



EMPLOYMENT and EARNINGS

Vol. 10 No. 11

May 1964

UNITED STATES DEPARTMENT OF LABOR
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NEW LABOR TURNOVER SERIES

Manufacturing labor turnover rates are shown for the first time in table D-5 for the following:

Michigan
Detroit, Grand Rapids, Lansing, Muskegon-Muskegon Heights, and Saginaw

Ohio
Akron, Canton, Cincinnati, Cleveland, Columbus, Dayton, Toledo, and Youngstown-Warren

Six Wisconsin Areas
Green Bay, Kenosha, La Crosse, Madison, Milwaukee, and Racine

Utah

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402
Subscription price: \$3.50 a year; \$1.50 additional for foreign mailing. Price 45 cents a copy. (Annual Supplement Issue: \$1.00).

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^{1/} Quarterly data included in February, May, August, and November issues.

CAUTION

Periodically, the Bureau adjusts the industry employment series to a recent benchmark to improve their accuracy. These adjustments may also affect the hours and earnings series because employment levels are used as weights. All industry statistics after March 1962, the present benchmark date, are therefore subject to revision.

Beginning with September 1963 and subsequent issues of Employment and Earnings, data in tables B-1 through B-6, C-1 through C-7, and D-1 through D-4 are based on March 1962 benchmarks. Therefore, issues of Employment and Earnings prior to September 1963 cannot be used in conjunction with national industry data now shown in sections B, C, and D. Comparable data for prior periods are published in Employment and Earnings Statistics for the United States, 1909-62, BLS Bulletin 1312-1, which may be purchased from the Superintendent of Documents for \$3.50. For an individual industry, earlier data may be obtained upon request to the Bureau.

When industry data are again adjusted to new benchmarks another edition of Employment and Earnings Statistics for the United States will be issued containing the revised data extending from April 1962 forward to a current date, as well as the prior historical statistics.

Table A-1: Employment status of the noninstitutional population 14 years and over, 1929 to date

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed ¹			Unemployed ¹			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
1929.....	(2)	49,440	(2)	49,180	47,630	10,450	37,180	1,550	3.2	-	(2)
1930.....	(2)	50,080	(2)	49,820	45,480	10,340	35,140	4,340	8.7	-	(2)
1931.....	(2)	50,680	(2)	50,420	42,400	10,290	32,110	8,020	15.9	-	(2)
1932.....	(2)	51,250	(2)	51,000	38,940	10,170	28,770	12,060	23.6	-	(2)
1933.....	(2)	51,840	(2)	51,590	38,760	10,090	28,670	12,830	24.9	-	(2)
1934.....	(2)	52,490	(2)	52,230	40,890	9,900	30,990	11,340	21.7	-	(2)
1935.....	(2)	53,140	(2)	52,870	42,260	10,110	32,150	10,610	20.1	-	(2)
1936.....	(2)	53,740	(2)	53,440	44,410	10,000	34,410	9,030	16.9	-	(2)
1937.....	(2)	54,320	(2)	54,000	46,300	9,820	36,480	7,700	14.3	-	(2)
1938.....	(2)	54,950	(2)	54,610	44,220	9,690	34,530	10,390	19.0	-	(2)
1939.....	(2)	55,600	(2)	55,230	45,750	9,610	36,140	9,480	17.2	-	(2)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
1948.....	108,632	62,898	57.9	61,442	59,117	7,960	51,156	2,325	3.8	-	45,733
1949.....	109,773	63,721	58.0	62,105	58,423	8,017	50,406	3,682	5.9	-	46,051
1950.....	110,929	64,749	58.4	63,099	59,748	7,497	52,251	3,351	5.3	-	46,181
1951.....	112,075	65,983	58.9	62,884	60,784	7,048	53,736	2,099	3.3	-	46,092
1952.....	113,270	66,560	58.8	62,966	61,035	6,792	54,243	1,932	3.1	-	46,710
1953 ³	115,094	67,362	58.5	63,815	61,945	6,555	55,390	1,870	2.9	-	47,732
1954.....	116,219	67,818	58.4	64,468	60,890	6,495	54,395	3,578	5.6	-	48,401
1955.....	117,388	68,896	58.7	65,848	62,944	6,718	56,225	2,904	4.4	-	48,492
1956.....	118,734	70,387	59.3	67,530	64,708	6,572	58,135	2,822	4.2	-	48,348
1957.....	120,445	70,744	58.7	67,946	65,011	6,222	58,789	2,936	4.3	-	49,699
1958.....	121,950	71,284	58.5	68,647	63,966	5,844	58,122	4,681	6.8	-	50,666
1959.....	123,366	71,946	58.3	69,394	65,581	5,836	59,745	3,813	5.5	-	51,420
1960 ⁴	125,368	73,126	58.3	70,612	66,681	5,723	60,958	3,931	5.6	-	52,242
1961.....	127,832	74,175	58.0	71,603	66,796	5,463	61,333	4,806	6.7	-	53,677
1962 ⁵	130,081	74,681	57.4	71,854	67,846	5,190	62,657	4,007	5.6	-	55,400
1963.....	132,124	75,712	57.3	72,975	68,809	4,946	63,863	4,166	5.7	-	56,412
1963: April.....	131,739	74,897	56.9	72,161	68,097	4,673	63,424	4,063	5.6	5.7	56,843
May.....	131,865	75,864	57.5	73,127	69,061	5,178	63,883	4,066	5.6	5.9	56,001
June.....	132,036	77,901	59.0	75,165	70,319	5,954	64,365	4,846	6.4	5.7	54,135
July.....	132,196	77,917	58.9	75,173	70,851	5,969	64,882	4,322	5.7	5.6	54,279
August.....	132,345	77,167	58.3	74,418	70,561	5,496	65,065	3,857	5.2	5.5	55,178
September.....	132,497	75,811	57.2	73,062	69,546	5,326	64,220	3,516	4.8	5.5	56,686
October.....	132,682	76,086	57.3	73,344	69,891	5,350	64,541	3,453	4.7	5.6	56,596
November.....	132,853	76,000	57.2	73,261	69,325	4,777	64,548	3,936	5.4	5.9	56,852
December.....	133,025	75,201	56.5	72,461	68,615	4,039	64,576	3,846	5.3	5.5	57,824
1964: January.....	133,200	74,514	55.9	71,793	67,228	3,993	63,234	4,565	6.4	5.6	58,685
February.....	133,358	75,259	56.4	72,527	68,002	3,931	64,071	4,524	6.2	5.4	58,099
March.....	133,519	75,553	56.6	72,810	68,517	4,017	64,500	4,293	5.9	5.4	57,965
April.....	133,678	76,544	57.3	73,799	69,877	4,429	65,448	3,921	5.3	5.4	57,135

¹Data for 1947-56 adjusted to reflect changes in the definition of employment and unemployment adopted in January 1957. Two groups averaging about one-quarter million workers which were formerly classified as employed (with a job but not at work)—those on temporary layoff and those waiting to start new wage and salary jobs within 30 days—were assigned to different classifications, mostly to the unemployed. Data by sex, shown in table A-2, were adjusted for the years 1948-56.

²Not available.

³Beginning 1953, labor force and employment figures are not strictly comparable with previous years as a result of the introduction of material from the 1950 Census into the estimating procedure. Population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for total and males. Other categories were relatively unaffected.

⁴Data include Alaska and Hawaii beginning 1960 and are therefore not strictly comparable with previous years. This inclusion has resulted in an increase of about half a million in the noninstitutional population 14 years of age and over, and about 300,000 in the labor force, four-fifths of this in nonagricultural employment. The levels of other labor force categories were not appreciably changed.

⁵Figures for periods prior to April 1962 are not strictly comparable with current data because of the introduction of 1960 Census data into the estimation procedure. The change primarily affected the labor force and employment totals, which were reduced by about 200,000. The unemployment totals were virtually unchanged.

HOUSEHOLD DATA

Table A-2: Employment status of the noninstitutional population 14 years and over, by sex, 1940, 1944, and 1947 to date

(In thousands)

Sex, year, and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed ¹			Unemployed ¹			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
						Not seasonally adjusted		Seasonally adjusted			
MALE											
1940.....	50,080	42,020	83.9	41,480	35,550	8,450	27,100	5,930	14.3	-	8,060
1944.....	51,980	46,670	89.8	43,460	35,110	7,020	28,090	350	1.0	-	5,310
1947.....	53,085	44,844	84.5	43,272	41,677	6,953	34,725	1,595	3.7	-	8,242
1948.....	53,513	45,300	84.7	43,858	42,268	6,623	35,645	1,590	3.6	-	8,213
1949.....	54,028	45,674	84.5	44,075	41,473	6,629	34,844	2,602	5.9	-	8,354
1950.....	54,526	46,069	84.5	44,442	42,162	6,271	35,891	2,280	5.1	-	8,457
1951.....	54,996	46,674	84.9	43,612	42,362	5,791	36,571	1,250	2.9	-	8,322
1952.....	55,503	47,001	84.7	43,454	42,237	5,623	36,614	1,217	2.8	-	8,502
1953 ²	56,534	47,692	84.4	44,194	42,966	5,496	37,470	1,228	2.8	-	8,840
1954.....	57,016	47,847	83.9	44,537	42,165	5,429	36,736	2,372	5.3	-	9,169
1955.....	57,484	48,054	83.6	45,041	43,152	5,479	37,673	1,889	4.2	-	9,465
1956.....	58,044	48,579	83.7	45,756	43,999	5,268	38,731	1,757	3.8	-	9,430
1957.....	58,813	48,649	82.7	45,882	43,990	5,037	38,952	1,893	4.1	-	10,164
1958.....	59,478	48,802	82.1	46,197	43,042	4,802	38,240	3,155	6.8	-	10,677
1959.....	60,100	49,081	81.7	46,562	44,089	4,749	39,340	2,473	5.3	-	11,019
1960 ³	61,000	49,507	81.2	47,025	44,485	4,678	39,807	2,541	5.4	-	11,493
1961.....	62,147	49,918	80.3	47,378	44,318	4,508	39,811	3,060	6.5	-	12,229
1962 ⁴	63,234	50,175	79.3	47,380	44,892	4,266	40,626	2,488	5.3	-	13,059
1963.....	64,163	50,573	78.8	47,867	45,330	4,021	41,309	2,537	5.3	-	13,590
1963: April.....	63,991	50,010	78.2	47,306	47,706	3,945	40,762	2,600	5.5	5.3	13,980
May.....	64,053	50,483	78.8	47,778	45,345	4,140	41,205	2,434	5.1	5.5	13,570
June.....	64,130	52,204	81.4	49,500	46,722	4,644	42,078	2,779	5.6	5.2	11,926
July.....	64,197	52,477	81.7	49,765	47,219	4,711	42,538	2,516	5.1	5.2	11,721
August.....	64,259	52,060	81.0	49,342	47,118	4,385	42,733	2,224	4.5	5.0	12,199
September.....	64,322	50,602	78.7	47,884	45,983	4,103	41,880	1,902	4.0	5.0	13,719
October.....	64,407	50,368	78.2	47,657	45,784	4,139	41,644	1,874	3.9	5.0	14,039
November.....	64,484	50,285	78.0	47,577	45,324	3,836	41,488	2,253	4.7	5.5	14,199
December.....	64,562	49,924	77.3	47,215	44,739	3,445	41,294	2,477	5.2	5.1	14,637
1964: January.....	64,639	49,731	76.9	47,041	44,160	3,474	40,686	2,881	6.1	5.1	14,908
February.....	64,709	49,956	77.2	47,255	44,429	3,400	41,029	2,826	6.0	4.8	14,753
March.....	64,781	50,123	77.4	47,411	44,730	3,432	41,299	2,681	5.7	4.8	14,658
April.....	64,851	50,665	78.1	47,951	45,607	3,716	41,891	2,345	4.9	4.8	14,186
FEMALE											
1940.....	50,300	14,160	28.2	14,160	11,970	1,090	10,880	2,190	15.5	-	36,140
1944.....	52,650	19,370	36.8	19,170	18,850	1,930	16,920	320	1.7	-	33,280
1947.....	54,523	16,915	31.0	16,896	16,349	1,314	15,036	547	3.2	-	37,608
1948.....	55,118	17,599	31.9	17,583	16,848	1,338	15,510	735	4.1	-	37,520
1949.....	55,745	18,048	32.4	18,030	16,947	1,386	15,561	1,083	6.0	-	37,697
1950.....	56,404	18,680	33.1	18,657	17,584	1,226	16,358	1,073	5.8	-	37,724
1951.....	57,078	19,309	33.8	19,272	18,421	1,257	17,164	851	4.4	-	37,770
1952.....	57,766	19,558	33.9	19,513	18,798	1,170	17,628	715	3.7	-	38,208
1953 ²	58,561	19,668	33.6	19,621	18,979	1,061	17,918	642	3.3	-	38,893
1954.....	59,203	19,971	33.7	19,931	18,724	1,067	17,657	1,207	6.1	-	39,232
1955.....	59,904	20,842	34.8	20,806	19,790	1,239	18,551	1,016	4.9	-	39,062
1956.....	60,690	21,808	35.9	21,774	20,707	1,306	19,401	1,067	4.9	-	38,883
1957.....	61,632	22,097	35.9	22,064	21,021	1,184	19,837	1,043	4.7	-	39,535
1958.....	62,472	22,482	36.0	22,451	20,924	1,042	19,882	1,526	6.8	-	39,990
1959.....	63,265	22,865	36.1	22,832	21,492	1,087	20,405	1,340	5.9	-	40,401
1960 ³	64,368	23,619	36.7	23,587	22,196	1,045	21,151	1,390	5.9	-	40,749
1961.....	65,705	24,257	36.9	24,225	22,478	955	21,523	1,747	7.2	-	41,448
1962 ⁴	66,848	24,507	36.7	24,474	22,954	924	22,031	1,519	6.2	-	42,341
1963.....	67,962	25,141	37.0	25,109	23,479	925	22,554	1,629	6.5	-	42,822
1963: April.....	67,749	24,886	36.7	24,854	23,391	728	22,663	1,463	5.9	6.3	42,863
May.....	67,812	25,381	37.4	25,349	23,717	1,038	22,679	1,632	6.4	6.6	42,431
June.....	67,906	25,697	37.8	25,665	23,598	1,310	22,287	2,067	8.1	6.5	42,209
July.....	67,999	25,440	37.4	25,408	23,602	1,258	22,344	1,806	7.1	6.4	42,559
August.....	68,087	25,108	36.9	25,076	23,443	1,111	22,332	1,633	6.5	6.6	42,979
September.....	68,175	25,209	37.0	25,178	23,563	1,223	22,340	1,615	6.4	6.6	42,967
October.....	68,275	25,718	37.7	25,687	24,107	1,210	22,897	1,580	6.2	6.8	42,557
November.....	68,368	25,715	37.6	25,684	24,001	940	23,061	1,682	6.6	6.8	42,654
December.....	68,463	25,277	36.9	25,246	23,877	594	23,282	1,369	5.4	6.3	43,186
1964: January.....	68,560	24,783	36.1	24,752	23,068	520	22,548	1,684	6.8	6.5	43,777
February.....	68,649	25,302	36.9	25,271	23,573	531	23,042	1,698	6.7	6.5	43,346
March.....	68,738	25,430	37.0	25,399	23,786	585	23,201	1,613	6.3	6.4	43,308
April.....	68,827	25,878	37.6	25,847	24,271	713	23,557	1,577	6.1	6.5	42,949

¹See footnote 1, table A-1. ²See footnote 3, table A-1. ³See footnote 4, table A-1. ⁴See footnote 5, table A-1.

Table A-3: Employment status of the noninstitutional population 14 years and over, by sex

Employment status	(In thousands)								
	Total			Male			Female		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	133,678	133,519	131,739	64,851	64,781	63,991	68,827	68,738	67,749
Total labor force	76,544	75,553	74,897	50,665	50,123	50,010	25,878	25,430	24,886
Civilian labor force	73,799	72,810	72,161	47,951	47,411	47,306	25,847	25,399	24,854
Employed	69,877	68,517	68,097	45,607	44,730	44,706	24,271	23,786	23,391
Agriculture	4,429	4,017	4,673	3,716	3,432	3,945	713	585	728
Nonagricultural industries	65,448	64,500	63,424	41,891	41,299	40,762	23,557	23,201	22,663
Unemployed	3,921	4,293	4,063	2,345	2,681	2,600	1,577	1,613	1,463
Looking for full-time work	3,303	3,596	3,534	2,008	2,294	2,316	1,295	1,302	1,218
Looking for part-time work	619	697	529	337	387	284	282	310	245
Not in labor force	57,135	57,965	56,843	14,186	14,658	13,980	42,949	43,308	42,863

Table A-4: Unemployed persons, by age and sex

Age and sex	Thousands of persons			Unemployment rate			Percent distribution		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	3,921	4,293	4,063	5.3	5.9	5.6	100.0	100.0	100.0
Male	2,345	2,681	2,600	4.9	5.7	5.5	59.8	62.5	64.0
14 to 19 years	559	533	535	16.3	16.7	16.3	14.2	12.4	13.2
14 and 15 years	69	58	55	10.4	10.2	8.9	1.8	1.4	1.4
16 to 19 years	490	475	480	17.7	18.2	18.0	12.5	11.1	11.8
20 to 24 years	358	422	397	7.8	9.4	9.0	9.1	9.8	9.8
25 to 34 years	337	426	457	3.4	4.3	4.6	8.6	9.9	11.2
35 to 44 years	358	442	396	3.2	4.0	3.5	9.1	10.3	9.7
45 to 54 years	357	417	398	3.6	4.2	4.1	9.1	9.7	9.8
55 to 64 years	275	325	310	4.1	4.9	4.6	7.0	7.6	7.6
65 years and over	101	116	109	4.6	5.5	5.2	2.6	2.7	2.7
Female	1,577	1,613	1,463	6.1	6.3	5.9	40.2	37.5	36.0
14 to 19 years	363	291	316	15.5	12.5	14.0	9.3	6.8	7.8
14 and 15 years	22	11	16	6.2	3.3	5.0	.6	.3	.4
16 to 19 years	341	280	300	17.2	14.0	15.5	8.7	6.5	7.4
20 to 24 years	273	305	225	8.5	9.6	7.9	7.0	7.1	5.5
25 to 34 years	257	293	245	6.0	7.0	5.8	6.6	6.8	6.0
35 to 44 years	291	301	288	5.1	5.4	5.1	7.4	7.0	7.1
45 to 54 years	232	227	242	4.1	4.0	4.3	5.9	5.3	6.0
55 to 64 years	128	173	129	3.6	5.0	3.8	3.3	4.0	3.2
65 years and over	34	22	18	3.3	2.2	2.0	.9	.5	.4

Table A-5: Unemployed persons, by industry of last job

Industry	Unemployment rate			Percent distribution		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	5.3	5.9	5.6	100.0	100.0	100.0
Experienced wage and salary workers	5.1	5.9	5.5	82.8	85.2	82.7
Agriculture	10.9	14.6	8.4	4.1	4.7	3.2
Nonagricultural industries	5.0	5.7	5.4	78.6	80.5	79.5
Mining, forestry, fisheries	7.5	9.1	8.6	1.2	1.4	1.4
Construction	10.5	13.6	13.6	10.5	12.2	13.2
Manufacturing	5.1	5.7	5.7	24.8	25.3	26.0
Durable goods	4.8	5.7	5.5	13.2	14.4	14.3
Nondurable goods	5.6	5.8	6.0	11.6	11.0	11.7
Transportation and public utilities	3.4	4.4	3.7	3.9	4.8	4.0
Wholesale and retail trade	6.4	6.9	5.8	18.4	17.7	16.0
Finance, insurance, and real estate	2.5	2.9	2.8	2.0	2.1	1.9
Service industries	3.9	4.1	4.1	15.4	14.3	14.5
Public administration	2.4	3.1	2.7	2.4	2.8	2.4
Self-employed and unpaid family workers .....	.9	1.5	1.4	2.4	3.4	3.4
No previous work experience	-	-	-	14.8	11.4	13.9
14 to 19 years	-	-	-	11.4	8.6	10.0
20 years and over	-	-	-	3.4	2.9	3.9

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Table A-6: Unemployed persons, by occupation of last job

Occupation	Unemployment rate			Percent distribution		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	5.3	5.9	5.6	100.0	100.0	100.0
White-collar workers	2.7	2.8	2.8	21.8	20.9	21.4
Professional and technical	1.6	1.5	1.7	3.6	3.1	3.6
Managers, officials, and proprietors	1.1	1.8	1.7	2.1	3.2	3.0
Clerical workers	4.0	4.3	3.7	11.4	11.2	9.6
Sales workers	4.1	3.3	4.6	4.7	3.4	5.2
Blue-collar workers	6.6	8.0	7.5	45.1	49.1	49.0
Craftsmen and foremen	4.5	5.7	5.0	10.4	11.9	11.4
Operatives	6.9	7.6	7.7	24.1	24.2	25.3
Nonfarm laborers	10.3	14.8	12.9	10.6	13.0	12.4
Service workers	5.8	6.4	5.5	14.9	14.6	12.9
Private household workers	4.4	4.8	4.9	2.8	2.7	2.9
Other service workers	6.3	6.9	5.6	12.1	11.8	10.0
Farm workers	3.2	4.4	2.6	3.4	4.1	2.8
Farmers and farm managers . . . . .	.2	.3	.7	.1	.1	.4
Farm laborers and foremen	6.7	9.9	4.8	3.3	3.9	2.4
No previous work experience	-	-	-	14.8	11.4	13.9

Table A-7: Unemployed persons, by color, marital status, and household relationship

Characteristics	Thousands of persons			Unemployment rate			Percent distribution		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
COLOR									
Total	3,921	4,293	4,063	5.3	5.9	5.6	100.0	100.0	100.0
White, total	3,147	3,464	3,261	4.8	5.3	5.1	80.2	80.7	80.3
Male	1,909	2,210	2,123	4.4	5.2	5.0	48.7	51.5	52.3
Female	1,238	1,253	1,138	5.5	5.6	5.3	31.6	29.2	28.0
Nonwhite, total	775	830	802	9.6	10.4	10.1	19.8	19.3	19.7
Male	436	470	477	9.1	9.9	10.0	11.1	11.0	11.7
Female	339	359	325	10.3	11.2	10.2	8.6	8.4	8.0
MARITAL STATUS									
Total	3,921	4,293	4,063	5.3	5.9	5.6	100.0	100.0	100.0
Male	2,345	2,681	2,600	4.9	5.7	5.5	59.8	62.5	64.0
Married, wife present	1,094	1,339	1,295	3.0	3.6	3.5	27.9	31.2	31.9
Single	994	1,065	1,045	11.9	13.2	12.7	25.4	24.8	25.7
14 to 19 years	543	516	521	16.6	17.1	16.7	13.8	12.0	12.8
20 years and over	451	549	524	8.8	10.9	10.3	11.5	12.8	12.9
Other marital status	256	277	260	10.2	10.9	10.3	6.5	6.5	6.4
Female	1,577	1,613	1,463	6.1	6.3	5.9	40.2	37.5	36.0
Married, husband present	738	807	681	5.1	5.6	4.9	18.8	18.8	16.8
Single	479	423	438	8.1	7.2	7.7	12.2	9.9	10.8
14 to 19 years	314	248	273	15.3	12.3	14.1	8.0	5.8	6.7
20 years and over	164	175	166	4.2	4.6	4.5	4.2	4.1	4.1
Other marital status	361	382	345	6.8	7.4	6.5	9.2	8.9	8.5
HOUSEHOLD RELATIONSHIP									
Total	3,921	4,293	4,063	5.3	5.9	5.6	100.0	100.0	100.0
Household head	1,522	1,814	1,725	3.4	4.1	3.9	38.8	42.2	42.5
Living with relatives	1,242	1,461	1,441	3.1	3.7	3.6	31.7	34.0	35.5
Not living with relatives	280	352	284	5.5	7.4	6.2	7.1	8.2	7.0
Wife of head	711	780	666	5.0	5.5	4.9	18.1	18.2	16.4
Other relative of head	1,591	1,585	1,563	12.1	12.4	12.3	40.6	36.9	38.5
Non-relative of head	97	114	109	6.8	6.7	6.8	2.5	2.7	2.7

Table A-8: Unemployed persons, by duration of unemployment

Duration of unemployment	Thousands of persons			Percent distribution			Category	Thousands of persons			Percent distribution		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963		Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	3,921	4,293	4,063	100.0	100.0	100.0	Total	3,921	4,293	4,063	100.0	100.0	100.0
Less than 5 weeks	1,660	1,620	1,597	42.3	37.7	39.3	Persons on temporary layoff	106	90	120	2.7	2.1	3.0
5 to 14 weeks	1,025	1,351	1,043	26.2	31.5	25.7		Persons scheduled to begin new jobs within 30 days	125	108	141	3.2	2.5	3.5
5 and 6 weeks	287	296	270	7.3	6.9	6.6	All other unemployed ...		3,690	4,095	3,802	94.1	95.4	93.6
7 to 10 weeks	418	511	402	10.7	11.9	9.9							
11 to 14 weeks	321	544	371	8.2	12.7	9.1							
15 weeks and over	1,237	1,322	1,424	31.5	30.8	35.0							
15 to 26 weeks	693	742	743	17.7	17.3	18.3							
27 weeks and over	543	581	681	13.8	13.5	16.8							
Average (mean) duration...	14.2	15.0	16.6	-	-	-							

Table A-9: Long-term unemployed, by industry and occupation of last job

Characteristics	Unemployed 15 weeks and over				Unemployed 27 weeks and over				Civilian labor force (percent distribution)
	Percent of unemployed in each group		Percent distribution		Percent of unemployed in each group		Percent distribution		
	Apr. 1964	Apr. 1963	Apr. 1964	Apr. 1963	Apr. 1964	Apr. 1963	Apr. 1964	Apr. 1963	
INDUSTRY									
Total	31.5	35.0	100.0	100.0	13.8	16.8	100.0	100.0	100.0
Experienced wage and salary workers	32.4	36.6	85.1	86.5	13.9	16.6	83.1	81.9	85.5
Agriculture	20.4	31.3	2.7	2.9	8.0	7.6	2.4	1.5	2.0
Nonagricultural industries	33.0	36.9	82.4	83.6	14.2	16.9	80.7	80.4	83.5
Mining, forestry, fisheries	(1)	(1)	2.1	1.6	(1)	(1)	3.9	1.6	.9
Construction	44.0	45.7	14.7	17.2	11.9	15.7	9.0	12.4	5.3
Manufacturing	33.4	38.4	26.4	28.5	16.0	16.0	28.8	24.9	25.7
Durable goods	37.8	41.1	15.9	16.8	19.1	16.4	18.2	14.0	14.6
Nondurable goods	28.5	35.0	10.5	11.7	12.7	15.5	10.6	10.9	11.1
Transportation and public utilities	32.5	46.0	4.0	5.3	11.7	25.2	3.3	6.0	6.1
Wholesale and retail trade	31.3	27.2	18.3	12.4	13.0	13.8	17.2	13.2	15.4
Finance, insurance, and real estate, and service industries ...	25.9	32.6	14.3	15.3	12.1	19.9	15.0	19.6	24.9
Public administration	(1)	(1)	2.7	3.2	(1)	(1)	3.5	2.8	5.2
Self-employed and unpaid family workers	(1)	31.7	2.8	3.1	(1)	14.4	2.8	2.9	13.7
No previous work experience	25.7	26.3	12.1	10.4	13.3	18.3	14.1	15.1	.8
OCCUPATION									
Total	31.5	35.0	100.0	100.0	13.8	16.8	100.0	100.0	100.0
White-collar workers	31.2	30.8	21.5	18.8	12.3	15.0	19.3	19.1	43.5
Professional and technical	33.3	27.4	3.9	2.8	8.3	16.4	2.2	3.5	11.9
Managers, officials, and proprietors	(1)	37.4	2.9	3.2	(1)	17.1	2.8	3.1	10.4
Clerical workers	30.8	32.1	11.1	8.8	14.3	13.8	11.7	7.9	15.1
Sales workers	24.6	27.1	3.6	4.0	7.7	14.8	2.6	4.6	6.0
Blue-collar workers	35.3	40.6	50.4	56.7	14.4	17.1	46.8	50.0	36.3
Craftsmen and foremen	36.8	39.7	12.1	12.9	13.0	16.6	9.7	11.3	12.2
Operatives	32.7	36.5	24.9	26.3	15.5	15.0	27.0	22.6	18.7
Nonfarm laborers	39.9	49.6	13.3	17.5	13.3	21.7	10.1	16.0	5.5
Service workers	29.5	30.9	14.0	11.4	16.2	17.0	17.4	13.1	13.6
Private household workers	22.5	28.2	2.0	2.3	9.9	11.1	2.0	1.9	3.4
Other service workers	31.2	31.6	11.9	9.1	17.7	18.6	15.4	11.2	10.2
Farm workers	19.5	33.9	2.1	2.7	9.8	15.7	2.4	2.6	5.7
Farmers and farm managers	-	(1)	-	.5	-	(1)	-	.7	3.1
Farm laborers and foremen	20.2	(1)	2.1	2.2	10.1	(1)	2.4	1.9	2.6
No previous work experience	25.7	26.3	12.1	10.4	13.3	18.3	14.1	15.1	.8

¹Percent not shown where base is less than 100,000.

