9	3.4	1.3	1.4	0.2	0.3	1.1	1.5	0.2	0.3
DURABLE GOODS	3.7	2.9	3.1	3.5	1.3	1.4	.3	.3	1.3	1.6	.3	.3
NONDURABLE GOODS	3.9	3.0	2.5	3.2	1.4	1.5	.2	.2	.8	1.4	.2	.2
ORDNANCE AND ACCESSORIES	3.4	2.4	2.4	3.2	1.0	1.2	.1	.1	1.0	1.8	.3	.1
FOOD AND KINDRED PRODUCTS	5.3	4.7	2.9	3.9	1.3	1.3	.2	.3	1.2	2.1	.2	.2
Meat products.....	3.6	5.0	2.0	4.6	.8	.9	.1	.2	.8	3.2	.2	.3
Grain-mill products.....	5.1	3.1	2.8	2.8	1.0	1.0	.2	.3	1.5	1.4	.2	.1
Bakery products.....	4.7	3.9	2.9	3.2	2.0	2.0	.3	.4	.4	.7	.2	.2
Beverages:												
Malt liquors.....	(1/)	6.2	(1/)	3.8	(1/)	.5	(1/)	.2	(1/)	2.9	(1/)	.1
TOBACCO MANUFACTURES	2.0	2.1	1.5	2.2	1.1	1.3	.2	.2	.2	.5	.1	.2
Cigarettes.....	2.2	2.3	1.1	1.5	.7	.9	.2	.2	.1	.1	.1	.3
Cigars.....	1.5	1.9	2.0	3.0	1.4	1.8	.2	.3	.3	.9	(2/)	(2/)
Tobacco and snuff.....	2.5	1.5	1.4	1.9	.9	.8	.1	.1	.2	.5	.2	.4
TEXTILE-MILL PRODUCTS	3.0	2.9	3.1	3.8	1.5	1.6	.2	.3	1.2	1.7	.2	.2
Yarn and thread mills.....	3.0	3.1	2.9	3.8	1.6	1.8	.3	.3	.9	1.7	.2	.1
Broad-woven fabric mills.....	3.0	2.7	3.2	3.9	1.5	1.6	.2	.3	1.3	1.8	.2	.2
Cotton, silk, synthetic fiber.....	2.7	2.5	3.1	3.9	1.5	1.6	.2	.3	1.2	1.8	.2	.2
Woolen and worsted.....	4.5	4.0	3.5	3.7	1.4	1.5	.2	.3	1.7	1.8	.2	.1
Knitting mills.....	3.7	3.6	3.0	3.6	1.9	1.9	.2	.2	.8	1.3	.1	.2
Full-fashioned hosiery.....	1.3	1.5	2.9	4.0	1.6	2.0	.2	.2	1.0	1.7	.1	.1
Seamless hosiery.....	3.7	4.1	2.8	2.9	2.0	1.7	.2	.2	.5	.8	.1	.2
Knit underwear.....	(1/)	2.3	(1/)	3.0	(1/)	1.6	(1/)	.2	(1/)	1.0	(1/)	.1
Dyeing and finishing textiles.....	2.6	2.2	2.9	3.8	1.1	1.0	.2	.3	1.4	2.3	.2	.3
Carpets, rugs, other floor coverings... (1/)	(1/)	2.0	(1/)	4.3	(1/)	1.1	(1/)	.2	(1/)	2.7	(1/)	.4
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	4.3	3.5	3.0	4.4	2.1	2.2	.2	.2	.6	1.9	(2/)	.1
Men's and boys' suits and coats.....	6.7	3.4	1.5	5.2	1.1	1.5	.1	.2	.3	3.3	(2/)	.1
Men's and boys' furnishings and work clothing.....	4.1	3.6	3.7	3.9	2.6	2.4	.3	.2	.7	1.2	(2/)	.1
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)	6.4	5.4	3.7	4.5	2.3	2.4	.5	.4	.7	1.5	.2	.2
Logging camps and contractors.....	11.2	9.7	4.7	5.9	3.8	2.9	.7	.3	.1	2.6	.1	.1
Sawmills and planing mills.....	5.7	4.8	3.7	4.2	2.2	2.3	.4	.4	.8	1.2	.3	.2
Millwork, plywood, and prefabricated structural wood products.....	5.3	3.7	2.2	3.9	1.5	2.2	.3	.3	.3	1.2	.1	.2
FURNITURE AND FIXTURES	3.2	3.7	3.6	3.9	1.4	1.9	.3	.3	1.7	1.5	.2	.2
Household furniture.....	3.0	4.2	3.9	4.2	1.5	2.1	.3	.3	1.9	1.6	.2	.1
Other furniture and fixtures.....	3.6	2.6	2.8	3.1	1.2	1.3	.2	.3	1.2	1.3	.2	.2
PAPER AND ALLIED PRODUCTS	3.7	2.5	2.4	2.6	1.3	1.3	.3	.3	.6	.8	.2	.2
Pulp, paper, and paperboard mills.....	3.3	1.5	1.7	1.5	.8	.8	.1	.1	.6	.4	.2	.2
Paperboard containers and boxes.....	4.5	3.3	2.6	3.6	1.8	2.0	.4	.4	.3	1.0	.2	.2
CHEMICALS AND ALLIED PRODUCTS	3.4	1.5	1.4	1.7	.8	.9	.1	.1	.3	.5	.1	.2
Industrial inorganic chemicals.....	3.3	1.7	1.2	1.8	.8	.9	.1	.2	.1	.5	.1	.2
Industrial organic chemicals.....	2.9	1.0	1.2	1.4	.5	.5	.1	.1	.4	.5	.2	.3
Synthetic fibers.....	1.3	1.3	1.9	1.3	.4	.5	.1	.1	1.2	.5	.2	.2
Drugs and medicines.....	4.1	1.5	1.2	1.6	1.0	1.1	.1	.1	.1	.3	(2/)	.2
Paints, pigments, and fillers.....	2.8	1.7	1.7	1.4	1.0	.9	.3	.1	.3	.2	.1	.2

See footnotes at end of table.

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

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957
PRODUCTS OF PETROLEUM AND COAL.....	3.7	1.2	1.0	1.0	0.5	0.4	0.1	0.1	0.1	0.3	0.3	0.2
Petroleum refining.....	3.6	.9	.7	.8	.4	.3	(2/)	.1	(2/)	.3	.2	.2
RUBBER PRODUCTS.....	2.8	2.1	2.2	2.6	1.0	1.1	.2	.2	.7	1.1	.3	.2
Tires and inner tubes.....	1.8	1.4	1.6	1.4	.6	.6	.1	.1	.5	.5	.4	.2
Rubber footwear.....	2.5	3.1	2.1	3.1	1.6	1.8	.1	.2	.1	.9	.2	.2
Other rubber products.....	3.7	2.2	2.7	3.5	1.2	1.4	.2	.2	1.0	1.6	.3	.3
LEATHER AND LEATHER PRODUCTS.....	3.9	3.5	3.1	3.9	1.9	2.2	.3	.2	.5	1.1	.4	.5
Leather: tanned, curried, and finished..	2.2	3.7	1.8	2.8	.6	1.3	.2	.2	.6	1.1	.3	.3
Footwear (except rubber).....	4.2	3.5	3.3	4.1	2.1	2.4	.3	.2	.5	1.1	.4	.5
STONE, CLAY, AND GLASS PRODUCTS.....	3.3	2.5	2.7	2.9	.9	1.1	.2	.2	1.3	1.4	.3	.3
Glass and glass products.....	3.3	2.8	2.8	3.0	.7	.9	.1	.2	1.8	1.8	.2	.2
Cement, hydraulic.....	3.2	2.3	2.7	1.6	.9	.7	.2	.2	1.3	.5	.3	.2
Structural clay products.....	3.3	2.8	2.8	2.4	1.6	1.4	.3	.2	.7	.5	.1	.2
Pottery and related products.....	2.7	2.1	3.7	3.9	1.3	1.5	.1	.3	2.0	1.4	.2	.6
PRIMARY METAL INDUSTRIES.....	2.6	1.9	1.8	2.5	.7	.8	.2	.2	.7	1.2	.3	.3
Blast furnaces, steel works, and rolling mills.....	2.5	1.4	1.4	1.8	.6	.6	.1	.1	.4	.8	.3	.3
Iron and steel foundries.....	2.2	2.1	2.5	2.8	1.0	1.1	.3	.3	1.1	1.1	.2	.3
Gray-iron foundries.....	2.0	1.8	3.3	3.4	1.0	1.3	.2	.3	1.9	1.6	.1	.3
Malleable-iron foundries.....	1.9	3.0	1.9	2.9	1.1	1.3	.2	.2	.4	1.3	.2	.2
Steel foundries.....	2.5	2.0	2.0	2.2	.9	.9	.4	.5	.5	.6	.2	.2
Primary smelting and refining of nonferrous metals:												
Primary smelting and refining of copper, lead, and zinc.....	2.4	2.3	2.4	2.4	.9	1.5	.3	.3	.9	.3	.3	.2
Rolling, drawing, and alloying of nonferrous metals:												
Rolling, drawing, and alloying of copper.....	1.7	1.6	1.2	1.9	.4	.5	.2	.2	.2	.9	.4	.3
Nonferrous foundries.....	4.3	3.0	2.9	5.3	1.0	1.3	.2	.4	1.2	3.2	.4	.4
Other primary metal industries:												
Iron and steel forgings.....	3.8	1.7	2.2	2.5	.9	.9	.3	.2	.9	1.1	.1	.2
FABRICATED METAL PRODUCTS (EXCEPT ORD-NANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).....	4.1	3.1	3.3	4.0	1.2	1.4	.3	.4	1.5	2.0	.2	.3
Cutlery, hand tools, and hardware.....	2.7	2.0	2.9	4.0	1.1	1.5	.3	.3	1.2	2.0	.3	.3
Cutlery and edge tools.....	1.3	1.2	3.5	4.6	.9	1.6	.2	.3	2.1	2.4	.3	.3
Hand tools.....	2.7	2.0	2.0	3.5	.9	1.4	.3	.1	.5	1.8	.3	.2
Hardware.....	3.0	2.1	3.1	4.1	1.2	1.5	.3	.4	1.3	1.9	.3	.3
Heating apparatus (except electric) and plumbers' supplies.....	2.6	2.8	2.8	3.7	1.1	1.3	.3	.4	1.1	1.8	.2	.3
Sanitary ware and plumbers' supplies...	1.7	1.9	2.1	3.0	.9	.9	.3	.2	.8	1.6	.2	.3
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	3.1	3.3	3.1	4.2	1.3	1.6	.3	.5	1.3	1.9	.2	.2
Fabricated structural metal products....	4.6	3.4	2.9	3.2	1.4	1.5	.4	.4	.9	1.2	.2	.2
Metal stamping, coating, and engraving..	4.2	3.3	4.8	5.1	1.1	1.3	.3	.4	3.1	3.1	.3	.4

See footnotes at end of table.

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

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957
MACHINERY (EXCEPT ELECTRICAL).....	2.8	1.9	2.9	3.3	1.0	1.1	0.2	0.2	1.4	1.7	0.2	0.3
Engines and turbines.....	2.3	1.3	4.2	3.1	1.0	1.0	.2	.2	2.7	1.7	.3	.3
Agricultural machinery and tractors.....	(1/)	1.8	(1/)	5.3	(1/)	1.1	(1/)	.3	(1/)	3.3	(1/)	.6
Construction and mining machinery.....	3.1	1.8	4.0	3.1	1.4	1.3	.4	.3	2.1	1.3	.2	.2
Metalworking machinery.....	2.2	1.4	2.0	2.3	1.0	1.0	.2	.2	.6	.8	.2	.2
Machine tools.....	1.8	1.0	1.9	2.5	.9	.9	.2	.2	.5	1.1	.3	.3
Metalworking machinery (except machine tools).....	2.3	1.5	1.9	1.9	1.0	.9	.2	.3	.6	.5	.1	.2
Machine-tool accessories.....	2.8	2.1	2.4	2.2	1.2	1.1	.3	.3	.6	.5	.3	.2
Special-industry machinery (except metalworking machinery).....	2.5	1.8	2.1	2.7	1.0	1.1	.2	.3	.7	1.0	.2	.3
General industrial machinery.....	3.1	2.2	2.4	2.6	1.1	1.2	.3	.3	.9	.9	.2	.2
Office and store machines and devices....	2.9	2.4	1.8	3.1	1.0	1.4	.2	.3	.5	1.2	.1	.2
Service-industry and household machines..	4.0	2.1	5.1	5.8	.9	1.0	.1	.1	3.9	4.3	.2	.3
Miscellaneous machinery parts.....	2.5	1.9	2.1	2.9	1.0	1.1	.2	.2	.7	1.4	.2	.3
ELECTRICAL MACHINERY.....	3.6	2.8	3.0	3.0	1.4	1.5	.2	.2	1.1	1.0	.3	.2
Electrical generating, transmission, distribution, and industrial apparatus..	2.6	1.8	2.6	2.8	1.1	1.3	.1	.2	1.1	1.1	.2	.2
Communication equipment.....	(1/)	3.6	(1/)	2.8	(1/)	1.7	(1/)	.3	(1/)	.6	(1/)	.2
Radios, phonographs, television sets, and equipment.....	5.4	5.0	3.3	3.2	1.8	1.8	.4	.3	.6	.9	.5	.2
Telephone, telegraph, and related equipment.....	(1/)	1.3	(1/)	1.9	(1/)	1.2	(1/)	.2	(1/)	.2	(1/)	.3
Electrical appliances, lamps, and miscellaneous products.....	4.1	2.9	3.9	3.5	1.1	1.3	.3	.2	2.2	1.7	.2	.4
TRANSPORTATION EQUIPMENT.....	4.1	3.6	3.7	4.2	1.3	1.5	.3	.3	1.6	2.0	.5	.4
Automobiles.....	3.5	3.0	4.3	4.6	.8	.9	.2	.2	2.4	2.8	.9	.7
Aircraft and parts.....	3.5	2.6	2.5	3.0	1.7	1.8	.2	.2	.5	.8	.2	.2
Aircraft.....	3.8	2.7	2.5	2.9	1.7	2.0	.2	.2	.4	.5	.1	.2
Aircraft engines and parts.....	1.6	1.7	2.2	2.8	1.1	1.2	.1	.2	.8	1.1	.3	.2
Aircraft propellers and parts.....	(1/)	2.8	(1/)	2.4	(1/)	1.4	(1/)	.3	(1/)	.5	(1/)	.2
Other aircraft, parts and equipment.....	3.9	4.3	3.5	4.8	1.9	2.2	.6	.6	.9	1.8	.1	.2
Ship and boat building and repairing.....	(1/)	11.8	(1/)	10.3	(1/)	3.2	(1/)	.7	(1/)	6.1	(1/)	.3
Railroad equipment.....	(1/)	5.7	(1/)	2.4	(1/)	.9	(1/)	.4	(1/)	.7	(1/)	.4
Locomotives and parts.....	(1/)	2.4	(1/)	1.7	(1/)	.5	(1/)	.1	(1/)	.3	(1/)	.9
Railroad and street cars.....	3.1	7.4	2.9	2.8	1.0	1.1	.9	.6	.8	1.0	.2	.1
Other transportation equipment.....	4.8	6.0	2.3	3.2	1.4	2.3	.8	.3	.1	.4	.1	.2
INSTRUMENTS AND RELATED PRODUCTS.....	(1/)	2.0	(1/)	2.4	(1/)	1.1	(1/)	.3	(1/)	.8	(1/)	.2
Photographic apparatus.....	(1/)	.9	(1/)	1.3	(1/)	.7	(1/)	.1	(1/)	.4	(1/)	.2
Watches and clocks.....	2.8	3.3	2.7	4.6	1.4	1.3	.1	.3	.9	2.9	.4	.2
Professional and scientific instruments..	3.7	2.1	2.4	2.3	1.2	1.2	.2	.3	.9	.7	.2	.1
MISCELLANEOUS MANUFACTURING INDUSTRIES....	5.1	4.1	3.9	4.5	1.8	1.9	.3	.4	1.5	2.1	.2	.2
Jewelry, silverware, and plated ware....	2.4	1.6	1.6	2.8	1.0	1.2	.1	.2	.2	1.1	.2	.3

See footnotes at end of table.

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

(Per 100 employees)

Industry	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957	June 1957	May 1957
NONMANUFACTURING:												
METAL MINING.....	2.6	2.8	2.7	4.1	1.7	3.0	0.2	0.3	0.5	0.4	0.3	0.3
Iron mining.....	1.5	.6	1.3	1.2	.4	.4	(2/)	(2/)	.6	.5	.4	.3
Copper mining.....	2.3	2.5	4.4	5.2	3.5	4.1	.4	.4	.1	.2	.4	.4
Lead and zinc mining.....	3.1	2.3	3.1	3.5	2.0	2.2	.2	.2	.8	.7	.2	.2
ANTHRACITE MINING.....	1.1	1.1	12.0	1.3	.4	.7	(2/)	(2/)	11.4	.4	.2	.1
BITUMINOUS-COAL MINING.....	.9	.8	1.5	1.4	.4	.4	(2/)	(2/)	.9	.8	.1	.1
COMMUNICATION:												
Telephone.....	(1/)	1.7	(1/)	1.6	(1/)	1.4	(1/)	.1	(1/)	.1	(1/)	.1
Telegraph ^{3/}	(1/)	1.5	(1/)	1.9	(1/)	1.2	(1/)	.1	(1/)	.4	(1/)	.3

1/ Not available.

2/ Less than 0.05.

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

Table B-3: Monthly labor turnover rates in manufacturing for selected States and areas

(Per 100 employees)

State and area	Total accession rate		Separation rate									
			Total		Quit		Discharge		Layoff		Misc., incl. military	
	May 1957	Apr. 1957	May 1957	Apr. 1957	May 1957	Apr. 1957	May 1957	Apr. 1957	May 1957	Apr. 1957	May 1957	Apr. 1957
CONNECTICUT.....	2.8	2.7	3.3	3.1	1.6	1.5	0.2	0.2	1.3	1.2	0.2	0.2
Bridgeport.....	2.4	2.2	3.5	2.4	1.5	1.3	.3	.2	1.5	.7	.2	.2
Hartford.....	2.5	2.7	2.9	2.4	1.7	1.5	.4	.3	.6	.4	.2	.2
New Britain.....	2.9	2.7	2.8	2.8	1.9	1.6	.2	.1	.4	.8	.3	.3
New Haven.....	3.1	3.4	3.0	3.3	1.9	1.9	.3	.3	.7	1.0	.1	.1
Waterbury.....	2.9	2.1	2.7	2.5	1.1	1.0	.2	.1	1.1	1.2	.3	.2
DELAWARE:												
Wilmington.....	3.0	2.7	2.4	2.2	1.2	.8	.2	.2	.8	1.0	.2	.1
INDIANA ^{1/}	2.9	2.7	3.5	3.6	1.3	1.2	.2	.2	1.7	1.8	.3	.4
KANSAS ^{2/}	3.6	3.0	3.2	3.6	1.8	1.6	.2	.3	1.1	1.5	.1	.2
Wichita ^{3/}	3.8	3.6	3.3	3.1	2.4	2.0	.3	.4	.5	.4	.2	.3
KENTUCKY.....	3.0	3.6	3.1	3.9	1.3	1.4	.3	.3	1.3	2.0	.2	.2
MARYLAND.....	3.5	3.4	4.0	3.6	1.6	1.4	.3	.3	1.9	1.7	.1	.1
Baltimore.....	3.1	3.2	3.9	3.7	1.6	1.5	.3	.4	1.9	1.7	.1	.1
MISSOURI.....	3.5	3.4	3.9	3.5	1.5	1.4	.3	.3	1.8	1.6	.3	.2
NEW YORK.....	(4/)	3.1	(4/)	4.3	(4/)	1.3	(4/)	.3	(4/)	2.5	(4/)	.2
Binghamton.....	(4/)	2.1	(4/)	1.6	(4/)	1.1	(4/)	.1	(4/)	.1	(4/)	.2
Nassau and Suffolk Counties.....	(4/)	3.0	(4/)	2.9	(4/)	1.5	(4/)	.3	(4/)	1.0	(4/)	.1
New York City.....	(4/)	3.9	(4/)	6.3	(4/)	1.4	(4/)	.5	(4/)	4.2	(4/)	.2
Westchester County.....	(4/)	2.8	(4/)	3.0	(4/)	1.4	(4/)	.4	(4/)	1.0	(4/)	.1

^{1/} Excludes canning and preserving.

^{2/} Excludes instruments and related products.

^{3/} Excludes paper and allied products, products of petroleum and coal, and instruments and related products.

^{4/} Not available.

NOTE: May 1957 data are preliminary.

**Table B-4: Monthly labor turnover rates of men and women
in selected manufacturing industry groups ^{1/}**

Industry group	April 1957 ^{1/}					
	Men (rate per 100 men)			Women (rate per 100 women)		
	Total accession	Separation Total Quit		Total accession	Separation Total Quit	
MANUFACTURING.....	2.7	3.1	1.2	3.3	3.9	1.7
DURABLE GOODS.....	2.9	3.2	1.2	3.6	3.9	1.6
Ordnance and accessories.....	2.8	2.6	1.0	3.8	2.6	1.2
Lumber and wood products (except furniture)...	5.7	4.3	2.5	3.3	3.2	1.6
Furniture and fixtures.....	3.4	3.8	1.6	4.1	3.3	1.5
Stone, clay, and glass products.....	2.3	2.3	.9	3.2	3.4	1.4
Primary metal industries.....	1.7	2.8	.7	2.3	2.8	1.2
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	3.3	3.8	1.4	3.1	4.4	1.4
Machinery (except electrical).....	1.9	2.7	1.1	2.6	3.3	1.6
Electrical machinery.....	2.2	2.7	1.2	3.7	4.3	1.8
Transportation equipment.....	3.5	3.7	1.2	3.4	3.4	1.5
Instruments and related products.....	1.8	1.7	.9	2.9	3.0	1.5
Miscellaneous manufacturing industries.....	4.0	3.3	1.6	6.2	5.3	2.0
NONDURABLE GOODS.....	2.2	2.8	1.1	3.0	3.9	1.8
Food and kindred products.....	3.3	3.4	1.0	4.4	5.0	1.5
Tobacco manufactures.....	2.7	1.6	.8	2.4	2.4	1.3
Textile-mill products.....	2.6	4.0	1.5	3.0	3.8	1.5
Apparel and other finished textile products...	2.5	3.5	1.5	2.7	3.7	2.2
Paper and allied products.....	1.9	2.3	1.1	3.2	3.8	1.8
Chemicals and allied products.....	1.1	1.3	.6	2.4	2.5	1.3
Products of petroleum and coal.....	1.1	1.5	.3	1.9	2.0	1.2
Rubber products.....	1.6	2.5	1.0	3.0	4.1	1.7
Leather and leather products.....	3.0	4.0	2.2	3.2	5.0	2.5

^{1/} These figures are based on a slightly smaller sample than those in tables B-1 and B-2, inasmuch as some firms do not report separate data for women.

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
MINING:									
METAL MINING.....	\$98.16	\$97.58	\$97.13	40.9	41.0	42.6	\$2.40	\$2.38	\$2.28
Iron mining.....	100.23	99.58	98.23	39.0	38.9	41.1	2.57	2.56	2.39
Copper mining.....	99.30	99.17	100.32	41.9	42.2	44.0	2.37	2.35	2.28
Lead and zinc mining.....	88.97	90.03	88.17	41.0	41.3	41.2	2.17	2.18	2.14
ANTHRACITE.....	100.55	88.70	88.63	34.2	30.8	33.7	2.94	2.88	2.63
BITUMINOUS-COAL.....	112.18	107.76	107.82	36.9	35.8	38.1	3.04	3.01	2.83
CRUDE-PETROLEUM AND NATURAL-GAS PRODUCTION:									
Petroleum and natural-gas production (except contract services)*.....	109.98	104.23	99.60	41.5	40.4	40.0	2.65	2.58	2.49
NONMETALLIC MINING AND QUARRYING.....	89.80	87.71	88.59	44.9	44.3	45.9	2.00	1.98	1.93
CONTRACT CONSTRUCTION.....									
NONBUILDING CONSTRUCTION.....	106.90	103.88	104.66	40.8	39.8	42.2	2.62	2.61	2.48
Highway and street.....	101.33	96.64	102.49	41.7	40.1	43.8	2.43	2.41	2.34
Other nonbuilding construction.....	111.60	109.93	106.75	40.0	39.4	40.9	2.79	2.79	2.61
BUILDING CONSTRUCTION.....	109.15	107.02	103.42	37.0	36.4	37.2	2.95	2.94	2.78
GENERAL CONTRACTORS.....	101.02	99.00	96.42	36.6	36.0	36.8	2.76	2.75	2.62
SPECIAL-TRADE CONTRACTORS.....	114.58	112.61	108.75	37.2	36.8	37.5	3.08	3.06	2.90
Plumbing and heating.....	119.04	117.73	113.00	38.4	38.1	38.7	3.10	3.09	2.92
Painting and decorating.....	105.85	104.14	101.24	35.4	35.3	35.9	2.99	2.95	2.82
Electrical work.....	133.33	131.66	124.66	39.8	39.3	39.7	3.35	3.35	3.14
Other special-trade contractors.....	109.20	107.04	104.80	36.4	35.8	36.9	3.00	2.99	2.84
MANUFACTURING.....									
DURABLE GOODS.....	88.91	87.85	85.27	40.6	40.3	40.8	2.19	2.18	2.09
NONDURABLE GOODS.....	74.09	73.13	70.95	39.2	38.9	39.2	1.89	1.88	1.81
ORDNANCE AND ACCESSORIES.....	94.60	94.02	91.52	40.6	40.7	41.6	2.33	2.31	2.20
FOOD AND KINDRED PRODUCTS.....	79.13	78.38	75.21	41.0	40.4	41.1	1.93	1.94	1.83
Meat products.....	87.13	86.28	83.20	41.1	40.7	41.6	2.12	2.12	2.00
Meat packing, wholesale.....	95.87	95.17	90.07	41.5	41.2	41.7	2.31	2.31	2.16
Sausages and casings.....	90.71	88.97	88.37	41.8	41.0	42.9	2.17	2.17	2.06
Dairy products.....	78.69	77.53	76.04	43.0	42.6	43.7	1.83	1.82	1.74
Condensed and evaporated milk.....	79.92	79.24	78.82	43.2	43.3	45.3	1.85	1.83	1.74
Ice cream and ices.....	83.50	82.60	78.87	42.6	42.8	43.1	1.96	1.93	1.83
Canning and preserving.....	61.88	62.75	59.91	38.2	37.8	38.9	1.62	1.66	1.54
Sea food, canned and cured.....	50.54	53.80	49.59	32.4	31.1	32.2	1.56	1.73	1.54
Canned fruits, vegetables, and soups..	64.80	66.64	62.88	38.8	39.2	39.8	1.67	1.70	1.58
Grain-mill products.....	83.66	83.61	80.22	43.8	43.1	43.6	1.91	1.94	1.84
Flour and other grain-mill products...	86.17	85.50	82.40	43.3	43.4	43.6	1.99	1.97	1.89
Prepared feeds.....	79.66	79.17	77.33	44.5	43.5	44.7	1.79	1.82	1.73
Bakery products.....	76.89	75.55	74.03	40.9	40.4	40.9	1.88	1.87	1.81
Bread and other bakery products.....	78.53	77.55	76.04	40.9	40.6	41.1	1.92	1.91	1.85
Biscuits, crackers, and pretzels.....	70.69	67.72	65.84	41.1	39.6	39.9	1.72	1.71	1.65

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
FOOD AND KINDRED PRODUCTS - Continued									
Sugar.....	\$92.66	\$83.62	\$80.12	43.3	40.2	41.3	\$2.14	\$2.08	\$1.94
Cane-sugar refining.....	102.38	91.10	87.35	45.1	41.6	42.2	2.27	2.19	2.07
Beet sugar.....	81.40	74.40	76.33	40.1	37.2	40.6	2.03	2.00	1.88
Confectionery and related products.....	66.26	63.57	61.86	40.4	39.0	39.4	1.64	1.63	1.57
Confectionery.....	64.32	61.15	60.13	40.2	38.7	39.3	1.60	1.58	1.53
Beverages.....	91.80	88.62	87.10	40.8	40.1	40.7	2.25	2.21	2.14
Bottled soft drinks.....	72.41	67.23	66.14	43.1	41.5	41.6	1.68	1.62	1.59
Malt liquors.....	111.48	108.13	106.34	40.1	39.9	40.9	2.78	2.71	2.60
Distilled, rectified, and blended liquors.....	84.20	83.54	79.66	38.1	37.8	38.3	2.21	2.21	2.08
Miscellaneous food products.....	76.18	74.30	72.45	41.4	40.6	41.4	1.84	1.83	1.75
Corn sirup, sugar, oil, and starch.....	90.25	88.80	85.49	41.4	41.3	41.7	2.18	2.15	2.05
Manufactured ice.....	71.28	72.90	71.84	44.0	45.0	44.9	1.62	1.62	1.60
TOBACCO MANUFACTURES.....	61.85	61.78	59.58	38.9	39.1	39.2	1.59	1.58	1.52
Cigarettes.....	76.14	77.19	73.81	40.5	41.5	41.7	1.88	1.86	1.77
Cigars.....	50.03	48.86	47.74	37.9	37.3	37.3	1.32	1.31	1.28
Tobacco and snuff.....	60.47	59.98	56.52	37.1	36.8	36.7	1.63	1.63	1.54
Tobacco stemming and redrying.....	54.38	56.36	53.18	37.5	38.6	39.1	1.45	1.46	1.36
TEXTILE-MILL PRODUCTS.....	58.20	57.60	55.87	38.8	38.4	38.8	1.50	1.50	1.44
Scouring and combing plants.....	67.94	65.92	66.17	42.2	41.2	41.1	1.61	1.60	1.61
Yarn and thread mills.....	52.85	52.68	50.41	38.3	37.9	37.9	1.38	1.39	1.33
Yarn mills.....	53.24	52.54	50.41	38.3	37.8	37.9	1.39	1.39	1.33
Thread mills.....	54.46	54.88	52.13	38.9	39.2	38.9	1.40	1.40	1.34
Broad-woven fabric mills.....	56.41	55.97	53.96	38.9	38.6	39.1	1.45	1.45	1.38
Cotton, silk, synthetic fiber.....	54.91	54.10	52.11	38.4	38.1	38.6	1.43	1.42	1.35
North.....	59.67	57.61	56.92	39.0	37.9	38.2	1.53	1.52	1.49
South.....	54.00	53.72	51.08	38.3	38.1	38.7	1.41	1.41	1.32
Woolen and worsted.....	67.20	66.72	66.36	42.0	41.7	42.0	1.60	1.60	1.58
Narrow fabrics and smallwares.....	61.41	60.10	58.25	40.4	39.8	39.9	1.52	1.51	1.46
Knitting mills.....	54.46	53.73	53.25	37.3	36.8	37.5	1.46	1.46	1.42
Full-fashioned hosiery.....	54.56	55.80	57.13	35.2	36.0	37.1	1.55	1.55	1.54
North.....	58.06	57.60	57.91	37.7	37.4	38.1	1.54	1.54	1.52
South.....	53.35	55.22	56.89	34.2	35.4	36.7	1.56	1.56	1.55
Seamless hosiery.....	49.08	47.88	45.57	36.9	36.0	35.6	1.33	1.33	1.28
North.....	51.05	51.17	49.79	38.1	37.9	38.3	1.34	1.35	1.30
South.....	48.81	47.48	45.06	36.7	35.7	35.2	1.33	1.33	1.28
Knit outerwear.....	58.22	57.00	56.21	38.3	37.5	38.5	1.52	1.52	1.46
Knit underwear.....	51.00	50.05	49.91	37.5	36.8	38.1	1.36	1.36	1.31
Dyeing and finishing textiles.....	68.89	66.83	64.78	41.5	40.5	41.0	1.66	1.65	1.58
Dyeing and finishing textiles (except wool).....	68.31	66.09	64.21	41.4	40.3	40.9	1.65	1.64	1.57
Carpets, rugs, other floor coverings.....	72.29	73.05	67.06	39.5	39.7	38.1	1.83	1.84	1.76
Wool carpets, rugs, and carpet yarn.....	68.76	71.16	67.97	38.2	39.1	38.4	1.80	1.82	1.77
Hats (except cloth and millinery).....	59.24	58.48	60.09	35.9	36.1	36.2	1.65	1.62	1.66
Miscellaneous textile goods.....	69.55	67.15	64.87	40.2	39.5	39.8	1.73	1.70	1.63
Felt goods (except woven felts and hats).....	74.24	71.23	68.08	39.7	38.5	38.9	1.87	1.85	1.75
Lace goods.....	68.80	67.13	66.05	37.8	37.5	38.4	1.82	1.79	1.72
Paddings and upholstery filling.....	69.95	69.49	66.53	40.2	40.4	39.6	1.74	1.72	1.68
Processed waste and recovered fibers.....	58.80	57.26	54.13	41.7	40.9	40.7	1.41	1.40	1.33
Artificial leather, oilcloth, and other coated fabrics.....	93.28	86.53	82.26	44.0	41.8	42.4	2.12	2.07	1.94
Cordage and twine.....	57.68	57.15	56.26	38.2	38.1	38.8	1.51	1.50	1.45