Table A-10: Long-term unemployed, by sex, age, color, and marital status

Characteristics	Unemployed 15 weeks and over				Unemployed 27 weeks and over				Civilian labor force (percent distribution)
	Percent of unemployed in each group		Percent distribution		Percent of unemployed in each group		Percent distribution		
	Apr. 1964	Apr. 1963	Apr. 1964	Apr. 1963	Apr. 1964	Apr. 1963	Apr. 1964	Apr. 1963	
AGE									
Total	31.5	35.0	100.0	100.0	13.8	16.8	100.0	100.0	100.0
Male	34.9	38.3	66.3	70.0	15.4	18.5	66.7	70.8	65.0
14 to 19 years	25.8	27.9	11.7	10.5	14.5	14.8	14.9	11.6	4.7
20 to 24 years	27.4	28.0	7.9	7.8	8.9	13.4	5.9	7.8	6.2
25 to 44 years	34.0	39.1	19.1	23.4	10.1	16.4	12.9	20.5	28.5
45 years and over	46.5	49.4	27.6	28.3	24.4	25.9	33.0	30.9	25.6
Female	26.4	29.3	33.7	30.0	11.5	13.6	33.3	29.2	35.0
14 to 19 years	15.7	19.0	4.6	4.2	6.9	11.1	4.6	5.1	3.2
20 to 24 years	27.1	17.8	6.0	2.8	11.0	7.6	5.5	2.5	4.4
25 to 44 years	29.8	34.7	13.2	13.0	12.2	15.9	12.3	12.5	13.5
45 years and over	31.2	36.7	10.0	10.0	15.0	15.9	10.9	9.1	14.0
COLOR									
Total	31.5	35.0	100.0	100.0	13.8	16.8	100.0	100.0	100.0
White, total	30.2	33.0	76.7	75.5	13.0	15.3	75.1	73.5	89.0
Male	33.8	36.5	52.2	54.4	14.1	16.8	49.5	52.5	58.5
Female	24.5	26.4	24.5	21.2	11.2	12.6	25.6	21.0	30.6
Nonwhite, total	37.0	43.4	23.3	24.5	17.4	22.6	24.9	26.5	11.0
Male	39.9	46.5	14.1	15.6	21.3	26.0	17.1	18.2	6.5
Female	33.6	38.8	9.2	8.9	12.4	17.2	7.7	8.2	4.5
MARITAL STATUS									
Total	31.5	35.0	100.0	100.0	13.8	16.8	100.0	100.0	100.0
Male	34.9	38.3	66.3	70.0	15.4	18.5	66.7	70.8	65.0
Married, wife present	38.9	43.0	34.5	39.1	14.4	18.4	28.9	35.0	50.2
Single	28.2	31.8	22.6	23.4	15.0	17.2	27.3	26.3	11.3
14 to 19 years	26.3	28.2	11.6	10.3	14.9	14.6	14.9	11.2	4.4
20 years and over	30.2	35.5	11.0	13.1	14.9	19.7	12.3	15.1	6.9
Other marital status	44.0	41.2	9.1	7.5	21.8	24.6	10.3	9.4	3.4
Female	26.4	29.3	33.7	30.0	11.5	13.6	33.3	29.2	35.0
Married, husband present	27.8	31.0	16.6	14.8	11.5	11.3	15.7	11.3	19.8
Single	21.3	19.9	8.3	6.2	9.8	12.6	8.8	8.2	8.0
14 to 19 years	16.2	17.9	4.1	3.4	7.6	12.5	4.4	5.0	2.8
20 years and over	31.1	23.5	4.1	2.7	14.6	13.3	4.4	3.2	5.2
Other marital status	30.6	37.4	8.9	9.1	13.6	19.1	9.0	9.7	7.2

Table A-11: Unemployed persons looking for full- or part-time work, by age, sex, and occupation of last job

Age and sex	Percent distribution		Looking for part-time work as a percent of unemployed in each group		Occupation	Percent distribution		Looking for part-time work as a percent of unemployed in each group	
	Looking for full- time work	Looking for part- time work	Apr. 1964	Mar. 1964		Looking for full- time work	Looking for part- time work	Apr. 1964	Mar. 1964
	Apr. 1964	Apr. 1964				Apr. 1964	Apr. 1964		
Total	100.0	100.0	15.8	16.2	Total	100.0	100.0	15.8	16.2
Male	60.8	54.4	14.4	14.4	White-collar workers	22.3	19.6	14.2	15.3
14 to 19 years	9.6	39.1	43.3	47.1	Professional and technical	3.9	1.9	8.5	17.3
Major activity:					Managers, officials, and proprietors	2.4	.6	(1)	5.1
Going to school	3.6	38.2	66.4	87.1	Clerical workers	11.5	10.9	15.2	17.5
All other	6.0	1.0	3.0	2.8	Sales workers	4.5	6.1	20.7	16.2
20 to 24 years	9.9	5.2	8.9	11.1	Blue-collar workers	49.8	19.7	7.0	7.8
25 to 54 years	31.5	1.9	1.1	1.9	Craftsmen and foremen	11.6	3.9	5.9	4.3
55 years and over	9.8	8.2	13.6	14.7	Operatives	26.5	11.2	7.4	8.3
Female	39.2	45.6	17.9	19.2	Nonfarm laborers	11.7	4.7	7.0	10.2
14 to 19 years	7.5	18.8	32.0	32.0	Service workers	14.4	17.5	18.8	19.3
Major activity:					Private household workers	2.7	3.4	18.8	33.1
Going to school	3.0	16.3	50.8	65.6	Other service workers	11.7	14.1	18.5	16.1
All other	4.5	2.6	9.7	8.2	Farm workers	3.1	5.1	23.1	28.7
20 to 24 years	7.4	4.5	10.3	9.2	Farmers and farm managers	.1	.5	(1)	(1)
25 to 54 years	20.3	17.6	14.0	19.2	Farm laborers and foremen	3.0	4.7	22.5	26.8
55 years and over	4.1	4.7	17.8	16.8	No previous work experience	10.4	38.0	40.9	46.4

¹Percent not shown where base is less than 100,000.

HOUSEHOLD DATA

Table A-12: Total labor force, by age and sex

Age and sex	Thousands of persons			Labor force participation rate		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	76,544	75,553	74,897	57.3	56.6	56.9
Male	50,865	50,123	50,010	78.1	77.4	78.2
14 to 19 years....	3,941	3,685	3,775	40.2	37.7	39.8
14 and 15 years..	664	569	611	18.9	16.2	17.2
16 and 17 years..	1,422	1,293	1,214	40.3	37.0	38.8
18 and 19 years..	1,855	1,824	1,950	67.1	66.0	69.7
20 to 24 years....	5,520	5,434	5,341	86.0	85.0	87.1
25 to 34 years....	10,604	10,585	10,622	97.3	97.1	97.1
35 to 44 years....	11,592	11,577	11,590	97.6	97.5	97.6
45 to 54 years....	10,071	10,048	9,876	96.3	96.1	95.6
55 to 64 years....	6,742	6,688	6,690	85.9	85.3	86.7
55 to 59 years....	3,939	3,910	3,848	92.0	91.4	91.3
60 to 64 years....	2,803	2,778	2,842	78.6	78.0	81.3
65 years and over..	2,194	2,104	2,116	29.1	27.9	28.1
Female	25,878	25,430	24,886	37.6	37.0	36.7
14 to 19 years....	2,349	2,333	2,259	24.5	24.4	24.4
14 and 15 years..	359	322	317	10.5	9.4	9.2
16 and 17 years..	774	751	686	22.5	22.0	22.5
18 and 19 years..	1,216	1,260	1,257	44.5	46.1	45.7
20 to 24 years....	3,230	3,187	2,878	50.0	49.5	46.7
25 to 34 years....	4,298	4,206	4,228	38.3	37.5	37.6
35 to 44 years....	5,671	5,589	5,664	45.4	44.8	45.4
45 to 54 years....	5,727	5,661	5,578	52.0	51.5	51.5
55 to 64 years....	3,575	3,455	3,396	41.9	40.6	40.6
55 to 59 years....	2,199	2,169	2,096	48.0	47.5	46.7
60 to 64 years....	1,376	1,286	1,300	34.8	32.6	33.6
65 years and over..	1,029	999	882	10.8	10.5	9.4

Table A-13: Employed persons, by age and sex

Age and sex	(In thousands)					
	Male			Female		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
All industries	45,607	44,730	44,706	24,271	23,786	23,391
14 to 19 years....	2,880	2,650	2,741	1,979	2,035	1,937
20 to 24 years....	4,210	4,061	3,996	2,945	2,871	2,642
25 to 34 years....	9,505	9,397	9,405	4,033	3,906	3,976
35 to 44 years....	10,830	10,731	10,789	5,376	5,284	5,372
45 to 54 years....	9,628	9,545	9,393	5,494	5,433	5,334
55 to 64 years....	6,461	6,357	6,376	3,447	3,282	3,267
65 years and over..	2,092	1,989	2,008	995	977	864
Nonagricultural industries	41,891	41,299	40,762	23,557	23,201	22,663
14 to 19 years....	2,393	2,259	2,218	1,923	1,968	1,883
20 to 24 years....	3,960	3,842	3,685	2,918	2,851	2,593
25 to 34 years....	9,038	8,967	8,904	3,912	3,815	3,838
35 to 44 years....	10,234	10,153	10,130	5,235	5,164	5,231
45 to 54 years....	8,922	8,838	8,672	5,334	5,296	5,159
55 to 64 years....	5,739	5,682	5,627	3,307	3,184	3,135
65 years and over..	1,603	1,559	1,524	929	921	825
Agriculture	3,716	3,432	3,945	713	585	728
14 to 19 years....	488	391	522	57	66	53
20 to 24 years....	250	219	311	28	20	48
25 to 34 years....	467	430	501	121	91	139
35 to 44 years....	596	578	658	141	120	141
45 to 54 years....	705	707	720	160	136	175
55 to 64 years....	722	676	749	140	98	131
65 years and over..	490	430	483	66	55	39

Table A-14: Employed persons, by class of worker and occupation

Characteristics	(In thousands)								
	Total			Male			Female		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
CLASS OF WORKER									
Total	69,877	68,517	68,097	45,607	44,730	44,706	24,271	23,786	23,391
Nonagricultural industries	65,448	64,500	63,424	41,891	41,299	40,762	23,557	23,201	22,663
Wage and salary workers.....	58,559	57,584	56,670	36,990	36,364	35,920	21,569	21,220	20,750
Private household workers.....	2,741	2,478	2,533	343	229	322	2,398	2,248	2,211
Government workers.....	9,652	9,600	9,273	5,719	5,664	5,492	3,932	3,937	3,780
Other wage and salary workers.....	46,166	45,506	44,864	30,928	30,471	30,106	15,239	15,035	14,759
Self-employed workers.....	6,289	6,289	6,127	4,847	4,859	4,755	1,441	1,430	1,372
Unpaid family workers.....	603	627	627	56	76	86	547	551	541
Agriculture	4,429	4,017	4,673	3,716	3,432	3,945	713	585	728
Wage and salary workers.....	1,323	1,185	1,433	1,187	1,057	1,289	136	128	144
Self-employed workers.....	2,344	2,253	2,450	2,207	2,117	2,322	137	136	128
Unpaid family workers.....	759	579	790	319	258	335	440	322	456
OCCUPATION									
Total	69,877	68,517	68,097	45,607	44,730	44,706	24,271	23,786	23,391
White-collar workers	31,278	31,217	30,140	17,769	17,777	17,118	13,507	13,438	13,023
Professional and technical.....	8,670	8,603	8,315	5,503	5,410	5,331	3,166	3,193	2,984
Managers, officials, and proprietors.....	7,610	7,586	7,266	6,458	6,452	6,134	1,151	1,133	1,132
Clerical workers.....	10,721	10,711	10,158	3,238	3,268	3,040	7,483	7,443	7,119
Sales workers.....	4,277	4,317	4,401	2,570	2,647	2,613	1,707	1,669	1,788
Blue-collar workers	25,034	24,382	24,519	21,096	20,459	20,734	3,942	3,924	3,785
Craftsmen and foremen.....	8,600	8,503	8,777	8,371	8,259	8,578	231	244	199
Operatives.....	12,819	12,665	12,347	9,198	9,073	8,872	3,621	3,593	3,475
Nonfarm laborers.....	3,615	3,214	3,395	3,527	3,127	3,284	90	87	111
Service workers.....	9,480	9,181	9,091	3,303	3,273	3,185	6,177	5,907	5,906
Private household workers.....	2,432	2,302	2,261	66	60	70	2,366	2,242	2,190
Other service workers.....	7,048	6,879	6,830	3,237	3,213	3,115	3,811	3,665	3,716
Farm workers	4,087	3,740	4,349	3,439	3,220	3,672	648	520	677
Farmers and farm managers.....	2,293	2,214	2,417	2,156	2,088	2,296	137	126	121
Farm laborers and foremen.....	1,794	1,526	1,932	1,283	1,132	1,376	511	394	556

Table A-15: Employed persons, by hours worked

(In thousands)

Hours worked	All industries			Nonagricultural industries			Agriculture		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	69,877	68,517	68,097	65,448	64,500	63,424	4,429	4,017	4,673
With a job but not at work	2,238	2,249	2,737	2,115	2,038	2,608	124	211	129
At work	67,639	66,268	65,361	63,336	62,462	60,816	4,303	3,806	4,544
1-34 hours	13,285	13,323	15,657	11,885	11,908	14,311	1,400	1,415	1,346
1-4 hours	1,023	1,031	857	950	972	817	72	59	42
5-14 hours	3,554	3,547	3,304	3,256	3,221	3,040	302	327	263
15-34 hours	8,705	8,746	11,496	7,676	7,717	10,455	1,029	1,029	1,041
35 hours or more	54,353	52,945	49,704	51,452	50,556	46,505	2,903	2,391	3,198
35-40 hours	31,878	31,699	29,073	31,279	31,090	28,437	599	610	636
41 hours and over	22,475	21,246	20,631	20,173	19,466	18,068	2,304	1,781	2,562
Average hours, total at work	40.3	40.0	40.0	40.0	39.9	39.4	45.7	42.2	47.1

Table A-16: Employed persons, by full- or part-time status

(In thousands)

Full- or part-time status	All industries			Nonagricultural industries		
	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963
Total	69,877	68,517	68,097	65,448	64,500	63,424
With a job but not at work	2,238	2,249	2,737	2,115	2,038	2,608
At work	67,639	66,268	65,361	63,336	62,462	60,816
On full-time schedules	56,457	55,478	54,927	53,306	52,715	51,538
35 hours or more	54,353	52,945	49,704	51,452	50,556	46,505
1-34 hours for noneconomic reasons	2,104	2,533	5,223	1,854	2,159	5,033
Bad weather	490	777	271	346	489	196
Industrial dispute	12	13	21	12	13	21
Vacation	188	153	379	177	149	372
Illness	702	864	657	657	829	614
Holiday	24	30	3,191	24	30	3,179
All other reasons	688	696	704	638	649	651
On part time for economic reasons	2,330	2,330	2,442	2,122	2,081	2,206
Usually work full time	1,139	1,182	1,246	1,053	1,032	1,136
Average hours	24.1	23.6	23.9	24.3	23.8	23.9
Usually work part time	1,191	1,148	1,196	1,069	1,049	1,070
Average hours	17.8	17.9	18.2	17.8	17.9	18.0
On part time for noneconomic reasons; usually work part time	8,851	8,459	7,991	7,907	7,667	7,072

Table A-17: Employed persons with a job, but not at work, by reason not working and pay status

(In thousands)

Reason not working	All industries			Nonagricultural industries								
	Apr. 1964	Mar. 1964	Apr. 1963	Total			Wage and salary workers					
				Apr. 1964	Mar. 1964	Apr. 1963	Number			Percent paid		
Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	Apr. 1964	Mar. 1964	Apr. 1963	
Total	2,238	2,249	2,737	2,115	2,038	2,608	1,809	1,711	2,264	44.1	40.8	52.9
Bad weather	84	159	75	46	99	51	29	73	36	-	(1)	(1)
Industrial dispute	6	35	23	6	35	23	6	35	23	-	-	-
Vacation	546	382	1,030	538	368	1,021	484	329	957	83.5	77.5	79.8
Illness	1,012	1,091	1,005	966	1,028	936	848	902	839	38.3	40.4	42.0
All other reasons	590	583	603	558	510	577	442	374	410	15.8	19.0	19.8

¹ Percent not shown where base is less than 100,000.

Table A-18: Employment status of the noninstitutional population, by age and sex

April 1964
(In thousands)

Age, sex, and color	Total labor force		Civilian labor force						Not in labor force				
	Number	Percent of population	Total	Employed			Unemployed		Total	Keeping house	In school	Unable to work	Other
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force					
Male	50,665	78.1	47,951	45,607	3,716	41,891	2,345	4.9	14,186	125	6,576	1,037	6,448
14 and 15 years	664	18.9	664	595	146	448	69	10.4	2,842	4	2,807	3	29
16 and 17 years	1,422	40.3	1,371	1,107	202	905	264	19.2	2,104	-	2,028	8	69
18 and 19 years	1,855	67.1	1,404	1,178	139	1,039	226	16.1	909	3	836	1	69
20 to 24 years	5,520	86.0	4,568	4,210	250	3,960	358	7.8	895	-	752	32	110
25 to 29 years	5,251	96.6	4,821	4,668	219	4,449	153	3.2	185	-	107	26	51
30 to 34 years	5,353	97.9	5,020	4,837	248	4,589	184	3.7	113	4	22	35	53
35 to 39 years	5,781	97.7	5,550	5,372	297	5,075	179	3.2	136	1	11	43	82
40 to 44 years	5,811	97.5	5,637	5,458	299	5,159	179	3.2	147	4	8	49	87
45 to 49 years	5,292	97.0	5,226	5,028	342	4,686	198	3.8	166	3	4	52	107
50 to 54 years	4,779	95.5	4,758	4,600	363	4,236	159	3.3	224	8	-	64	152
55 to 59 years	3,939	92.0	3,935	3,783	418	3,365	151	3.8	344	6	-	118	221
60 to 64 years	2,803	78.6	2,802	2,678	304	2,374	124	4.4	763	12	-	163	589
65 to 69 years	1,205	43.1	1,205	1,136	224	913	69	5.7	1,592	24	-	106	1,462
70 years and over	989	20.8	989	956	266	690	32	3.3	3,765	57	-	338	3,369
White	45,665	78.4	43,165	41,256	3,278	37,978	1,909	4.4	12,559	100	5,733	881	5,846
Nonwhite	4,999	75.4	4,786	4,351	438	3,913	436	9.1	1,627	25	843	156	603
Female	25,878	37.6	25,847	24,271	713	23,557	1,577	6.1	42,949	34,804	6,731	597	817
14 and 15 years	359	10.5	359	336	20	316	22	6.2	3,050	50	2,967	4	29
16 and 17 years	774	22.5	774	608	16	593	166	21.4	2,671	250	2,373	3	44
18 and 19 years	1,216	44.5	1,209	1,035	21	1,014	175	14.5	1,517	582	878	14	44
20 to 24 years	3,230	50.0	3,219	2,945	28	2,918	273	8.5	3,226	2,751	415	14	46
25 to 29 years	2,178	39.1	2,174	2,016	44	1,972	158	7.3	3,399	3,332	24	12	30
30 to 34 years	2,120	37.5	2,117	2,017	77	1,940	99	4.7	3,531	3,472	30	7	23
35 to 39 years	2,642	42.7	2,640	2,506	70	2,436	134	5.1	3,550	3,501	6	19	24
40 to 44 years	3,029	48.1	3,027	2,870	71	2,799	157	5.2	3,264	3,207	11	24	22
45 to 49 years	3,028	52.7	3,027	2,895	81	2,814	132	4.4	2,714	2,643	9	13	49
50 to 54 years	2,699	51.2	2,698	2,599	79	2,520	100	3.7	2,574	2,509	8	21	36
55 to 59 years	2,199	48.0	2,199	2,101	86	2,016	98	4.5	2,379	2,299	3	35	41
60 to 64 years	1,376	34.8	1,376	1,346	54	1,291	30	2.2	2,579	2,483	4	37	55
65 to 69 years	659	19.8	659	636	32	604	23	3.5	2,673	2,537	-	48	88
70 years and over	370	6.0	370	359	34	325	11	2.9	5,823	5,188	3	346	286
White	22,579	36.8	22,550	21,312	639	20,673	1,238	5.5	38,846	31,774	5,854	494	724
Nonwhite	3,300	44.6	3,298	2,958	74	2,884	339	10.3	4,102	3,030	877	103	93

Table A-19: Nonagricultural wage and salary workers, by full- or part-time status, hours of work, and industry

April 1964
(Percent distribution)

Industry	Full- or part-time status					Hours of work				
	Total at work	On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over
			Economic reasons		Other reasons					
			Usually work full time	Usually work part time	Usually work part time					
Total ¹	100.0	84.5	1.6	1.7	12.1	100.0	18.3	52.7	14.9	14.0
Construction	100.0	88.2	5.0	2.6	4.0	100.0	18.4	58.3	12.8	10.3
Manufacturing	100.0	93.6	2.3	.6	3.5	100.0	9.7	62.3	16.6	11.4
Durable goods	100.0	96.6	1.5	.4	1.6	100.0	7.1	64.7	16.8	11.5
Nondurable goods	100.0	89.5	3.2	1.0	6.1	100.0	13.3	59.0	16.3	11.2
Transportation and public utilities	100.0	92.7	1.5	1.9	3.8	100.0	10.0	62.8	12.6	14.5
Wholesale and retail trade	100.0	77.6	1.2	2.0	19.3	100.0	24.1	38.1	18.7	19.2
Finance, insurance, and real estate	100.0	90.7	.3	.8	8.3	100.0	11.7	62.5	12.2	13.7
Service industries	100.0	71.1	1.0	3.1	24.8	100.0	31.1	41.3	13.2	14.4

¹Includes forestry and fisheries, mining and public administration, not shown separately.

HOUSEHOLD DATA

Table A-20: Persons at work in nonfarm occupations by full- or part-time status, hours of work, and occupation

April 1964

(Percent distribution)

Occupation	Full or part-time status						Hours of work					
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over	Average hours, total at work
				Economic reasons		Other reasons						
	Thousands	Percent	Usually work full time	Usually work part time	Usually work part time							
White-collar workers	30,262	100.0	86.4	0.5	0.7	12.4	100.0	15.7	49.6	13.9	20.8	41.4
Professional and technical	8,466	100.0	88.6	.3	.4	10.6	100.0	13.0	50.0	15.0	21.9	41.8
Managers, officials, and proprietors	7,318	100.0	94.4	.7	.5	4.4	100.0	7.8	32.2	18.0	42.0	48.9
Clerical workers	10,390	100.0	85.0	.5	.7	13.8	100.0	17.5	67.1	10.3	5.1	37.4
Sales workers	4,088	100.0	71.0	.8	1.5	26.8	100.0	30.8	35.0	13.6	20.7	37.1
Blue-collar workers	24,218	100.0	89.1	3.2	1.9	5.7	100.0	15.0	54.0	16.9	14.0	40.4
Craftsmen and foremen	8,357	100.0	94.0	2.5	.9	2.6	100.0	10.0	55.7	19.3	15.0	41.8
Operatives	12,363	100.0	90.1	3.4	1.4	5.0	100.0	13.5	55.7	16.0	14.7	41.1
Nonfarm laborers	3,498	100.0	73.9	4.5	6.1	15.5	100.0	32.8	44.4	13.7	9.1	34.9
Service workers	9,180	100.0	63.2	1.3	4.6	30.8	100.0	39.0	35.6	12.6	12.7	34.2
Private household workers	2,382	100.0	34.4	1.2	10.6	53.6	100.0	67.5	16.7	7.4	8.2	24.1
Other service workers	6,798	100.0	73.3	1.3	2.5	22.8	100.0	28.9	42.3	14.4	14.3	37.7

Table A-21: Occupation group of employed persons, by sex and color

April 1964

Occupation	Thousands			Percent distribution								
	Total	Male	Female	Total	Male	Female	White			Nonwhite		
							Total	Male	Female	Total	Male	Female
Total	69,877	45,607	24,271	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	31,278	17,769	13,507	44.8	39.0	55.6	47.7	41.4	60.1	19.2	16.1	23.7
Professional and technical	8,670	5,503	3,166	12.4	12.1	13.0	13.1	12.7	13.7	6.8	5.7	8.4
Medical and other health	1,378	576	801	2.0	1.3	3.3	2.1	1.3	3.5	1.2	.7	1.9
Teachers, except college	2,049	635	1,414	2.9	1.4	5.8	3.0	1.4	6.0	2.6	1.4	4.3
Other professional and technical	5,243	4,292	951	7.5	9.4	3.9	8.0	10.0	4.2	3.0	3.6	2.2
Managers, officials, and proprietors	7,610	6,458	1,151	10.9	14.2	4.7	11.8	15.3	5.2	2.7	3.4	1.7
Salaried workers	4,378	3,721	656	6.3	8.2	2.7	6.9	8.9	3.0	.8	1.2	.3
Self-employed workers in retail trade	1,529	1,212	317	2.2	2.7	1.3	2.3	2.8	1.4	1.1	1.1	.9
Self-employed workers, except retail trade	1,703	1,525	178	2.4	3.3	.7	2.6	3.6	.8	.8	1.0	.4
Clerical workers	10,721	3,238	7,483	15.3	7.1	30.8	16.2	7.3	33.5	7.7	5.1	11.4
Stenographers, typists, and secretaries	2,693	47	2,646	3.9	.1	10.9	4.1	.1	11.9	1.4	-	3.5
Other clerical workers	8,028	3,191	4,837	11.5	7.0	19.9	12.1	7.2	21.6	6.3	5.1	7.9
Sales workers	4,277	2,570	1,707	6.1	5.6	7.0	6.6	6.0	7.7	2.1	1.9	2.3
Retail trade	2,494	1,005	1,489	3.6	2.2	6.1	3.8	2.3	6.7	1.4	.9	2.0
Other sales workers	1,783	1,565	218	2.6	3.4	.9	2.8	3.7	1.0	.7	1.0	.2
Blue-collar workers	25,034	21,096	3,942	35.8	46.3	16.2	35.3	45.0	16.4	40.7	58.4	14.8
Craftsmen, foremen	8,600	8,371	231	12.3	18.4	1.0	12.9	19.1	1.0	6.9	11.3	.4
Carpenters	791	791	-	1.1	1.7	-	1.2	1.8	-	.7	1.1	-
Construction craftsmen, except carpenters	1,638	1,627	12	2.3	3.6	(1)	2.4	3.6	.1	2.1	3.4	-
Mechanics and repairmen	2,125	2,119	7	3.0	4.6	(1)	3.2	4.8	(1)	2.0	3.4	(1)
Metal craftsmen, except mechanics	1,129	1,122	7	1.6	2.5	(1)	1.7	2.6	(1)	.5	.9	-
Other craftsmen and kindred workers	1,716	1,594	122	2.5	3.5	.5	2.6	3.7	.5	1.3	2.0	.3
Foremen, not elsewhere classified	1,201	1,118	83	1.7	2.5	.3	1.9	2.7	.4	.3	.4	.1
Operatives	12,819	9,198	3,621	18.3	20.2	14.9	18.1	19.7	15.1	20.4	24.8	13.9
Drivers and deliverymen	2,492	2,450	42	3.6	5.4	.2	3.4	5.1	.2	4.8	8.0	.1
Other operatives	10,327	6,748	3,579	14.8	14.8	14.7	14.7	14.6	14.9	15.6	16.8	13.8
Durable goods manufacturing	3,982	3,028	954	5.7	6.6	3.9	5.8	6.6	4.2	4.8	6.8	1.8
Nondurable goods manufacturing	3,535	1,638	1,897	5.1	3.6	7.8	5.1	3.6	8.1	4.7	3.9	5.8
Other industries	2,810	2,082	728	4.0	4.6	3.0	3.8	4.4	2.6	6.1	6.1	6.1
Nonfarm laborers	3,615	3,527	90	5.2	7.7	.4	4.2	6.2	.4	13.5	22.3	.5
Construction	770	764	6	1.1	1.7	(1)	.8	1.3	(1)	3.3	5.5	-
Manufacturing	1,020	976	45	1.5	2.1	.2	1.2	1.7	.2	3.7	6.0	.2
Other industries	1,825	1,787	39	2.6	3.9	.2	2.2	3.2	.1	6.5	10.8	.3
Service workers	9,480	3,303	6,177	13.6	7.2	25.4	11.2	6.3	20.8	33.6	16.2	59.2
Private household workers	2,432	66	2,366	3.5	.1	9.7	2.2	.1	6.3	14.2	.4	34.4
Service workers, except private household	7,048	3,237	3,811	10.1	7.1	15.7	9.0	6.2	14.4	19.4	15.8	24.7
Protective service workers	891	844	47	1.3	1.9	.2	1.3	1.9	.2	.7	1.1	.2
Waiters, cooks, and bartenders	1,975	548	1,427	2.8	1.2	5.9	2.7	1.0	5.9	4.1	2.8	6.0
Other service workers	4,182	1,845	2,337	6.0	4.0	9.6	5.0	3.2	8.4	14.6	12.0	18.6
Farm workers	4,087	3,439	648	5.8	7.5	2.7	5.8	7.4	2.7	6.5	9.3	2.3
Farmers and farm managers	2,293	2,156	137	3.3	4.7	.6	3.4	4.9	.6	1.9	2.7	.6
Farm laborers and foremen	1,794	1,283	511	2.6	2.8	2.1	2.3	2.4	2.2	4.6	6.6	1.8
Paid workers	1,060	970	90	1.5	2.1	.4	1.2	1.8	.3	3.8	5.7	1.1
Unpaid family workers	734	313	421	1.1	.7	1.7	1.1	.7	1.9	.8	.9	.6

¹Less than 0.05.