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
	APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.....	\$53.34	\$52.98	\$51.48	35.8	35.8	35.5	\$1.49	\$1.48
Men's and boys' suits and coats.....	64.26	63.37	63.18	35.9	35.8	36.1	1.79	1.77	1.75
Men's and boys' furnishings and work clothing.....	45.99	45.97	44.76	36.5	36.2	36.1	1.26	1.27	1.24
Shirts, collars, and nightwear.....	45.34	45.57	44.39	35.7	35.6	35.8	1.27	1.28	1.24
Separate trousers.....	47.19	46.80	47.10	36.3	36.0	36.8	1.30	1.30	1.28
Work shirts**.....	42.32	42.34	39.93	36.8	36.5	36.3	1.15	1.16	1.10
Women's outerwear.....	55.58	57.35	54.24	34.1	35.4	33.9	1.63	1.62	1.60
Women's dresses.....	53.09	58.03	51.46	33.6	35.6	33.2	1.58	1.63	1.55
Household apparel.....	45.37	47.97	43.72	34.9	36.9	34.7	1.30	1.30	1.26
Women's suits, coats, and skirts.....	66.46	63.70	66.92	32.9	32.5	33.8	2.02	1.96	1.98
Women's, children's under garments.....	48.11	47.57	46.24	35.9	35.5	35.3	1.34	1.34	1.31
Underwear and nightwear, except corsets.	46.08	45.70	43.75	36.0	35.7	35.0	1.28	1.28	1.25
Corsets and allied garments.....	52.27	51.74	51.55	35.8	35.2	35.8	1.46	1.47	1.44
Millinery.....	54.78	51.15	53.94	33.2	31.0	32.3	1.65	1.65	1.67
Children's outerwear.....	51.75	49.41	48.71	37.5	36.6	36.9	1.38	1.35	1.32
Miscellaneous apparel and accessories....	49.49	48.16	48.68	35.1	34.4	36.6	1.41	1.40	1.33
Other fabricated textile products.....	56.93	55.73	52.17	37.7	37.4	37.0	1.51	1.49	1.41
Curtains, draperies, and other house-furnishings.....	48.18	46.64	45.44	36.5	35.6	35.5	1.32	1.31	1.28
Textile bags.....	59.70	57.30	56.60	39.8	38.2	38.5	1.50	1.50	1.47
Canvas products.....	58.36	58.69	57.20	39.7	40.2	40.0	1.47	1.46	1.43
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE).....	75.30	73.16	73.31	40.7	40.2	40.5	1.85	1.82	1.81
Sawmills and planing mills.....	73.38	72.00	74.62	40.1	40.0	41.0	1.83	1.80	1.82
Sawmills and planing mills, general....	74.77	73.20	76.04	40.2	40.0	41.1	1.86	1.83	1.85
South.....	49.61	50.26	49.68	41.0	41.2	41.4	1.21	1.22	1.20
West.....	91.89	90.25	95.99	39.1	38.9	40.5	2.35	2.32	2.37
Millwork, plywood, and prefabricated structural wood products.....	77.90	76.73	75.26	41.0	40.6	40.9	1.90	1.89	1.84
Millwork.....	77.64	75.33	74.75	41.3	40.5	41.3	1.88	1.86	1.81
Plywood.....	78.34	78.31	75.52	40.8	41.0	40.6	1.92	1.91	1.86
Wooden containers.....	57.08	57.08	57.53	40.2	40.2	40.8	1.42	1.42	1.41
Wooden boxes, other than cigar.....	57.49	56.96	57.26	40.2	40.4	40.9	1.43	1.41	1.40
Miscellaneous wood products.....	63.45	61.86	60.30	41.2	40.7	41.3	1.54	1.52	1.46
FURNITURE AND FIXTURES.....	69.08	67.82	68.11	39.7	39.2	40.3	1.74	1.73	1.69
Household furniture.....	65.74	64.02	64.08	39.6	38.8	39.8	1.66	1.65	1.61
Wood household furniture, except upholstered.....	59.05	58.61	57.63	39.9	39.6	40.3	1.48	1.48	1.43
Wood household furniture, upholstered...	71.19	67.51	68.74	38.9	37.3	38.4	1.83	1.81	1.79
Mattresses and bedsprings.....	76.78	72.37	72.62	40.2	38.7	39.9	1.91	1.87	1.82
Office, public-building, and professional furniture.....	76.63	77.79	78.96	39.5	40.1	42.0	1.94	1.94	1.88
Wood office furniture.....	64.94	63.04	71.28	41.1	39.9	43.2	1.58	1.58	1.65
Metal office furniture.....	80.04	84.07	86.32	37.4	39.1	41.7	2.14	2.15	2.07
Partitions, shelving, lockers, and fixtures.....	86.05	85.24	85.28	40.4	40.4	41.6	2.13	2.11	2.05
Screens, blinds, and miscellaneous furniture and fixtures.....	68.00	67.26	66.02	40.0	39.8	40.5	1.70	1.69	1.63

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
PAPER AND ALLIED PRODUCTS.....	\$85.46	\$84.42	\$82.41	42.1	42.0	42.7	\$2.03	\$2.01	\$1.93
Pulp, paper, and paperboard mills.....	93.53	92.23	90.61	43.1	43.3	44.2	2.17	2.13	2.05
Paperboard containers and boxes.....	79.49	77.74	74.98	41.4	40.7	41.2	1.92	1.91	1.82
Paperboard boxes.....	79.27	77.11	74.75	41.5	40.8	41.3	1.91	1.89	1.81
Fiber cans, tubes, and drums.....	81.61	81.80	77.97	40.2	39.9	40.4	2.03	2.05	1.93
Other paper and allied products.....	75.67	74.89	72.57	40.9	40.7	41.0	1.85	1.84	1.77
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.....	96.13	96.38	93.80	38.3	38.4	38.6	2.51	2.51	2.43
Newspapers.....	102.67	103.25	101.00	35.9	36.1	36.2	2.86	2.86	2.79
Periodicals.....	97.57	96.47	96.80	39.5	38.9	40.0	2.47	2.48	2.42
Books.....	83.95	85.84	84.45	39.6	40.3	40.6	2.12	2.13	2.08
Commercial printing.....	95.04	94.49	91.25	39.6	39.7	39.5	2.40	2.38	2.31
Lithographing.....	97.42	96.53	94.80	39.6	39.4	40.0	2.46	2.45	2.37
Greeting cards.....	62.87	65.45	60.48	38.1	38.5	37.8	1.65	1.70	1.60
Bookbinding and related industries.....	74.07	73.13	71.16	39.4	38.9	39.1	1.88	1.88	1.82
Miscellaneous publishing and printing services.....	108.87	110.88	108.03	38.2	38.5	39.0	2.85	2.88	2.77
CHEMICALS AND ALLIED PRODUCTS.....	91.88	90.64	87.77	41.2	41.2	41.4	2.23	2.20	2.12
Industrial inorganic chemicals.....	99.39	98.33	94.71	40.9	40.8	41.0	2.43	2.41	2.31
Alkalies and chlorine.....	96.32	95.41	92.84	40.3	40.6	40.9	2.39	2.35	2.27
Industrial organic chemicals.....	97.82	96.35	93.98	41.1	41.0	41.4	2.38	2.35	2.27
Plastics, except synthetic rubber.....	99.42	98.41	95.02	41.6	41.7	42.8	2.39	2.36	2.22
Synthetic rubber.....	107.01	105.93	103.41	41.0	40.9	41.2	2.61	2.59	2.51
Synthetic fibers.....	83.03	81.61	80.40	40.5	40.4	40.4	2.05	2.02	1.99
Explosives.....	93.94	94.89	87.74	41.2	41.8	41.0	2.28	2.27	2.14
Drugs and medicines.....	82.62	82.01	78.34	40.7	40.4	40.8	2.03	2.03	1.92
Soap, cleaning and polishing preparations.....	96.00	94.19	92.16	41.2	40.6	41.7	2.33	2.32	2.21
Soap and glycerin.....	105.06	102.97	100.43	41.2	40.7	41.5	2.55	2.53	2.42
Paints, pigments, and fillers.....	90.69	88.75	85.70	41.6	40.9	41.6	2.18	2.17	2.06
Paints, varnishes, lacquers, and enamels.....	88.61	86.92	83.21	41.6	41.0	41.4	2.13	2.12	2.01
Gum and wood chemicals.....	77.04	79.49	77.51	42.1	43.2	43.3	1.83	1.84	1.79
Fertilizers.....	70.72	75.04	70.13	41.6	44.4	42.5	1.70	1.69	1.65
Vegetable and animal oils and fats.....	80.78	78.55	76.65	43.9	43.4	43.8	1.84	1.81	1.75
Vegetable oils.....	73.53	71.05	69.37	43.0	42.8	42.3	1.71	1.66	1.64
Animal oils and fats.....	89.35	87.96	85.27	44.9	44.2	45.6	1.99	1.99	1.87
Miscellaneous chemicals.....	83.82	83.22	79.58	40.3	40.4	40.6	2.08	2.06	1.96
Essential oils, perfumes, cosmetics.....	70.02	68.64	64.39	38.9	39.0	38.1	1.80	1.76	1.69
Compressed and liquified gases.....	96.37	94.81	90.95	41.9	41.4	42.5	2.30	2.29	2.14
PRODUCTS OF PETROLEUM AND COAL.....	109.06	106.75	104.81	41.0	40.9	41.1	2.66	2.61	2.55
Petroleum refining.....	113.57	110.84	108.67	41.0	40.9	40.7	2.77	2.71	2.67
Coke, other petroleum and coal products..	94.12	93.02	92.00	41.1	40.8	42.2	2.29	2.28	2.18
RUBBER PRODUCTS.....	91.21	88.80	84.74	40.9	40.0	39.6	2.23	2.22	2.14
Tires and inner tubes.....	106.81	103.46	98.25	41.4	40.1	39.3	2.58	2.58	2.50
Rubber footwear.....	72.10	71.92	70.53	39.4	39.3	39.4	1.83	1.83	1.79
Other rubber products.....	81.81	79.80	76.02	40.7	40.1	39.8	2.01	1.99	1.91
LEATHER AND LEATHER PRODUCTS.....	58.21	55.90	55.95	37.8	36.3	37.3	1.54	1.54	1.50
Leather: tanned, curried, and finished...	77.81	75.27	73.87	39.9	39.0	39.5	1.95	1.93	1.87
Industrial leather belting and packing...	74.77	74.34	70.71	40.2	40.4	39.5	1.86	1.84	1.79
Boot and shoe cut stock and findings....	57.72	54.68	54.58	39.0	37.2	37.9	1.48	1.47	1.44
Footwear (except rubber).....	55.73	53.04	53.22	37.4	35.6	36.7	1.49	1.49	1.45

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
LEATHER AND LEATHER PRODUCTS - Continued									
Luggage.....	\$63.34	\$61.56	\$62.17	39.1	38.0	39.6	\$1.62	\$1.62	\$1.57
Handbags and small leather goods.....	52.11	51.05	50.73	36.7	35.7	37.3	1.42	1.43	1.36
Gloves and miscellaneous leather goods...	50.01	49.46	48.10	36.5	36.1	37.0	1.37	1.37	1.30
STONE, CLAY, AND GLASS PRODUCTS.....									
Flat glass.....	83.44	82.42	81.14	40.9	40.8	41.4	2.04	2.02	1.96
Glass and glassware, pressed or blown....	107.96	110.95	110.16	39.4	40.2	40.8	2.74	2.76	2.70
Glass containers.....	84.42	84.44	80.40	40.2	40.4	40.0	2.10	2.09	2.01
Pressed and blown glass.....	86.05	86.09	82.82	40.4	40.8	40.4	2.13	2.11	2.05
Glass products made of purchased glass...	81.40	81.39	76.44	39.9	39.7	39.4	2.04	2.05	1.94
Cement, hydraulic.....	68.64	67.55	67.80	39.0	38.6	40.6	1.76	1.75	1.67
Structural clay products.....	86.72	84.66	85.49	41.1	40.7	41.1	2.11	2.08	2.08
Brick and hollow tile.....	75.92	74.59	74.16	40.6	40.1	41.2	1.87	1.86	1.80
Floor and wall tile.....	71.80	69.87	71.40	41.5	41.1	42.5	1.73	1.70	1.68
Sewer pipe.....	77.39	75.81	72.80	40.1	39.9	40.0	1.93	1.90	1.82
Clay refractories.....	73.88	74.64	75.48	39.3	39.7	40.8	1.88	1.88	1.85
Pottery and related products.....	83.10	83.07	80.19	39.2	39.0	39.5	2.12	2.13	2.03
Concrete, gypsum, and plaster products...	71.71	73.11	71.81	36.4	37.3	37.4	1.97	1.96	1.92
Concrete products.....	85.11	83.28	84.63	44.1	43.6	45.5	1.93	1.91	1.86
Cut-stone and stone products.....	83.51	81.07	81.42	44.9	44.3	46.0	1.86	1.83	1.77
Miscellaneous nonmetallic mineral products.....	71.46	72.62	70.21	40.6	40.8	41.3	1.76	1.78	1.70
Abrasive products.....	88.15	86.92	82.42	41.0	41.0	40.6	2.15	2.12	2.03
Asbestos products.....	91.43	91.30	86.63	40.1	40.4	39.2	2.28	2.26	2.21
Nonclay refractories.....	93.09	92.24	83.63	42.9	42.9	41.4	2.17	2.15	2.02
Miscellaneous nonmetallic mineral products.....	92.04	86.30	89.55	39.0	37.2	39.8	2.36	2.32	2.25
PRIMARY METAL INDUSTRIES.....									
Blast furnaces, steel works, and rolling mills.....	99.45	97.42	95.71	40.1	39.6	40.9	2.48	2.46	2.34
Blast furnaces, steel works, and rolling mills, except electrometallurgical products.....	105.07	102.31	100.94	39.8	39.2	40.7	2.64	2.61	2.48
Electrometallurgical products.....	105.47	102.70	101.34	39.8	39.2	40.7	2.65	2.62	2.49
Iron and steel foundries.....	91.54	90.52	88.91	39.8	39.7	40.6	2.30	2.28	2.19
Gray-iron foundries.....	87.91	86.85	85.89	39.6	39.3	40.9	2.22	2.21	2.10
Malleable-iron foundries.....	84.20	82.94	82.42	38.8	38.4	40.4	2.17	2.16	2.04
Steel foundries.....	85.10	84.10	78.38	39.4	39.3	38.8	2.16	2.14	2.02
Primary smelting and refining of nonferrous metals.....	96.88	95.58	95.87	41.4	41.2	42.8	2.34	2.32	2.24
Primary smelting and refining of copper, lead, and zinc.....	95.53	94.89	90.45	41.0	40.9	41.3	2.33	2.32	2.19
Primary refining of aluminum.....	90.42	90.20	87.14	41.1	41.0	41.3	2.20	2.20	2.11
Secondary smelting and refining of nonferrous metals.....	103.07	102.16	94.83	40.9	40.7	40.7	2.52	2.51	2.33
Rolling, drawing and alloying of nonferrous metals.....	86.28	86.09	82.78	40.7	40.8	41.6	2.12	2.11	1.99
Rolling, drawing, and alloying of copper.....	96.12	94.54	90.98	40.9	40.4	40.8	2.35	2.34	2.23
Rolling, drawing, and alloying of aluminum.....	97.11	93.96	91.02	41.5	40.5	41.0	2.34	2.32	2.22
Nonferrous foundries.....	95.04	95.27	89.65	40.1	40.2	40.2	2.37	2.37	2.23
Miscellaneous primary metal industries...	91.66	90.63	87.05	40.2	40.1	40.3	2.28	2.26	2.16
Iron and steel forgings.....	102.67	99.38	99.30	41.4	40.4	41.9	2.48	2.46	2.37
Wire drawing.....	107.90	105.52	101.68	41.5	40.9	41.5	2.60	2.58	2.45
Welded and heavy-riveted pipe.....	97.47	95.18	95.76	41.3	40.5	42.0	2.36	2.35	2.28
Welded and heavy-riveted pipe.....	104.33	96.47	97.63	41.9	39.7	41.9	2.49	2.43	2.33

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT).	\$89.40	\$88.34	\$84.46	41.2	40.9	41.0	\$2.17	\$2.16	\$2.06
Tin cans and other tinware.....	97.25	94.07	92.01	42.1	40.9	42.4	2.31	2.30	2.17
Cutlery, hand tools, and hardware.....	84.63	84.44	79.00	40.3	40.4	40.1	2.10	2.09	1.97
Cutlery and edge tools.....	74.59	74.40	70.58	40.1	40.0	40.1	1.86	1.86	1.76
Hand tools.....	83.58	82.99	81.00	39.8	39.9	40.5	2.10	2.08	2.00
Hardware.....	87.89	87.91	80.60	40.5	40.7	39.9	2.17	2.16	2.02
Heating apparatus (except electric) and plumbers' supplies.....	83.77	82.11	78.80	39.7	39.1	39.4	2.11	2.10	2.00
Sanitary ware and plumbers' supplies....	85.97	84.53	80.01	38.9	38.6	38.1	2.21	2.19	2.10
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified.....	83.01	80.96	78.40	40.1	39.3	40.0	2.07	2.06	1.96
Fabricated structural metal products.....	93.91	93.04	87.99	42.3	42.1	41.9	2.22	2.21	2.10
Structural steel and ornamental metal work.....	96.11	94.57	87.57	43.1	42.6	41.9	2.23	2.22	2.09
Metal doors, sash, frames, molding, and trim.....	91.12	89.42	88.20	41.8	41.4	41.8	2.18	2.16	2.11
Boiler-shop products.....	91.10	92.40	87.35	41.6	42.0	41.4	2.19	2.20	2.11
Sheet-metal work.....	94.69	93.18	90.31	41.9	41.6	42.6	2.26	2.24	2.12
Metal stamping, coating, and engraving...	91.02	89.32	86.71	41.0	40.6	40.9	2.22	2.20	2.12
Vitreous-enameled products.....	68.85	65.14	65.62	38.9	36.8	38.6	1.77	1.77	1.70
Stamped and pressed metal products.....	95.58	93.25	90.86	41.2	40.9	41.3	2.32	2.28	2.20
Lighting fixtures.....	78.41	78.80	74.86	39.4	39.6	39.4	1.99	1.99	1.90
Fabricated wire products.....	82.22	80.40	79.93	40.5	39.8	41.2	2.03	2.02	1.94
Miscellaneous fabricated metal products..	89.24	88.18	84.23	41.7	41.4	41.7	2.14	2.13	2.02
Metal shipping barrels, drums, kegs, and pails.....	104.44	96.70	105.34	43.7	41.5	45.8	2.39	2.33	2.30
Steel springs.....	98.83	93.32	88.73	41.7	40.4	40.7	2.37	2.31	2.18
Bolts, nuts, washers, and rivets.....	89.62	89.62	84.05	41.3	41.3	41.0	2.17	2.17	2.05
Screw-machine products.....	86.94	87.57	82.37	41.6	41.9	41.6	2.09	2.09	1.98
MACHINERY (EXCEPT ELECTRICAL).	94.53	93.71	92.20	41.1	41.1	42.1	2.30	2.28	2.19
Engines and turbines.....	101.84	100.53	94.62	41.4	41.2	41.5	2.46	2.44	2.28
Steam engines, turbines, and water wheels.....	112.99	113.62	96.88	42.8	43.2	41.4	2.64	2.63	2.34
Diesel and other internal-combustion engines, not elsewhere classified.....	97.10	94.94	94.21	40.8	40.4	41.5	2.38	2.35	2.27
Agricultural machinery and tractors.....	91.60	91.25	85.81	40.0	40.2	40.1	2.29	2.27	2.14
Tractors.....	92.66	91.48	88.62	39.6	39.6	40.1	2.34	2.31	2.21
Agricultural machinery (except tractors).....	90.72	90.58	82.40	40.5	40.8	40.0	2.24	2.22	2.06
Construction and mining machinery.....	93.34	92.25	92.23	41.3	41.0	42.7	2.26	2.25	2.16
Construction and mining machinery, except for oil fields.....	93.11	93.56	92.43	41.2	41.4	42.4	2.26	2.26	2.18
Oil-field machinery and tools.....	93.38	89.60	92.23	41.5	40.0	43.3	2.25	2.24	2.13
Metalworking machinery.....	108.68	109.25	108.00	43.3	43.7	45.0	2.51	2.50	2.40
Machine tools.....	101.76	102.29	104.42	42.4	42.8	45.4	2.40	2.39	2.30
Metalworking machinery (except machine tools).....	99.96	99.96	96.32	42.0	42.0	43.0	2.38	2.38	2.24
Machine-tool accessories.....	115.62	116.48	115.37	44.3	44.8	45.6	2.61	2.60	2.53
Special-industry machinery (except metal-working machinery).....	89.84	89.42	88.82	41.4	41.4	42.7	2.17	2.16	2.08
Food-products machinery.....	91.46	91.49	87.99	41.2	41.4	41.7	2.22	2.21	2.11
Textile machinery.....	77.93	76.76	75.62	40.8	40.4	41.1	1.91	1.90	1.84
Paper-industries machinery.....	94.59	95.03	98.37	44.2	44.2	46.4	2.14	2.15	2.12
Printing-trades machinery and equipment.	97.82	102.05	102.93	41.1	42.7	43.8	2.38	2.39	2.35

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
MACHINERY (EXCEPT ELECTRICAL) - Continued									
General industrial machinery.....	\$92.48	\$92.51	\$92.44	41.1	41.3	42.6	\$2.25	\$2.24	\$2.17
Pumps, air and gas compressors.....	89.76	91.10	90.31	40.8	41.6	42.6	2.20	2.19	2.12
Conveyors and conveying equipment.....	96.70	97.81	98.76	41.5	41.8	43.7	2.33	2.34	2.26
Blowers, exhaust and ventilating fans...	87.94	86.88	86.94	40.9	40.6	41.8	2.15	2.14	2.08
Industrial trucks, tractors, etc.....	90.05	89.47	87.33	40.2	40.3	41.0	2.24	2.22	2.13
Mechanical power-transmission equipment.	94.12	93.48	93.29	41.1	41.0	42.6	2.29	2.28	2.19
Mechanical stokers and industrial furnaces and ovens.....	94.47	92.77	91.56	41.8	41.6	42.0	2.26	2.23	2.18
Office and store machines and devices....	90.52	88.93	88.91	39.7	39.7	40.6	2.28	2.24	2.19
Computing machines and cash registers...	98.15	96.56	94.42	39.9	40.4	40.7	2.46	2.39	2.32
Typewriters.....	75.08	75.27	79.19	38.9	39.0	40.2	1.93	1.93	1.97
Service-industry and household machines..	86.07	84.58	84.38	39.3	38.8	39.8	2.19	2.18	2.12
Domestic laundry equipment.....	89.42	86.69	83.67	40.1	38.7	39.1	2.23	2.24	2.14
Commercial laundry, dry-cleaning, and pressing machines.....	80.40	81.18	79.79	39.8	41.0	40.5	2.02	1.98	1.97
Sewing machines.....	89.42	89.87	88.13	40.1	40.3	40.8	2.23	2.23	2.16
Refrigerators and air-conditioning units.....	86.19	84.48	84.56	39.0	38.4	39.7	2.21	2.20	2.13
Miscellaneous machinery parts.....	91.58	90.80	88.18	40.7	40.9	41.4	2.25	2.22	2.13
Fabricated pipe, fittings, and valves...	90.54	89.24	87.74	40.6	40.2	41.0	2.23	2.22	2.14
Ball and roller bearings.....	88.48	88.36	85.44	39.5	39.8	40.3	2.24	2.22	2.12
Machine shops (job and repair).....	93.34	92.57	89.67	41.3	41.7	42.1	2.26	2.22	2.13
ELECTRICAL MACHINERY.....	83.42	82.21	79.98	40.3	40.1	40.6	2.07	2.05	1.97
Electrical generating, transmission, distribution, and industrial apparatus..	89.35	87.67	86.94	40.8	40.4	41.6	2.19	2.17	2.09
Wiring devices and supplies.....	77.79	76.43	75.14	40.1	39.6	40.4	1.94	1.93	1.86
Carbon and graphite products (electrical).....	84.02	84.40	83.44	40.2	40.0	40.9	2.09	2.11	2.04
Electrical indicating, measuring, and recording instruments.....	82.62	81.20	82.74	40.7	40.2	42.0	2.03	2.02	1.97
Motors, generators, and motor-generator sets.....	94.42	91.25	90.25	40.7	40.2	41.4	2.32	2.27	2.18
Power and distribution transformers....	93.25	91.94	92.20	40.9	40.5	42.1	2.28	2.27	2.19
Switchgear, switchboard, and industrial controls.....	93.15	92.10	90.73	41.4	41.3	42.2	2.25	2.23	2.15
Electrical welding apparatus.....	99.06	98.18	103.73	42.7	42.5	45.1	2.32	2.31	2.30
Electrical appliances.....	82.22	81.83	78.79	38.6	38.6	39.2	2.13	2.12	2.01
Insulated wire and cable.....	86.72	86.50	82.45	42.3	42.4	42.5	2.05	2.04	1.94
Electrical equipment for vehicles.....	86.02	83.03	80.55	39.1	38.8	39.1	2.20	2.14	2.06
Electric lamps.....	75.65	74.86	73.75	39.4	39.4	40.3	1.92	1.90	1.83
Communication equipment.....	79.39	79.00	74.59	40.3	40.1	40.1	1.97	1.97	1.86
Radio, phonographs, television sets, and equipment.....	77.18	76.21	72.40	40.2	39.9	40.0	1.92	1.91	1.81
Radio tubes.....	71.50	69.84	65.40	39.5	38.8	38.7	1.81	1.80	1.69
Telephone, telegraph, and related equipment.....	94.39	95.49	92.62	41.4	41.7	42.1	2.28	2.29	2.20
Miscellaneous electrical products.....	80.80	80.20	76.36	40.4	40.3	40.4	2.00	1.99	1.89
Storage batteries.....	89.42	86.94	83.77	40.1	39.7	39.7	2.23	2.19	2.11
Primary batteries (dry and wet).....	67.43	70.11	64.16	39.9	41.0	40.1	1.69	1.71	1.60
X-ray and non-radio electronic tubes....	89.06	88.26	87.56	40.3	40.3	41.3	2.21	2.19	2.12

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
TRANSPORTATION EQUIPMENT.....	\$96.96	\$94.56	\$91.37	40.4	39.9	39.9	\$2.40	\$2.37	\$2.29
Automobiles.....	98.25	93.84	88.09	40.1	39.1	38.3	2.45	2.40	2.30
Motor vehicles, bodies, parts, and accessories.....	99.85	95.01	88.77	40.1	39.1	38.1	2.49	2.43	2.33
Truck and bus bodies.....	83.56	83.37	82.22	39.6	39.7	40.5	2.11	2.10	2.03
Trailers (truck and automobile).....	82.81	79.93	82.19	40.2	38.8	39.9	2.06	2.06	2.06
Aircraft and parts.....	95.88	94.60	95.08	40.8	40.6	41.7	2.35	2.33	2.28
Aircraft.....	94.30	92.80	93.75	40.3	40.0	41.3	2.34	2.32	2.27
Aircraft engines and parts.....	96.76	95.06	94.89	41.0	40.8	41.8	2.36	2.33	2.27
Aircraft propellers and parts.....	96.12	97.76	94.92	40.9	41.6	42.0	2.35	2.35	2.26
Other aircraft parts and equipment.....	100.06	99.17	99.36	42.4	42.2	43.2	2.36	2.35	2.30
Ship and boat building and repairing.....	96.63	96.32	89.60	40.6	40.3	40.0	2.38	2.39	2.24
Shipbuilding and repairing.....	99.47	98.65	92.57	40.6	40.1	39.9	2.45	2.46	2.32
Boatbuilding and repairing.....	77.95	80.03	73.31	40.6	41.9	40.5	1.92	1.91	1.81
Railroad equipment.....	98.85	98.55	93.22	39.7	39.9	39.5	2.49	2.47	2.36
Locomotives and parts.....	102.47	97.28	102.82	40.5	40.2	43.2	2.53	2.42	2.38
Railroad and street cars.....	97.71	99.10	89.30	39.4	39.8	38.0	2.48	2.49	2.35
Other transportation equipment.....	82.01	81.20	80.20	40.2	40.4	40.3	2.04	2.01	1.99
INSTRUMENTS AND RELATED PRODUCTS.....	85.46	84.42	81.20	40.5	40.2	40.6	2.11	2.10	2.00
Laboratory, scientific, and engineering instruments.....	96.05	93.03	92.99	40.7	40.1	41.7	2.36	2.32	2.23
Mechanical measuring and controlling instruments.....	86.27	86.69	82.62	40.5	40.7	40.5	2.13	2.13	2.04
Optical instruments and lenses.....	85.63	85.41	82.00	40.2	40.1	40.0	2.13	2.13	2.05
Surgical, medical, and dental instruments.....	75.30	74.15	70.00	40.7	40.3	40.0	1.85	1.84	1.75
Ophthalmic goods.....	67.94	67.77	66.26	40.2	40.1	40.9	1.69	1.69	1.62
Photographic apparatus.....	94.48	94.02	89.84	40.9	40.7	41.4	2.31	2.31	2.17
Watches and clocks.....	72.15	71.23	69.87	39.0	38.5	38.6	1.85	1.85	1.81
MISCELLANEOUS MANUFACTURING INDUSTRIES....	72.00	72.04	69.77	40.0	39.8	40.1	1.80	1.81	1.74
Jewelry, silverware, and plated ware.....	74.12	73.20	71.40	40.5	40.0	40.8	1.83	1.83	1.75
Jewelry and findings.....	71.05	69.60	68.39	40.6	40.0	41.2	1.75	1.74	1.66
Silverware and plated ware.....	80.40	80.20	77.39	40.2	40.1	40.1	2.00	2.00	1.93
Musical instruments and parts.....	81.80	82.42	77.76	39.9	40.4	40.5	2.05	2.04	1.92
Toys and sporting goods.....	65.24	65.74	61.78	39.3	38.9	39.1	1.66	1.69	1.58
Games, toys, dolls, and children's vehicles.....	63.27	63.69	61.86	39.3	38.6	39.4	1.61	1.65	1.57
Sporting and athletic goods.....	69.34	69.17	61.76	39.4	39.3	38.6	1.76	1.76	1.60
Pens, pencils, other office supplies.....	68.30	68.88	67.24	40.9	41.0	41.0	1.67	1.68	1.64
Costume jewelry, buttons, notions.....	64.12	64.57	61.62	39.1	38.9	39.0	1.64	1.66	1.58
Fabricated plastics products.....	77.14	76.36	74.21	40.6	40.4	41.0	1.90	1.89	1.81
Other manufacturing industries.....	75.58	75.01	74.77	40.2	39.9	40.2	1.88	1.88	1.86