Table A-22: Persons at work in nonagricultural industries, by full-time and part-time status, hours of work, and selected characteristics

April 1964

(Percent distribution)

Characteristics	Full or part-time status						Hours of work				
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 hours and over	Average hours, total at work
				Economic reasons		Other reasons					
	Thousands	Percent	Usually work full time	Usually work part time	Usually work part time						
AGE AND SEX											
Total	63,336	100.0	84.1	1.7	1.7	12.5	100.0	18.7	49.4	31.9	40.0
Male	40,628	100.0	90.4	1.6	1.2	6.7	100.0	12.4	47.5	40.0	42.7
14 to 17 years	1,319	100.0	10.4	.3	2.8	86.5	100.0	90.8	5.8	3.4	14.3
18 and 19 years	1,018	100.0	62.5	1.9	3.2	32.5	100.0	41.0	37.2	21.9	33.1
20 to 24 years	3,881	100.0	87.4	1.7	1.8	9.0	100.0	15.6	46.5	37.8	41.2
25 to 34 years	8,848	100.0	96.0	1.6	.9	1.5	100.0	7.0	48.4	44.6	44.7
35 to 44 years	9,959	100.0	96.8	1.7	.8	.8	100.0	5.9	49.0	45.2	45.3
45 to 64 years	14,123	100.0	95.4	1.6	1.2	1.7	100.0	7.8	52.1	40.0	44.2
65 years and over	1,480	100.0	65.6	1.7	2.1	30.7	100.0	37.2	34.3	28.6	35.4
Female	22,708	100.0	73.0	1.7	2.5	22.8	100.0	29.9	52.8	17.3	35.1
14 to 17 years	897	100.0	7.9	.8	1.4	89.9	100.0	92.6	5.2	2.2	11.5
18 and 19 years	988	100.0	64.9	1.6	3.0	30.5	100.0	38.2	54.0	7.8	31.1
20 to 24 years	2,849	100.0	84.1	1.1	2.3	12.4	100.0	18.3	65.7	15.9	37.1
25 to 34 years	3,775	100.0	77.0	1.9	1.7	19.4	100.0	26.9	57.1	16.0	35.6
35 to 44 years	5,028	100.0	74.7	2.3	2.3	20.8	100.0	28.8	54.1	17.2	35.9
45 to 64 years	8,290	100.0	76.5	1.7	2.8	18.9	100.0	25.9	53.3	20.7	37.1
65 years and over	881	100.0	51.3	1.0	5.4	42.3	100.0	51.6	27.7	20.7	31.2
MARITAL STATUS AND SEX											
Male: Single	6,287	100.0	66.5	1.2	3.1	29.2	100.0	36.4	40.4	23.2	33.7
Married, wife present	32,378	100.0	95.3	1.6	.8	2.3	100.0	7.5	48.9	43.6	44.6
Other	1,963	100.0	86.7	2.7	3.2	7.4	100.0	18.0	46.9	35.1	41.2
Female: Single	5,218	100.0	70.7	.8	2.0	26.5	100.0	31.5	54.3	14.2	32.8
Married, husband present	12,797	100.0	72.1	2.0	2.0	23.8	100.0	30.8	52.6	16.5	35.2
Other	4,693	100.0	77.8	2.0	4.4	15.9	100.0	25.6	51.8	22.7	37.2
COLOR AND SEX											
White	56,779	100.0	84.8	1.5	1.1	12.5	100.0	17.8	49.3	32.8	40.3
Male	36,830	100.0	90.9	1.5	.9	6.8	100.0	11.9	47.0	41.2	43.0
Female	19,949	100.0	73.8	1.7	1.6	22.9	100.0	29.1	53.6	17.3	35.2
Nonwhite	6,557	100.0	78.3	2.7	6.6	12.4	100.0	26.3	50.1	23.6	37.4
Male	3,798	100.0	86.4	3.1	4.9	5.6	100.0	19.2	52.2	28.6	39.9
Female	2,759	100.0	67.1	2.2	9.0	21.7	100.0	36.1	47.2	16.7	34.0

Table A-23: Persons at work, by hours of work, and class of worker

April 1964

(Percent distribution)

Hours of work	Total	Agriculture				Nonagricultural industries						
		Total	Wage and salary workers	Self-employed workers	Unpaid family workers	Total	Wage and salary workers			Self-employed workers	Unpaid family workers	
							Total	Private households	Government			Other
Total at work .. thousands	67,639	4,303	1,271	2,273	759	63,336	56,751	2,679	9,378	44,694	5,983	603
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1 to 34 hours	19.6	32.5	31.8	23.2	61.8	18.7	18.3	67.5	12.9	16.4	20.9	43.3
1 to 14 hours	6.8	8.6	12.4	9.4	-	6.6	6.5	42.0	4.3	4.9	8.4	-
15 to 21 hours	5.2	11.1	8.3	5.4	33.2	4.8	4.6	10.8	3.7	4.4	5.5	21.7
22 to 29 hours	3.8	8.3	6.9	4.9	20.4	3.5	3.5	7.2	2.0	3.5	3.0	11.8
30 to 34 hours	3.8	4.5	4.2	3.5	8.2	3.8	3.7	7.5	2.9	3.6	4.0	9.8
35 to 40 hours	47.1	13.9	15.3	11.9	17.7	49.4	52.7	17.1	60.9	53.1	21.1	18.9
35 to 39 hours	6.5	6.9	4.9	6.1	12.7	6.5	6.7	5.1	6.9	6.7	4.3	7.7
40 hours	40.6	7.0	10.4	5.8	5.0	42.9	46.0	12.0	54.0	46.4	16.8	11.2
41 hours and over	33.1	53.5	52.9	64.8	20.6	31.9	28.9	15.4	26.2	30.5	58.0	37.9
41 to 47 hours	8.1	5.6	8.6	4.1	5.5	8.3	8.4	4.4	7.9	8.8	7.0	5.7
48 hours	6.4	4.4	5.9	4.4	1.8	6.6	6.5	2.9	4.5	7.2	7.0	5.8
49 hours and over	18.6	43.5	38.4	56.3	13.3	17.0	14.0	8.1	13.8	14.5	44.0	26.4
49 to 54 hours	6.3	6.1	6.7	6.9	2.5	6.4	5.9	2.9	5.8	6.1	10.6	8.1
55 to 59 hours	2.7	4.1	4.8	4.5	1.7	2.6	2.4	1.4	2.4	2.5	4.3	3.5
60 to 69 hours	5.2	13.4	14.1	16.5	2.9	4.7	3.6	1.1	3.6	3.8	14.8	5.6
70 hours and over	4.4	19.9	12.8	28.4	6.2	3.3	2.1	2.7	2.0	2.1	14.3	9.2
Average hours, total at work	40.3	45.7	42.9	51.6	32.7	40.0	39.3	23.8	40.2	40.0	46.6	39.1

HOUSEHOLD DATA
SEASONALLY ADJUSTED

Table A-24: Summary employment and unemployment estimates, seasonally adjusted

(In thousands)

Employment status	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
Total labor force	77,328	76,503	76,567	76,388	75,964	76,311	75,910	75,840	75,737	75,951	75,627	75,759	75,638
Civilian labor force	74,583	73,760	73,835	73,667	73,224	73,572	73,168	73,091	72,988	73,207	72,891	73,022	72,902
Employed	70,559	69,807	69,832	69,567	69,205	69,222	69,067	69,044	68,941	69,101	68,767	68,720	68,767
Agriculture	4,748	4,600	4,797	4,936	4,890	4,903	4,939	4,877	4,872	5,009	4,924	5,030	4,997
Nonagricultural industries	65,811	65,207	65,035	64,631	64,315	64,319	64,128	64,167	64,069	64,092	63,843	63,690	63,770
Unemployed	4,024	3,953	4,003	4,100	4,019	4,350	4,101	4,047	4,047	4,106	4,124	4,302	4,135

Table A-25: Seasonally adjusted rates of unemployment

Selected unemployment rates	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
Total (all civilian workers)	5.4	5.4	5.4	5.6	5.5	5.9	5.6	5.5	5.5	5.6	5.7	5.9	5.7
Men, 20 years and over	3.8	3.9	4.1	4.3	4.3	4.5	4.2	4.1	4.2	4.3	4.4	4.4	4.4
Women, 20 years and over	5.4	5.6	5.6	5.5	5.3	5.6	5.5	5.5	5.7	5.3	5.4	5.4	5.3
Both sexes, 14 to 19 years	16.2	14.4	13.8	14.9	14.7	17.0	15.7	15.3	14.6	16.0	15.8	17.7	15.6
Married men (wife present)	2.9	2.9	3.0	3.2	3.3	3.4	2.9	3.0	3.1	3.2	3.2	3.3	3.3
Experienced wage and salary workers	5.0	5.1	5.2	5.3	5.3	5.7	5.5	5.4	5.4	5.4	5.6	5.5	5.4
Labor force time lost through unemployment and part-time work ¹	5.9	5.8	6.1	6.2	6.1	6.3	6.2	6.1	6.3	6.4	6.6	6.5	6.4

¹Man-hours lost by the unemployed and those on part time for economic reasons as a percent of total man-hours potentially available to the civilian labor force.

Table A-26: Unemployed persons, by duration of unemployment, seasonally adjusted

(In thousands)

Duration of unemployment	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
Less than 5 weeks	1,921	1,854	1,619	1,861	1,814	1,955	1,799	1,803	1,809	1,846	1,892	2,048	1,848
5 to 14 weeks	1,214	1,031	1,187	1,104	1,217	1,272	1,214	1,234	1,196	1,312	1,257	1,165	1,236
15 weeks and over:													
Number	927	1,047	1,007	1,105	1,022	1,060	1,114	1,078	1,083	1,042	1,080	1,113	1,067
Percent of civilian labor force	1.2	1.4	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5

Table A-27: Employment status, by age and sex, seasonally adjusted

(In thousands)

Employment status, age and sex	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
Civilian labor force	74,583	73,760	73,835	73,667	73,224	73,572	73,168	73,091	72,988	73,207	72,891	73,022	72,902
Men, 20 years and over	44,635	44,398	44,452	44,477	44,232	44,292	44,149	44,269	44,248	44,420	44,232	44,120	44,138
Women, 20 years and over	23,379	22,874	23,022	22,832	22,753	22,879	22,658	22,466	22,411	22,443	22,413	22,429	22,488
Both sexes, 14 to 19 years	6,569	6,488	6,361	6,358	6,239	6,401	6,361	6,356	6,329	6,344	6,246	6,473	6,276
Employed, all industries	70,559	69,807	69,832	69,567	69,205	69,222	69,067	69,044	68,941	69,101	68,767	68,720	68,767
Men, 20 years and over	42,937	42,660	42,626	42,583	42,324	42,300	42,289	42,438	42,390	42,522	42,297	42,177	42,174
Women, 20 years and over	22,118	21,595	21,725	21,573	21,557	21,606	21,414	21,224	21,143	21,251	21,210	21,214	21,297
Both sexes, 14 to 19 years	5,504	5,552	5,481	5,411	5,324	5,316	5,364	5,382	5,408	5,328	5,260	5,329	5,296
Employed, nonagricultural industries	65,811	65,207	65,035	64,631	64,315	64,319	64,128	64,167	64,069	64,092	63,843	63,690	63,770
Men, 20 years and over	39,696	39,513	39,332	39,161	38,950	38,944	38,867	39,060	39,026	39,043	38,831	38,745	38,737
Women, 20 years and over	21,315	20,899	20,937	20,807	20,748	20,750	20,622	20,432	20,369	20,468	20,463	20,382	20,472
Both sexes, 14 to 19 years	4,800	4,795	4,766	4,663	4,617	4,623	4,639	4,675	4,674	4,581	4,549	4,563	4,561
Unemployed	4,024	3,953	4,003	4,100	4,019	4,350	4,101	4,047	4,047	4,106	4,124	4,302	4,135
Men, 20 years and over	1,698	1,738	1,826	1,894	1,908	1,992	1,860	1,831	1,858	1,898	1,935	1,943	1,964
Women, 20 years and over	1,261	1,279	1,297	1,259	1,196	1,273	1,244	1,242	1,268	1,192	1,203	1,215	1,191
Both sexes, 14 to 19 years	1,065	936	880	947	915	1,085	997	974	921	1,016	986	1,144	980

Table A-28: Persons at work in nonagricultural industries, by full- or part-time status, seasonally adjusted

(In thousands)

Full- or part-time status	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
On full-time schedules	53,041	52,821	52,711	52,165	52,027	51,851	51,610	51,487	51,367	51,623	51,368	51,421	51,282
On part time for economic reasons	2,146	2,130	2,250	2,121	2,180	2,202	2,321	2,396	2,465	2,262	2,327	2,219	2,226
Usually work full time	992	1,003	1,085	957	1,023	1,034	1,101	1,173	1,178	1,048	1,081	1,022	1,070
Usually work part time	1,154	1,127	1,165	1,164	1,157	1,168	1,220	1,223	1,287	1,214	1,246	1,197	1,156
On part time for noneconomic reasons; usually work part time	7,431	7,106	7,030	7,044	6,827	6,870	7,099	6,960	6,859	6,894	6,820	6,776	6,647

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

Table B-1: Employees on nonagricultural payrolls, by industry division

1919 to date

(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			
						Total	Wholesale trade	Retail trade			Total	Federal	State and local	
1919.....	27,088	1,133	1,021	10,659	3,711	4,514	-	-	1,111	2,263	2,676	-	-	
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-	
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-	
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-	
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-	
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-	
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-	
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-	
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-	
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-	
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532	
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622	
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704	
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666	
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601	
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647	
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728	
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842	
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923	
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054	
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090	
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206	
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320	
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270	
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,744	5,244	1,502	4,148	6,080	2,905	3,174	
1944.....	41,883	892	1,094	17,328	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116	
1945.....	40,394	836	1,152	15,524	3,906	7,314	1,862	5,452	1,497	4,211	5,944	2,808	3,137	
1946.....	41,674	862	1,661	14,703	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341	
1947.....	43,881	955	1,982	15,545	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582	
1948.....	44,891	994	2,169	15,582	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787	
1949.....	43,778	930	2,165	14,441	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948	
1950.....	45,222	901	2,333	15,241	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098	
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087	
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188	
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340	
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563	
1955.....	50,675	792	2,802	16,882	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727	
1956.....	52,408	822	2,999	17,243	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069	
1957.....	52,904	828	2,923	17,174	4,241	10,886	2,893	7,992	2,477	6,749	7,626	2,217	5,409	
1958.....	51,423	751	2,778	15,945	3,976	10,750	2,848	7,902	2,519	6,811	7,893	2,191	5,702	
1959.....	53,404	732	2,960	16,675	4,011	11,127	2,946	8,182	2,594	7,115	8,190	2,233	5,957	
1960.....	54,370	712	2,885	16,796	4,004	11,391	3,004	8,388	2,669	7,392	8,520	2,270	6,250	
1961.....	54,224	672	2,816	16,327	3,903	11,337	2,993	8,344	2,731	7,610	8,828	2,279	6,548	
1962.....	55,841	652	2,909	16,859	3,903	11,582	3,061	8,521	2,798	7,949	9,188	2,340	6,849	
1963.....	57,174	634	3,029	17,035	3,913	11,865	3,143	8,722	2,866	8,297	9,535	2,358	7,177	
1963:														
April.....	56,505	632	2,846	16,845	3,859	11,740	3,075	8,665	2,842	8,199	9,542	2,344	7,198	
May.....	56,967	643	3,049	16,960	3,897	11,720	3,085	8,635	2,858	8,294	9,546	2,340	7,206	
June.....	57,609	650	3,232	17,111	3,954	11,848	3,132	8,716	2,885	8,423	9,506	2,365	7,141	
July.....	57,422	641	3,364	17,050	3,975	11,832	3,168	8,664	2,916	8,474	9,170	2,375	6,795	
August....	57,651	646	3,437	17,199	3,976	11,878	3,196	8,682	2,919	8,457	9,139	2,367	6,772	
September	58,211	641	3,378	17,398	3,982	11,942	3,199	8,743	2,887	8,436	9,547	2,342	7,205	
October....	58,426	637	3,333	17,367	3,968	12,014	3,208	8,806	2,884	8,472	9,751	2,343	7,408	
November..	58,220	634	3,176	17,229	3,944	12,166	3,208	8,958	2,878	8,406	9,787	2,342	7,445	
December..	58,585	631	2,925	17,139	3,931	12,774	3,238	9,536	2,880	8,379	9,926	2,482	7,444	
1964:														
January..	56,909	614	2,628	16,935	3,876	11,917	3,201	8,716	2,875	8,313	9,751	2,323	7,428	
February..	57,045	611	2,681	16,982	3,879	11,837	3,187	8,650	2,885	8,362	9,808	2,321	7,487	
March....	57,375	610	2,756	17,054	3,885	11,921	3,186	8,735	2,895	8,414	9,840	2,323	7,517	
April.....	57,872	620	2,958	17,093	3,911	11,974	3,187	8,787	2,913	8,543	9,860	2,331	7,529	

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.
Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

Table B-2: Employees on nonagricultural payrolls, by industry

Industry	(In thousands)									
	All employees					Production workers ¹				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
TOTAL	57,872	57,375	57,045	56,505	55,714	-	-	-	-	-
MINING	620	610	611	632	616	-	474	474	496	481
METAL MINING	-	93.4	82.9	81.5	78.7	-	69.2	68.6	67.3	64.5
Iron ores.....	-	26.9	26.7	24.4	23.1	-	22.7	22.5	20.5	19.2
Copper ores.....	-	28.7	28.5	28.5	28.0	-	23.6	23.4	23.4	22.9
COAL MINING	-	129.5	134.1	142.8	141.7	-	113.8	118.1	125.8	124.7
Bituminous.....	-	118.2	122.7	131.9	130.5	-	103.8	108.0	116.1	114.9
CRUDE PETROLEUM AND NATURAL GAS	-	287.0	287.1	289.7	288.1	-	201.9	201.9	205.2	204.5
Crude petroleum and natural gas fields.....	-	159.5	160.6	162.9	162.3	-	91.5	92.0	95.9	96.1
Oil and gas field services.....	-	127.5	126.5	126.8	125.8	-	110.4	109.9	109.3	108.4
QUARRYING AND NONMETALLIC MINING	-	109.6	106.8	118.1	107.7	-	88.8	85.7	97.7	87.3
CONTRACT CONSTRUCTION	2,958	2,756	2,681	2,846	2,556	-	2,300	2,228	2,398	2,114
GENERAL BUILDING CONTRACTORS	-	838.4	816.4	864.0	768.6	-	706.8	684.3	735.4	641.5
HEAVY CONSTRUCTION	-	477.9	459.6	551.0	451.0	-	396.8	380.3	474.0	376.1
Highway and street construction.....	-	216.7	203.0	274.9	203.8	-	183.4	170.3	243.5	173.4
Other heavy construction.....	-	261.2	256.6	276.1	247.2	-	213.4	210.0	230.5	202.7
SPECIAL TRADE CONTRACTORS	-	1,439.6	1,405.1	1,430.9	1,336.5	-	1,196.3	1,163.2	1,188.5	1,096.7
MANUFACTURING	17,093	17,054	16,982	16,845	16,756	12,612	12,588	12,518	12,426	12,344
DURABLE GOODS	9,797	9,733	9,676	9,593	9,508	7,184	7,131	7,075	7,010	6,919
NONDURABLE GOODS	7,296	7,321	7,306	7,252	7,248	5,428	5,457	5,443	5,416	5,425
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	262.2	265.4	270.0	273.9	277.9	110.3	111.9	113.9	117.5	119.8
Ammunition, except for small arms.....	185.4	188.2	191.9	186.9	189.8	64.0	65.3	66.6	65.7	67.3
Sighting and fire control equipment.....	-	20.7	21.4	29.4	30.1	-	8.6	9.0	12.4	12.8
Other ordnance and accessories.....	56.7	56.5	56.7	57.6	58.0	38.2	38.0	38.3	39.4	39.7
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	576.7	567.7	566.3	571.9	560.9	510.9	503.3	504.3	511.0	500.5
Logging camps and logging contractors.....	73.9	70.7	74.9	74.1	71.1	66.8	63.9	69.5	68.9	66.5
Sawmills and planing mills.....	246.8	244.8	242.2	248.3	244.9	224.1	222.6	220.9	227.0	223.3
Sawmills and planing mills, general.....	-	210.7	208.1	215.4	212.0	-	191.4	189.6	196.8	193.2
Millwork, plywood, and related products.....	155.5	153.4	152.4	151.7	148.0	131.6	130.0	128.9	128.7	125.3
Millwork.....	-	69.9	69.4	67.3	65.9	-	56.6	55.9	54.0	52.8
Veneer and plywood.....	-	70.3	70.3	70.5	70.1	-	64.8	64.9	65.3	65.0
Wooden containers.....	34.6	34.0	33.5	35.0	34.3	31.2	30.6	30.2	31.9	31.1
Wooden boxes, shooks, and crates.....	-	26.2	26.0	26.5	26.1	-	23.6	23.4	24.1	23.5
Miscellaneous wood products.....	65.9	64.8	63.3	62.8	62.6	57.2	56.2	54.8	54.5	54.3

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
EMPLOYMENT

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)					Production workers ¹				
	All employees									
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
FURNITURE AND FIXTURES	394.9	394.7	391.3	382.6	383.0	327.5	327.8	325.0	317.8	317.7
Household furniture	292.1	292.3	289.9	278.9	278.6	249.5	249.9	247.9	238.7	238.0
Wood house furniture, unupholstered	-	151.2	150.8	145.2	144.3	-	134.4	133.9	129.2	128.0
Wood house furniture, upholstered	-	73.1	72.3	68.1	68.4	-	61.1	60.5	57.1	57.3
Mattresses and bedsprings	-	34.3	34.2	33.3	33.6	-	26.8	26.7	25.9	26.2
Office furniture	-	26.1	25.7	26.8	27.0	-	20.4	20.2	21.2	21.4
Partitions; office and store fixtures	-	36.0	35.7	37.8	38.7	-	26.4	26.2	28.0	28.7
Other furniture and fixtures	41.4	40.3	40.0	39.1	38.7	32.0	31.1	30.7	29.9	29.6
STONE, CLAY, AND GLASS PRODUCTS	612.1	598.3	589.5	599.6	574.1	490.4	480.0	470.6	482.4	457.7
Flat glass	-	31.0	31.7	29.9	29.3	-	24.8	25.5	24.2	23.6
Glass and glassware, pressed or blown	115.6	114.2	112.5	112.6	110.9	100.7	99.3	97.5	96.9	95.0
Glass containers	-	64.3	62.9	65.3	63.9	-	56.7	55.2	57.5	56.1
Pressed and blown glassware, n.e.c.	-	49.9	49.6	47.3	47.0	-	42.6	42.3	39.4	38.9
Cement, hydraulic	38.8	37.8	36.7	40.0	36.3	30.3	29.5	28.4	31.8	28.4
Structural clay products	67.3	65.6	63.6	67.7	63.9	57.0	55.3	53.3	57.4	54.1
Brick and structural clay tile	-	27.8	26.7	29.2	26.9	-	24.5	23.4	25.9	23.7
Pottery and related products	-	44.4	43.7	43.6	43.0	-	37.9	37.1	37.2	36.4
Concrete, gypsum, and plaster products	172.0	162.5	159.6	168.0	154.8	133.7	124.8	121.6	131.1	118.2
Other stone and mineral products	122.5	121.6	120.9	118.5	116.5	91.4	91.0	90.3	88.0	86.1
Abrasive products	-	23.3	23.2	23.0	23.3	-	14.7	14.6	14.0	14.2
PRIMARY METAL INDUSTRIES	1,202.3	1,190.1	1,181.3	1,174.8	1,151.9	976.7	966.4	958.3	952.6	929.2
Blast furnace and basic steel products	607.7	596.3	589.3	597.9	578.5	495.9	486.6	480.2	488.7	468.6
Blast furnaces, steel and rolling mills	-	529.2	522.9	531.2	512.5	-	433.8	428.0	436.7	417.5
Iron and steel foundries	209.5	208.2	207.0	197.2	195.1	179.5	178.2	177.2	167.4	165.2
Gray iron foundries	-	123.8	123.6	117.8	117.4	-	106.8	106.8	101.3	100.8
Malleable iron foundries	-	24.9	24.6	25.3	24.9	-	21.2	20.9	21.2	20.8
Steel foundries	-	59.5	58.8	54.1	52.8	-	50.2	49.5	44.9	43.6
Nonferrous smelting and refining	70.2	70.2	70.0	67.6	66.7	54.3	54.1	53.8	52.2	51.4
Nonferrous rolling, drawing, and extruding	184.0	184.2	184.0	182.0	181.4	140.5	140.5	140.4	138.8	138.3
Copper rolling, drawing, and extruding	-	47.3	47.0	46.7	46.3	-	36.4	36.2	36.2	36.0
Aluminum rolling, drawing, and extruding	-	60.5	60.3	59.4	59.2	-	46.0	45.8	44.9	44.7
Nonferrous wire drawing and insulating	-	59.0	59.2	59.1	59.1	-	46.0	46.3	45.8	45.8
Nonferrous foundries	72.6	72.8	72.6	71.5	71.5	60.2	60.5	60.4	59.3	59.4
Aluminum castings	-	36.7	36.6	35.6	35.5	-	31.1	31.0	29.9	29.9
Other nonferrous castings	-	36.1	36.0	35.9	36.0	-	29.4	29.4	29.4	29.5
Miscellaneous primary metal industries	58.3	58.4	58.4	58.6	58.7	46.3	46.5	46.3	46.2	46.3
Iron and steel forgings	-	40.1	40.2	40.4	40.3	-	32.3	32.3	32.3	32.2
FABRICATED METAL PRODUCTS	1,178.1	1,169.8	1,164.2	1,133.7	1,121.5	903.8	897.5	891.9	867.6	855.4
Metal cans	63.0	62.4	61.4	62.0	60.2	52.9	52.4	51.4	51.8	49.8
Cutlery, hand tools, and general hardware	139.2	139.8	139.9	134.8	134.8	109.8	110.4	110.4	105.9	105.9
Cutlery and hand tools, including saws	-	52.9	53.3	52.4	52.6	-	41.5	41.9	40.8	40.9
Hardware, n.e.c.	-	86.9	86.6	82.4	82.2	-	68.9	68.5	65.1	65.0
Heating equipment and plumbing fixtures	79.0	78.2	78.5	74.8	74.3	59.9	59.1	59.1	55.9	55.8
Sanitary ware and plumbers' brass goods	-	33.7	33.4	33.0	32.8	-	27.5	27.2	27.1	26.7
Heating equipment, except electric	-	44.5	45.1	41.8	41.5	-	31.6	31.9	28.8	29.1
Fabricated structural metal products	340.0	334.4	332.7	327.5	320.8	239.6	235.5	233.5	230.7	224.1
Fabricated structural steel	-	93.1	92.7	92.5	90.5	-	68.5	67.8	67.8	65.7
Metal doors, sash, frames, and trim	-	60.2	59.9	59.7	57.6	-	42.5	42.4	42.6	41.0
Fabricated plate work (boiler shops)	-	88.2	87.5	84.1	83.5	-	57.8	57.0	54.4	53.5
Sheet metal work	-	59.1	58.9	58.2	56.6	-	43.1	42.7	42.7	41.2
Architectural and miscellaneous metal work	-	33.8	33.7	33.0	32.6	-	23.6	23.6	23.2	22.7
Screw machine products, bolts, etc.	89.2	89.4	89.0	88.3	88.9	69.7	69.9	69.8	69.7	70.1
Screw machine products	-	38.0	37.8	38.2	38.3	-	31.8	31.7	32.2	32.3
Bolts, nuts, screws, rivets, and washers	-	51.4	51.2	50.1	50.6	-	38.1	38.1	37.5	37.8
Metal stampings	203.3	203.2	203.1	194.4	192.7	165.0	164.9	165.1	157.4	155.7
Coating, engraving, and allied services	73.3	72.5	70.7	68.7	66.9	61.5	60.8	59.2	56.9	55.3
Miscellaneous fabricated wire products	60.3	59.7	59.5	57.3	57.3	48.7	48.1	47.7	45.5	45.4
Miscellaneous fabricated metal products	130.8	130.2	129.4	125.9	125.6	96.7	96.4	95.7	93.8	93.3
Valves, pipe, and pipe fittings	-	78.7	78.2	76.3	75.8	-	56.5	55.9	54.5	54.1

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)									
	All employees					Production workers ¹				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
MACHINERY	1,591.2	1,583.4	1,555.1	1,518.8	1,514.4	1,111.2	1,105.9	1,081.3	1,055.5	1,050.8
Engines and turbines	86.9	86.3	85.7	85.7	85.7	57.9	57.5	56.9	56.7	56.7
Steam engines and turbines	-	33.7	34.0	35.3	35.3	-	18.8	19.0	19.8	19.8
Internal combustion engines, n.e.c.	-	52.6	51.7	50.4	50.4	-	38.7	37.9	36.9	36.9
Farm machinery and equipment	-	128.2	126.8	125.0	125.1	-	95.2	93.6	91.9	91.9
Construction and related machinery	227.5	226.1	207.3	211.6	210.8	155.1	153.9	135.9	141.0	140.2
Construction and mining machinery	-	126.2	107.9	116.3	115.4	-	89.4	71.8	80.4	79.4
Oil field machinery and equipment	-	33.4	33.2	32.0	32.1	-	22.3	22.1	21.0	21.1
Conveyors, hoists, and industrial cranes	-	30.8	30.7	29.0	29.0	-	20.4	20.5	18.8	19.0
Metalworking machinery and equipment	289.6	287.4	283.7	269.4	268.4	217.8	216.3	213.4	201.4	199.5
Machine tools, metal cutting types	-	74.9	74.1	69.4	69.0	-	52.0	51.5	48.0	47.6
Special dies, tools, jigs, and fixtures	-	101.2	99.2	95.2	95.2	-	83.4	81.8	77.7	77.0
Machine tool accessories	-	46.5	46.4	44.8	44.4	-	33.7	33.7	32.7	32.3
Miscellaneous metalworking machinery	-	64.8	64.0	60.0	59.8	-	47.2	46.4	43.0	42.6
Special industry machinery	173.8	172.5	171.7	168.5	168.1	119.5	118.7	117.9	116.0	115.4
Food products machinery	-	33.0	32.8	32.8	32.8	-	21.5	21.3	21.3	21.3
Textile machinery	-	38.9	38.8	37.4	37.4	-	29.8	29.8	28.7	28.6
General industrial machinery	241.2	240.0	238.8	229.5	229.3	160.2	159.8	160.1	153.2	153.3
Pumps; air and gas compressors	-	66.7	66.3	63.8	63.6	-	37.6	38.1	36.9	36.9
Ball and roller bearings	-	52.2	51.9	50.1	49.9	-	41.0	40.8	38.9	38.8
Mechanical power transmission goods	-	48.2	47.7	45.5	45.1	-	35.6	35.2	33.7	33.4
Office, computing, and accounting machines	153.6	153.9	155.2	153.5	153.9	89.7	89.7	90.6	92.1	93.0
Computing machines and cash registers	-	110.1	111.4	109.5	109.8	-	59.7	60.6	61.4	62.4
Service industry machines	102.5	102.1	101.4	101.9	100.1	70.2	70.1	69.5	69.8	68.0
Refrigeration, except home refrigerators	-	65.2	64.9	64.8	63.2	-	45.1	44.7	45.0	43.6
Miscellaneous machinery	187.7	186.9	184.5	173.7	173.0	145.3	144.7	143.4	133.4	132.8
Machine shops, jobbing and repair	-	126.9	125.1	119.4	119.2	-	100.0	99.1	92.9	92.8
Machine parts, n.e.c., except electrical	-	60.0	59.4	54.3	53.8	-	44.7	44.3	40.5	40.0
ELECTRICAL EQUIPMENT AND SUPPLIES	1,550.2	1,550.4	1,557.0	1,572.4	1,577.4	1,036.1	1,035.4	1,040.1	1,047.7	1,049.9
Electric distribution equipment	170.8	170.6	171.0	167.6	167.4	113.2	113.1	113.1	110.9	110.4
Electric measuring instruments	-	55.1	55.4	55.9	56.0	-	35.5	35.8	36.9	37.0
Power and distribution transformers	-	44.2	44.4	42.1	41.9	-	30.7	30.6	28.8	28.4
Switchgear and switchboard apparatus	-	71.3	71.2	69.6	69.5	-	46.9	46.7	45.2	45.0
Electrical industrial apparatus	189.8	189.5	188.7	186.1	185.7	130.2	130.0	129.1	127.3	126.5
Motors and generators	-	102.7	102.7	100.9	100.4	-	71.6	71.4	70.4	69.8
Industrial controls	-	49.1	49.0	49.7	49.7	-	31.9	31.9	32.3	32.3
Household appliances	159.3	157.6	158.0	151.9	149.2	122.2	120.9	121.1	116.5	113.9
Household refrigerators and freezers	-	52.8	53.3	48.5	46.7	-	41.6	42.0	38.1	36.3
Household laundry equipment	-	24.3	24.7	24.1	24.3	-	18.4	18.8	18.0	18.2
Electric housewares and fans	-	34.1	33.8	34.2	34.3	-	25.9	25.6	26.2	26.4
Electric lighting and wiring equipment	152.8	153.5	153.1	147.0	147.2	119.1	119.9	119.2	114.4	114.4
Electric lamps	-	31.1	31.1	30.1	30.0	-	27.1	27.1	26.2	26.1
Lighting fixtures	-	54.1	53.7	51.2	51.6	-	41.8	41.3	39.2	39.4
Wiring devices	-	68.3	68.3	65.7	65.6	-	51.0	50.8	49.0	48.9
Radio and TV receiving sets	108.4	106.2	108.6	103.7	104.9	80.7	79.1	81.6	75.2	76.4
Communication equipment	404.9	408.4	410.8	441.0	447.1	203.4	205.0	206.2	226.2	230.3
Telephone and telegraph apparatus	-	120.1	119.3	121.4	123.4	-	79.1	78.2	79.9	81.2
Radio and TV communication equipment	-	288.3	291.5	319.6	323.7	-	125.9	128.0	146.3	149.1
Electronic components and accessories	261.1	260.5	260.2	264.7	265.5	189.7	189.2	189.3	193.8	194.6
Electron tubes	-	64.9	65.2	69.7	69.8	-	42.6	42.9	47.4	47.4
Electronic components, n.e.c.	-	195.6	195.0	195.0	195.7	-	146.6	146.4	146.4	147.2
Miscellaneous electrical equipment and supplies	103.1	104.1	106.6	110.4	110.4	77.6	78.2	80.5	83.4	83.4
Electrical equipment for engines	-	62.2	63.0	66.8	67.1	-	47.4	47.9	51.3	51.6
TRANSPORTATION EQUIPMENT	1,662.7	1,650.5	1,643.7	1,616.5	1,603.7	1,167.4	1,156.5	1,147.7	1,118.0	1,104.4
Motor vehicles and equipment	786.0	776.9	769.1	738.9	727.4	611.8	604.4	597.6	574.6	563.6
Motor vehicles	-	310.7	305.6	292.8	284.1	-	230.5	225.6	216.9	208.9
Passenger car bodies	-	68.6	68.1	68.4	68.7	-	55.8	55.4	55.8	56.1
Truck and bus bodies	-	35.6	35.1	34.9	34.0	-	28.9	28.5	28.4	27.5
Motor vehicle parts and accessories	-	340.0	339.9	322.5	319.9	-	272.6	273.0	258.1	255.4
Aircraft and parts	636.3	639.7	641.6	647.6	649.4	357.1	359.6	359.6	353.3	352.8
Aircraft	-	334.4	334.4	330.8	331.4	-	186.0	185.2	172.0	171.3
Aircraft engines and engine parts	-	203.6	205.5	211.3	213.0	-	107.8	108.9	113.3	114.3
Other aircraft parts and equipment	-	101.7	101.7	105.5	105.0	-	65.8	65.5	68.0	67.2
Ship and boat building and repairing	144.2	140.9	141.9	149.4	149.3	121.1	118.3	118.2	127.1	127.5
Ship building and repairing	-	113.4	114.9	121.3	122.0	-	95.5	95.8	103.4	104.5
Boat building and repairing	-	27.5	27.0	28.1	27.3	-	22.8	22.4	23.7	23.0
Railroad equipment	-	51.2	50.3	43.0	42.3	-	39.8	39.0	32.3	31.7
Other transportation equipment	-	41.8	40.8	37.6	35.3	-	34.4	33.3	30.7	28.8

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)					Production workers ¹				
	All employees									
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
INSTRUMENTS AND RELATED PRODUCTS	375.6	374.5	373.6	367.3*	366.0	237.6	237.5	237.0	234.5	233.1
Engineering and scientific instruments	-	70.6	71.1	73.6	74.1	-	36.7	36.9	38.9	39.4
Mechanical measuring and control devices	99.6	99.6	99.3	97.4	97.5	64.8	65.0	64.8	63.7	63.7
Mechanical measuring devices	-	61.2	61.0	60.3	60.4	-	38.3	38.1	38.0	38.1
Automatic temperature controls	-	38.4	38.3	37.1	37.1	-	26.7	26.7	25.7	25.6
Optical and ophthalmic goods	43.7	43.6	43.5	41.0	40.9	31.5	31.3	31.3	29.6	29.5
Surgical, medical, and dental equipment	55.1	54.7	53.9	52.7	52.3	38.4	38.2	37.6	37.2	36.8
Photographic equipment and supplies	(*)	77.1	76.8	73.8	73.1	(*)	43.3	43.1	41.8	41.2
Watches and clocks	-	28.9	29.0	28.8	28.1	-	23.0	23.3	23.3	22.5
MISCELLANEOUS MANUFACTURING INDUSTRIES	391.3	387.8	383.5	381.2	377.0	312.2	308.7	304.6	304.9	300.3
Jewelry, silverware, and plated ware	44.1	44.0	43.3	41.6	41.5	34.3	34.3	33.6	32.3	31.9
Toys, amusement, and sporting goods	-	94.9	91.6	96.8	92.3	-	77.0	73.9	80.1	75.5
Toys, games, dolls, and play vehicles	-	55.3	53.1	56.7	52.7	-	45.4	43.2	47.5	43.5
Sporting and athletic goods, n.e.c.	-	39.6	38.5	40.1	39.6	-	31.6	30.7	32.6	32.0
Pens, pencils, office, and art materials	-	31.3	31.6	31.7	31.4	-	23.1	23.3	23.8	23.6
Costume jewelry, buttons, and notions	-	57.9	57.7	55.2	56.1	-	48.1	47.7	45.6	46.3
Other manufacturing industries	158.9	159.7	159.3	155.9	155.7	125.4	126.2	126.1	123.1	123.0
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	1,647.2	1,639.6	1,644.8	1,659.4	1,658.2	1,066.0	1,059.0	1,063.9	1,080.5	1,080.9
Meat products	296.8	296.4	297.2	300.6	299.1	235.3	235.5	236.6	240.3	239.0
Meat packing	-	188.5	190.2	190.0	191.0	-	146.7	148.5	148.7	149.8
Sausages and other prepared meats	-	45.1	45.4	45.6	45.9	-	32.1	32.6	32.5	32.7
Poultry dressing and packing	-	62.8	61.6	65.0	62.2	-	56.7	55.5	59.1	56.5
Dairy products	288.0	286.1	284.2	294.2	292.0	139.2	138.1	136.4	145.4	143.0
Ice cream and frozen desserts	-	29.2	28.6	32.7	31.0	-	15.1	14.5	17.5	16.2
Fluid milk	-	205.4	204.8	208.5	208.4	-	83.3	83.1	87.4	87.1
Canned and preserved food, except meats	-	183.1	181.8	197.5	197.4	-	146.9	145.2	159.8	159.8
Canned, cured, and frozen sea foods	-	41.0	40.2	35.6	38.6	-	35.7	34.5	30.8	33.6
Canned food, except sea foods	-	84.0	82.0	93.8	91.9	-	63.7	61.9	72.5	70.7
Frozen food, except sea foods	-	33.4	34.0	42.1	40.4	-	28.7	29.3	37.1	35.5
Grain mill products	127.5	127.8	128.3	127.8	128.6	87.9	88.5	88.4	88.9	89.6
Flour and other grain mill products	-	32.4	33.2	32.2	33.2	-	21.8	22.4	21.5	22.3
Prepared feeds for animals and fowls	-	57.3	57.4	57.4	57.1	-	38.1	38.0	38.7	38.4
Bakery products	288.8	288.8	288.1	289.4	290.6	165.1	164.6	164.2	165.9	167.2
Bread, cake, and perishable products	-	246.0	245.1	245.5	245.3	-	129.1	128.7	130.1	129.7
Biscuit, crackers, and pretzels	-	42.8	43.0	43.9	45.3	-	35.5	35.5	35.8	37.5
Sugar	-	32.5	40.5	28.9	28.4	-	25.4	33.1	22.5	22.5
Confectionery and related products	70.4	73.5	75.7	71.3	75.0	56.0	59.1	60.8	56.1	59.7
Candy and other confectionery products	-	58.4	60.7	56.4	59.9	-	48.0	49.8	45.2	48.7
Beverages	212.0	211.3	209.0	209.5	206.7	108.7	108.2	106.4	109.1	107.1
Malt liquors	-	62.4	62.2	64.9	63.9	-	41.3	40.7	43.5	42.3
Bottled and canned soft drinks	-	111.8	110.2	108.9	106.3	-	41.3	40.5	40.7	39.3
Miscellaneous food and kindred products	138.6	140.1	140.0	140.2	140.4	91.5	92.7	92.8	92.5	93.0
TOBACCO MANUFACTURES	77.4	81.6	85.7	78.6	80.8	66.1	70.2	73.9	66.9	68.8
Cigarettes	-	37.1	37.1	37.6	37.6	-	31.1	31.1	31.2	31.2
Cigars	-	25.0	24.5	23.0	23.3	-	23.5	22.7	21.4	21.6
TEXTILE MILL PRODUCTS	890.7	891.8	887.7	886.9	884.8	796.6	798.8	795.1	795.3	793.6
Cotton broad woven fabrics	231.6	233.7	233.7	233.0	233.5	213.4	215.6	215.7	215.6	216.3
Silk and synthetic broad woven fabrics	85.1	85.2	85.3	82.1	81.9	76.8	77.1	77.2	74.0	73.8
Weaving and finishing broad woolens	47.1	46.4	46.9	50.7	50.8	41.4	40.6	41.1	44.7	45.0
Narrow fabrics and small wares	27.2	27.1	27.0	26.8	26.7	24.2	24.0	23.9	23.5	23.4
Knitting	214.9	213.2	208.8	213.3	212.1	192.5	191.1	186.9	192.2	191.0
Full-fashioned hosiery	-	19.3	18.9	19.3	20.0	-	17.0	16.6	17.2	17.9
Seamless hosiery	-	78.4	78.2	79.4	79.5	-	72.5	72.2	73.3	73.4
Knit outerwear	-	64.3	61.2	64.0	62.7	-	56.1	53.2	56.6	55.4
Knit underwear	-	29.5	29.3	29.3	29.1	-	26.7	26.5	26.4	26.3
Finishing textiles, except wool and knit	74.3	74.9	74.6	74.5	74.4	63.6	64.4	64.1	63.6	63.4
Floor covering	-	38.7	38.5	37.7	37.7	-	32.2	32.0	31.4	31.3
Yarn and thread	107.4	107.5	107.2	103.1	102.4	99.0	99.5	99.1	94.9	94.4
Miscellaneous textile goods	64.9	65.1	65.7	65.7	65.3	54.0	54.3	55.1	55.4	55.0

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)									
	All employees					Production workers ¹				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Nondurable Goods--Continued</i>										
APPAREL AND RELATED PRODUCTS	1,291.8	1,326.3	1,321.9	1,280.2	1,301.2	1,144.8	1,178.3	1,174.4	1,135.3	1,157.2
Men's and boys' suits and coats	108.8	114.9	114.8	116.3	117.7	96.5	102.7	102.8	103.9	105.1
Men's and boys' furnishings	331.4	331.7	328.8	326.8	323.6	300.9	300.9	298.2	297.3	294.1
Men's and boys' shirts and nightwear	-	122.5	121.9	124.6	123.2	-	110.9	110.3	112.4	111.1
Men's and boys' separate trousers	-	65.4	64.8	64.0	63.8	-	61.7	61.1	60.5	60.2
Work clothing	-	78.0	77.1	72.3	71.6	-	69.8	69.0	65.1	64.4
Women's, misses', and juniors' outerwear	390.0	411.1	411.2	390.5	404.8	347.1	368.2	368.2	349.0	364.2
Women's blouses, waists, and shirts	-	52.3	51.3	49.1	48.6	-	47.8	46.9	44.8	44.4
Women's, misses', and juniors' dresses	-	204.5	199.3	205.9	200.4	-	183.8	178.1	185.2	180.3
Women's suits, skirts, and coats	-	80.6	88.8	62.0	83.1	-	71.5	79.7	54.0	75.0
Women's and misses' outerwear, n.e.c.	-	73.7	71.8	73.5	72.7	-	65.1	63.5	65.0	64.5
Women's and children's undergarments	119.1	120.0	119.2	116.4	116.5	105.7	106.5	105.7	102.8	102.8
Women's and children's underwear	-	77.8	76.8	75.9	76.4	-	71.3	70.3	69.3	69.9
Corsets and allied garments	-	42.2	42.4	40.5	40.1	-	35.2	35.4	33.5	32.9
Hats, caps, and millinery	-	35.2	35.7	31.2	35.8	-	31.5	31.7	27.3	31.9
Girls' and children's outerwear	80.0	80.2	83.4	75.4	81.3	71.5	71.5	74.8	66.9	72.6
Children's dresses, blouses, and shirts	-	38.6	39.1	37.6	38.2	-	34.6	35.2	33.6	34.1
Fur goods and miscellaneous apparel	-	73.1	71.8	71.0	71.5	-	63.6	62.1	61.2	62.1
Miscellaneous fabricated textile products	160.2	160.1	157.0	152.6	150.0	133.8	133.4	130.9	126.9	124.4
Housefurnishings	-	57.4	55.4	52.4	52.9	-	48.1	46.5	43.8	44.4
PAPER AND ALLIED PRODUCTS	622.3	620.9	619.0	614.5	613.2	485.9	485.1	483.1	483.0	482.3
Paper and pulp	213.6	212.7	212.7	212.9	212.2	169.1	169.8	169.7	171.3	170.5
Paperboard	67.5	68.3	68.2	66.8	67.4	54.3	54.3	53.9	53.1	53.7
Converted paper and paperboard products	151.3	150.5	149.6	147.5	146.6	111.7	110.5	109.9	109.9	109.7
Bags, except textile bags	-	35.5	35.0	35.1	35.2	-	28.5	28.1	28.4	28.7
Paperboard containers and boxes	189.9	189.4	188.5	187.3	187.0	150.8	150.5	149.6	148.7	148.4
Folding and setup paperboard boxes	-	67.1	67.0	67.1	66.7	-	55.2	54.9	54.9	54.7
Corrugated and solid fiber boxes	-	80.6	80.2	79.2	79.3	-	62.0	61.6	60.6	60.5
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	943.1	942.1	937.9	925.3	907.7	598.8	598.7	594.2	588.4	579.3
Newspaper publishing and printing	327.0	325.8	324.3	321.3	303.0	166.1	165.1	164.1	161.7	151.9
Periodical publishing and printing	-	70.7	71.1	70.3	71.2	-	27.5	27.3	28.6	28.9
Books	-	78.2	77.9	73.7	72.8	-	48.7	44.7	44.7	44.3
Commercial printing	304.1	303.5	301.0	296.5	297.5	237.3	237.5	235.2	232.2	233.7
Commercial printing, except lithographic	-	204.5	202.9	198.6	199.7	-	161.6	159.8	156.9	158.1
Commercial printing, lithographic	-	88.7	88.0	87.3	87.1	-	67.7	67.3	66.5	66.7
Bookbinding and related industries	50.1	49.7	49.2	50.1	49.7	40.1	39.8	39.4	40.4	39.9
Other publishing and printing industries	113.8	114.2	113.4	113.4	113.5	79.7	80.1	80.2	80.8	80.6
CHEMICALS AND ALLIED PRODUCTS	883.3	874.9	866.4	870.1	858.1	535.0	528.3	521.1	531.9	521.5
Industrial chemicals	287.7	285.2	284.8	284.6	283.2	164.6	162.6	162.4	164.8	163.9
Plastics and synthetics, except glass	176.5	174.6	173.6	166.0	164.7	118.9	117.4	116.6	111.3	110.7
Plastics and synthetics, except fibers	-	75.6	75.2	72.2	71.6	-	48.3	47.9	45.9	45.7
Synthetic fibers	-	85.7	85.2	80.6	79.9	-	60.2	59.9	56.7	56.4
Drugs	117.1	117.0	116.5	115.1	114.6	62.5	62.6	62.1	62.2	61.5
Pharmaceutical preparations	-	86.1	85.6	84.8	84.6	-	44.6	44.2	44.1	43.9
Soap, cleaners, and toilet goods	99.4	98.5	97.8	98.3	98.2	60.5	59.8	59.5	59.3	59.6
Soap and detergents	-	35.5	35.5	35.8	36.1	-	24.8	24.8	24.9	25.3
Toilet preparations	-	33.9	33.7	34.1	34.0	-	20.0	20.0	20.4	20.3
Paints, varnishes, and allied products	65.1	64.6	64.0	63.6	62.8	36.8	36.6	36.2	36.4	35.6
Agricultural chemicals	59.8	56.2	51.5	61.3	53.4	42.7	39.4	35.1	44.9	37.4
Fertilizers, complete and mixing only	-	43.7	39.4	48.9	41.3	-	32.7	28.6	38.0	30.7
Other chemical products	77.7	78.8	78.2	81.2	81.2	49.0	49.9	49.2	53.0	52.8
PETROLEUM REFINING AND RELATED INDUSTRIES	183.5	183.2	183.4	187.0	185.7	114.8	114.2	114.2	119.1	117.4
Petroleum refining	150.6	151.0	151.3	153.6	154.3	92.2	92.4	92.6	95.8	96.1
Other petroleum and coal products	32.9	32.2	32.1	33.4	31.4	22.6	21.8	21.6	23.3	21.3
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	414.0	411.9	409.8	408.1	406.6	319.1	317.3	315.2	315.2	313.9
Tires and inner tubes	96.9	96.3	95.9	98.3	98.1	69.7	69.1	68.8	71.4	71.3
Other rubber products	161.7	160.7	161.1	160.6	160.9	126.5	125.7	125.7	125.9	126.1
Miscellaneous plastic products	155.4	154.9	152.8	149.2	147.6	122.9	122.5	120.7	117.9	116.5
LEATHER AND LEATHER PRODUCTS	342.5	348.9	349.5	342.0	351.5	300.6	307.1	307.9	300.5	310.0
Leather tanning and finishing	31.5	31.3	31.4	30.6	30.8	27.6	27.4	27.6	26.8	27.0
Footwear, except rubber	231.8	236.9	238.3	232.1	237.4	205.4	210.4	211.7	206.2	211.5
Other leather products	79.2	80.7	79.8	79.3	83.3	67.6	69.3	68.6	67.5	71.5

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**
Table B-2: Employees on nonagricultural payrolls, by industry--Continued

	(In thousands)									
	All employees					Production workers ¹				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
TRANSPORTATION AND PUBLIC UTILITIES	3,911	3,885	3,879	3,859	3,847	-	-	-	-	-
RAILROAD TRANSPORTATION	-	753.9	752.9	768.9	761.0	-	-	-	-	-
Class I railroads	-	660.5	659.4	674.4	666.9	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT	-	274.5	282.8	273.2	275.7	-	-	-	-	-
Local and suburban transportation	-	80.3	86.8	87.3	87.8	-	76.1	82.4	83.0	83.7
Taxicabs	-	115.2	117.4	113.9	116.9	-	-	-	-	-
Intercity and rural bus lines	-	40.7	40.8	40.5	39.7	-	37.5	37.6	37.5	36.8
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	886.4	888.0	868.3	858.6	-	800.9	802.2	787.2	777.9
AIR TRANSPORTATION	-	215.3	214.2	208.4	207.8	-	-	-	-	-
Air transportation, common carriers	-	195.6	194.7	186.7	186.5	-	-	-	-	-
PIPELINE TRANSPORTATION	-	19.4	19.4	20.0	20.0	-	16.5	16.5	17.2	17.2
OTHER TRANSPORTATION	-	292.2	283.0	294.0	297.9	-	-	-	-	-
COMMUNICATION	-	833.8	830.4	823.7	821.2	-	-	-	-	-
Telephone communication	-	691.6	688.4	684.5	683.1	-	554.2	550.9	544.1	552.8
Telegraph communication	-	32.9	32.9	35.0	35.0	-	22.9	22.9	24.9	25.1
Radio and television broadcasting	-	105.0	104.8	99.9	98.8	-	86.2	85.5	81.3	81.2
ELECTRIC, GAS, AND SANITARY SERVICES	-	609.0	608.3	602.8	605.2	-	529.3	528.8	526.4	528.5
Electric companies and systems	-	245.7	245.5	240.9	244.7	-	208.8	208.6	205.6	209.2
Gas companies and systems	-	153.5	153.5	153.1	152.9	-	134.9	134.9	135.2	135.0
Combined utility systems	-	170.6	170.5	170.8	170.4	-	151.5	151.5	152.3	151.9
Water, steam, and sanitary systems	-	39.2	38.8	38.0	37.2	-	34.1	33.8	33.3	32.4
WHOLESALE AND RETAIL TRADE²	11,974	11,921	11,837	11,740	11,497	-	8,997	8,930	8,898	8,687
WHOLESALE TRADE	3,187	3,186	3,187	3,075	3,069	-	2,715	2,720	2,630	2,625
Motor vehicles and automotive equipment	-	237.6	237.4	232.6	232.0	-	199.9	200.1	197.1	196.3
Drugs, chemicals, and allied products	-	191.9	191.4	189.1	189.2	-	158.8	158.7	157.1	157.1
Dry goods and apparel	-	134.7	134.2	131.7	131.9	-	111.3	110.9	108.8	109.3
Groceries and related products	-	496.6	497.0	472.4	476.9	-	437.8	438.5	415.9	420.2
Electrical goods	-	233.0	231.7	226.4	224.6	-	196.9	196.9	196.7	195.6
Hardware, plumbing, and heating goods	-	146.4	146.0	144.1	142.9	-	125.8	125.6	124.7	123.8
Machinery, equipment, and supplies	-	564.1	563.9	532.1	528.3	-	478.2	478.5	452.5	448.6
RETAIL TRADE²	8,787	8,735	8,650	8,665	8,428	-	6,282	6,210	6,268	6,062
GENERAL MERCHANDISE STORES	-	1,622.3	1,584.8	1,617.5	1,537.2	-	1,476.7	1,439.0	1,480.1	1,401.2
Department stores	-	955.4	930.9	949.4	903.3	-	872.6	848.1	869.9	824.1
Limited price variety stores	-	312.2	302.6	328.1	307.5	-	286.7	277.0	304.2	283.2
FOOD STORES	-	1,433.7	1,434.9	1,401.3	1,393.1	-	1,336.5	1,335.7	1,305.6	1,296.5
Grocery, meat, and vegetable stores	-	1,263.4	1,261.5	1,221.7	1,222.5	-	1,174.1	1,171.0	1,135.2	1,135.2
APPAREL AND ACCESSORIES STORES	-	627.0	592.6	665.7	586.5	-	566.6	533.0	608.0	528.8
Men's and boys' apparel stores	-	101.2	102.0	100.7	95.6	-	91.1	92.0	91.4	86.2
Women's ready-to-wear stores	-	235.2	222.7	238.6	221.9	-	213.7	201.8	217.9	201.6
Family clothing stores	-	91.4	90.7	92.9	88.9	-	85.0	84.3	86.0	82.0
Shoe stores	-	126.0	112.3	156.4	115.2	-	110.9	97.2	142.6	101.4
FURNITURE AND APPLIANCE STORES	-	396.0	395.6	387.5	388.9	-	350.9	351.1	344.0	345.3
EATING AND DRINKING PLACES	-	1,771.8	1,756.9	1,743.9	1,713.7	-	-	-	-	-
OTHER RETAIL TRADE	-	2,884.5	2,884.8	2,849.2	2,808.5	-	2,551.0	2,550.8	2,530.7	2,490.5
Motor vehicle dealers	-	691.5	691.8	669.6	666.8	-	598.8	599.3	582.2	580.8
Other vehicle and accessory dealers	-	164.1	162.9	161.7	155.6	-	140.7	139.1	137.9	132.0
Drug stores	-	384.0	383.8	378.1	376.8	-	353.4	353.6	349.7	348.5

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
EMPLOYMENT**

Table B-2: Employees on nonagricultural payrolls, by industry--Continued

Industry	(In thousands)					Production workers ¹				
	All employees									
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
FINANCE, INSURANCE, AND REAL ESTATE	2,913	2,895	2,885	2,842	2,825	-	-	-	-	-
Banking	-	750.7	748.9	730.6	729.2	-	632.2	630.8	618.2	617.1
Credit agencies other than banks	-	299.8	299.6	288.0	286.3	-	-	-	-	-
Savings and loan associations	-	90.5	90.6	85.1	84.4	-	-	-	-	-
Personal credit institutions	-	157.7	157.4	153.8	153.3	-	-	-	-	-
Security dealers and exchanges	-	124.7	124.4	123.0	123.6	-	(*)	(*)	112.9	113.6
Insurance carriers	-	876.2	873.2	860.0	861.3	-	(*)	(*)	770.9	773.4
Life insurance	-	467.4	466.6	459.0	460.1	-	(*)	(*)	414.5	416.2
Accident and health insurance	-	53.3	52.9	51.4	51.4	-	(*)	(*)	45.6	45.8
Fire, marine, and casualty insurance	-	313.7	311.8	308.8	309.0	-	(*)	(*)	275.6	276.1
Insurance agents, brokers, and services	-	222.5	221.6	216.6	216.1	-	-	-	-	-
Real estate	-	545.4	541.8	548.2	533.3	-	-	-	-	-
Operative builders	-	50.7	49.8	53.0	49.8	-	-	-	-	-
Other finance, insurance, and real estate	-	75.7	75.2	75.4	75.4	-	-	-	-	-
SERVICES AND MISCELLANEOUS	8,543	8,414	8,362	8,199	8,076	-	-	-	-	-
Hotel and lodging places	-	609.8	605.7	600.2	586.5	-	-	-	-	-
Hotels, tourist courts, and motels	-	568.4	565.0	554.7	545.1	-	531.1	528.2	521.5	512.7
Personal services:										
Laundries, cleaning and dyeing plants. **	-	507.8	507.9	511.1	501.7	-	451.0	450.1	374.4	365.6
Miscellaneous business services:										
Advertising	-	109.1	108.7	107.7	108.0	-	-	-	-	-
Motion pictures	-	159.3	156.7	170.2	162.4	-	-	-	-	-
Motion picture filming and distributing	-	36.4	35.6	32.9	35.0	-	24.3	22.5	20.8	21.6
Motion picture theaters and services	-	122.9	121.1	137.3	127.4	-	-	-	-	-
Medical services:										
Hospitals	-	1,333.3	1,328.7	1,289.0	1,287.1	-	-	-	-	-
GOVERNMENT	9,860	9,840	9,808	9,542	9,541	-	-	-	-	-
FEDERAL GOVERNMENT³	2,331	2,323	2,321	2,344	2,334	-	-	-	-	-
Executive	-	2,293.1	2,290.9	2,314.7	2,304.3	-	-	-	-	-
Department of Defense	-	936.8	937.3	951.9	951.8	-	-	-	-	-
Post Office Department	-	585.9	585.6	583.3	582.2	-	-	-	-	-
Other agencies	-	770.4	768.0	779.5	770.3	-	-	-	-	-
Legislative	-	24.3	24.1	23.8	23.8	-	-	-	-	-
Judicial	-	5.7	5.7	5.6	5.7	-	-	-	-	-
STATE AND LOCAL GOVERNMENT	7,529	7,517	7,487	7,198	7,207	-	-	-	-	-
State government	-	1,893.0	1,884.9	1,805.0	1,803.6	-	-	-	-	-
State education	-	684.6	681.4	631.9	636.5	-	-	-	-	-
Other State government	-	1,208.4	1,203.5	1,173.1	1,167.1	-	-	-	-	-
Local government	-	5,624.1	5,602.4	5,393.2	5,403.2	-	-	-	-	-
Local education	-	3,265.7	3,248.4	3,087.4	3,110.2	-	-	-	-	-
Other local government	-	2,358.4	2,354.0	2,305.8	2,293.0	-	-	-	-	-

¹For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; and for all other industries, to nonsupervisory workers.