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

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
TRANSPORTATION AND PUBLIC UTILITIES:									
TRANSPORTATION:									
Class I railroads.....	(1/)	\$94.55	\$87.78	(1/)	42.4	41.6	(1/)	\$2.23	\$2.11
Local railways and bus lines.....	\$90.37	88.71	85.85	44.3	43.7	43.8	\$2.04	2.03	1.96
COMMUNICATION:									
Telephone.....	76.44	75.66	73.10	39.2	39.0	39.3	1.95	1.94	1.86
Switchboard operating employees 2/...	63.92	63.27	60.75	37.6	37.0	37.5	1.70	1.71	1.62
Line construction, installation, and maintenance employees 3/.....	103.39	101.63	100.46	42.9	42.7	43.3	2.41	2.38	2.32
Telegraph 4/.....	88.62	89.25	85.87	42.2	42.5	42.3	2.10	2.10	2.03
OTHER PUBLIC UTILITIES:									
Gas and electric utilities.....	95.53	93.61	91.69	41.0	40.7	41.3	2.33	2.30	2.22
Electric light and power utilities.....	99.07	95.76	93.18	41.8	41.1	41.6	2.37	2.33	2.24
Gas utilities.....	89.42	88.04	86.28	40.1	40.2	40.7	2.23	2.19	2.12
Electric light and gas utilities combined.....	95.82	95.18	93.56	40.6	40.5	41.4	2.36	2.35	2.26
WHOLESALE AND RETAIL TRADE:									
WHOLESALE TRADE.....									
	84.84	83.81	81.41	40.4	40.1	40.3	2.10	2.09	2.02
RETAIL TRADE (EXCEPT EATING AND DRINKING PLACES).....									
General merchandise stores.....	63.20	62.32	61.15	38.3	38.0	38.7	1.65	1.64	1.58
Department stores and general mail-order houses.....	46.02	44.54	44.10	34.6	34.0	35.0	1.33	1.31	1.26
Food and liquor stores.....	51.74	50.32	49.84	35.2	34.7	35.6	1.47	1.45	1.40
Automotive and accessories dealers.....	65.67	64.59	64.39	37.1	36.7	38.1	1.77	1.76	1.69
Apparel and accessories stores.....	85.55	84.48	82.59	44.1	44.0	43.7	1.94	1.92	1.89
Other retail trade:	49.70	48.56	48.16	35.0	34.2	34.9	1.42	1.42	1.38
Furniture and appliance stores.....	71.65	71.06	69.89	41.9	41.8	42.1	1.71	1.70	1.66
Lumber and hardware supply stores.....	75.65	75.23	74.13	42.5	42.5	43.1	1.78	1.77	1.72
FINANCE, INSURANCE, AND REAL ESTATE:									
Banks and trust companies.....	63.75	63.67	61.53	-	-	-	-	-	-
Security dealers and exchanges.....	100.91	101.21	98.19	-	-	-	-	-	-
Insurance carriers.....	80.51	80.47	77.39	-	-	-	-	-	-
SERVICE AND MISCELLANEOUS:									
Hotels and lodging places:									
Hotels, year-round 5/.....	43.20	43.23	42.43	40.0	40.4	40.8	1.08	1.07	1.04
Personal services:									
Laundries.....	43.93	43.93	42.95	40.3	40.3	40.9	1.09	1.09	1.05
Cleaning and dyeing plants.....	52.40	52.79	51.69	40.0	40.3	40.7	1.31	1.31	1.27
Motion pictures:									
Motion-picture production and distribution.....	101.30	97.61	89.54	-	-	-	-	-	-

1/ Not available. 2/ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1956, such employees made up 40 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data. 3/ Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1956, such employees made up 27 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data. 4/ Data relate to domestic employees except messengers and those compensated entirely on a commission basis. 5/ Money payments only; additional value of board, room, uniforms, and tips, not included. *Annual average weekly earnings for petroleum and natural-gas production (except contract services) for 1955 shown in the June 1957 Annual Supplement Issue should have read \$94.19 instead of \$95.94. **Work shirts data revised: March 1957, \$42.60, 35.8; April 1957, \$42.60, 36.1, \$1.18.

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

Year	Manufacturing		Bituminous-coal mining		Laundries		Year and month	Manufacturing		Bituminous-coal mining		Laundries	
	Current	1947-49	Current	1947-49	Current	1947-49		Current	1947-49	Current	1947-49	Current	1947-49
Annual average:							Monthly data:						
1939.....	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	1956						
1940.....	25.20	42.07	24.71	41.25	17.93	29.93	June...	\$79.19	\$68.15	\$107.82	\$92.79	\$42.95	\$36.96
1941.....	29.58	47.03	30.86	49.06	18.69	29.71	July...	78.60	67.18	102.16	87.32	42.42	36.26
1942.....	36.65	52.58	35.02	50.24	20.34	29.18	Aug....	79.79	68.31	102.49	87.75	41.90	35.87
1943.....	43.14	58.30	41.62	56.24	23.08	31.19	Sept....	81.81	69.86	106.12	90.62	42.61	36.39
1944.....	46.08	61.28	51.27	68.18	23.95	34.51	Oct....	82.21	69.85	110.38	93.78	42.61	36.20
1945.....	44.39	57.72	52.25	67.95	27.73	36.06	Nov....	82.22	69.80	106.79	90.65	42.29	35.90
1946.....	43.82	52.54	58.03	69.58	30.20	36.21	Dec....	84.05	71.23	115.33	97.74	42.91	36.36
1947.....	49.97	52.32	66.59	69.73	32.71	34.25	1957						
1948.....	54.14	52.67	72.12	70.16	34.23	33.30	Jan....	82.41	69.72	110.63	93.60	42.59	36.03
1949.....	54.92	53.95	63.28	62.16	34.98	34.36	Feb....	82.41	69.43	112.51	94.79	42.59	35.88
1950.....	59.33	57.71	70.35	68.43	35.47	34.50	Mar....	82.21	69.14	109.58	92.16	42.69	35.90
1951.....	64.71	58.30	77.79	70.08	37.81	34.06	Apr....	81.59	68.39	111.74	93.66	43.20	36.21
1952.....	67.97	59.89	78.09	68.80	38.63	34.04	May....	81.78	68.38	107.76	90.10	43.93	36.73
1953.....	71.69	62.67	85.31	74.57	39.69	34.69	June...	82.80	68.89	112.18	93.33	43.93	36.55
1954.....	71.86	62.60	80.85	70.43	40.10	34.93							
1955.....	76.52	66.83	96.26	84.07	40.70	35.55							
1956.....	79.99	68.84	106.22	91.41	42.32	36.42							

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

Year	Gross average weekly earnings		Net spendable average weekly earnings				Year and month	Gross average weekly earnings		Net spendable average weekly earnings			
	Amount	Index (1947-49 = 100)	Worker with no dependents		Worker with 3 dependents			Amount	Index (1947-49 = 100)	Worker with no dependents		Worker with 3 dependents	
			Current	1947-49	Current	1947-49				Current	1947-49	Current	1947-49
Annual average:							Monthly data:						
1939.....	\$23.86	45.1	\$23.58	\$39.70	\$23.62	\$39.76	1956						
1940.....	25.20	47.6	24.69	41.22	24.95	41.65	June...	\$79.19	149.6	\$65.24	\$56.14	\$72.58	\$62.46
1941.....	29.58	55.9	28.05	44.59	29.28	46.55	July...	78.60	148.4	64.78	55.37	72.11	61.63
1942.....	36.65	69.2	31.77	45.58	36.28	52.05	Aug....	79.79	150.7	65.71	56.26	73.06	62.55
1943.....	43.14	81.5	36.01	48.66	41.39	55.93	Sept....	81.81	154.5	67.30	57.47	74.70	63.79
1944.....	46.08	87.0	38.29	50.92	44.06	58.59	Oct....	82.21	155.3	67.62	57.45	75.03	63.75
1945.....	44.39	83.8	36.97	48.08	42.74	55.58	Nov....	82.22	155.3	67.63	57.41	75.04	63.70
1946.....	43.82	82.8	37.72	45.23	43.20	51.80	Dec....	84.05	158.7	69.10	58.56	76.54	64.86
1947.....	49.97	94.4	42.76	44.77	48.24	50.51	1957						
1948.....	54.14	102.2	47.43	46.14	53.17	51.72	Jan....	82.41	155.6	67.58	57.17	74.99	63.44
1949.....	54.92	103.7	48.09	47.24	53.83	52.88	Feb....	82.41	155.6	67.58	56.93	74.99	63.18
1950.....	59.33	112.0	51.09	49.70	57.21	55.65	Mar....	82.21	155.3	67.42	56.70	74.82	62.93
1951.....	64.71	122.2	54.04	48.68	61.28	55.21	Apr....	81.59	154.1	66.93	56.10	74.31	62.29
1952.....	67.97	128.4	55.66	49.04	63.62	56.05	May....	81.78	154.4	67.08	56.09	74.47	62.27
1953.....	71.69	135.4	58.54	51.17	66.58	58.20	June...	82.80	156.4	67.90	56.49	75.31	62.65
1954.....	71.86	135.7	59.55	51.87	66.78	58.17							
1955.....	76.52	144.5	63.15	55.15	70.45	61.53							
1956.....	79.99	151.1	65.86	56.68	73.22	63.01							

Table C-4: Average hourly earnings, gross and excluding overtime, of production workers in manufacturing, by major industry group

Major industry group	Gross average hourly earnings			Average hourly earnings, excluding overtime ^{1/}		
	June 1957	May 1957	June 1956	June 1957	May 1957	June 1956
MANUFACTURING	\$2.07	\$2.06	\$1.97	\$2.01	\$2.00	\$1.91
DURABLE GOODS	2.19	2.18	2.09	2.13	2.12	2.02
Ordnance and accessories.....	2.33	2.31	2.20	2.28	2.25	2.13
Lumber and wood products (except furniture).....	1.85	1.82	1.81	1.78	1.76	1.74
Furniture and fixtures.....	1.74	1.73	1.69	1.70	1.69	1.64
Stone, clay, and glass products.....	2.04	2.02	1.96	1.96	1.95	1.88
Primary metal industries.....	2.48	2.46	2.34	2.41	2.40	2.26
Fabricated metal products (except ordnance, machinery, and transportation equipment).....	2.17	2.16	2.06	2.09	2.09	1.99
Machinery (except electrical).....	2.30	2.28	2.19	2.23	2.21	2.10
Electrical machinery.....	2.07	2.05	1.97	2.02	2.01	1.91
Transportation equipment.....	2.40	2.37	2.29	2.35	2.32	2.22
Instruments and related products.....	2.11	2.10	2.00	2.06	2.05	1.95
Miscellaneous manufacturing industries..	1.80	1.81	1.74	1.75	1.76	1.69
NONDURABLE GOODS	1.89	1.88	1.81	1.83	1.83	1.75
Food and kindred products.....	1.93	1.94	1.83	1.86	1.87	1.76
Tobacco manufactures.....	1.59	1.58	1.52	1.56	1.56	1.49
Textile-mill products.....	1.50	1.50	1.44	1.46	1.46	1.40
Apparel and other finished textile products.....	1.49	1.48	1.45	1.47	1.46	1.43
Paper and allied products.....	2.03	2.01	1.93	1.94	1.91	1.83
Printing, publishing, and allied industries ^{2/}	2.51	2.51	2.43	—	—	—
Chemicals and allied products.....	2.23	2.20	2.12	2.17	2.14	2.06
Products of petroleum and coal.....	2.66	2.61	2.55	2.58	2.54	2.48
Rubber products.....	2.23	2.22	2.14	2.15	2.16	2.08
Leather and leather products.....	1.54	1.54	1.50	1.52	1.52	1.47

^{1/} Derived by assuming that the overtime hours shown in table 4 are paid for at the rate of time and one-half.

^{2/} Average hourly earnings, excluding overtime, are not available separately for the printing, publishing, and allied industries group, as graduated overtime rates are found to an extent likely to make average overtime pay significantly above time and one-half. Inclusion of data for the industry in the nondurable-goods total has little effect.

**Table C-5. Indexes of aggregate weekly man-hours
in industrial and construction activity ^{1/}**

(1947-49 = 100)

Year and month	TOTAL ^{2/}	Mining division	Contract construction division	Manufacturing division	Total: Durable goods	Total: Nondurable goods	Manufacturing - Durable goods	
							Ordnance and accessories	Lumber and wood products (except furniture)
1947: Average..	103.6	105.1	94.6	104.8	106.1	103.1	101.2	107.0
1948: Average..	103.4	105.4	103.4	103.2	104.1	102.1	107.6	102.7
1949: Average..	93.0	89.5	102.0	92.0	89.7	94.7	91.1	90.3
1950: Average..	101.5	91.0	109.1	101.1	102.7	99.2	107.4	99.6
1951: Average..	109.5	95.0	124.1	108.4	115.7	99.7	290.4	102.7
1952: Average..	109.7	90.9	127.5	108.4	116.6	98.6	625.0	96.9
1953: Average..	113.3	87.5	123.1	113.6	125.2	99.7	798.5	93.0
1954: Average..	101.9	77.4	118.9	101.1	107.5	93.5	509.7	84.7
1955: Average..	108.4	81.1	125.9	107.7	116.3	97.4	413.2	91.1
1956: Average..	110.3	84.7	138.0	108.1	117.2	97.2	375.3	88.8
1956: June.....	111.2	87.1	154.3	106.6	116.2	95.2	374.6	94.6
July.....	106.8	78.3	154.6	101.8	107.8	94.8	368.7	92.7
Aug.....	113.2	86.4	161.1	108.1	115.1	99.8	355.0	97.5
Sept.....	114.7	88.3	160.7	109.9	117.3	101.1	371.8	93.7
Oct.....	115.2	86.9	157.7	111.0	120.2	100.2	373.6	91.4
Nov.....	112.6	85.2	144.2	109.9	120.2	97.6	371.9	89.8
Dec.....	112.5	87.7	135.9	110.8	122.0	97.4	380.4	81.8
1957: Jan.....	106.4	85.1	112.0	107.0	117.9	94.0	366.3	76.2
Feb.....	107.2	85.3	119.8	106.9	117.7	94.0	360.9	76.3
Mar.....	107.0	84.3	123.0	106.3	116.8	93.7	355.6	77.0
Apr.....	106.5	84.0	131.1	104.5	115.1	91.9	350.9	80.1
May.....	107.0	83.8	141.4	103.7	114.0	91.4	337.0	84.0
June.....	109.6	87.9	151.6	105.1	114.9	93.3	338.3	88.1

Manufacturing - Durable goods - Continued

Year and month	Manufacturing - Durable goods - Continued						
	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries	Fabricated metal products	Machinery (except electrical)	Electrical machinery	Transportation equipment
1947: Average..	103.3	102.8	105.4	106.7	108.3	111.1	102.9
1948: Average..	104.6	103.9	106.6	103.8	106.6	102.9	100.9
1949: Average..	92.1	93.3	88.0	89.4	85.1	86.0	96.3
1950: Average..	111.5	102.9	104.1	106.5	94.0	107.6	106.1
1951: Average..	105.9	111.4	115.7	115.8	116.9	123.7	124.5
1952: Average..	106.2	104.3	104.6	112.1	118.4	131.2	138.0
1953: Average..	108.5	106.6	113.9	123.4	119.0	147.1	158.6
1954: Average..	96.7	99.2	94.2	108.8	100.9	123.1	134.3
1955: Average..	106.6	108.2	110.1	118.0	106.4	130.6	147.2
1956: Average..	107.4	109.3	110.5	116.3	115.6	138.6	139.0
1956: June.....	104.1	111.9	112.7	113.6	115.6	136.5	129.5
July.....	101.7	108.2	74.2	106.6	112.4	132.8	130.2
Aug.....	108.3	110.9	106.7	111.6	112.5	138.0	128.8
Sept.....	110.6	108.9	114.5	117.1	114.4	142.0	127.6
Oct.....	111.7	111.2	113.9	121.1	114.0	145.8	141.3
Nov.....	107.3	109.3	113.3	119.7	113.7	145.8	151.6
Dec.....	109.3	108.2	115.3	121.4	117.4	144.7	161.0
1957: Jan.....	102.9	103.3	114.3	117.2	116.3	139.2	154.1
Feb.....	104.0	103.2	111.6	117.6	117.2	138.7	153.8
Mar.....	104.0	103.9	109.7	116.9	116.5	137.2	151.3
Apr.....	102.2	104.1	108.0	115.5	114.0	133.9	146.5
May.....	99.7	105.4	106.6	114.7	111.4	132.4	142.9
June.....	102.3	106.3	107.9	116.0	109.9	134.5	142.7

See footnotes at end of table.

**Table C-5. Indexes of aggregate weekly man-hours
in industrial and construction activity ^{1/} Continued**

(1947-49 = 100)

Year and month	Manufacturing - Durable goods-Con.		Manufacturing - Nondurable goods			
	Instruments and related products	Miscellaneous manufacturing industries	Food and kindred products	Tobacco manufactures	Textile-mill products	Apparel and other finished textile products
1947: Average..	107.5	104.6	103.9	105.9	104.5	99.6
1948: Average..	103.0	104.2	100.0	101.0	105.7	101.6
1949: Average..	89.5	91.2	96.1	93.1	89.9	98.8
1950: Average..	97.4	101.3	95.2	89.2	100.1	103.0
1951: Average..	117.5	103.1	95.9	91.2	96.0	101.9
1952: Average..	122.7	100.5	94.7	92.2	90.7	104.5
1953: Average..	129.9	109.5	93.7	90.1	89.8	106.9
1954: Average..	115.9	98.8	98.5	88.5	78.7	98.8
1955: Average..	117.5	104.2	90.5	90.3	83.1	104.9
1956: Average..	121.1	105.5	90.7	85.6	80.6	104.5
1956: June.....	119.5	103.4	90.0	76.0	78.9	99.2
July.....	118.0	98.4	93.6	72.8	75.8	97.7
Aug.....	121.0	106.2	102.8	94.9	79.0	105.9
Sept.....	123.0	109.5	107.8	107.6	79.1	103.9
Oct.....	123.8	112.6	99.8	101.6	80.9	106.3
Nov.....	123.2	109.4	92.9	92.4	80.8	104.9
Dec.....	123.3	105.6	87.9	91.9	80.3	105.5
1957: Jan.....	121.4	98.3	81.6	85.0	77.0	102.6
Feb.....	121.5	99.4	79.2	80.0	76.9	106.3
Mar.....	121.0	100.5	78.8	72.0	76.0	106.7
Apr.....	120.0	98.9	79.2	67.2	74.8	101.6
May.....	117.1	98.7	81.1	70.6	73.7	99.1
June.....	116.3	100.2	86.6	70.5	74.6	99.5
	Manufacturing - Nondurable goods - Continued					
Year and month	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Products of petroleum and coal	Rubber products	Leather and leather products
1947: Average..	102.6	101.4	103.3	99.0	109.8	105.8
1948: Average..	102.3	100.5	102.6	102.7	102.0	100.8
1949: Average..	95.1	98.0	94.1	98.3	88.1	93.4
1950: Average..	105.4	99.5	97.2	97.3	101.9	97.8
1951: Average..	109.9	101.6	105.5	102.1	108.5	92.1
1952: Average..	105.9	102.7	104.7	98.2	108.4	96.9
1953: Average..	111.6	105.4	108.1	100.9	111.6	96.5
1954: Average..	109.3	104.7	103.5	95.8	96.4	89.9
1955: Average..	114.4	108.7	107.0	94.5	112.4	95.5
1956: Average..	116.9	113.0	107.9	94.6	106.7	94.4
1956: June.....	117.0	112.0	107.5	95.3	101.1	93.5
July.....	116.6	111.0	105.1	94.4	101.3	94.2
Aug.....	117.7	112.9	105.8	96.9	103.9	95.6
Sept.....	119.0	114.7	107.5	97.8	106.9	91.4
Oct.....	118.3	116.3	107.7	95.2	110.1	91.2
Nov.....	117.9	115.1	107.3	95.2	98.8	91.1
Dec.....	119.1	116.8	107.9	94.6	112.3	93.8
1957: Jan.....	116.3	112.6	107.2	93.6	111.1	94.0
Feb.....	115.8	112.8	106.9	93.8	109.2	95.9
Mar.....	115.8	114.5	107.3	93.1	107.2	95.6
Apr.....	115.6	113.8	107.1	94.7	96.2	98.7
May.....	114.6	112.7	106.1	94.2	102.7	86.8
June.....	116.2	112.9	104.6	95.9	102.7	92.7

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

^{2/} Includes only the divisions shown.

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
ALABAMA.....	\$68.85	\$67.55	\$61.46	38.9	38.6	38.9	\$1.77	\$1.75	\$1.58
Birmingham.....	88.84	87.82	76.00	40.2	40.1	40.0	2.21	2.19	1.90
Mobile.....	85.20	84.87	77.39	40.0	41.0	40.1	2.13	2.07	1.93
ARIZONA.....	90.68	90.35	91.38	40.3	40.7	42.5	2.25	2.22	2.15
Phoenix.....	88.53	86.76	89.89	39.7	39.8	42.2	2.23	2.18	2.13
ARKANSAS.....	57.52	57.28	56.56	39.4	39.5	40.4	1.46	1.45	1.40
Little Rock- N. Little Rock.....	58.18	58.58	55.49	40.4	40.4	40.8	1.44	1.45	1.36
CALIFORNIA.....	93.42	91.82	90.28	40.1	39.8	40.5	2.33	2.31	2.23
Fresno.....	80.73	78.66	80.25	38.4	37.4	39.3	2.10	2.10	2.04
Los Angeles-Long Beach...	93.59	92.54	89.64	40.5	40.3	40.8	2.31	2.30	2.20
Sacramento.....	87.15	94.32	87.45	35.7	40.2	39.0	2.44	2.35	2.24
San Bernardino- Riverside-Ontario.....	93.26	90.66	87.25	40.5	39.7	40.1	2.30	2.28	2.17
San Diego.....	92.61	90.65	95.08	40.7	40.1	42.4	2.27	2.26	2.25
San Francisco-Oakland....	96.55	94.45	93.03	39.7	39.1	40.0	2.43	2.42	2.33
San Jose.....	95.10	91.13	88.52	40.5	39.6	40.3	2.35	2.30	2.19
Stockton.....	82.97	84.45	81.37	38.1	39.2	38.8	2.18	2.15	2.10
COLORADO.....	89.02	86.50	83.22	41.6	40.8	41.2	2.14	2.12	2.02
Denver.....	87.10	85.46	81.20	40.7	40.5	40.2	2.14	2.11	2.02
CONNECTICUT.....	84.45	83.84	80.56	40.6	40.7	41.1	2.08	2.06	1.96
Bridgeport.....	87.89	87.29	84.46	40.5	40.6	41.4	2.17	2.15	2.04
Hartford.....	87.34	88.61	86.29	41.2	41.6	42.3	2.12	2.13	2.04
New Britain.....	82.82	84.45	79.17	40.6	41.4	40.6	2.04	2.04	1.95
New Haven.....	81.41	81.20	78.34	40.5	40.4	40.8	2.01	2.01	1.92
Stamford.....	85.60	84.99	83.16	40.0	39.9	39.6	2.14	2.13	2.10
Waterbury.....	84.04	83.21	80.18	40.6	40.2	40.7	2.07	2.07	1.97
DELAWARE.....	84.67	83.44	79.84	41.3	40.7	41.8	2.05	2.05	1.91
Wilmington.....	94.77	93.03	91.13	40.5	40.1	40.5	2.34	2.32	2.25
DISTRICT OF COLUMBIA: Washington.....	87.20	86.98	84.84	40.0	39.9	40.4	2.18	2.18	2.10
FLORIDA.....	65.20	64.96	62.88	40.5	40.6	41.1	1.61	1.60	1.53
Jacksonville.....	72.57	71.17	69.05	41.0	40.9	41.1	1.77	1.74	1.68
Miami.....	63.69	63.08	63.90	38.6	38.7	40.7	1.65	1.63	1.57
Tampa-St. Petersburg.....	64.00	63.60	61.71	40.0	40.0	40.6	1.60	1.59	1.52
GEORGIA.....	58.98	58.59	56.20	38.8	38.8	39.3	1.52	1.51	1.43
Atlanta.....	74.80	71.92	69.48	40.0	39.3	39.7	1.87	1.83	1.75
Savannah.....	81.67	78.66	75.23	42.1	41.4	42.5	1.94	1.90	1.77
IDAHO.....	87.78	85.24	89.24	41.8	40.4	42.7	2.10	2.11	2.09
ILLINOIS.....	(1/)	87.66	85.37	(1/)	40.2	40.8	(1/)	2.18	2.09
Chicago.....	(1/)	91.59	89.21	(1/)	40.2	40.8	(1/)	2.28	2.19
Peoria.....	(1/)	89.83	89.83	(1/)	39.9	41.4	(1/)	2.25	2.17
Rockford.....	(1/)	93.07	88.42	(1/)	42.8	42.9	(1/)	2.17	2.06
INDIANA.....	91.56	89.87	85.81	40.7	40.3	40.5	2.25	2.23	2.12
IOWA.....	81.72	81.62	76.75	40.0	40.0	40.1	2.05	2.04	1.91
Des Moines.....	88.14	86.17	81.33	39.5	39.0	39.1	2.23	2.21	2.08

See footnotes at end of table.

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
KANSAS.....	\$85.74	\$85.59	\$82.94	41.2	41.2	41.9	\$2.08	\$2.08	\$1.98
Topeka.....	82.65	82.12	78.86	40.8	41.1	41.0	2.03	2.00	1.92
Wichita.....	89.00	88.75	84.40	41.1	41.0	41.4	2.16	2.17	2.04
KENTUCKY.....	(1/)	77.02	74.52	(1/)	39.4	40.1	(1/)	1.95	1.86
Louisville.....	(1/)	86.54	81.79	(1/)	40.1	40.3	(1/)	2.16	2.03
LOUISIANA.....	79.15	78.36	74.89	40.8	40.6	40.7	1.94	1.93	1.84
Baton Rouge.....	102.54	102.26	102.75	39.9	40.1	41.1	2.57	2.55	2.50
New Orleans.....	79.18	79.40	72.86	40.4	40.1	39.6	1.96	1.98	1.84
MAINE.....	63.85	63.40	62.25	40.0	39.7	40.1	1.60	1.60	1.55
Lewiston.....	55.00	52.97	54.29	37.5	35.4	37.2	1.47	1.50	1.46
Portland.....	69.06	68.64	67.01	40.6	40.5	41.7	1.70	1.70	1.61
MARYLAND.....	83.62	81.20	79.46	40.7	40.0	41.0	2.05	2.03	1.94
Baltimore.....	88.45	85.41	83.84	41.2	40.3	41.2	2.15	2.12	2.04
MASSACHUSETTS.....	74.82	73.88	70.71	39.8	39.3	39.5	1.88	1.88	1.79
Boston.....	79.60	78.21	74.05	40.0	39.5	39.6	1.99	1.98	1.87
Fall River.....	54.15	53.76	49.98	36.1	35.6	34.0	1.50	1.51	1.47
New Bedford.....	59.66	58.13	55.33	38.0	37.5	36.4	1.57	1.55	1.52
Springfield-Holyoke.....	80.40	80.20	76.57	40.2	40.1	40.3	2.00	2.00	1.90
Worcester.....	83.23	80.99	82.41	41.0	39.7	41.0	2.03	2.04	2.01
MICHIGAN.....	98.69	95.64	91.20	40.3	39.7	39.6	2.45	2.41	2.30
Detroit.....	103.88	101.29	96.32	40.0	39.8	39.3	2.60	2.55	2.45
Flint.....	97.98	90.86	92.08	39.1	37.3	39.1	2.51	2.44	2.36
Grand Rapids.....	88.36	88.72	84.82	40.0	40.4	40.2	2.21	2.20	2.11
Lansing.....	96.11	88.40	91.56	38.8	36.5	39.5	2.48	2.42	2.32
Muskegon.....	88.78	89.19	86.11	38.6	39.0	39.3	2.30	2.29	2.19
Saginaw.....	92.96	90.65	88.19	40.0	39.9	40.4	2.32	2.27	2.18
MINNESOTA.....	(1/)	83.50	79.79	(1/)	40.2	40.5	(1/)	2.08	1.97
Duluth.....	(1/)	87.89	83.94	(1/)	38.7	39.9	(1/)	2.27	2.10
Minneapolis-St. Paul.....	(1/)	85.19	81.94	(1/)	40.0	40.2	(1/)	2.13	2.04
MISSISSIPPI.....	55.58	56.37	52.93	39.7	39.7	39.5	1.40	1.42	1.34
Jackson.....	62.10	61.98	61.19	41.4	41.6	42.2	1.50	1.49	1.45
MISSOURI.....	78.39	77.12	74.58	39.5	39.2	39.5	1.98	1.97	1.89
Kansas City.....	85.10	84.22	80.71	39.9	39.7	39.9	2.13	2.12	2.01
St. Louis.....	86.99	85.81	82.15	40.0	39.8	40.0	2.18	2.16	2.06
MONTANA.....	85.76	85.36	92.42	38.8	38.6	41.8	2.21	2.21	2.21
NEBRASKA.....	79.37	77.32	75.04	42.6	41.3	42.4	1.87	1.87	1.77
Omaha.....	84.28	82.26	80.08	42.0	41.4	42.5	2.01	1.99	1.89
NEVADA.....	98.16	98.89	92.58	38.8	39.4	38.1	2.53	2.51	2.43
NEW HAMPSHIRE.....	65.44	63.84	62.47	40.9	39.9	40.3	1.60	1.60	1.55
Manchester.....	60.21	57.44	56.25	39.1	37.3	37.5	1.54	1.54	1.50

See footnotes at end of table.