²Data for nonsupervisory workers exclude eating and drinking places.

³Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

*Not available.

**Beginning January 1964, entries in the production worker columns relate to nonsupervisory workers and are not comparable with the production worker levels of prior years. Data for January 1964, previously not available: 447.7.

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
WOMEN EMPLOYMENT**
Table B-3: Women employees on payrolls of selected nonagricultural industries

Industry	January 1964		October 1963		January 1963	
	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
MINING	34	6	35	5	35	6
METAL MINING	2.1	3	2.2	3	2.4	3
COAL MINING	2.3	2	2.3	2	2.4	2
CRUDE PETROLEUM AND NATURAL GAS	25.2	9	25.2	9	25.3	9
Crude petroleum and natural gas fields	18.5	12	18.6	12	18.8	12
Oil and gas field services	6.7	5	6.6	5	6.5	5
QUARRYING AND NONMETALLIC MINING	4.7	4	5.1	4	4.5	4
MANUFACTURING	4,421	26	4,656	27	4,397	26
DURABLE GOODS	1,737	18	1,805	18	1,740	18
NONDURABLE GOODS	2,684	37	2,851	38	2,657	37
<i>Durable Goods</i>						
ORDNANCE AND ACCESSORIES	50.0	18	51.1	18	52.3	19
Ammunition, except for small arms	34.8	18	35.4	18	35.6	19
Sighting and fire control equipment	4.3	19	4.5	19	6.3	20
Other ordnance and accessories	10.9	19	11.2	19	10.4	18
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	41.4	7	43.6	7	40.9	7
Logging camps and logging contractors	1.8	2	2.1	2	1.7	2
Sawmills and planing mills	9.5	4	9.8	4	9.4	4
Sawmills and planing mills, general	7.8	4	8.1	4	7.8	4
Millwork, plywood, and related products	10.9	7	10.9	7	10.2	7
Millwork	5.2	7	5.3	7	4.8	7
Veneer and plywood	4.6	7	4.5	6	4.3	6
Wooden containers	5.5	16	6.1	17	6.1	18
Wooden boxes, shooks, and crates	4.2	16	4.5	17	4.3	17
Miscellaneous wood products	13.7	22	14.7	22	13.5	22
FURNITURE AND FIXTURES	68.2	17	70.0	18	66.1	17
Household furniture	51.8	18	53.2	18	49.5	18
Wood house furniture, unupholstered	20.1	13	21.6	14	19.7	14
Wood house furniture, upholstered	16.5	23	16.6	23	15.2	22
Mattresses and bedsprings	9.0	26	9.2	26	8.4	25
Office furniture	3.2	12	3.2	12	3.4	12
Partitions; office and store fixtures	3.3	9	3.4	9	3.5	9
Other furniture and fixtures	9.9	24	10.2	25	9.7	24
STONE, CLAY, AND GLASS PRODUCTS	90.6	16	94.3	15	89.3	16
Flat glass	1.4	4	1.4	4	1.4	5
Glass and glassware, pressed or blown	33.4	31	36.1	32	33.6	31
Glass containers	20.9	34	22.7	35	21.6	35
Pressed and blown glassware, n.e.c.	12.5	27	13.4	28	12.0	27
Cement, hydraulic	1.2	3	1.2	3	1.2	3
Structural clay products	7.3	11	7.4	11	7.3	11
Brick and structural clay tile .....	.8	3	.8	3	.8	3
Pottery and related products	14.3	32	15.0	33	13.9	32
Concrete, gypsum, and plaster products	9.5	6	9.6	5	9.0	6
Other stone and mineral products	18.0	15	17.9	15	17.8	15
Abrasive products	5.3	23	5.3	23	5.4	23
PRIMARY METAL INDUSTRIES	70.2	6	71.0	6	70.8	6
Blast furnace and basic steel products	23.2	4	23.6	4	23.3	4
Blast furnaces, steel and rolling mills	18.2	4	18.5	4	18.2	4
Iron and steel foundries	8.7	4	8.8	4	8.8	5
Gray iron foundries	4.5	4	4.5	4	4.5	4
Malleable iron foundries	1.2	5	1.3	5	1.4	6
Steel foundries	3.0	5	3.0	5	2.9	6
Nonferrous smelting and refining	2.9	4	3.0	4	2.9	4

**ESTABLISHMENT DATA
WOMEN EMPLOYMENT**

Table B-3: Women employees on payrolls of selected nonagricultural industries--Continued

Industry	January 1964		October 1963		January 1963	
	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Durable Goods--Continued</i>						
PRIMARY METAL INDUSTRIES --Continued						
Nonferrous rolling, drawing, and extruding	23.6	13	24.0	13	23.4	13
Copper rolling, drawing, and extruding	3.7	8	3.6	8	3.7	8
Aluminum rolling, drawing, and extruding	5.2	9	5.6	9	5.2	9
Nonferrous wire drawing and insulating.	12.7	21	12.7	21	12.6	21
Nonferrous foundries.	7.9	11	7.8	11	8.3	12
Aluminum castings	2.9	8	2.9	8	3.1	9
Other nonferrous castings	5.0	14	4.9	14	5.2	14
Miscellaneous primary metal industries.	3.9	7	3.8	7	4.1	7
Iron and steel forgings.	2.2	5	2.2	6	2.4	6
FABRICATED METAL PRODUCTS	193.1	17	195.9	17	186.6	17
Metal cans	12.0	20	12.1	20	12.2	21
Cutlery, hand tools, and general hardware	42.0	30	41.5	30	40.1	29
Cutlery and hand tools, including saws	12.2	23	11.9	23	11.7	22
Hardware, n.e.c.	29.8	34	29.6	34	28.4	34
Heating equipment and plumbing fixtures.	9.6	12	9.5	12	9.1	12
Sanitary ware and plumbers' brass goods	4.7	14	4.6	14	4.4	14
Heating equipment, except electric.	4.9	11	4.9	11	4.7	11
Fabricated structural metal products	28.2	8	29.4	8	27.1	8
Fabricated structural steel	4.6	5	4.5	5	4.5	5
Metal doors, sash, frames, and trim	9.0	15	10.4	16	8.3	14
Fabricated plate work (boiler shops).	6.7	8	6.6	8	6.6	8
Sheet metal work.	5.1	9	5.1	8	5.0	9
Architectural and miscellaneous metal work	2.8	8	2.8	8	2.7	8
Screw machine products, bolts, etc.	16.7	19	17.1	19	17.7	20
Screw machine products	7.7	21	8.0	21	8.5	22
Bolts, nuts, screws, rivets, and washers	9.0	18	9.1	18	9.2	18
Metal stampings	37.2	18	38.4	19	34.9	18
Coating, engraving, and allied services	12.8	18	13.2	18	12.2	18
Miscellaneous fabricated wire products	13.9	23	14.1	24	13.5	24
Miscellaneous fabricated metal products.	20.7	16	20.6	16	19.8	16
Valves, pipe, and pipe fittings.	10.5	14	10.4	13	10.2	13
MACHINERY	198.1	13	197.3	13	197.2	13
Engines and turbines	10.7	13	11.4	13	11.8	14
Steam engines and turbines	3.9	11	4.0	11	4.1	12
Internal combustion engines, n.e.c.	6.8	13	7.4	14	7.7	15
Farm machinery and equipment	9.9	8	9.9	8	9.7	8
Construction and related machinery	18.9	9	18.9	9	18.4	9
Construction and mining machinery	9.2	8	9.2	8	9.3	8
Oil field machinery and equipment	2.8	9	2.8	9	2.7	8
Conveyors, hoists, and industrial cranes	3.0	10	2.9	10	2.7	9
Metalworking machinery and equipment.	30.5	11	30.1	11	30.0	11
Machine tools, metal cutting types	6.4	9	6.3	9	6.2	9
Special dies, tools, jigs, and fixtures	7.7	8	7.7	8	7.9	9
Machine tool accessories	8.2	18	8.2	18	8.1	18
Miscellaneous metalworking machinery	8.2	13	7.9	13	7.8	13
Special industry machinery	18.1	11	17.8	11	17.9	11
Food products machinery	3.3	10	3.3	10	3.4	10
Textile machinery	4.2	11	4.0	11	4.2	11
General industrial machinery	35.7	15	34.9	15	35.4	15
Pumps; air and gas compressors	7.8	12	7.7	12	7.4	12
Ball and roller bearings	11.1	22	10.8	22	11.6	23
Mechanical power transmission goods	6.1	13	6.0	13	5.8	13
Office, computing, and accounting machines	37.2	24	37.5	24	38.2	25
Computing machines and cash registers	24.6	22	24.5	22	25.0	23
Service industry machines	13.1	13	13.1	13	12.9	13
Refrigeration, except home refrigerators	6.9	11	7.1	11	6.8	11
Miscellaneous machinery	24.0	13	23.7	13	22.9	13
Machine shops, jobbing and repair	11.3	9	11.4	9	11.1	10
Machine parts, n.e.c., except electrical.	12.7	22	12.3	22	11.8	22
ELECTRICAL EQUIPMENT AND SUPPLIES	580.8	37	600.5	38	597.9	37
Electric distribution equipment	50.9	30	51.1	30	53.0	31
Electric measuring instruments	22.1	40	22.2	41	24.5	43
Power and distribution transformers	11.0	25	11.3	26	10.6	25
Switchgear and switchboard apparatus	17.8	25	17.6	25	17.9	26

**ESTABLISHMENT DATA
WOMEN EMPLOYMENT**
Table B-3: Women employees on payrolls of selected nonagricultural industries--Continued

Industry	January 1964		October 1963		January 1963	
	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Durable Goods -- Continued</i>						
ELECTRICAL EQUIPMENT AND SUPPLIES--Continued						
Electrical industrial apparatus	57.6	31	57.8	31	57.0	31
Motors and generators	30.2	30	30.2	30	29.6	29
Industrial controls	17.6	35	17.7	36	17.7	36
Household appliances	30.4	19	33.7	21	30.3	20
Household refrigerators and freezers	6.0	11	5.8	12	5.6	12
Household laundry equipment	3.5	14	3.6	14	3.6	14
Electric housewares and fans	14.2	43	17.7	46	14.7	43
Electric lighting and wiring equipment	63.0	41	64.1	42	60.1	41
Electric lamps	20.3	65	20.0	65	19.6	65
Lighting fixtures	15.7	30	16.5	30	14.9	29
Wiring devices	27.0	40	27.6	40	25.6	39
Radio and TV receiving sets	56.9	51	65.0	53	54.1	50
Communication equipment	138.3	33	140.7	33	153.3	34
Telephone and telegraph apparatus	47.9	41	47.5	41	50.1	40
Radio and TV communication equipment	90.4	30	93.2	30	103.2	31
Electronic components and accessories	149.3	57	151.7	57	152.5	57
Electron tubes	30.1	46	31.3	47	35.5	50
Electronic components, n.e.c.	119.2	61	120.4	61	117.0	59
Miscellaneous electrical equipment and supplies	34.4	31	36.3	33	37.6	33
Electrical equipment for engines	21.2	33	21.6	33	24.9	37
TRANSPORTATION EQUIPMENT	170.4	10	170.8	10	173.1	11
Motor vehicles and equipment	70.7	9	70.0	9	68.3	9
Motor vehicles	22.8	7	23.0	7	21.3	7
Passenger car bodies	4.0	6	3.8	6	4.0	6
Truck and bus bodies	2.0	6	2.0	6	1.9	6
Motor vehicle parts and accessories	40.8	12	40.2	12	40.0	12
Aircraft and parts	87.1	13	88.3	14	93.2	14
Aircraft	46.0	14	46.9	14	50.8	15
Aircraft engines and engine parts	27.2	13	27.4	13	28.4	13
Other aircraft parts and equipment	13.9	14	14.0	13	14.0	13
Ship and boat building and repairing	5.2	4	5.2	4	4.9	3
Ship building and repairing	3.7	3	3.8	3	3.6	3
Boat building and repairing	1.5	6	1.4	6	1.3	5
Railroad equipment	3.3	7	3.0	6	2.9	7
Other transportation equipment	4.1	11	4.3	11	3.8	12
INSTRUMENTS AND RELATED PRODUCTS	126.7	34	128.7	34	123.1	34
Engineering and scientific instruments	16.8	23	17.2	23	17.9	24
Mechanical measuring and control devices	32.0	32	30.8	32	31.0	32
Mechanical measuring devices	16.6	27	15.8	27	16.8	28
Automatic temperature controls	15.4	41	15.0	40	14.2	39
Optical and ophthalmic goods	15.7	37	15.8	37	14.9	37
Surgical, medical, and dental equipment	25.2	47	25.5	47	25.0	48
Photographic equipment and supplies	20.2	26	20.6	26	19.2	26
Watches and clocks	16.8	57	18.8	59	15.1	54
MISCELLANEOUS MANUFACTURING INDUSTRIES	147.6	40	182.0	43	143.0	39
Jewelry, silverware, and plated ware	16.1	37	16.7	38	15.7	37
Toys, amusement, and sporting goods	39.4	46	64.9	53	36.5	44
Toys, games, dolls, and play vehicles	24.3	50	49.2	59	21.0	48
Sporting and athletic goods, n.e.c.	15.1	40	15.7	40	15.5	40
Pens, pencils, office and art materials	16.7	53	17.4	54	16.1	52
Costume jewelry, buttons, and notions	27.8	51	30.6	52	28.4	51
Other manufacturing industries	47.6	30	52.4	32	46.3	30
<i>Nondurable Goods</i>						
FOOD AND KINDRED PRODUCTS	377.9	23	468.1	26	382.2	23
Meat products	76.3	25	82.3	26	76.5	25
Meat packing	28.2	15	28.5	15	28.6	15
Sausages and other prepared meats	13.9	30	13.9	30	13.8	30
Poultry dressing and packing	34.2	53	39.9	53	34.1	53
Dairy products	40.8	14	42.5	14	42.0	14
Ice cream and frozen desserts	5.7	20	6.4	20	6.1	20
Fluid milk	24.4	12	25.3	12	24.8	12

ESTABLISHMENT DATA WOMEN EMPLOYMENT

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Table B-3: Women employees on payrolls of selected nonagricultural industries--Continued

Industry	January 1964		October 1963		January 1963	
	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Nondurable Goods--Continued</i>						
FOOD AND KINDRED PRODUCTS-- Continued						
Canned and preserved food, except meats	78.9	42	145.7	49	82.2	42
Canned, cured, and frozen sea foods	22.4	56	27.2	59	24.5	59
Canned food, except sea foods	27.5	33	65.2	42	30.2	33
Frozen food, except sea foods	18.6	50	36.2	61	17.6	45
Grain mill products	18.5	14	19.1	14	17.4	14
Flour and other grain mill products	4.1	12	4.2	13	4.2	13
Prepared feeds for animals and fowls	7.0	12	7.1	12	5.8	10
Bakery products	62.7	22	65.9	22	63.7	22
Bread, cake, and perishable products	42.2	17	43.9	18	42.3	17
Biscuit, crackers, and pretzels	20.5	48	22.0	49	21.4	48
Sugar	3.2	7	4.4	9	3.2	9
Confectionery and related products	38.4	51	43.6	52	38.6	50
Candy and other confectionery products	33.1	55	37.6	56	33.1	54
Beverages	23.9	11	27.5	12	22.9	11
Malt liquors	3.6	6	3.7	6	3.8	6
Bottled and canned soft drinks	10.5	9	10.7	9	10.0	9
Miscellaneous food and kindred products	35.2	25	37.1	25	35.7	25
TOBACCO MANUFACTURES	40.5	46	50.0	47	41.4	46
Cigarettes	14.7	39	14.8	39	14.4	38
Cigars	17.1	75	17.7	75	17.0	74
TEXTILE MILL PRODUCTS	381.0	43	393.5	44	380.3	43
Cotton broad woven fabrics	88.6	38	89.3	38	89.5	38
Silk and synthetic broad woven fabrics	28.4	33	27.9	33	27.2	33
Weaving and finishing broad woolsens	16.3	35	16.8	36	16.9	35
Narrow fabrics and smallwares	14.7	54	14.7	54	14.4	54
Knitting	140.0	69	151.7	69	141.5	68
Full-fashioned hosiery	13.8	74	14.1	73	14.6	71
Seamless hosiery	55.9	72	57.5	71	56.9	71
Knit outerwear	41.4	72	49.3	73	41.5	72
Knit underwear	22.1	73	22.0	73	21.2	73
Finishing textiles, except wool and knit	16.6	22	16.4	22	16.1	22
Floor covering	11.2	29	11.5	30	11.7	30
Yarn and thread	47.6	45	47.1	45	45.5	45
Miscellaneous textile goods	17.6	27	18.1	27	17.5	27
APPAREL AND RELATED PRODUCTS	1,009.6	79	1,046.1	79	982.7	79
Men's and boys' suits and coats	79.0	69	77.5	68	81.1	69
Men's and boys' furnishings	273.7	85	283.1	85	270.1	85
Men's and boys' shirts and nightwear	106.7	88	111.3	88	107.0	88
Men's and boys' separate trousers	52.0	81	51.5	81	51.0	81
Work clothing	63.7	85	63.4	85	60.2	85
Women's, misses', and juniors' outerwear	319.2	82	324.4	81	304.6	81
Women's blouses, waists, and shirts	42.7	89	46.4	89	40.4	89
Women's, misses', and juniors' dresses	158.9	84	163.5	84	154.1	84
Women's suits, skirts, and coats	57.1	68	58.9	68	52.2	67
Women's and misses' outerwear, n.e.c.	60.5	85	55.6	84	57.9	85
Women's and children's undergarments	102.0	87	108.9	87	99.2	87
Women's and children's underwear	66.3	88	72.1	89	65.9	88
Corsets and allied garments	35.7	84	36.8	84	33.3	83
Hats, caps, and millinery	20.7	64	20.7	63	21.1	64
Girls' and children's outerwear	69.2	87	68.9	86	67.0	86
Children's dresses, blouses, and shirts	33.9	90	33.7	89	33.0	89
Fur goods and miscellaneous apparel	48.7	72	56.5	72	48.3	71
Miscellaneous fabricated textile products	97.1	63	106.1	64	91.3	63
Housefurnishings	37.3	70	41.6	71	36.1	70
PAPER AND ALLIED PRODUCTS	129.3	21	133.3	21	128.9	21
Paper and pulp	24.2	11	24.5	11	24.4	11
Paperboard	6.2	9	6.2	9	6.1	9
Converted paper and paperboard products	51.4	34	53.1	35	50.8	35
Bags, except textile bags	13.1	37	14.0	38	12.7	37
Paperboard containers and boxes	47.5	25	49.5	26	47.6	26
Folding and setup paperboard boxes	22.2	33	24.4	35	22.2	33
Corrugated and solid fiber boxes	11.8	15	12.0	15	12.1	15

**ESTABLISHMENT DATA
WOMEN EMPLOYMENT**
Table B-3: Women employees on payrolls of selected nonagricultural industries--Continued

Industry	January 1964		October 1963		January 1963	
	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
<i>Nondurable Goods--Continued</i>						
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	270.9	29	273.2	29	263.4	29
Newspaper publishing and printing	69.9	22	69.6	21	64.9	21
Periodical publishing and printing	34.3	48	33.5	47	33.9	47
Books	32.5	42	32.3	43	31.3	43
Commercial printing	75.7	25	76.1	25	74.0	25
Commercial printing, except lithographic	50.1	24	49.9	24	48.3	24
Commercial printing, lithographic	21.8	25	22.1	25	21.4	25
Bookbinding and related industries	21.4	45	22.9	45	22.0	45
Other publishing and printing industries	37.1	33	38.8	33	37.3	33
CHEMICALS AND ALLIED PRODUCTS	161.2	19	165.6	19	159.0	18
Industrial chemicals	28.1	10	28.2	10	28.3	10
Plastics and synthetics, except glass	29.2	17	28.9	17	27.5	17
Plastics and synthetics, except fibers	7.7	10	7.8	10	7.2	10
Synthetic fibers	20.5	24	20.1	24	19.3	24
Drugs	44.5	38	45.3	39	43.3	38
Pharmaceutical preparations	35.2	41	36.0	42	34.8	41
Soap, cleaners, and toilet goods	33.4	35	36.8	36	33.8	35
Soap and detergents	7.5	21	8.1	22	7.6	21
Toilet preparations	17.8	54	20.3	56	18.6	55
Paints, varnishes, and allied products	9.9	16	10.0	16	9.8	16
Agricultural chemicals	3.8	8	3.9	8	3.8	8
Fertilizers, complete and mixing only	2.3	6	2.3	6	2.3	6
Other chemical products	12.3	16	12.5	16	12.5	16
PETROLEUM REFINING AND RELATED INDUSTRIES	15.8	9	15.8	8	15.6	8
Petroleum refining	12.4	8	12.4	8	12.3	8
Other petroleum and coal products	3.4	11	3.4	9	3.3	10
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	116.5	29	120.9	29	120.9	29
Tires and inner tubes	12.3	13	11.8	13	13.3	13
Other rubber products	53.4	33	54.5	34	56.9	35
Miscellaneous plastic products	50.8	33	54.6	35	50.7	34
LEATHER AND LEATHER PRODUCTS	180.8	52	184.9	53	182.9	52
Leather tanning and finishing	3.7	12	3.9	12	3.9	12
Footwear, except rubber	135.4	57	132.6	57	135.5	57
Other leather products	41.7	54	48.4	55	43.5	54
TRANSPORTATION AND PUBLIC UTILITIES:						
LOCAL AND INTERURBAN PASSENGER TRANSIT	21.5	8	20.9	8	21.6	8
Local and suburban transportation	4.2	5	4.2	5	4.5	5
Taxicabs	5.3	5	5.2	5	5.5	5
Intercity and rural bus lines	4.2	10	4.2	10	4.0	10
MOTOR FREIGHT TRANSPORTATION AND STORAGE	75.4	9	76.7	8	74.8	9
AIR TRANSPORTATION	49.1	23	48.4	23	45.2	22
Air transportation, common carriers	47.5	24	46.8	24	43.7	23
PIPELINE TRANSPORTATION	1.5	8	1.5	8	1.6	8
COMMUNICATION	411.1	50	415.1	50	406.4	50
Telephone communication	380.4	56	384.3	56	376.7	55
Radio and television broadcasting	23.3	22	23.1	22	21.7	22
ELECTRIC, GAS, AND SANITARY SERVICES	93.3	15	93.2	15	92.4	15
Electric companies and systems	37.6	15	37.8	15	37.4	15
Gas companies and systems	25.1	16	25.2	16	24.9	16
Combined utility systems	24.6	14	24.5	14	24.4	14
Water, steam, and sanitary systems	6.0	15	5.7	15	5.7	16

**ESTABLISHMENT DATA
WOMEN EMPLOYMENT**

Table B-3: Women employees on payrolls of selected nonagricultural industries--Continued

Industry	January 1964		October 1963		January 1963	
	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment	Number (in thousands)	Percent of total employment
WHOLESALE AND RETAIL TRADE	4,408	37	4,491	37	4,302	37
WHOLESALE TRADE	699	22	717	22	678	22
Motor vehicles and automotive equipment	42.0	18	41.9	18	40.7	18
Drugs, chemicals, and allied products	59.1	31	59.6	31	58.0	31
Dry goods and apparel	56.5	43	57.1	42	55.7	42
Groceries and related products	107.0	21	114.2	22	102.9	22
Electrical goods	55.0	24	55.3	24	54.6	24
Hardware, plumbing, and heating goods	31.7	22	31.8	22	31.7	22
Machinery, equipment, and supplies	98.6	18	97.7	18	90.1	17
RETAIL TRADE	3,709	43	3,774	43	3,624	43
GENERAL MERCHANDISE STORES	1,141.2	70	1,180.4	70	1,119.6	70
Department stores	680.4	70	685.3	69	663.0	70
Limited price variety stores	246.5	81	270.0	82	256.4	82
FOOD STORES	468.3	33	467.2	33	455.7	33
Grocery, meat, and vegetable stores	370.9	29	369.8	29	356.7	29
APPAREL AND ACCESSORIES STORES	396.3	65	404.9	65	388.4	64
Men's and boys' apparel stores	39.3	36	36.6	37	38.2	37
Women's ready-to-wear stores	201.0	88	206.9	89	195.9	88
Family clothing stores	68.8	71	64.5	69	64.8	69
Shoe stores	39.1	35	43.4	35	40.0	35
FURNITURE AND APPLIANCE STORES	112.0	28	111.0	28	108.9	28
EATING AND DRINKING PLACES	952.9	55	978.9	55	934.3	55
OTHER RETAIL TRADE	638.2	22	631.7	22	616.6	22
Motor vehicle dealers	65.5	9	64.6	9	62.5	9
Other vehicle and accessory dealers	20.6	13	19.9	12	19.4	12
Drug stores	221.8	58	220.0	58	217.4	58
FINANCE, INSURANCE, AND REAL ESTATE	1,432	50	1,427	49	1,398	50
Banking	451.8	61	450.7	61	437.6	61
Credit agencies other than banks	161.3	54	158.9	54	154.0	54
Savings and loan associations	58.6	64	56.8	64	53.8	64
Personal credit institutions	73.6	47	72.8	47	72.5	48
Security dealers and exchanges	38.1	31	37.7	31	36.7	30
Insurance carriers	428.8	49	427.1	49	421.7	49
Life insurance	198.5	43	196.2	42	192.7	42
Accident and health insurance	36.1	69	35.8	69	35.2	69
Fire, marine, and casualty insurance	171.5	55	172.1	55	171.7	56
Insurance agents, brokers, and services	124.1	56	123.3	56	120.7	56
Real estate	192.1	36	193.8	35	190.2	36
Operative builders	6.9	14	6.7	12	6.1	13
Other finance, insurance, and real estate	36.0	48	35.0	46	37.2	49
SERVICE AND MISCELLANEOUS:						
Hotels and lodging places:						
Hotels, tourist courts, and motels	262.3	48	286.8	48	257.9	48
Personal services:						
Laundries, cleaning and dyeing plants	335.4	66	339.3	66	331.7	66
Miscellaneous business services:						
Advertising	40.2	37	40.1	37	39.2	36
Motion pictures	53.2	34	58.5	34	54.7	34
Motion picture filming and distributing	10.6	29	11.4	29	10.7	28
Motion picture theatres and services	42.6	35	47.1	36	44.0	35
Medical services:						
Hospitals	1,081.4	82	1,067.9	81	1,025.5	81

SEASONALLY ADJUSTED EMPLOYMENT

Table B-4: Indexes of employment on nonagricultural payrolls, by industry division,
1919 to date, monthly data seasonally adjusted

1957-59=100

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		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.5	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	33.9	-	-
1920.....	52.0	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	32.9	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.0	-	-
1922.....	49.1	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.1	-	-
1923.....	54.0	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.0	-	-
1924.....	53.3	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.4	34.4	-	-
1925.....	54.7	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.4	-	-
1926.....	56.7	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.0	-	-
1927.....	57.0	144.7	55.7	60.3	95.6	54.1	-	-	54.0	46.0	36.9	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	37.9	-	-
1929.....	59.6	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	38.8	24.1	44.5
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	39.8	23.8	46.1
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.3	25.3	47.5
1932.....	44.9	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	40.8	25.2	46.9
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.1	25.5	45.7
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	41.7	29.4	46.5
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.0	34.0	48.0
1936.....	55.3	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.3	46.4	37.3	50.0
1937.....	59.0	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.5	37.6	51.4
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.1	37.4	53.7
1939.....	58.2	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.6	40.9	54.3
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.2	45.0	56.4
1941.....	69.5	124.3	62.0	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.0	60.5	58.4
1942.....	76.3	128.8	75.2	92.1	84.9	65.2	62.9	66.0	60.8	59.3	69.4	100.0	57.5
1943.....	80.7	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	76.9	131.2	55.8
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	76.5	132.2	54.8
1945.....	76.8	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.2	126.8	55.1
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.5	70.8	101.8	58.7
1947.....	83.5	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.3	69.3	85.5	63.0
1948.....	85.4	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	71.5	84.1	66.6
1949.....	83.3	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.4	74.1	86.2	69.4
1950.....	86.0	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.1	76.2	87.1	72.0
1951.....	91.0	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	80.8	104.0	71.8
1952.....	92.9	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	83.6	109.3	73.6
1953.....	95.5	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.1	104.1	76.3
1954.....	93.2	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.1	85.4	98.8	80.2
1955.....	96.4	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	87.5	98.8	83.1
1956.....	99.7	106.8	103.9	104.1	104.1	99.4	99.6	99.4	96.0	94.8	92.1	99.8	89.1
1957.....	100.6	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	96.5	100.1	95.1
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.8	99.9	99.0	100.2
1959.....	101.6	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.2	103.6	100.9	104.7
1960.....	103.4	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.3	107.8	102.5	109.9
1961.....	103.1	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	110.4	111.7	102.9	115.1
1962.....	106.2	84.7	100.8	101.6	95.8	106.1	105.7	106.2	110.6	115.3	116.3	105.7	120.4
1963.....	108.7	82.3	104.9	102.6	96.0	108.6	108.5	108.7	113.3	120.4	120.7	106.5	126.2
1963: April.....	108.2	83.0	104.1	102.6	95.4	107.9	107.7	108.0	112.8	119.0	119.8	105.6	125.3
May.....	108.5	83.1	104.6	103.0	95.9	108.3	108.0	108.4	113.2	119.4	120.0	105.9	125.4
June.....	108.8	83.0	105.5	102.9	96.1	108.6	108.7	108.6	113.2	120.2	120.3	106.1	125.8
July.....	109.1	83.1	106.3	103.0	96.6	108.8	109.1	108.7	113.4	121.1	120.1	106.2	125.5
August.....	109.1	82.5	106.8	102.6	96.7	109.0	108.9	109.1	113.6	121.5	120.2	106.1	125.7
September.....	109.3	82.1	106.4	102.9	96.9	109.2	109.5	109.1	113.6	121.5	120.9	106.0	126.6
October.....	109.6	81.7	106.2	103.1	96.6	109.3	109.6	109.2	114.1	122.3	122.0	106.2	128.2
November.....	109.5	81.8	105.9	102.8	96.4	109.3	109.7	109.2	114.1	122.2	122.1	106.0	128.4
December.....	109.8	81.8	106.3	103.2	96.1	109.5	110.2	109.3	114.3	122.6	122.8	106.1	129.3
1964: January.....	110.0	80.9	104.5	103.1	96.2	110.5	111.0	110.4	114.8	123.0	123.0	106.1	129.5
February.....	110.7	81.0	109.8	103.5	96.5	111.2	111.0	111.2	115.1	123.5	122.9	104.8	129.9
March.....	110.8	81.0	109.4	103.9	96.5	110.7	111.4	110.5	115.3	124.1	123.4	105.1	130.4
April.....	111.2	81.4	108.2	104.1	96.7	112.1	111.6	112.3	115.6	124.0	123.8	105.1	131.0

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

Table B-5: Employees on nonagricultural payrolls by industry, seasonally adjusted

(In thousands)

Industry division and group	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
TOTAL	58,471	58,268	58,183	57,850	57,748	57,580	57,646	57,453	57,344	57,340	57,194	57,060	56,873
MINING	627	624	624	623	630	630	629	632	635	640	639	640	639
CONTRACT CONSTRUCTION	3,124	3,157	3,169	3,017	3,069	3,057	3,066	3,071	3,083	3,069	3,046	3,019	3,005
MANUFACTURING	17,285	17,244	17,175	17,119	17,127	17,061	17,119	17,076	17,033	17,103	17,075	17,095	17,037
DURABLE GOODS	9,863	9,812	9,750	9,726	9,737	9,688	9,718	9,705	9,652	9,701	9,685	9,683	9,660
Ordnance and accessories	263	265	270	276	276	275	277	275	275	277	278	276	274
Lumber and wood products	594	605	601	596	598	595	589	588	578	564	559	592	588
Furniture and fixtures	399	400	395	394	394	392	391	392	393	392	390	388	387
Stone, clay, and glass products	619	622	618	612	612	614	611	610	616	615	612	612	607
Primary metal industries	1,201	1,183	1,177	1,169	1,166	1,155	1,155	1,164	1,176	1,208	1,202	1,184	1,174
Fabricated metal products	1,192	1,185	1,176	1,164	1,169	1,162	1,164	1,165	1,162	1,159	1,156	1,151	1,148
Machinery	1,575	1,569	1,547	1,559	1,555	1,548	1,545	1,531	1,525	1,512	1,508	1,506	1,504
Electrical equipment	1,572	1,561	1,559	1,564	1,566	1,557	1,571	1,574	1,574	1,587	1,593	1,597	1,595
Transportation equipment	1,670	1,644	1,631	1,621	1,629	1,619	1,647	1,635	1,580	1,618	1,623	1,614	1,623
Instruments and related products	378	377	375	375	375	373	373	373	375	375	375	370	370
Miscellaneous manufacturing	400	401	401	396	397	398	395	398	398	394	389	393	390
NONDURABLE GOODS	7,422	7,432	7,425	7,393	7,390	7,373	7,401	7,371	7,381	7,402	7,390	7,412	7,377
Food and kindred products	1,725	1,737	1,743	1,741	1,741	1,733	1,742	1,723	1,728	1,730	1,732	1,743	1,738
Tobacco manufactures	89	90	89	88	91	95	89	86	91	87	88	89	90
Textile-mill products	895	899	897	891	888	889	890	886	887	891	889	889	891
Apparel and related products	1,308	1,310	1,310	1,299	1,295	1,291	1,312	1,306	1,302	1,317	1,306	1,317	1,296
Paper and allied products	626	627	627	624	624	622	620	622	623	623	620	620	618
Printing and publishing	947	944	942	940	939	931	934	935	937	935	936	934	929
Chemicals and allied products	875	876	872	872	871	870	871	869	870	870	868	864	862
Petroleum and related products	185	185	185	186	188	189	189	190	189	188	187	188	188
Rubber and plastic products	422	416	412	407	405	406	402	402	404	408	414	417	416
Leather and leather products	350	348	348	345	348	347	352	352	350	353	350	351	349
TRANSPORTATION AND PUBLIC UTILITIES	3,943	3,932	3,934	3,923	3,915	3,928	3,937	3,950	3,941	3,936	3,919	3,909	3,890
WHOLESALE AND RETAIL TRADE	12,244	12,093	12,143	12,072	11,963	11,941	11,935	11,922	11,907	11,884	11,864	11,825	11,784
WHOLESALE TRADE	3,232	3,225	3,216	3,214	3,190	3,176	3,173	3,170	3,155	3,159	3,148	3,129	3,119
RETAIL TRADE	9,012	8,868	8,927	8,858	8,773	8,765	8,762	8,752	8,752	8,725	8,716	8,696	8,665
FINANCE, INSURANCE, AND REAL ESTATE	2,925	2,918	2,911	2,904	2,892	2,887	2,887	2,873	2,873	2,870	2,865	2,864	2,853
SERVICE AND MISCELLANEOUS	8,543	8,551	8,515	8,474	8,447	8,423	8,430	8,377	8,373	8,349	8,282	8,228	8,199
GOVERNMENT	9,780	9,749	9,712	9,718	9,705	9,653	9,643	9,552	9,499	9,489	9,504	9,480	9,466
FEDERAL	2,326	2,328	2,321	2,349	2,349	2,347	2,352	2,347	2,348	2,351	2,349	2,345	2,339
STATE AND LOCAL	7,454	7,421	7,391	7,369	7,356	7,306	7,291	7,205	7,151	7,138	7,155	7,135	7,127

NOTE: Data for the 2 most recent months are preliminary.

Table B-6: Production workers on manufacturing payrolls, by industry, seasonally adjusted

(In thousands)

Major industry group	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
MANUFACTURING	12,790	12,764	12,697	12,639	12,653	12,590	12,649	12,611	12,575	12,650	12,628	12,647	12,604
DURABLE GOODS	7,245	7,207	7,148	7,120	7,129	7,081	7,110	7,097	7,051	7,103	7,086	7,081	7,070
Ordnance and accessories	110	112	114	118	118	117	120	119	119	119	120	119	118
Lumber and wood products	528	540	539	535	536	532	526	525	517	503	498	530	528
Furniture and fixtures	332	332	329	328	327	325	325	326	326	326	325	323	322
Stone, clay, and glass products	497	503	499	492	494	495	491	490	496	498	493	492	489
Primary metal industries	976	958	954	945	943	932	931	939	953	984	977	962	952
Fabricated metal products	918	912	903	894	897	891	895	895	891	891	888	883	881
Machinery	1,096	1,093	1,072	1,085	1,081	1,074	1,074	1,061	1,058	1,045	1,042	1,040	1,041
Electrical equipment	1,055	1,045	1,041	1,045	1,047	1,041	1,051	1,049	1,051	1,061	1,069	1,068	1,067
Transportation equipment	1,172	1,151	1,137	1,124	1,129	1,116	1,143	1,136	1,079	1,118	1,122	1,112	1,123
Instruments and related products	240	239	238	237	238	238	237	237	240	241	240	237	236
Miscellaneous manufacturing	321	322	322	317	319	320	317	320	321	317	312	315	313
NONDURABLE GOODS	5,545	5,557	5,549	5,519	5,524	5,509	5,539	5,514	5,524	5,547	5,542	5,566	5,534
Food and kindred products	1,136	1,149	1,154	1,154	1,155	1,148	1,159	1,143	1,149	1,148	1,151	1,158	1,152
Tobacco manufactures	77	78	77	75	80	82	77	73	79	75	75	77	78
Textile mill products	802	805	804	798	795	796	795	793	793	798	797	798	800
Apparel and related products	1,162	1,162	1,162	1,152	1,148	1,144	1,164	1,159	1,154	1,169	1,160	1,171	1,153
Paper and allied products	489	491	489	488	490	488	488	488	490	490	489	488	486
Printing and publishing	602	601	598	596	597	590	591	593	594	594	594	595	591
Chemicals and allied products	527	527	526	524	525	524	527	526	527	527	527	525	524
Petroleum and related products	116	116	116	116	118	119	120	120	120	120	119	120	120
Rubber and plastic products	327	321	317	312	310	311	308	309	310	315	321	324	323
Leather and leather products	307	307	306	304	306	307	310	310	308	311	309	310	307

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
STATE EMPLOYMENT**
Table B-7: Employees on nonagricultural payrolls, by industry division and State

(In thousands)

State	TOTAL			Mining			Contract construction		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
Alabama	809.3	803.3	794.3	8.6	8.8	8.5	40.3	39.5	36.7
Alaska	57.0	56.2	55.6	1.0	.9	1.1	1.9	1.8	1.8
Arizona	390.4	387.9	376.5	15.1	15.1	15.0	26.4	25.9	27.8
Arkansas	420.6	416.5	402.6	4.8	4.9	5.0	25.3	24.1	23.1
California	5,438.5	5,390.1	5,278.8	29.8	29.5	29.5	311.5	299.6	299.1
Colorado	550.8	551.7	544.3	11.2	11.2	12.2	32.0	31.4	31.0
Connecticut	966.3	962.0	948.4	(1)	(1)	(1)	42.0	39.6	36.3
Delaware	164.5	163.5	157.3	(2)	(2)	(2)	12.0	11.6	9.8
District of Columbia	588.9	584.7	574.6	(2)	(2)	(2)	23.4	21.5	21.4
Florida	1,511.1	1,513.7	1,450.0	8.8	8.8	8.7	114.6	114.4	109.1
Georgia ³	1,161.8	1,155.0	1,124.6	5.9	5.9	5.6	57.9	54.9	59.3
Hawaii	201.2	200.2	194.7	(2)	(2)	(2)	15.2	15.3	15.1
Idaho	159.5	158.6	157.6	2.9	2.9	3.2	6.9	6.5	7.4
Illinois	3,578.8	3,546.5	3,502.9	26.2	26.2	25.2	132.2	127.3	125.2
Indiana	1,495.7	1,488.3	1,457.8	8.7	8.5	8.7	58.4	57.8	48.7
Iowa	690.8	688.5	679.0	2.8	2.8	2.7	25.9	25.6	25.8
Kansas	581.1	578.0	569.5	14.1	14.0	15.0	29.8	29.0	31.4
Kentucky	691.4	687.5	676.4	28.5	28.5	28.7	29.2	27.9	33.5
Louisiana	812.7	810.3	796.2	45.0	45.3	42.8	52.6	51.4	50.5
Maine	265.9	267.2	265.2	(2)	(2)	(2)	8.9	9.2	8.8
Maryland	979.7	969.5	952.2	2.5	2.5	2.4	61.3	56.9	58.4
Massachusetts	1,924.6	1,918.3	1,914.0	(2)	(2)	(2)	72.7	71.4	62.7
Michigan	2,400.5	2,393.7	2,330.5	12.1	12.0	12.0	86.4	85.6	72.1
Minnesota	974.2	971.5	958.7	11.2	11.1	10.7	42.6	41.5	40.6
Mississippi	443.4	440.9	432.5	6.4	6.4	6.2	21.9	21.1	21.7
Missouri	1,382.9	1,378.5	1,355.6	7.4	7.1	5.7	59.4	58.3	60.0
Montana	164.8	164.5	165.0	7.0	7.1	6.9	9.0	8.6	9.6
Nebraska	388.5	387.0	386.0	2.0	1.9	1.9	18.8	17.7	19.2
Nevada	143.6	141.0	134.4	2.8	2.8	2.9	13.9	13.3	15.9
New Hampshire	198.9	197.3	196.3	.2	.2	.2	6.7	6.5	6.6
New Jersey	2,067.6	2,059.1	2,066.0	3.5	3.5	3.3	87.1	81.2	81.6
New Mexico	250.9	249.3	242.4	17.7	17.5	17.8	17.1	16.8	16.8
New York	6,216.6	6,173.0	6,161.9	8.0	7.7	7.9	235.1	227.6	224.7
North Carolina	1,298.3	1,292.3	1,265.9	2.5	2.4	2.8	68.6	65.8	65.9
North Dakota	126.4	126.1	125.6	1.7	1.7	1.7	7.2	7.6	8.1
Ohio	3,124.6	3,105.4	3,056.3	17.6	17.8	17.7	113.4	109.6	100.8
Oklahoma	615.4	613.4	599.7	42.4	42.2	41.9	37.5	37.4	34.3
Oregon	539.6	534.2	528.6	1.3	1.4	1.2	23.7	23.0	26.0
Pennsylvania ³	3,667.3	3,648.0	3,628.4	46.1	46.3	46.5	122.1	120.0	120.6
Rhode Island	293.1	291.3	289.3	(2)	(2)	(2)	10.4	10.0	9.5
South Carolina	633.4	630.1	617.8	1.5	1.5	1.5	33.2	33.0	33.1
South Dakota	(4)	144.2	145.6	(4)	2.5	2.4	(4)	7.5	8.9
Tennessee ³	1,008.1	1,001.1	967.1	6.4	6.3	6.3	50.0	49.0	43.6
Texas	2,715.6	2,695.8	2,646.8	111.6	110.6	114.0	175.4	172.3	164.4
Utah	288.9	287.3	284.4	11.6	11.7	12.0	14.2	13.2	14.5
Vermont	105.5	105.2	105.6	1.2	1.2	1.2	3.6	3.6	3.4
Virginia	1,131.8	1,124.1	1,091.4	15.4	15.3	15.3	78.6	76.2	70.5
Washington	827.8	822.7	832.6	1.5	1.5	1.8	38.3	37.1	40.8
West Virginia	450.2	441.7	436.7	45.1	45.3	46.4	16.3	16.3	14.0
Wisconsin	1,214.5	1,209.6	1,189.6	2.1	2.1	2.0	46.6	46.0	43.2
Wyoming	88.0	87.9	87.9	9.0	9.0	9.1	7.1	6.9	6.5

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
STATE EMPLOYMENT**

Table B-7: Employees on nonagricultural payrolls, by industry division and State--Continued

State	(In thousands)								
	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
Alabama.....	244.8	242.5	243.2	48.3	47.8	48.5	155.9	154.2	152.0
Alaska.....	4.0	3.8	4.0	6.1	6.2	6.4	8.1	7.9	8.0
Arizona.....	57.2	56.9	57.5	25.4	25.3	24.9	94.6	93.8	86.4
Arkansas.....	120.4	119.8	114.5	28.6	28.9	27.7	89.0	87.3	85.6
California.....	1,389.8	1,380.8	1,390.4	364.5	361.3	356.5	1,158.6	1,147.3	1,116.9
Colorado.....	90.2	93.1	89.7	43.5	43.2	42.8	128.2	127.6	126.9
Connecticut.....	421.0	421.6	422.2	45.0	44.9	44.7	170.8	169.5	165.0
Delaware.....	59.1	59.0	57.1	10.8	10.8	10.7	32.3	32.1	31.0
District of Columbia.....	20.0	19.9	19.8	29.5	29.4	28.8	88.3	87.0	84.1
Florida.....	238.4	242.0	229.1	106.3	106.4	101.6	418.6	419.9	392.4
Georgia ³	369.6	368.0	355.8	76.5	76.6	74.9	235.4	233.6	229.9
Hawaii.....	23.7	23.3	22.4	15.2	15.2	15.2	47.0	46.8	44.9
Idaho.....	32.3	32.1	29.7	13.9	14.0	14.0	39.1	38.4	39.3
Illinois.....	1,210.8	1,190.9	1,183.8	269.3	268.3	267.1	753.3	749.9	738.1
Indiana.....	609.7	606.9	600.6	87.2	86.9	87.7	296.2	294.6	288.1
Iowa.....	178.6	179.4	176.2	48.4	48.1	48.5	171.3	170.0	167.3
Kansas.....	116.9	116.2	113.6	51.2	51.0	51.2	132.5	131.2	129.8
Kentucky.....	187.1	188.3	177.6	53.9	53.8	51.1	141.7	140.1	140.3
Louisiana.....	143.6	143.0	140.3	79.9	79.5	78.7	184.5	183.8	180.9
Maine.....	97.6	98.9	98.5	16.6	16.5	16.8	51.3	51.0	50.8
Maryland.....	252.5	253.2	256.4	72.8	72.4	71.1	212.0	208.5	203.3
Massachusetts.....	648.0	648.3	648.3	101.3	101.0	102.7	391.3	387.9	386.1
Michigan.....	983.6	981.7	960.2	127.5	126.6	125.1	440.9	437.5	431.0
Minnesota.....	234.9	235.4	235.4	75.5	75.6	74.9	237.6	235.8	232.0
Mississippi.....	134.7	133.9	130.6	26.2	26.3	24.6	86.4	85.3	84.9
Missouri.....	399.4	398.0	388.6	113.9	113.9	113.2	309.0	307.9	305.1
Montana.....	20.7	21.1	21.6	16.8	16.9	16.9	38.5	38.2	38.6
Nebraska.....	65.8	66.5	65.1	35.7	36.0	36.1	94.9	94.3	95.3
Nevada.....	6.6	6.6	6.4	11.4	11.4	10.3	27.0	26.4	24.5
New Hampshire.....	85.1	85.3	85.9	10.1	9.8	9.6	36.4	35.9	35.7
New Jersey.....	779.4	780.8	807.6	146.8	148.9	150.6	403.0	398.3	389.2
New Mexico.....	16.9	16.9	16.0	19.5	19.5	19.5	52.4	51.6	50.1
New York.....	1,789.2	1,784.1	1,805.1	465.6	461.2	466.4	1,258.4	1,246.3	1,246.9
North Carolina.....	539.8	540.7	529.1	67.7	68.4	66.5	237.6	234.2	230.3
North Dakota.....	7.2	7.5	6.7	11.5	11.6	11.5	36.0	35.3	35.9
Ohio.....	1,231.9	1,225.6	1,215.9	194.1	193.4	192.9	603.5	598.6	587.6
Oklahoma.....	94.1	93.9	87.7	44.8	44.8	45.6	142.0	140.9	138.4
Oregon.....	139.2	138.0	137.4	42.6	42.3	42.3	119.5	118.7	117.3
Pennsylvania ³	1,406.2	1,400.9	1,384.3	256.2	256.0	258.4	671.9	664.1	664.2
Rhode Island.....	113.6	114.4	113.2	14.3	14.3	14.3	55.6	54.6	54.5
South Carolina.....	274.9	273.6	266.6	26.7	26.6	25.8	107.0	105.9	103.9
South Dakota.....	(4)	12.8	14.0	(4)	9.7	9.9	(4)	38.5	39.2
Tennessee ³	347.9	345.5	334.8	55.2	55.1	53.8	202.2	199.9	194.5
Texas.....	523.1	521.2	508.2	215.0	216.1	219.4	673.1	661.4	653.0
Utah.....	51.3	52.1	52.9	21.0	21.0	21.3	64.7	63.8	62.5
Vermont.....	33.6	33.6	34.9	6.9	6.9	6.9	20.0	20.0	19.8
Virginia.....	297.8	296.6	291.5	83.8	83.5	81.2	232.5	230.0	223.1
Washington.....	211.2	211.4	221.2	59.1	58.6	58.9	180.5	178.6	179.1
West Virginia.....	124.7	124.0	121.3	40.1	40.2	40.0	78.0	76.8	76.3
Wisconsin.....	455.1	452.5	452.4	69.7	69.3	69.9	245.8	245.4	239.7
Wyoming.....	6.2	6.5	6.2	9.8	9.9	10.2	18.0	17.9	18.6

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
STATE EMPLOYMENT**
Table B-7: Employees on nonagricultural payrolls, by industry division and State--Continued

State	(In thousands)								
	Finance, insurance, and real estate			Service and miscellaneous			Government		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
Alabama	33.8	33.8	33.7	102.8	102.7	100.5	174.8	174.0	171.2
Alaska	1.9	1.9	1.7	6.3	6.2	6.2	27.7	27.5	26.4
Arizona	20.6	20.5	19.4	62.9	62.4	60.4	88.2	88.0	83.1
Arkansas	16.6	16.6	15.5	55.2	54.4	53.1	80.7	80.5	78.1
California	290.5	288.2	278.8	849.9	843.0	809.9	1,043.9	1,040.4	997.7
Colorado	28.3	28.3	28.5	88.0	87.6	86.0	129.4	129.3	127.2
Connecticut	57.6	57.5	56.2	124.3	123.5	121.7	105.6	105.3	102.3
Delaware	6.5	6.5	6.3	21.1	20.9	20.8	22.7	22.6	21.6
District of Columbia ⁵	29.7	29.6	29.2	105.0	104.8	104.6	293.2	292.5	286.7
Florida	90.9	90.3	90.1	262.2	261.4	257.9	271.3	270.5	261.1
Georgia ³	57.3	57.4	54.9	135.8	135.3	129.1	223.4	223.3	215.1
Hawaii	10.8	10.8	10.6	34.9	34.6	33.8	54.4	54.2	52.7
Idaho	6.6	6.6	6.5	21.0	21.0	20.7	36.8	36.5	36.8
Illinois	195.2	195.1	193.1	524.0	521.7	512.8	467.9	467.1	457.6
Indiana	62.1	62.0	61.0	156.1	156.1	153.5	217.4	215.3	209.6
Iowa	34.1	34.1	33.3	101.9	101.8	99.6	128.0	126.7	125.6
Kansas	24.9	24.9	24.6	79.1	78.6	77.2	132.5	133.1	126.7
Kentucky	27.4	27.3	27.1	95.5	94.5	91.8	128.0	127.1	126.3
Louisiana	37.6	37.6	36.9	110.8	110.7	110.1	158.7	159.0	156.0
Maine	9.8	9.8	9.6	29.8	29.9	29.8	51.9	51.9	50.9
Maryland ⁵	50.7	50.4	48.2	151.5	149.6	145.6	176.4	176.0	166.8
Massachusetts	103.7	103.8	103.4	339.9	337.9	326.3	267.7	268.0	264.5
Michigan	91.7	91.5	89.1	297.3	296.3	286.6	361.0	362.5	354.4
Minnesota	49.9	50.0	50.7	150.1	149.6	146.4	172.4	172.5	168.0
Mississippi	15.8	15.8	15.5	51.7	51.4	50.5	100.3	100.8	98.6
Missouri	77.4	77.1	74.4	201.1	200.0	196.3	215.3	216.2	212.3
Montana	6.7	6.7	6.7	23.1	23.1	23.1	43.0	42.8	41.6
Nebraska	24.6	24.5	23.9	60.4	60.8	59.9	86.3	85.2	84.6
Nevada	6.0	6.0	5.4	50.9	49.8	45.4	25.0	24.7	23.6
New Hampshire	7.8	7.7	7.6	27.2	26.5	26.3	25.4	25.4	24.4
New Jersey	94.9	94.7	93.5	287.5	286.7	278.9	265.4	265.0	261.3
New Mexico	11.3	11.1	10.8	43.0	43.0	40.9	73.0	72.9	70.5
New York	496.6	495.2	494.1	1,050.5	1,043.8	1,023.1	913.2	907.0	893.6
North Carolina	50.5	50.1	48.3	140.8	139.9	137.8	190.8	190.8	185.2
North Dakota	6.3	6.3	6.0	23.0	23.0	22.5	33.5	33.4	33.3
Ohio	127.3	127.1	124.0	392.7	390.1	381.7	444.1	443.3	435.6
Oklahoma	28.8	28.8	28.8	80.0	79.8	79.7	145.8	145.6	143.3
Oregon	24.6	24.6	23.6	77.0	75.4	73.3	111.7	110.8	107.5
Pennsylvania ³	157.8	157.6	155.6	524.3	522.1	522.0	482.7	481.0	477.1
Rhode Island	13.6	13.6	13.1	42.5	41.4	42.3	43.1	43.0	42.4
South Carolina	23.3	23.2	22.9	62.1	61.9	61.0	104.7	104.4	103.0
South Dakota	(4)	6.5	6.5	(4)	24.4	23.3	(4)	42.4	41.6
Tennessee ³	44.6	44.6	43.2	137.6	136.8	132.2	164.2	163.9	158.7
Texas	144.3	143.7	138.5	382.3	380.4	368.1	490.8	490.1	481.2
Utah	12.5	12.3	12.2	39.3	39.1	36.9	74.3	74.1	72.1
Vermont	4.2	4.2	4.2	18.7	18.7	18.3	17.4	17.2	17.1
Virginia ⁵	50.1	49.7	47.6	151.3	150.6	144.8	222.3	222.2	217.4
Washington	42.3	41.9	41.6	111.3	109.6	109.4	183.6	184.0	179.8
West Virginia	13.2	13.2	13.2	53.2	52.4	52.6	79.6	73.4	72.8
Wisconsin	49.2	49.1	48.0	157.7	158.2	154.1	188.2	187.1	180.3
Wyoming	3.2	3.2	3.2	9.9	9.9	10.0	24.8	24.6	24.1

¹ Combined with construction.