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
NEW JERSEY	\$85.49	\$84.26	\$82.46	40.1	39.8	40.4	\$2.13	\$2.12	\$2.04
Newark-Jersey City 2/....	86.52	84.77	83.30	40.0	39.5	40.3	2.16	2.15	2.07
Paterson 2/.....	86.05	85.23	82.42	40.9	40.8	40.8	2.10	2.09	2.02
Perth Amboy 2/.....	87.06	85.95	83.46	40.1	39.7	40.3	2.17	2.17	2.07
Trenton.....	84.89	83.88	79.32	40.1	40.0	39.5	2.12	2.10	2.01
NEW MEXICO	90.45	87.50	84.05	41.3	40.7	41.0	2.19	2.15	2.05
Albuquerque.....	92.01	89.67	81.56	42.4	41.9	41.4	2.17	2.14	1.97
NEW YORK	81.49	80.31	77.91	39.2	39.0	39.3	2.08	2.06	1.98
Albany-Schenectady-Troy..	90.79	88.33	86.94	39.9	39.9	40.6	2.27	2.21	2.14
Binghamton.....	75.00	75.56	72.87	39.6	39.5	39.3	1.89	1.91	1.85
Buffalo.....	96.63	94.40	93.13	40.4	40.0	41.0	2.39	2.36	2.27
Elmira.....	81.10	78.31	76.55	40.3	39.6	40.0	2.01	1.98	1.91
Nassau and Suffolk Counties 2/.....	87.94	86.29	87.09	40.0	39.7	40.7	2.20	2.17	2.17
New York-Northeastern New Jersey.....	81.51	79.90	77.80	39.0	38.6	38.9	2.09	2.07	2.00
New York City 2/.....	76.80	76.02	73.53	37.8	37.6	37.7	2.03	2.02	1.95
Rochester.....	87.07	86.74	84.64	40.0	39.9	40.7	2.18	2.17	2.08
Syracuse.....	84.52	82.55	81.83	40.5	39.9	41.0	2.09	2.07	2.00
Utica-Rome.....	80.64	79.30	77.27	40.6	40.5	41.0	1.99	1.96	1.89
Westchester County 2/....	86.97	79.93	78.62	41.3	39.4	40.2	2.11	2.03	1.95
NORTH CAROLINA	55.73	55.48	53.70	38.7	38.8	39.2	1.44	1.43	1.37
Charlotte.....	61.71	61.97	57.89	40.6	40.5	40.2	1.52	1.53	1.44
Greensboro-High Point....	53.94	53.07	52.58	37.2	36.6	38.1	1.45	1.45	1.38
NORTH DAKOTA	78.06	78.95	76.53	42.9	43.5	44.5	1.82	1.82	1.72
Fargo.....	81.94	84.60	82.20	42.3	43.8	44.4	1.94	1.93	1.85
OHIO	93.29	91.59	89.93	40.2	40.0	40.8	2.32	2.29	2.20
Akron.....	98.39	97.42	90.46	40.3	39.8	38.9	2.44	2.45	2.33
Canton.....	89.51	89.06	90.93	38.0	37.8	40.7	2.36	2.36	2.23
Cincinnati.....	85.38	85.55	84.07	39.9	40.4	41.3	2.14	2.12	2.04
Cleveland.....	95.38	95.61	93.16	40.2	40.8	41.1	2.37	2.34	2.27
Columbus.....	89.03	87.42	85.24	40.6	40.3	41.0	2.19	2.17	2.08
Dayton.....	100.20	96.02	96.25	40.3	39.3	41.0	2.49	2.44	2.35
Toledo.....	95.66	94.32	91.38	40.0	39.7	40.0	2.39	2.38	2.28
Youngstown.....	101.97	99.26	101.89	38.9	38.7	41.0	2.62	2.56	2.49
OKLAHOMA	80.78	78.60	79.65	40.8	40.1	41.7	1.98	1.96	1.91
Oklahoma City.....	79.66	77.10	74.62	42.6	41.9	42.4	1.87	1.84	1.76
Tulsa.....	87.60	86.62	83.64	40.0	40.1	40.6	2.19	2.16	2.06
OREGON	91.96	92.71	90.71	39.4	39.2	39.2	2.33	2.37	2.31
Portland.....	88.34	88.55	85.77	38.9	38.5	38.9	2.27	2.30	2.21
PENNSYLVANIA	82.78	82.37	80.28	39.8	39.6	39.9	2.08	2.08	2.01
Allentown-Bethlehem- Easton.....	80.34	83.56	76.73	39.0	40.0	38.5	2.06	2.07	1.99
Erie.....	91.15	89.40	85.91	42.2	41.2	42.3	2.16	2.17	2.03
Harrisburg.....	75.83	75.65	71.75	39.7	39.4	39.4	1.91	1.92	1.82
Lancaster.....	72.09	71.91	68.65	40.5	40.4	40.6	1.78	1.78	1.69
Philadelphia.....	85.97	85.17	82.90	39.8	39.8	40.4	2.16	2.14	2.05
Pittsburgh.....	100.90	98.95	96.45	40.2	39.9	40.8	2.51	2.48	2.36
Reading.....	74.28	74.24	72.50	39.3	39.7	39.9	1.89	1.87	1.82
Scranton.....	61.99	61.44	60.25	38.5	38.4	38.4	1.61	1.60	1.57
Wilkes-Barre-Hazleton...	57.66	57.13	55.09	37.2	37.1	36.7	1.55	1.54	1.50
York.....	70.82	70.24	69.46	40.7	40.6	41.2	1.74	1.73	1.69

See footnotes at end of table.

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	1957		1956	1957		1956	1957		1956
	June	May	June	June	May	June	June	May	June
RHODE ISLAND.....	\$68.51	\$67.26	\$65.57	40.0	39.4	39.5	\$1.71	\$1.71	\$1.66
Providence.....	68.80	67.66	65.11	40.0	39.8	39.7	1.72	1.70	1.64
SOUTH CAROLINA.....	56.74	55.77	53.72	39.4	39.0	39.5	1.44	1.43	1.36
Charleston.....	64.00	65.04	60.05	40.0	40.4	40.3	1.60	1.61	1.49
SOUTH DAKOTA.....	80.20	80.16	76.42	44.9	44.8	45.4	1.79	1.79	1.68
Sioux Falls.....	87.43	89.09	83.26	46.1	47.1	46.9	1.90	1.89	1.78
TENNESSEE.....	65.50	65.34	63.12	39.7	39.6	39.7	1.65	1.65	1.59
Chattanooga.....	68.17	68.23	64.38	40.1	39.9	39.5	1.70	1.71	1.63
Knoxville.....	76.83	77.03	73.08	39.2	39.3	39.5	1.96	1.96	1.85
Memphis.....	72.40	72.36	68.85	40.0	40.2	40.5	1.81	1.80	1.70
Nashville.....	66.47	66.30	65.60	39.8	39.7	41.0	1.67	1.67	1.60
TEXAS.....	84.66	82.01	80.12	41.5	40.6	41.3	2.04	2.02	1.94
Dallas.....	77.74	76.54	74.48	40.7	40.5	40.7	1.91	1.89	1.83
Houston.....	96.60	92.57	94.11	42.0	40.6	42.2	2.30	2.28	2.23
UTAH.....	90.90	88.13	83.82	40.4	39.7	40.3	2.25	2.22	2.08
Salt Lake City.....	87.14	84.86	83.43	41.3	40.8	41.3	2.11	2.08	2.02
VERMONT.....	68.95	67.88	68.10	41.2	40.7	42.4	1.67	1.67	1.61
Burlington.....	64.78	64.23	59.94	39.7	40.4	40.3	1.63	1.61	1.49
Springfield.....	81.10	80.22	84.34	40.5	40.1	43.4	2.00	2.00	1.94
VIRGINIA.....	64.72	64.40	61.91	40.2	40.0	40.2	1.61	1.61	1.54
Norfolk-Portsmouth.....	70.64	69.03	65.84	40.6	39.9	39.9	1.74	1.73	1.65
Richmond.....	72.09	72.92	68.88	40.5	41.2	41.0	1.78	1.77	1.68
WASHINGTON.....	90.35	89.82	90.05	38.9	38.6	39.5	2.32	2.33	2.28
Seattle.....	87.18	86.16	86.26	37.7	37.6	38.9	2.31	2.29	2.22
Spokane.....	94.62	93.68	91.97	39.5	38.7	39.9	2.39	2.42	2.31
Tacoma.....	89.87	88.86	87.58	39.2	38.0	38.8	2.29	2.34	2.26
WEST VIRGINIA.....	81.90	82.32	80.39	39.0	39.2	39.6	2.10	2.10	2.03
Charleston.....	99.88	100.37	98.70	40.6	40.8	41.3	2.46	2.46	2.39
WISCONSIN.....	86.53	85.59	83.64	41.1	40.7	41.6	2.11	2.10	2.01
Kenosha.....	88.77	85.41	84.40	39.1	38.4	39.3	2.27	2.23	2.15
La Crosse.....	89.24	84.81	81.30	40.8	39.5	40.9	2.19	2.15	1.99
Madison.....	94.25	93.16	88.39	40.8	40.3	41.0	2.31	2.31	2.16
Milwaukee.....	95.24	93.94	91.97	40.7	40.3	41.1	2.34	2.33	2.24
Racine.....	88.24	88.49	82.14	39.6	39.8	39.2	2.23	2.22	2.10
WYOMING.....	92.16	93.03	87.91	38.4	40.1	39.6	2.40	2.32	2.22
Casper.....	115.42	105.34	107.06	40.5	39.6	40.4	2.85	2.66	2.65

1/ Not available.

2/ Subarea of New York-Northeastern New Jersey.

Explanatory Notes

INTRODUCTION

The statistics for nonfarm industries presented in this monthly report are part of the broad program of the Bureau of Labor Statistics to provide timely, comprehensive, accurate, and detailed information for the use of businessmen, government officials, legislators, labor unions, research workers, and the general public. The statistics are an integral part of the Federal statistical system, and are considered basic indicators of the state of the Nation's economy. They are widely used in following and interpreting business developments and in making decisions in such fields as labor-management negotiations, marketing, personnel, plant location, and government policy. In addition, Government agencies use the data in this report to compile official indexes of production, labor productivity, and national income.

ESTABLISHMENT REPORTS:

a. Collection

The employment statistics program, which is based on establishment payroll reports, provides current data for both full- and part-time workers on payrolls of nonagricultural establishments (see glossary for definition, p. 7-E) during a specified period each month. The BLS uses two "shuttle" schedules for this program, the BLS Form 790 (for employment, payroll, and man-hours data) and the Form 1219 (for labor turnover data). The shuttle schedule, used by BLS for more than 25 years, is designed to assist firms to report consistently, accurately, and with a minimum of cost. The questionnaire provides space for the establishment to report for each month of the current calendar year; in this way, the employer uses the same schedule for the entire year.

Under a cooperative arrangement with the BLS, State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the data to the BLS Division of Manpower and Employment Statistics for use in preparing the national series.

b. Industrial Classification

Establishments are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year. For manufacturing establishments, a product supplement to the monthly 790 report is used. The supplement provides for reporting the percentage of total sales represented by each product. Information for nonmanufacturing establishments is collected on the 790 form itself. In the case of an establishment making more than one product

or engaging in more than one activity, the entire employment of the unit is included under the industry indicated by the most important product or activity. The titles and descriptions of industries presented in the Standard Industrial Classification Manual, (U. S. Bureau of the Budget, Washington, D. C.) are used for classifying reports from manufacturing and government establishments; the 1942 Industrial Classification Code, (U. S. Social Security Board) for reports from all other establishments.

c. Coverage

Monthly reports on employment and, for most industries, payroll and man-hours are obtained from approximately 155,000 establishments. (See table below.) The table also shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Approximate size and coverage of BLS employment and payrolls sample ^{1/}

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

^{1/} Some firms do not report payroll and man-hour information. Therefore, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

Labor turnover reports are received from approximately 10,000 cooperating establishments in the manufacturing, mining, and communication industries (see table below). The definition of manufacturing used in the turnover series is not as extensive as in the BLS series on employment and hours and earnings because of the exclusion of the following major industries from the labor turnover sample: printing, publishing, and allied industries (since April 1943); canning and preserving fruits, vegetables, and sea foods; women's and misses' outerwear; and fertilizer.

Approximate size and coverage of
BLS labor turnover sample

Group and industry	Number of establishments in sample	Employees	
		Number in sample	Percent of total
Manufacturing.....	10,200	5,994,000	39
Durable goods.....	6,400	4,199,000	43
Nondurable goods....	3,800	1,795,000	32
Metal mining.....	120	57,000	53
Coal mining:			
Anthracite.....	20	6,000	19
Bituminous.....	200	71,000	32
Communication:			
Telephone.....	(1/)	661,000	88
Telegraph.....	(1/)	28,000	65

1/ Does not apply.

DEFINITIONS AND ESTIMATING METHODS:

A. EMPLOYMENT

Definition

Employment data for all except Federal Government establishments refer to persons who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. For Federal Government establishments current data generally refer to persons who worked on, or received pay for, the last day of the month.

Persons on an establishment payroll who are on paid sick leave, paid holiday, or paid vacation, or who work during a part of the specified pay period and are unemployed or on strike during the other part of the period are counted as employed. Persons are not considered employed who are laid off or are on leave without pay, who are on strike for the entire period, or who are hired but do not report to work during the period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households are also excluded. Government employment covers only civilian employees; Federal military personnel are shown separately, but their number is excluded from total nonagricultural employment.

With respect to employment in educational institutions (private and governmental), BLS considers regular full-time teachers to be employed during the summer vacation period whether or not they are specifically paid in those months.

Benchmark Data

Employment estimates are periodically compared with complete counts of employment in the various nonagri-

cultural industries, and appropriate adjustments made as indicated by the total counts or benchmarks. The comparison made for the first 3 months of 1956 resulted in changes amounting to 0.5 percent of all nonagricultural employment, as against 0.8 percent in the first quarter 1955 benchmark adjustment. Changes ranged from 0.1 to 2.1 percent for 6 of the 8 major industry divisions; for the other 2, service and miscellaneous industries required an adjustment of 3.4 percent, contract construction 4.3 percent. The manufacturing total was changed by only 0.1 percent. Within manufacturing the benchmark and estimate differed by 1.0 percent or less in 53 of the 132 individual industries, 39 industries were adjusted by 1.1 to 2.5 percent, and an additional 22 industries differed by 2.6 to 5.0 percent. One significant cause of differences between the benchmark and estimate is the change in industrial classification of individual firms, which cannot be reflected in BLS estimates until they are adjusted to new benchmarks. Other causes are sampling and response errors.

The basic sources of benchmark information are the quarterly tabulations of employment data, by industry, compiled by State agencies from reports of establishments covered under State unemployment insurance laws. Supplementary tabulations prepared by the U. S. Bureau of Old Age and Survivors Insurance are used for the group of establishments exempt from State unemployment insurance laws because of their small size. Benchmarks for industries wholly or partly excluded from the unemployment insurance laws are derived from a variety of other sources.

The BLS estimates which are prepared for the benchmark quarter are compared with the new benchmark levels, industry by industry. Where revisions are necessary, the monthly estimates are adjusted between the new benchmark and the preceding one. Following revision for these intermediate periods, the industry data from the most recent benchmark are projected to the current month by use of the sample trends. Under this procedure, the benchmark is used to establish the level of employment while the sample is used to measure the month-to-month changes in the level.

Estimating Method

The estimating procedure for industries for which data on both "all employees" and "production and related workers" are published (manufacturing and selected mining industries) is outlined below; the first step under this method is also used for industries for which only figures on "all employees" are published.