² Combined with service.

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

⁴ Not available.

⁵ Federal employment in the Maryland and Virginia sectors of the District of Columbia metropolitan area is included in data for District of Columbia.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	ALABAMA						ARIZONA					
	Birmingham			Mobile			Phoenix			Tucson		
TOTAL	198.6	198.5	198.8	95.6	95.4	93.1	223.8	222.2	210.7	78.8	78.6	80.0
Mining.....	4.4	4.4	4.2	(1)	(1)	(1)	.2	.2	.2	3.2	3.2	3.2
Contract construction..	9.6	9.4	9.7	5.4	5.4	4.8	15.7	15.4	15.4	6.1	6.1	6.8
Manufacturing.....	59.2	59.4	61.0	16.8	17.0	16.2	43.5	43.0	40.7	6.8	6.8	10.0
Trans. and pub. util...	16.0	16.0	15.9	11.1	10.8	10.1	13.9	13.9	13.5	5.2	5.2	5.2
Trade.....	46.9	46.7	46.4	21.0	20.9	19.7	58.6	58.1	53.8	18.2	18.1	17.5
Finance.....	14.3	14.3	14.1	4.0	4.0	4.0	14.5	14.5	13.8	3.9	3.9	3.5
Service.....	25.5	25.5	25.1	12.1	12.1	11.6	36.7	36.4	35.1	14.8	14.7	14.5
Government.....	22.7	22.8	22.4	25.2	25.2	26.7	40.7	40.7	38.2	20.6	20.6	19.3
ARKANSAS						CALIFORNIA						
	Fayetteville			Fort Smith			Little Rock - N. Little Rock			Pine Bluff		
TOTAL	16.8	16.5	15.9	29.5	29.2	29.0	90.8	90.3	87.0	20.0	19.6	19.0
Mining.....	(1)	(1)	(1)	.2	.3	.2	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	.9	.9	.9	1.9	1.9	1.9	6.1	6.0	5.9	1.7	1.5	1.4
Manufacturing.....	4.8	4.6	4.4	11.2	10.8	10.8	17.7	17.5	16.2	5.2	5.1	5.2
Trans. and pub. util...	1.3	1.3	1.3	1.9	1.9	1.8	7.9	7.9	7.8	2.5	2.6	2.5
Trade.....	3.6	3.6	3.4	6.4	6.5	6.3	20.0	20.0	19.6	3.7	3.6	3.6
Finance.....	.5	.5	.5	.9	.9	.9	7.0	7.0	6.6	.7	.7	.7
Service.....	2.0	2.0	1.9	3.9	3.9	4.0	13.6	13.5	13.4	1.8	1.8	1.7
Government.....	3.6	3.6	3.6	3.1	3.1	3.1	18.5	18.4	17.6	4.3	4.3	3.9
CALIFORNIA - Continued						CALIFORNIA - Continued						
	Bakersfield			Fresno			Los Angeles - Long Beach			Sacramento		
TOTAL	73.7	73.3	72.0	90.8	89.6	86.6	2,644.8	2,628.2	2,571.0	183.3	182.5	178.3
Mining.....	6.5	6.5	6.6	1.0	.9	.9	11.9	11.9	11.9	.2	.2	.2
Contract construction..	3.6	3.4	4.0	5.0	4.7	4.8	138.9	134.9	132.8	11.1	10.3	10.0
Manufacturing.....	7.8	7.6	7.3	14.4	13.8	13.1	854.2	850.3	854.3	30.5	30.8	31.4
Trans. and pub. util...	5.4	5.4	5.4	7.5	7.6	7.3	148.8	147.6	145.2	12.7	12.7	12.3
Trade.....	16.3	16.2	15.9	23.8	23.6	23.6	567.7	564.4	547.0	35.1	35.1	34.0
Finance.....	2.9	2.9	2.7	4.5	4.5	4.3	145.5	144.7	139.1	8.1	8.1	7.8
Service.....	10.2	10.3	9.9	14.4	14.4	13.8	420.9	417.6	402.4	20.4	20.2	19.3
Government.....	21.0	21.0	20.2	20.2	20.1	18.8	356.9	356.8	338.4	65.2	65.1	63.3
CALIFORNIA - Continued						CALIFORNIA - Continued						
	San Bernardino - Riverside - Ontario			San Diego			San Francisco - Oakland			San Jose		
TOTAL	225.4	223.2	213.1	258.5	259.3	257.4	1,072.6	1,064.5	1,043.0	252.1	250.5	238.2
Mining.....	1.4	1.3	1.2	.4	.4	.4	1.9	1.9	1.8	.1	.1	.1
Contract construction..	16.2	15.5	15.5	14.6	14.4	15.1	64.8	63.2	60.6	17.9	17.1	17.1
Manufacturing.....	38.5	38.4	36.9	52.2	53.6	57.7	195.8	194.8	195.4	83.5	83.5	82.7
Trans. and pub. util...	16.0	15.8	15.4	14.4	14.3	13.7	107.8	107.0	103.6	10.6	10.5	9.7
Trade.....	48.7	48.3	45.3	55.6	55.5	53.4	235.3	233.4	227.5	43.5	43.0	40.4
Finance.....	8.6	8.6	8.1	12.2	12.2	11.6	81.6	80.8	78.8	9.6	9.7	9.1
Service.....	36.7	36.5	34.5	44.7	44.7	42.5	159.3	157.7	154.0	47.5	46.9	43.3
Government.....	59.3	58.8	56.2	64.4	64.2	63.0	226.1	225.7	221.3	39.4	39.7	35.8
CALIFORNIA - Continued						COLORADO			CONNECTICUT			
	Stockton			Denver			Bridgeport			Hartford		
TOTAL	64.8	63.3	62.2	357.7	358.5	353.7	128.8	129.0	126.5	253.1	252.5	251.0
Mining.....	.1	.1	.1	3.0	3.0	3.4	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	3.5	3.2	3.2	20.9	20.5	20.4	4.1	4.0	4.0	10.2	10.0	9.9
Manufacturing.....	11.9	11.3	11.3	67.2	68.7	67.3	69.3	70.0	68.5	92.8	93.1	94.7
Trans. and pub. util...	5.5	5.5	5.3	30.3	30.2	29.7	5.5	5.5	5.5	9.6	9.6	9.3
Trade.....	15.4	14.9	15.2	87.1	86.9	86.5	22.0	21.9	21.5	47.9	47.5	47.0
Finance.....	2.4	2.4	2.2	21.3	21.3	21.9	3.6	3.6	3.6	33.6	33.6	32.9
Service.....	9.2	9.2	8.6	59.3	59.6	58.2	14.0	14.0	13.4	32.5	32.3	31.5
Government.....	16.8	16.7	16.3	68.1	68.3	66.3	10.2	10.1	10.0	26.6	26.6	25.9

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**
Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	CONNECTICUT - Continued											
	New Britain			New Haven			Stamford			Waterbury		
TOTAL.....	40.8	40.7	40.1	127.6	127.0	128.5	62.3	62.5	61.4	66.5	66.6	67.0
Mining.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	1.1	1.1	1.1	6.6	6.4	6.5	2.7	2.6	2.5	1.4	1.4	1.4
Manufacturing.....	23.9	23.9	23.6	41.0	41.2	44.1	23.2	23.8	23.9	36.7	37.1	38.0
Trans. and pub. util...	1.8	1.9	1.8	12.6	12.6	12.5	2.8	2.8	2.7	2.8	2.8	2.7
Trade.....	6.0	5.9	5.8	25.0	24.6	24.3	13.1	13.1	12.7	10.0	9.8	9.7
Finance.....	.9	.9	.8	7.2	7.1	7.0	2.7	2.7	2.6	1.7	1.7	1.7
Service.....	4.0	4.0	3.9	22.9	22.7	22.0	11.7	11.5	11.0	7.7	7.7	7.5
Government.....	3.1	3.1	3.1	12.3	12.3	12.1	6.1	6.1	6.0	6.2	6.2	6.0
DELAWARE												
DISTRICT OF COLUMBIA												
FLORIDA												
	Wilmington			Washington			Jacksonville			Miami		
TOTAL.....	150.4	149.6	145.6	847.3	839.3	818.3	150.0	149.3	147.0	336.8	337.7	336.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	9.6	9.3	7.9	58.8	56.1	53.3	9.6	9.5	9.4	18.5	19.0	19.7
Manufacturing.....	61.1	60.8	59.7	36.7	36.7	36.8	20.6	20.5	20.4	47.4	47.0	47.9
Trans. and pub. util...	9.4	9.3	9.1	46.7	46.4	45.2	15.5	15.5	15.4	34.8	34.7	33.6
Trade.....	26.3	26.3	26.1	165.3	162.4	156.0	42.7	42.3	41.5	95.2	95.4	95.3
Finance.....	5.8	5.8	5.7	48.2	47.8	46.5	14.4	14.4	13.9	23.3	23.2	22.7
Service.....	18.6	18.5	18.6	165.6	164.4	162.5	21.6	21.6	21.1	73.4	74.2	74.5
Government.....	19.6	19.6	18.5	326.0	325.5	318.0	25.6	25.5	25.3	44.2	44.2	42.6
FLORIDA - Continued												
GEORGIA												
HAWAII												
	Tampa - St. Petersburg			Atlanta ³			Savannah ³			Honolulu		
TOTAL.....	219.4	219.0	212.5	432.8	430.2	411.1	55.2	54.7	53.7	171.2	170.5	164.1
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	18.7	18.5	18.2	26.8	25.6	23.7	3.0	3.0	2.9	13.0	13.1	13.1
Manufacturing.....	39.7	39.7	37.4	99.2	99.1	93.9	14.5	14.4	14.7	16.6	16.2	15.0
Trans. and pub. util...	16.1	16.1	15.9	38.3	38.4	37.8	6.1	6.0	6.5	13.4	13.4	12.7
Trade.....	63.4	63.5	62.0	112.6	111.3	107.3	12.3	12.1	11.4	40.5	40.3	38.5
Finance.....	13.0	12.9	12.8	32.1	32.0	30.6	2.9	2.9	2.8	9.8	9.9	9.8
Service.....	36.4	36.3	35.6	60.5	60.2	56.9	7.5	7.4	7.0	30.8	30.6	29.4
Government.....	32.1	32.0	30.6	63.3	63.6	60.9	8.9	8.9	8.4	47.1	47.0	45.6
IDAHO												
ILLINOIS												
INDIANA												
	Boise			Chicago			Evansville			Fort Wayne		
TOTAL.....	28.7	28.3	28.9	2,478.2	2,466.1	2,441.9	66.1	65.5	64.4	89.0	88.1	87.8
Mining.....	(1)	(1)	(1)	6.2	6.1	5.9	1.5	1.5	1.5	(1)	(1)	(1)
Contract construction..	1.7	1.6	1.9	85.7	82.7	84.8	2.4	2.4	2.2	3.4	3.4	3.3
Manufacturing.....	2.7	2.6	2.7	848.9	843.0	841.1	25.7	25.5	24.5	36.5	36.0	36.3
Trans. and pub. util...	2.7	2.7	2.8	190.8	190.1	189.4	4.4	4.4	4.4	6.5	6.5	6.5
Trade.....	8.2	8.0	8.1	532.1	530.6	524.0	14.6	14.4	14.3	19.5	19.4	19.2
Finance.....	2.1	2.1	2.0	154.9	155.1	152.5	2.5	2.5	2.5	4.9	4.9	4.8
Service.....	4.2	4.2	4.2	394.1	393.5	383.8	8.7	8.7	8.7	10.5	10.4	10.2
Government.....	7.1	7.1	7.2	265.4	265.0	260.4	6.3	6.1	6.3	7.7	7.5	7.5
INDIANA - Continued												
IOWA												
KANSAS												
	Indianapolis			South Bend			Des Moines			Topeka		
TOTAL.....	302.8	300.8	299.2	75.9	75.5	77.6	103.2	102.4	101.2	49.3	49.0	48.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	.1	.1	.1
Contract construction..	10.9	10.8	10.5	2.2	2.2	2.1	4.1	4.1	3.1	2.5	2.4	2.4
Manufacturing.....	104.1	103.7	103.3	31.0	30.8	33.5	21.5	21.1	21.1	6.6	6.5	6.6
Trans. and pub. util...	21.5	21.4	21.4	3.6	3.6	3.8	7.9	7.9	8.1	6.9	6.9	6.9
Trade.....	66.4	65.9	65.5	15.5	15.6	15.5	26.1	26.2	25.9	10.2	10.0	10.0
Finance.....	21.3	21.3	20.6	4.3	4.3	4.2	12.0	12.0	11.9	2.8	2.8	2.8
Service.....	33.2	33.1	32.5	12.4	12.3	11.9	16.4	16.2	15.8	7.9	7.9	7.6
Government.....	45.4	44.6	45.4	6.9	6.7	6.6	15.3	15.0	15.4	12.4	12.6	12.6

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	KANSAS - Continued			KENTUCKY			LOUISIANA					
	Wichita			Louisville			Baton Rouge			New Orleans		
TOTAL	121.3	120.1	115.7	250.8	250.8	244.7	73.2	72.5	71.3	305.6	304.8	292.0
Mining.....	1.5	1.5	1.5	(1)	(1)	(1)	.2	.2	.3	9.4	9.4	9.2
Contract construction..	5.6	5.0	4.7	11.1	10.8	11.0	6.8	6.6	6.2	19.6	19.4	17.6
Manufacturing.....	42.9	42.2	39.6	88.4	89.1	85.5	15.3	15.4	16.3	51.6	51.2	47.0
Trans. and pub. util...	6.6	6.6	6.5	20.7	20.4	20.0	4.3	4.2	4.3	40.5	40.3	39.9
Trade.....	26.8	26.9	26.1	53.8	53.9	52.5	15.6	15.2	15.0	75.0	75.0	71.7
Finance.....	5.7	5.7	5.8	12.7	12.7	12.8	3.7	3.7	3.6	18.2	18.3	18.1
Service.....	17.4	17.4	16.8	35.4	35.5	34.9	9.9	9.8	9.2	50.4	50.4	48.7
Government.....	14.9	14.9	15.0	28.7	28.5	27.9	17.4	17.4	16.5	40.9	40.8	39.7
	LOUISIANA - Continued			MAINE			MARYLAND					
	Shreveport			Lewiston - Auburn			Portland			Baltimore		
TOTAL	75.3	75.1	72.3	23.8	24.0	25.2	51.3	51.3	50.4	632.8	628.6	622.0
Mining.....	5.5	5.6	5.0	(1)	(1)	(1)	(1)	(1)	(1)	.9	.9	.9
Contract construction..	5.8	5.8	4.8	.9	1.0	.9	2.2	2.3	2.2	32.1	30.2	31.1
Manufacturing.....	9.7	9.5	9.4	11.3	11.5	13.0	12.2	12.2	11.9	184.5	185.2	187.4
Trans. and pub. util...	8.5	8.5	8.4	.9	.9	.8	5.3	5.4	4.9	55.0	54.8	53.8
Trade.....	19.7	19.6	19.0	4.9	4.8	4.8	13.9	13.7	13.9	132.5	131.1	128.7
Finance.....	3.9	3.9	3.8	.8	.8	.8	4.1	4.0	4.0	34.2	34.1	33.2
Service.....	10.3	10.3	10.2	3.3	3.3	3.2	8.3	8.4	8.4	93.5	92.7	90.6
Government.....	11.9	12.0	11.6	1.7	1.7	1.7	5.3	5.3	5.1	100.1	99.6	96.3
	MASSACHUSETTS											
	Boston			Fall River			New Bedford			Springfield - Chicopee - Holyoke		
TOTAL	1,086.1	1,082.3	1,077.9	41.4	41.3	42.8	48.9	48.7	49.7	170.5	170.3	168.9
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	44.0	43.2	38.2	(1)	(1)	(1)	1.2	1.2	1.2	5.5	5.4	4.2
Manufacturing.....	274.8	275.3	286.5	22.5	22.6	23.9	25.9	25.9	27.0	68.0	67.8	67.4
Trans. and pub. util...	64.9	64.9	66.2	1.5	1.5	1.4	2.3	2.3	2.2	7.6	7.7	8.1
Trade.....	242.4	240.2	239.2	7.5	7.4	7.6	8.8	8.6	8.5	33.2	32.9	33.3
Finance.....	74.9	75.0	75.8	(1)	(1)	(1)	(1)	(1)	(1)	8.5	8.6	8.5
Service.....	233.8	232.5	223.9	6.6	6.5	6.6	6.7	6.7	6.7	26.1	26.0	25.9
Government.....	151.3	151.2	148.1	3.3	3.3	3.3	4.0	4.0	4.1	21.6	21.9	21.5
	MASSACHUSETTS - Continued			MICHIGAN								
	Worcester			Detroit			Flint			Grand Rapids		
TOTAL	112.6	112.2	113.0	1,226.5	1,221.3	1,175.6	128.8	127.8	123.9	120.6	121.6	116.6
Mining.....	(1)	(1)	(1)	.6	.7	.6	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	3.1	3.1	3.1	43.8	43.7	34.3	3.2	3.2	2.9	5.0	4.8	4.8
Manufacturing.....	46.8	46.7	47.8	512.4	511.1	492.7	77.2	76.3	73.4	52.2	53.1	49.7
Trans. and pub. util...	4.2	4.2	4.3	67.5	67.5	65.5	4.6	4.5	4.4	8.1	8.2	8.3
Trade.....	21.2	21.0	21.3	239.2	234.6	227.1	18.2	18.3	18.0	26.0	26.0	25.1
Finance.....	5.6	5.6	5.4	56.7	56.7	55.4	2.8	2.8	2.8	5.2	5.1	4.9
Service.....	17.3	17.2	16.8	166.9	167.1	161.0	11.3	11.2	11.0	14.5	14.7	14.4
Government.....	14.4	14.4	14.3	139.5	139.9	139.0	11.6	11.6	11.4	9.6	9.6	9.5
	MICHIGAN - Continued			MINNESOTA								
	Lansing			Muskegon - Muskegon Heights			Saginaw			Duluth - Superior		
TOTAL	96.5	96.4	92.2	43.9	43.9	45.2	57.5	57.0	54.6	46.6	46.5	46.2
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	3.3	3.3	3.3	1.0	1.0	.9	2.1	2.1	2.0	1.8	1.9	1.7
Manufacturing.....	32.7	32.4	29.5	23.8	24.0	25.1	26.9	26.7	24.7	9.2	9.2	8.8
Trans. and pub. util...	3.3	3.2	3.2	2.3	2.3	2.3	4.5	4.5	4.3	6.0	5.9	6.1
Trade.....	16.5	16.7	16.2	6.8	6.7	6.7	11.0	10.9	10.9	10.8	10.8	10.8
Finance.....	3.2	3.2	3.3	1.2	1.2	1.1	1.6	1.5	1.5	2.0	2.0	1.9
Service.....	9.5	9.5	9.6	4.2	4.2	4.3	6.4	6.3	6.2	9.0	9.0	9.2
Government.....	27.9	28.0	26.9	4.6	4.6	4.6	5.1	5.0	4.9	7.8	7.8	7.7

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**
Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	MINNESOTA - Continued			MISSISSIPPI			MISSOURI					
	Minneapolis - St. Paul			Jackson			Kansas City			St. Louis		
TOTAL	589.6	586.4	581.3	71.5	70.7	69.6	415.7	412.8	407.6	743.6	741.0	726.7
Mining.....	(1)	(1)	(1)	1.2	1.2	1.1	.6	.5	.6	2.5	2.6	2.6
Contract construction..	26.8	25.9	26.4	4.1	3.8	3.8	21.3	20.6	20.8	33.4	33.2	32.0
Manufacturing.....	157.2	156.6	158.8	11.1	10.7	11.1	113.2	112.3	108.4	257.1	256.8	251.9
Trans. and pub. util...	49.0	49.0	48.4	4.6	4.6	4.5	44.2	44.0	44.0	62.5	62.0	62.1
Trade.....	145.7	144.5	141.5	16.6	16.5	16.2	103.4	102.7	101.7	152.1	151.2	148.5
Finance.....	37.1	37.2	38.0	5.3	5.3	5.3	27.4	27.3	27.4	40.0	39.8	39.0
Service.....	93.3	92.7	89.9	12.0	12.0	11.7	55.6	55.3	55.5	110.3	109.9	107.4
Government.....	80.6	80.4	78.3	16.6	16.6	16.0	50.0	50.1	49.2	85.7	85.5	83.2
	MONTANA			NEBRASKA			NEVADA					
	Billings			Great Falls			Omaha			Reno		
TOTAL	22.6	22.7	22.2	21.0	21.1	24.3	166.0	166.0	164.4	40.9	40.3	37.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(4)	(4)	(4)
Contract construction..	1.3	1.2	1.2	1.6	1.6	2.6	9.0	8.6	8.7	4.4	4.2	4.0
Manufacturing.....	2.4	2.8	2.5	3.0	3.1	5.2	35.6	35.6	35.1	2.3	2.3	2.4
Trans. and pub. util...	2.4	2.4	2.4	2.0	2.0	2.1	19.6	20.0	19.9	3.8	3.8	3.6
Trade.....	7.3	7.2	7.1	5.5	5.4	5.5	38.9	38.8	39.3	8.8	8.6	7.9
Finance.....	1.3	1.3	1.3	1.3	1.3	1.3	14.1	14.0	13.8	2.1	2.1	1.9
Service.....	4.2	4.1	4.1	3.5	3.6	3.6	26.2	26.3	25.8	12.3	12.1	10.9
Government.....	3.7	3.7	3.6	4.1	4.1	4.0	22.8	22.8	22.0	7.2	7.2	6.9
	NEW HAMPSHIRE			NEW JERSEY								
	Manchester			Jersey City ⁵			Newark ⁵			Paterson - Clifton - Passaic ⁵		
TOTAL	41.7	41.5	41.9	246.0	246.5	252.8	666.0	665.2	669.0	388.0	386.3	387.5
Mining.....	(1)	(1)	(1)	-	-	-	.9	.9	.7	.4	.4	.5
Contract construction..	1.6	1.5	1.6	4.8	4.8	5.1	24.6	23.9	24.0	18.7	17.4	17.0
Manufacturing.....	16.3	16.4	16.8	111.4	111.6	115.0	230.0	230.1	239.4	163.8	163.8	170.8
Trans. and pub. util...	2.7	2.7	2.7	35.3	35.6	36.1	49.1	50.0	50.7	21.7	22.2	22.8
Trade.....	8.9	8.9	8.9	34.9	34.6	36.6	134.7	134.1	132.6	84.5	83.7	81.3
Finance.....	2.5	2.5	2.5	8.7	8.7	8.5	46.5	46.5	46.6	13.4	13.4	12.9
Service.....	6.1	6.1	6.0	24.1	24.2	23.9	104.9	104.6	101.8	49.7	49.5	47.8
Government.....	3.5	3.5	3.5	26.8	27.0	27.6	75.3	75.1	73.2	35.8	35.9	34.4
	NEW JERSEY - Continued			NEW MEXICO			NEW YORK					
	Perth Amboy ⁵			Trenton			Albuquerque			Albany - Schenectady - Troy		
TOTAL	189.7	188.5	185.7	110.7	110.4	108.0	89.5	89.0	85.2	225.9	225.4	223.4
Mining.....	.8	.8	.8	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	9.1	8.6	7.4	3.5	3.5	3.4	6.9	6.7	7.0	6.9	6.8	5.7
Manufacturing.....	89.9	89.4	88.8	38.7	38.4	37.5	8.7	8.7	8.2	60.3	60.5	61.6
Trans. and pub. util...	9.3	9.3	9.3	6.2	6.1	6.1	6.4	6.4	6.3	13.5	13.5	13.7
Trade.....	32.8	32.7	31.3	19.1	19.2	18.4	20.5	20.3	19.4	45.6	45.7	44.5
Finance.....	3.8	3.8	3.8	4.3	4.3	4.3	5.7	5.6	5.5	9.6	9.6	9.4
Service.....	18.7	18.6	17.7	17.9	17.9	17.7	20.2	20.2	19.2	36.6	36.1	35.0
Government.....	25.3	25.3	26.6	20.9	20.9	20.5	21.1	21.1	19.6	53.4	53.3	53.7
	NEW YORK - Continued											
	Binghamton			Buffalo			Elmira ⁶			Nassau and Suffolk Counties ⁵		
TOTAL	77.0	76.3	76.7	424.8	422.3	416.4	31.4	31.4	31.4	510.9	506.2	504.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Contract construction..	2.7	2.5	2.0	13.9	13.0	12.2	-	-	-	28.0	26.3	30.6
Manufacturing.....	34.4	34.1	35.9	165.7	164.3	163.1	13.3	13.4	13.6	137.1	137.5	142.2
Trans. and pub. util...	3.8	3.8	3.9	30.7	30.5	30.1	-	-	-	24.7	24.4	23.4
Trade.....	13.2	13.1	12.9	82.9	83.0	81.9	6.1	6.1	6.0	124.1	122.8	118.8
Finance.....	2.5	2.5	2.5	16.4	16.3	16.1	-	-	-	21.8	21.7	20.6
Service.....	8.5	8.5	7.8	56.1	56.2	54.6	-	-	-	81.6	80.1	78.5
Government.....	11.8	11.7	11.7	59.0	59.1	58.4	-	-	-	93.6	93.5	90.5

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	NEW YORK - Continued											
	New York City ⁵			New York-Northeastern New Jersey			Rochester			Syracuse		
TOTAL	3,544.8	3,516.3	3,528.7	(7)	5,789.3	5,804.1	240.7	241.3	230.9	183.7	183.4	184.4
Mining.....	1.8	1.7	1.8	(7)	4.3	4.4	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	124.2	121.1	127.8	(7)	216.2	225.0	9.8	9.6	7.8	7.2	7.0	6.5
Manufacturing.....	872.6	868.7	884.8	(7)	1,680.4	1,719.2	110.2	110.0	107.1	60.9	61.1	64.1
Trans. and pub. util...	310.5	306.5	313.2	(7)	465.4	473.6	10.4	10.4	10.2	12.0	12.1	12.3
Trade.....	731.8	724.1	727.2	(7)	1,191.3	1,185.5	43.3	43.3	41.1	39.0	38.8	37.8
Finance.....	394.2	393.4	392.1	(7)	501.1	497.4	8.7	8.8	8.5	9.4	9.4	9.3
Service.....	651.5	648.2	639.0	(7)	978.5	961.3	33.2	33.1	31.2	28.0	28.1	27.6
Government.....	458.3	452.6	442.9	(7)	752.2	737.4	25.0	26.1	24.9	27.1	27.0	26.8
NEW YORK - Continued												
	Utica - Rome			Westchester County ⁵			Charlotte			Greensboro - High Point		
TOTAL	99.4	99.3	100.0	245.5	242.1	237.4	117.8	117.8	114.8	-	-	-
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-
Contract construction..	2.2	2.2	1.8	14.9	13.1	12.2	7.9	8.1	7.4	5.2	5.2	5.7
Manufacturing.....	36.0	36.3	38.1	67.2	67.0	65.5	28.6	28.5	28.8	44.3	44.3	44.1
Trans. and pub. util...	5.5	5.5	5.4	15.2	15.2	16.1	13.6	13.6	12.9	5.3	5.3	5.3
Trade.....	16.2	16.2	15.8	54.1	53.4	51.7	32.1	32.1	31.7	20.9	20.8	20.4
Finance.....	3.9	3.9	3.9	12.0	11.9	11.6	8.5	8.4	8.1	6.2	6.2	6.2
Service.....	11.1	10.9	10.6	48.8	48.2	47.7	16.3	16.2	15.3	-	-	-
Government.....	24.5	24.4	24.4	33.3	33.3	32.6	10.8	10.9	10.6	-	-	-
NORTH CAROLINA - Continued												
	Winston-Salem			Fargo - Moorhead			Akron			Canton		
TOTAL	-	-	-	30.8	31.3	30.0	174.9	173.8	172.0	107.6	107.0	105.0
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.5	.5	.5
Contract construction..	-	-	-	1.8	2.0	1.8	5.1	4.7	4.4	3.2	3.2	2.9
Manufacturing.....	35.6	36.6	36.4	2.1	2.5	2.1	80.1	79.8	80.3	51.9	51.7	50.9
Trans. and pub. util...	-	-	-	2.8	2.8	2.7	12.6	12.6	12.3	5.7	5.7	5.6
Trade.....	-	-	-	9.8	9.8	9.7	32.9	32.7	32.3	19.5	19.6	19.1
Finance.....	-	-	-	2.2	2.2	2.1	5.4	5.3	5.1	3.8	3.8	3.7
Service.....	-	-	-	5.6	5.6	5.5	22.0	21.8	21.2	12.8	12.6	12.3
Government.....	-	-	-	6.5	6.4	6.1	16.8	16.7	16.3	10.1	9.9	10.0
OHIO - Continued												
	Cincinnati			Cleveland			Columbus			Dayton		
TOTAL	385.1	383.1	387.6	693.3	687.9	677.0	275.6	274.4	267.2	256.8	254.1	248.9
Mining.....	.3	.3	.3	.4	.4	.5	.7	.7	.7	.5	.5	.4
Contract construction..	14.4	13.8	14.0	26.1	24.9	23.3	11.1	10.8	10.8	8.2	7.8	6.9
Manufacturing.....	140.1	139.9	144.9	273.0	272.2	267.7	74.5	74.4	73.1	105.9	104.9	103.2
Trans. and pub. util...	29.6	29.5	30.1	44.3	44.3	44.0	17.4	17.4	17.1	9.7	9.6	9.9
Trade.....	80.4	79.9	79.6	138.8	136.8	136.2	56.2	55.4	54.7	44.8	44.1	42.9
Finance.....	22.0	22.2	21.8	33.8	33.8	32.7	18.6	18.5	17.4	7.3	7.3	6.9
Service.....	52.2	51.7	51.6	94.4	93.8	92.4	39.9	39.5	37.2	33.4	33.0	31.2
Government.....	46.1	45.8	45.3	82.4	81.8	80.2	57.3	57.7	56.3	47.0	46.9	47.5
OHIO - Continued												
	Toledo			Youngstown - Warren			Oklahoma City			Tulsa		
TOTAL	156.0	155.8	153.1	152.8	152.1	149.1	200.0	198.6	191.0	141.2	139.9	133.4
Mining.....	.3	.2	.2	.4	.4	.4	6.9	6.9	6.4	13.1	12.9	12.7
Contract construction..	5.0	4.9	5.3	5.9	5.5	5.0	15.3	15.1	12.6	9.3	9.1	8.0
Manufacturing.....	59.5	60.0	58.4	71.8	71.7	69.2	25.0	24.9	23.4	30.9	30.3	27.2
Trans. and pub. util...	12.0	12.0	11.6	8.6	8.6	8.4	13.1	12.9	13.1	14.0	14.0	13.7
Trade.....	33.8	33.2	33.5	27.2	26.9	27.1	47.1	46.7	44.4	32.9	32.6	31.4
Finance.....	6.0	6.0	5.7	4.3	4.2	4.3	13.0	12.9	12.4	7.3	7.3	7.1
Service.....	23.4	23.2	22.7	19.5	19.5	19.3	26.3	26.0	25.7	19.9	19.9	19.6
Government.....	16.2	16.3	15.6	15.2	15.2	15.4	53.3	53.2	53.0	13.8	13.8	13.7