The first step is to compute total employment (all employees) in the industry for the month following the benchmark period. The all-employee total for the last benchmark month (e.g., March) is multiplied by the percent change of total employment over the month for the group of establishments reporting for both March and April. Thus, if firms in the BLS sample for an industry report 30,000 employees in March and 31,200 in April, April employment is 104 percent (31,200 divided by 30,000) of March employment. If the all-employee benchmark in March is 40,000, the all-employee total in April would be 104 percent of 40,000 or 41,600.

The second step is to compute the production-worker total for the industry. The all-employee total for the month is multiplied by the ratio of production

workers to all employees. This ratio is computed from establishment reports in the monthly sample. Thus, if these firms in April report 24,960 production workers and a total of 31,200 employees, the ratio of production workers to all employees would be .80 (24,960 divided by 31,200). The production-worker total in April would be 33,280 (41,600 multiplied by .80).

Figures for subsequent months are computed by carrying forward the totals for the previous month according to the method described above.

The number of women employees in manufacturing, published quarterly, is computed by multiplying the all-employee estimate for the industry by the ratio of women to all employees as reported in the industry sample.

Employment Adjusted for Seasonal Variation

Employment series for many industries reflect a regularly recurring seasonal movement which can be measured on the basis of past experience. By eliminating that part of the change in employment which can be ascribed to usual seasonal variation, it is possible to clarify the cyclical and other nonseasonal movements in the series. Adjusted employment aggregates are shown and also indexes (1947-49 = 100) derived from these aggregates. The indexes have the additional advantage of comparing the current seasonally adjusted employment level with average employment in the base period.

Comparability with Other Employment Estimates

Employment data published by other government and private agencies may differ from BLS employment statistics because of differences in definition, sources of information, methods of collection, classification, and estimation. BLS monthly figures are not directly comparable, for example, with the estimates of the Census Monthly Report on the Labor Force (MRLF). Census data are obtained by personal interviews with individual members of a small sample of households and are designed to provide information on the work status of the whole population, classified by their demographic characteristics. The BLS, on the other hand, obtains data by mail questionnaire which are based on the payroll records of business units, and prepares detailed statistics on the industrial and geographic distribution of employment and on hours of work and earnings.

Since BLS employment figures are derived from establishment payroll records, persons who worked in more than one establishment during the reporting period will be counted more than once in the BLS series. By definition, proprietors, self-employed persons, domestic servants, and unpaid family workers are excluded from the BLS but not the MRLF series.

Employment estimates compiled by the Bureau of the Census from its censuses and/or annual sample surveys of manufacturing establishments also differ from BLS employment statistics. Among the important reasons for lack of comparability are differences in industries covered, in the business units considered parts of an establishment, and in the industrial classification of establishments. Similar differences exist between the BLS data and those in County Business Patterns published jointly by the U.S. Department of Commerce and the U.S. Department of Health, Education and Welfare.

B. LABOR TURNOVER

Definition

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

Method of Computation

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

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

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

To compute turnover rates for broader industrial categories, the rates for the component industries are weighted by the estimated employment.

Separate turnover rates for men and women are published quarterly for 1 month in each quarter. Only accessions, quits, and total separations are published. These rates are computed in the same manner as the all-employee rates; for example, the quit rate for women is obtained from an industry sample by dividing the number of women who quit during the month by the number of women employees reported.

Average monthly turnover rates for the year for all employees are computed by dividing the sum of the monthly rates by 12.

Comparability with Earlier Data

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

in the computation of industry-group rates.

Comparability with Employment Series

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

- (1) Accessions and separations are computed for the entire calendar-month; the employment reports, for the most part, refer to a 1-week pay period ending nearest the 15th of the month.
- (2) The turnover sample excludes certain industries (see under coverage, p. 2-E).
- (3) Plants on strike are not included in the turnover computations beginning with the month the strike starts through the month the workers return; the influence of such stoppages is reflected, however, in the employment figures.

C. HOURS AND EARNINGS

Definitions of production workers, nonsupervisory employees, payrolls, and man-hours from which hours and earnings data are derived are included in the glossary, page 7-E. Methods used to compute hours and earnings averages are described in summary of methods for computing national statistics, page 6-E.

Gross Average Hourly and Weekly Earnings

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

Averages of hourly earnings differ from wage rates. Earnings refer to the actual return to the worker for a stated period of time; rates are the amounts stipulated for a given unit of work or time. However, the average earnings series does not measure the level of total labor costs on the part of the employer, since the following are excluded: irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker or nonsupervisory-employee definitions.

Gross average weekly earnings are affected not only by changes in gross average hourly earnings, but also by changes in the length of the workweek, part-time work, stoppages for varying causes, labor turnover, and absenteeism.

Average Weekly Hours

The workweek information relates to average hours worked or paid for, and is somewhat different from standard or scheduled hours. Normally, such factors

as absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishments. Group averages further reflect changes in the workweek of component industries.

Average Overtime Hours

The overtime hours represent that portion of the gross average weekly hours which were in excess of regular hours and for which premium payments were made. If an employee works on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, the gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends on the industry-group level may also be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Gross Average Weekly Earnings in Current and 1947-49 Dollars

These series indicate changes in the level of weekly earnings before and after adjustment for changes in purchasing power as determined from the BLS Consumer Price Index.

Net Spendable Average Weekly Earnings

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

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

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

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

Average hourly earnings, excluding premium overtime pay, are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker man-hours and one-half of total overtime man-hours. Prior to January 1956, data were based on the application of adjustment factors to gross average hourly earnings (as described in the Monthly Labor Review, May 1950, pp. 537-540; reprint available, Serial No. R. 2020). Both methods eliminate only the earnings due to overtime paid for at one and one-half times the straight-time rates. No adjustment is made for other premium payment provisions, for example—holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Man-Hours

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

The aggregate man-hours are defined as total man-hours for which pay was received by full- and part-time production or construction workers, including hours paid for holidays, sick leave, and vacations taken. The man-hours are for 1 week of the pay period ending nearest the 15th of the month, and may not be typical of the entire month.

Railroad Hours and Earnings

The figures for Class I railroads (excluding switching and terminal companies) are based upon month-

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

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings statistics are collected and prepared by State agencies in cooperation with the BLS. These statistics are based on the same establishment reports used by the BLS for preparing national estimates. State employment series are adjusted to benchmark data from State unemployment insurance agencies and the Bureau of Old Age and Survivors Insurance. Because some States have more recent benchmarks than others and use slightly varying methods of computation, the sum of the State figures may differ slightly from the official U. S. totals prepared by the BLS.

Additional industry detail may be obtainable from the cooperating State agencies listed on the inside back cover of this report.

NOTE: Additional information concerning the preparation of the employment, hours, earnings, and labor turnover series---concepts and scope, survey methods, and reliability and limitations---is contained in technical notes for each of these series, available from BLS free of charge. For all of this information as well as similar material for other BLS statistics, see Techniques of Preparing Major BLS Statistical Series, BLS Bull. 1168, December 1954. Copies are on file in many public and university libraries, or may be ordered from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. at 65 cents each.

SUMMARY OF METHODS FOR COMPUTING NATIONAL STATISTICS

EMPLOYMENT, HOURS, AND EARNINGS

Item	Individual manufacturing and nonmanufacturing industries	Total nonagricultural divisions, major groups, and groups
MONTHLY DATA		
<u>All employees</u>	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month for sample establishments which reported for both months.	Sum of all-employee estimates for component industries.
<u>Production workers</u>	All-employee estimate for current month multiplied by ratio of production workers to all employees in sample establishments for current month.	Sum of production-worker estimates for component industries.
<u>Average weekly hours</u>	Total production or nonsupervisory man-hours divided by number of production or nonsupervisory workers.	Average, weighted by employment, of the average weekly hours for component industries.
<u>Average hourly earnings</u>	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker man-hours.	Average, weighted by aggregate man-hours, of the average hourly earnings for component industries.
<u>Average weekly earnings</u>	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
ANNUAL AVERAGE DATA		
<u>All employees and production workers</u>	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
<u>Average weekly hours</u>	Annual total of aggregate man-hours (employment multiplied by average weekly hours) divided by annual sum of employment.	Average, weighted by employment, of the annual averages of weekly hours for component industries.
<u>Average hourly earnings</u>	Annual total of aggregate payrolls (weekly earnings multiplied by employment) divided by annual aggregate man-hours.	Average, weighted by aggregate man-hours, of the annual averages of hourly earnings for component industries.
<u>Average weekly earnings</u>	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

GLOSSARY

ALL EMPLOYEES - The total number of persons on establishment payrolls who worked full- or part-time or received pay for any part of the pay period ending nearest the 15th of the month. Includes salaried officers of corporations as well as employees on the establishment payroll engaged in new construction and major additions or alterations to the plant who are utilized as a separate work force (force-account construction workers). Proprietors, self-employed persons, domestic servants, unpaid family workers, and members of the Armed Forces are excluded.

CONSTRUCTION WORKERS - Includes working foremen, journeymen, mechanics, apprentices, helpers, laborers, and similar workers engaged in new work, alterations, demolition, and other actual construction work, at the site of construction or working in shop or yard at jobs (such as precutting and pre-assembling) ordinarily performed by members of the construction trades; includes all such workers regardless of skill, engaged in any way in contract construction activities.

CONTRACT CONSTRUCTION - Covers only firms engaged in the construction business on a contract basis for others. Force-account construction workers, i.e., hired directly by and on the payroll of Federal, State, and local government, public utilities, and private establishments, are excluded from contract construction and included in the employment for such establishments.

DURABLE GOODS - The durable-goods subdivision includes the following major manufacturing industry groups: ordnance and accessories; lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products; machinery; electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries as defined. This definition is consistent with that used by other Federal agencies, e.g., Federal Reserve Board.

ESTABLISHMENT - "A single physical location where business is conducted or where services or industrial operations are performed; for example, a factory, mill, store, mine, or farm. Where a single physical location comprises two or more units which maintain separate payroll and inventory records and which are engaged in distinct or separate activities for which different industry classifications are provided in the Standard Industrial Classification, each unit shall be treated as a separate establishment. An establishment is not necessarily identical with the business concern or firm which may consist of one or more establishments. It is also to be distinguished from organizational subunits, departments, or divisions within an establishment." (Standard Industrial Classification Manual, U. S. Bureau of the Budget, Vol. I, Part I, p. 1, November 1945.)

FINANCE, INSURANCE, AND REAL ESTATE - Covers private establishments operating in the fields of finance (banks, security dealers, loan agencies, holding companies, and other finance agencies); insurance (insurance carriers and independent agents and brokers); and real estate (real estate owners, including

speculative builders, subdividers, and developers; and agents and brokers).

GOVERNMENT - Covers Federal, State, and local government establishments performing legislative, executive, and judicial functions, including Government corporations, Government force-account construction, and such units as arsenals, navy yards, and hospitals. Federal government employment excludes employees of the Central Intelligence Agency. State and local government employment includes teachers, but excludes, as nominal employees, paid volunteer firemen and elected officials of small local units.

LABOR TURNOVER:

Separations are terminations of employment during the calendar month and are classified according to cause: quits, discharges, layoffs, and miscellaneous separations (including military), as defined below.

Quits are terminations of employment during the calendar month initiated by employees for such reasons as: acceptance of a job in another company, dissatisfaction, return to school, marriage, maternity, ill health, or voluntary retirement where no company pension is provided. Failure to report after being hired and unauthorized absences of more than 7 consecutive calendar days are also classified as quits. Prior to 1940, miscellaneous separations were also included in this category.

Discharges are terminations of employment during the calendar month initiated by the employer for such reasons as employees' incompetence, violation of rules, dishonesty, insubordination, laziness, habitual absenteeism, or inability to meet physical standards.

Layoffs are terminations of employment during the calendar month lasting or expected to last more than 7 consecutive calendar days without pay, initiated by the employer without prejudice to the worker, for such reasons as lack of orders or materials, release of temporary help, conversion of plant, introduction of labor-saving machinery or processes, or suspensions of operations without pay during inventory periods.

Miscellaneous separations (including military) are terminations of employment during the calendar month because of permanent disability, death, retirement on company pension, and entrance into the Armed Forces expected to last more than 30 consecutive calendar days. Prior to 1940, miscellaneous separations were included with quits. Beginning September 1940, military separations were included here.

Persons on leave of absence (paid or unpaid) with the approval of the employer are not counted as separations until such time as it is definitely determined that such persons will not return to work. At that time, a separation is reported as one of the above types, depending on the circumstances.

Accessions are the total number of permanent and temporary additions to the employment roll during the calendar month, including both new and rehired employees. Persons returning to work after a layoff, military separations, or other absences who have been counted as separations are considered accessions.

MAN-HOURS - Covers man-hours worked or paid for of specified groups of workers, during the pay period ending nearest the 15th of the month. The specified group of workers in manufacturing and mining industries, laundries, and cleaning and dyeing plants is production and related workers; in the contract construction industry, it is construction workers; and in the other industries, it is nonsupervisory employees. The man-hours include hours paid for holidays, sick leave, and vacations taken; if the employee elects to work during a vacation period, the vacation pay and the hours it represents are omitted.

MANUFACTURING - Covers private establishments engaged in the mechanical or chemical transformation of inorganic or organic substances into new products and usually described as plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment. Establishments engaged in assembling component parts of manufactured products are also considered manufacturing if the new product is neither a structure nor other fixed improvement. Government manufacturing operations such as arsenals and navy yards are excluded from manufacturing and are included under Government.

MINING - Covers establishments engaged in the extraction from the earth of organic and inorganic minerals which occur in nature as solids, liquids, or gases; includes various contract services required in mining operations, such as removal of overburden, tunneling and shafting, and the drilling or acidizing of oil wells; also includes ore dressing, beneficiating, and concentration.

NONDURABLE GOODS - The nondurable-goods subdivision includes the following major manufacturing industry groups: food and kindred products; tobacco manufactures; textile-mill products; apparel and other finished textile products; paper and allied products; printing, publishing, and allied industries; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products. This definition is consistent with that used by other Federal agencies, e.g., Federal Reserve Board.

NONSUPERVISORY EMPLOYEES - Includes employees (not above the working supervisory level) such as office and clerical workers, repairmen, salespersons, operators, drivers, attendants, service employees, linemen, laborers, janitors, watchmen, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

OVERTIME HOURS - Covers premium overtime hours of production and related workers during the pay period ending nearest the 15th of the month. Overtime hours are those for which premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or workweek. Weekend and holiday hours are included only if premium wage rates were paid. Hours for which only shift differential, hazard, incentive or other similar types of premiums were paid are excluded.

PAYROLL - The weekly payroll for the specified groups

of full- and part-time employees who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. The specified group of employees in the manufacturing and mining industries, laundries, and cleaning and dyeing plants is production and related workers; in the contract construction industry, it is construction workers; and in the other industries, it is nonsupervisory employees and working supervisors. The payroll is reported before deductions for old-age and unemployment insurance, group insurance, withholding tax, bonds, and union dues; also includes pay for sick leave, holidays, and vacations taken. Excludes cash payments for vacations not taken, retroactive pay not earned during period reported, value of payments in kind, and bonuses, unless earned and paid regularly each pay period.

PRODUCTION AND RELATED WORKERS - Includes working foremen and all nonsupervisory workers (including lead men and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial, watchman services, products development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

REGIONS:

North - Includes all States except the 17 listed as South.

South - Includes the following 17 States: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

(In the case of sawmills and planing mills, general, a third region is identified - the West - and includes California, Oregon, and Washington.)

SERVICE AND MISCELLANEOUS - Covers establishments primarily engaged in rendering services to individuals and business firms, including automotive repair services. Excludes domestic service workers. 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 service incidental to the sales of goods. Similar Government establishments are included under Government.

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