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**
Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	OREGON			PENNSYLVANIA								
	Portland			Allentown - Bethlehem - Easton			Altoona			Erie		
TOTAL	279.7	277.2	274.3	182.0	181.7	179.3	40.7	40.1	39.3	78.7	78.0	76.9
Mining.....	(1)	(1)	(1)	.5	.5	.5	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	13.2	12.7	14.1	5.6	5.5	5.4	1.3	1.3	1.0	2.0	2.0	1.9
Manufacturing.....	64.8	64.0	64.2	93.0	93.2	92.0	12.0	11.7	11.9	37.5	36.9	36.7
Trans. and pub. util...	26.2	26.0	26.2	10.4	10.4	10.4	8.7	8.6	7.8	4.4	4.4	4.5
Trade.....	70.3	70.3	68.2	29.5	29.3	29.1	7.0	6.8	7.0	13.4	13.4	13.2
Finance.....	17.1	17.0	16.4	5.3	5.3	5.2	1.1	1.1	1.1	2.6	2.6	2.5
Service.....	43.5	42.9	42.3	22.5	22.5	22.2	5.7	5.7	5.6	10.2	10.1	10.0
Government.....	44.6	44.3	42.9	15.2	15.0	14.5	4.9	4.9	4.9	8.6	8.6	8.1
	PENNSYLVANIA - Continued											
	Harrisburg			Johnstown			Eancaster			Philadelphia		
TOTAL	144.0	143.6	142.0	67.9	67.4	65.1	97.3	96.7	96.1	1,514.1	1,505.4	1,502.4
Mining.....	(1)	(1)	(1)	4.8	4.8	4.8	(1)	(1)	(1)	1.2	1.2	1.2
Contract construction..	5.3	5.1	4.6	1.9	1.9	1.6	4.5	4.3	4.0	60.3	56.7	56.6
Manufacturing.....	33.6	33.5	32.6	24.3	24.1	22.2	47.4	47.3	47.7	529.9	528.7	535.8
Trans. and pub. util...	11.4	11.4	11.8	4.7	4.7	4.7	4.8	4.8	4.7	106.9	106.7	106.8
Trade.....	24.9	24.8	25.4	11.5	11.3	11.3	17.0	16.8	16.3	299.8	296.9	295.9
Finance.....	6.4	6.4	6.4	1.7	1.7	1.6	2.4	2.4	2.3	84.0	83.3	84.0
Service.....	18.8	18.9	18.2	9.5	9.4	9.3	12.7	12.6	12.3	232.1	231.9	228.0
Government.....	43.6	43.5	43.0	9.5	9.5	9.6	8.5	8.5	8.3	199.9	199.5	194.1
	PENNSYLVANIA - Continued											
	Pittsburgh			Reading			Scranton			Wilkes-Barre - Hazleton		
TOTAL	747.0	743.1	728.0	103.3	103.9	102.7	74.9	75.1	74.6	105.2	104.7	104.1
Mining.....	9.1	9.3	9.0	(1)	(1)	(1)	1.2	1.2	1.1	4.1	4.1	4.8
Contract construction..	28.7	28.4	27.0	3.1	3.2	2.9	1.4	1.4	1.3	2.6	2.6	2.9
Manufacturing.....	272.0	270.6	264.2	51.7	52.6	51.3	31.3	31.5	30.9	45.1	44.8	44.4
Trans. and pub. util...	54.7	54.4	53.9	5.6	5.6	5.7	5.8	5.9	6.1	5.8	5.9	5.8
Trade.....	144.0	142.3	141.3	15.6	15.4	15.7	13.7	13.6	13.8	18.7	18.3	18.3
Finance.....	33.0	33.0	31.9	4.2	4.2	4.1	2.4	2.5	2.4	3.4	3.4	3.4
Service.....	125.5	125.1	122.1	13.3	13.2	13.2	10.8	10.7	10.8	12.7	12.7	11.9
Government.....	80.0	80.0	78.6	9.8	9.7	9.8	8.3	8.3	8.2	12.8	12.9	12.6
	PENNSYLVANIA - Continued			RHODE ISLAND			SOUTH CAROLINA					
	York			Providence - Pawrucket			Charleston			Columbia		
TOTAL	85.4	85.2	83.9	300.7	299.5	295.6	62.3	61.4	60.8	78.2	77.8	75.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	3.9	3.9	3.6	10.5	10.2	9.5	4.4	4.3	4.1	5.4	5.3	5.2
Manufacturing.....	42.1	42.1	41.0	127.3	128.4	126.7	10.4	10.0	10.0	15.6	15.5	14.8
Trans. and pub. util...	4.9	4.9	4.7	13.9	13.9	13.9	4.4	4.3	4.3	4.8	4.8	4.7
Trade.....	15.4	15.2	14.7	55.2	54.3	54.7	12.5	12.3	12.4	16.7	16.8	16.3
Finance.....	2.0	2.0	1.9	13.5	13.5	12.8	2.8	2.8	2.8	5.6	5.5	5.5
Service.....	9.3	9.3	9.1	41.9	40.9	40.5	7.0	7.0	7.0	9.8	9.8	9.6
Government.....	7.8	7.8	8.9	38.4	38.3	37.5	20.8	20.7	20.2	20.3	20.1	19.2
	SOUTH CAROLINA - Continued			SOUTH DAKOTA			TENNESSEE					
	Greenville			Sioux Falls			Chattanooga			Knoxville		
TOTAL	90.8	90.6	90.4	(7)	28.0	28.0	96.6	95.3	92.6	121.5	120.9	116.4
Mining.....	(1)	(1)	(1)	(7)	(1)	(1)	.2	.2	.2	1.6	1.5	1.7
Contract construction..	5.4	5.3	4.7	(7)	1.4	1.2	3.1	2.9	2.6	5.2	5.0	4.8
Manufacturing.....	45.5	45.5	45.4	(7)	5.2	5.3	40.6	39.8	38.5	43.4	43.2	41.5
Trans. and pub. util...	3.4	3.5	3.4	(7)	2.8	2.8	4.8	4.8	4.6	6.4	6.4	6.3
Trade.....	15.5	15.3	15.2	(7)	8.5	8.6	18.7	18.5	17.7	24.7	24.6	22.9
Finance.....	3.5	3.5	3.5	(7)	1.6	1.7	5.6	5.6	5.5	4.3	4.3	4.2
Service.....	9.6	9.6	9.5	(7)	5.1	4.8	11.3	11.3	11.2	14.1	14.1	13.8
Government.....	7.9	7.9	8.7	(7)	3.6	3.6	12.4	12.4	12.3	21.8	21.8	21.2

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**

Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	TENNESSEE - Continued						TEXAS					
	Memphis			Nashville			Dallas			Fort Worth		
TOTAL	209.3	208.5	203.0	167.2	166.6	162.3	449.0	446.3	427.5	-	-	-
Mining.....	.2	.2	.2	(1)	(1)	(1)	7.7	7.8	7.8	-	-	-
Contract construction..	11.6	11.6	10.4	9.2	9.0	8.7	29.6	28.5	27.7	-	-	-
Manufacturing.....	47.4	46.9	46.2	50.3	50.0	47.8	111.0	110.7	105.4	56.1	55.2	50.6
Trans. and pub. util...	16.4	16.4	15.7	10.6	10.6	10.5	36.8	36.6	36.6	-	-	-
Trade.....	54.8	54.6	52.9	35.2	35.0	34.6	122.7	122.0	115.4	-	-	-
Finance.....	11.7	11.6	11.5	11.4	11.4	11.3	37.6	37.4	36.0	-	-	-
Service.....	30.9	30.9	30.4	26.4	26.5	26.0	60.3	60.1	56.7	-	-	-
Government.....	36.3	36.3	35.7	24.1	24.1	23.4	43.4	43.2	41.9	-	-	-
	TEXAS - Continued						UTAH			VERMONT		
	Houston			San Antonio			Salt Lake City			Burlington ⁶		
TOTAL	-	-	-	-	-	-	156.6	155.9	154.1	20.6	20.7	21.3
Mining.....	-	-	-	-	-	-	6.4	6.4	6.4	-	-	-
Contract construction..	-	-	-	11.8	11.7	11.1	8.8	8.5	9.2	-	-	-
Manufacturing.....	93.8	94.2	92.1	24.0	24.0	23.6	28.6	29.0	29.2	4.1	4.2	5.2
Trans. and pub. util...	-	-	-	9.3	9.3	9.4	13.5	13.4	13.2	1.5	1.5	1.5
Trade.....	-	-	-	-	-	-	41.8	41.3	40.3	4.9	5.0	5.0
Finance.....	-	-	-	12.1	12.1	11.9	9.6	9.5	9.5	-	-	-
Service.....	-	-	-	-	-	-	21.9	21.7	21.2	-	-	-
Government.....	-	-	-	54.3	54.4	54.3	26.0	26.1	25.1	-	-	-
	VERMONT - Continued			VIRGINIA								
	Springfield ⁶			Newport News - Hampton			Norfolk - Portsmouth			Richmond		
TOTAL	11.8	11.8	11.4	76.3	76.0	73.7	159.6	157.8	156.3	185.0	184.5	178.2
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.4	.3	.3
Contract construction..	-	-	-	4.4	4.1	3.8	12.6	12.0	11.6	13.0	12.5	11.3
Manufacturing.....	6.5	6.5	6.4	24.2	24.2	24.6	17.1	16.6	16.3	45.6	45.8	44.5
Trans. and pub. util...	.8	.8	.8	4.1	4.1	4.1	14.6	14.6	15.0	15.1	15.1	14.9
Trade.....	1.6	1.6	1.5	11.9	11.9	11.3	38.3	37.8	36.9	43.1	42.9	41.0
Finance.....	-	-	-	2.4	2.4	2.2	6.6	6.6	6.3	14.9	14.8	14.3
Service.....	-	-	-	7.9	7.9	7.5	20.6	20.4	20.1	23.5	23.4	22.8
Government.....	-	-	-	21.4	21.4	20.2	49.7	49.7	50.0	29.4	29.7	29.1
	VIRGINIA - Continued			WASHINGTON								
	Roanoke			Seattle			Spokane			Tacoma		
TOTAL	62.1	61.6	60.5	389.4	387.4	399.2	72.3	71.9	71.5	79.0	78.2	78.5
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	3.5	3.3	3.7	18.6	17.7	19.2	3.1	3.0	3.1	3.8	3.6	4.0
Manufacturing.....	14.9	14.7	14.5	108.3	109.0	123.4	12.3	12.2	11.4	16.6	16.5	16.5
Trans. and pub. util...	8.8	8.8	8.6	29.9	29.6	29.2	7.0	7.0	7.2	5.6	5.6	5.5
Trade.....	14.3	14.2	13.6	88.0	87.0	87.3	19.2	19.1	19.2	16.7	16.4	16.6
Finance.....	3.3	3.3	3.2	24.9	24.9	24.8	4.2	4.2	4.1	4.1	4.1	3.9
Service.....	9.7	9.7	9.4	53.9	52.9	53.4	12.9	12.8	12.9	11.6	11.6	11.3
Government.....	7.5	7.5	7.4	65.8	66.3	61.9	13.6	13.6	13.6	20.6	20.4	20.7
	WEST VIRGINIA			WISCONSIN								
	Charleston			Huntington - Ashland			Wheeling			Green Bay		
TOTAL	76.9	75.8	74.5	69.3	68.5	66.1	50.6	50.1	48.1	39.1	39.1	38.1
Mining.....	3.4	3.4	3.5	.9	.9	.8	2.5	2.5	2.5	(1)	(1)	(1)
Contract construction..	3.3	3.2	3.0	3.2	3.0	3.0	2.7	2.6	2.6	1.7	1.8	1.8
Manufacturing.....	22.9	22.8	21.8	23.8	23.8	22.7	15.9	15.7	15.0	13.1	13.1	12.7
Trans. and pub. util...	8.3	8.3	8.3	7.0	7.1	7.1	3.4	3.4	3.6	3.5	3.5	3.6
Trade.....	16.0	15.7	15.6	15.0	14.6	14.4	11.2	11.1	10.7	9.9	9.9	9.4
Finance.....	3.2	3.2	3.2	2.4	2.4	2.3	1.9	1.9	1.9	1.2	1.2	1.1
Service.....	9.6	9.5	9.6	7.5	7.4	7.1	7.5	7.4	7.1	5.7	5.7	5.5
Government.....	10.5	9.9	9.8	9.7	9.3	8.8	5.8	5.6	4.9	4.1	4.1	4.1

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
AREA EMPLOYMENT**
Table B-8: Employees on nonagricultural payrolls for selected areas, by industry division--Continued

(In thousands)

Industry division	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
	WISCONSIN - Continued											
	Kenosha			La Crosse			Madison			Milwaukee		
TOTAL.....	36.4	36.4	36.6	22.6	22.7	22.5	86.1	86.1	82.2	462.1	460.2	457.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.3	1.4	1.0	1.0	.9	.6	3.9	3.7	4.0	18.2	17.9	15.8
Manufacturing.....	21.4	21.3	22.3	7.1	7.1	7.6	13.5	13.5	13.0	189.5	188.4	191.8
Trans. and pub. util...	1.4	1.4	1.5	1.9	1.9	1.9	4.5	4.5	4.3	26.4	26.2	26.8
Trade.....	4.7	4.7	4.5	5.3	5.4	5.2	17.6	17.7	16.7	92.5	92.5	91.5
Finance.....	.6	.6	.6	.6	.6	.6	4.5	4.5	4.2	22.9	22.8	22.7
Service.....	3.9	3.9	3.8	4.1	4.1	4.0	11.7	11.8	11.1	61.0	60.9	59.7
Government.....	3.0	3.0	2.9	2.6	2.7	2.6	30.5	30.4	28.9	51.7	51.4	49.6
	WISCONSIN - Continued			WYOMING								
	Racine			Casper			Cheyenne					
TOTAL.....	46.6	46.1	44.1	16.1	16.3	16.4	20.0	20.0	17.2			
Mining.....	(1)	(1)	(1)	2.8	2.9	3.2	(1)	(1)	(1)			
Contract construction..	1.6	1.5	1.3	1.2	1.2	1.0	4.4	4.3	2.2			
Manufacturing.....	22.9	22.5	21.7	1.4	1.5	1.4	1.5	1.5	1.1			
Trans. and pub. util...	1.8	1.8	1.8	1.5	1.5	1.5	2.3	2.3	2.5			
Trade.....	8.3	8.3	7.9	3.6	3.6	3.8	3.5	3.6	3.6			
Finance.....	1.3	1.3	1.2	.8	.8	.8	.9	.9	.9			
Service.....	5.7	5.7	5.5	2.2	2.2	2.2	2.3	2.3	2.1			
Government.....	5.0	5.0	4.8	2.6	2.6	2.5	5.1	5.1	4.8			

¹Combined with service.

²Combined with construction.

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

⁴Combined with manufacturing.

⁵Subarea of New York-Northeastern New Jersey.

⁶Total includes data for industry divisions not shown separately.

⁷Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA

HISTORICAL HOURS AND EARNINGS

Table C-1: Gross hours and earnings of production workers on manufacturing payrolls
1919 to date

Year and month	Manufacturing			Durable goods			Nondurable goods		
	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
1919.....	\$21.84	46.3	\$0.472	-	-	-	-	-	-
1920.....	26.02	47.4	.549	-	-	-	-	-	-
1921.....	21.94	43.1	.509	-	-	-	-	-	-
1922.....	21.28	44.2	.482	-	-	-	-	-	-
1923.....	23.56	45.6	.516	\$25.42	-	-	\$21.50	-	-
1924.....	23.67	43.7	.541	25.48	-	-	21.63	-	-
1925.....	24.11	44.5	.541	26.02	-	-	21.99	-	-
1926.....	24.38	45.0	.542	26.23	-	-	22.29	-	-
1927.....	24.47	45.0	.544	26.28	-	-	22.55	-	-
1928.....	24.70	44.4	.556	26.86	-	-	22.42	-	-
1929.....	24.76	44.2	.560	26.84	-	-	22.47	-	-
1930.....	23.00	42.1	.546	24.42	-	-	21.40	-	-
1931.....	20.64	40.5	.509	20.98	-	-	20.09	-	-
1932.....	16.89	38.3	.441	15.99	32.5	\$0.492	17.26	41.9	\$0.412
1933.....	16.65	38.1	.437	16.20	34.7	.467	16.76	40.0	.419
1934.....	18.20	34.6	.526	18.59	33.8	.550	17.73	35.1	.505
1935.....	19.91	36.6	.544	21.24	37.2	.571	18.77	36.1	.520
1936.....	21.56	39.2	.550	23.72	40.9	.580	19.57	37.7	.519
1937.....	23.82	38.6	.617	26.61	39.9	.667	21.17	37.4	.566
1938.....	22.07	35.6	.620	23.70	34.9	.679	20.65	36.1	.572
1939.....	23.64	37.7	.627	26.19	37.9	.691	21.36	37.4	.571
1940.....	24.96	38.1	.655	28.07	39.2	.716	21.83	37.0	.590
1941.....	29.48	40.6	.726	33.56	42.0	.799	24.39	38.9	.627
1942.....	36.68	43.1	.851	42.17	45.0	.937	28.57	40.3	.709
1943.....	43.07	45.0	.957	48.73	46.5	1.048	33.45	42.5	.787
1944.....	45.70	45.2	1.011	51.38	46.5	1.105	36.38	43.1	.844
1945.....	44.20	43.5	1.016	48.36	44.0	1.099	37.48	42.3	.886
1946.....	43.32	40.3	1.075	46.22	40.4	1.144	40.30	40.5	.995
1947.....	49.17	40.4	1.217	51.76	40.5	1.278	46.03	40.2	1.145
1948.....	53.12	40.0	1.328	56.36	40.4	1.395	49.50	39.6	1.250
1949.....	53.88	39.1	1.378	57.25	39.4	1.453	50.38	38.9	1.295
1950.....	58.32	40.5	1.440	62.43	41.1	1.519	53.48	39.7	1.347
1951.....	63.34	40.6	1.56	68.48	41.5	1.65	56.88	39.5	1.44
1952.....	67.16	40.7	1.65	72.63	41.5	1.75	59.95	39.7	1.51
1953.....	70.47	40.5	1.74	76.63	41.2	1.86	62.57	39.6	1.58
1954.....	70.49	39.6	1.78	76.19	40.1	1.90	63.18	39.0	1.62
1955.....	75.70	40.7	1.86	82.19	41.3	1.99	66.63	39.9	1.67
1956.....	78.78	40.4	1.95	85.28	41.0	2.08	70.09	39.6	1.77
1957.....	81.59	39.8	2.05	88.26	40.3	2.19	72.52	39.2	1.85
1958.....	82.71	39.2	2.11	89.27	39.5	2.26	74.11	38.8	1.91
1959.....	88.26	40.3	2.19	96.05	40.7	2.36	78.61	39.7	1.98
1960.....	89.72	39.7	2.26	97.44	40.1	2.43	80.36	39.2	2.05
1961.....	92.34	39.8	2.32	100.35	40.3	2.49	82.92	39.3	2.11
1962.....	96.56	40.4	2.39	104.70	40.9	2.56	85.54	39.6	2.16
1963.....	99.38	40.4	2.46	108.09	41.1	2.63	87.91	39.6	2.22
1963: April.....	97.36	39.9	2.44	106.37	40.6	2.62	85.97	38.9	2.21
May.....	99.23	40.5	2.45	108.36	41.2	2.63	87.52	39.6	2.21
June.....	100.37	40.8	2.46	109.82	41.6	2.64	88.36	39.8	2.22
July.....	99.23	40.5	2.45	108.09	41.1	2.63	88.36	39.8	2.22
August.....	98.42	40.5	2.43	107.01	41.0	2.61	88.40	40.0	2.21
September.....	100.53	40.7	2.47	109.45	41.3	2.65	89.38	39.9	2.24
October.....	100.53	40.7	2.47	109.71	41.4	2.65	88.98	39.9	2.23
November.....	100.85	40.5	2.49	110.00	41.2	2.67	89.10	39.6	2.25
December.....	102.41	40.8	2.51	111.90	41.6	2.69	90.17	39.9	2.26
1964: January.....	99.90	39.8	2.51	109.21	40.6	2.69	87.85	38.7	2.27
February.....	101.15	40.3	2.51	109.88	41.0	2.68	89.04	39.4	2.26
March.....	101.40	40.4	2.51	110.29	41.0	2.69	89.67	39.5	2.27
April.....	101.81	40.4	2.52	111.24	41.2	2.70	89.60	39.3	2.28

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the hours and earnings series. Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-2: Gross hours and earnings of production workers,¹ by industry

Industry	Average weekly earnings					Average hourly earnings				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
MINING	-	\$113.16	\$115.09	\$112.75	\$110.97	-	\$2.76	\$2.78	\$2.73	\$2.74
METAL MINING	-	122.54	122.54	117.50	118.37	-	2.89	2.89	2.88	2.88
Iron ores	-	128.54	126.89	117.80	116.73	-	3.12	3.11	3.10	3.08
Copper ores	-	128.91	128.33	124.12	125.71	-	2.91	2.91	2.86	2.87
COAL MINING	-	115.02	121.09	117.73	113.77	-	3.16	3.17	3.09	3.10
Bituminous	-	117.12	123.52	119.81	114.56	-	3.20	3.20	3.12	3.13
CRUDE PETROLEUM AND NATURAL GAS	-	112.25	112.94	111.45	110.77	-	2.66	2.67	2.66	2.65
Crude petroleum and natural gas fields	-	120.13	121.25	120.30	118.26	-	2.93	2.95	2.92	2.92
Oil and gas field services	-	105.41	106.52	103.52	104.25	-	2.44	2.46	2.43	2.43
QUARRYING AND NONMETALLIC MINING	-	106.46	105.96	106.56	102.00	-	2.47	2.47	2.40	2.40
CONTRACT CONSTRUCTION	-	128.12	127.09	124.58	122.72	-	3.51	3.54	3.34	3.39
GENERAL BUILDING CONTRACTORS	-	120.27	118.29	115.84	113.34	-	3.35	3.37	3.20	3.22
HEAVY CONSTRUCTION	-	121.52	123.31	122.36	117.30	-	3.10	3.17	2.97	3.00
Highway and street construction	-	113.68	114.94	117.74	109.42	-	2.90	2.97	2.81	2.82
Other heavy construction	-	128.18	129.81	127.98	123.80	-	3.27	3.32	3.16	3.15
SPECIAL TRADE CONTRACTORS	-	134.63	133.81	131.40	130.31	-	3.75	3.78	3.60	3.64
MANUFACTURING	\$101.81	101.40	101.15	97.36	98.09	\$2.52	2.51	2.51	2.44	2.44
DURABLE GOODS	111.24	110.29	109.88	106.37	106.49	2.70	2.69	2.68	2.62	2.61
NONDURABLE GOODS	89.60	89.67	89.04	85.97	86.68	2.28	2.27	2.26	2.21	2.20
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	118.99	119.39	119.29	115.14	118.20	2.96	2.97	2.96	2.85	2.89
Ammunition, except for small arms	119.30	119.70	120.60	116.24	117.86	2.99	3.00	3.00	2.87	2.91
Sighting and fire control equipment	-	131.78	131.05	119.20	127.98	-	3.23	3.22	3.01	3.04
Other ordnance and accessories	116.24	116.52	115.02	112.19	116.05	2.87	2.87	2.84	2.77	2.81
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	82.59	81.99	81.97	78.41	77.81	2.07	2.06	2.07	1.98	1.98
Sawmills and planing mills	77.20	76.61	75.85	71.82	71.16	1.93	1.92	1.93	1.80	1.82
Sawmills and planing mills, general	-	77.81	77.22	73.23	72.35	-	1.96	1.98	1.84	1.86
Millwork, plywood, and related products	91.91	91.91	91.88	87.94	87.94	2.22	2.22	2.23	2.15	2.15
Millwork	-	88.44	88.22	86.58	86.55	-	2.20	2.20	2.17	2.18
Veneer and plywood	-	95.87	95.40	88.41	89.04	-	2.24	2.25	2.11	2.11
Wooden containers	68.28	67.94	66.18	66.73	65.01	1.72	1.72	1.71	1.66	1.65
Wooden boxes, shooks, and crates	-	65.90	63.80	64.32	62.65	-	1.66	1.64	1.60	1.59
Miscellaneous wood products	77.30	76.52	75.92	72.36	73.12	1.89	1.88	1.87	1.80	1.81
FURNITURE AND FIXTURES	83.03	82.01	82.21	78.01	79.19	2.03	2.02	2.02	1.96	1.97
Household furniture	79.13	78.74	78.94	74.21	75.36	1.93	1.93	1.93	1.86	1.87
Wood house furniture, upholstered	-	74.40	74.76	70.04	71.14	-	1.78	1.78	1.70	1.71
Wood house furniture, upholstered	-	84.61	84.16	79.46	80.91	-	2.11	2.12	2.08	2.08
Mattresses and bedspreads	-	82.35	83.85	78.28	78.62	-	2.15	2.15	2.06	2.08
Office furniture	-	95.65	96.82	92.63	93.15	-	2.35	2.35	2.31	2.30
Partitions; office and store fixtures	-	102.05	100.36	98.39	101.20	-	2.59	2.58	2.51	2.53
Other furniture and fixtures	87.94	86.27	85.41	81.19	79.98	2.15	2.13	2.13	2.04	2.03
STONE, CLAY, AND GLASS PRODUCTS	103.66	102.00	101.75	101.11	99.47	2.51	2.50	2.50	2.46	2.45
Flat glass	-	139.06	140.56	131.66	130.65	-	3.40	3.42	3.35	3.35
Glass and glassware, pressed or blown	102.47	101.15	100.90	98.00	100.40	2.53	2.51	2.51	2.50	2.51
Glass containers	-	102.82	100.90	100.25	100.10	-	2.52	2.51	2.50	2.49
Pressed and blown glassware, n.e.c.	-	99.00	100.25	94.88	100.44	-	2.50	2.50	2.51	2.53
Cement, hydraulic	118.24	116.97	116.00	119.99	112.87	2.87	2.86	2.85	2.85	2.78
Structural clay products	90.69	88.29	87.89	90.27	86.67	2.18	2.18	2.17	2.17	2.14
Brick and structural clay tile	-	83.83	81.79	84.80	80.34	-	2.02	1.99	2.00	1.95
Pottery and related products	-	92.27	92.40	88.37	89.31	-	2.33	2.31	2.26	2.29
Concrete, gypsum, and plaster products	105.08	100.53	99.31	103.92	99.48	2.49	2.44	2.44	2.40	2.38
Other stone and mineral products	106.85	105.92	104.49	100.61	100.12	2.55	2.54	2.53	2.46	2.46
Abrasive products	-	105.15	104.49	101.20	100.30	-	2.59	2.58	2.53	2.52

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**
Table C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
MINING	-	41.0	41.4	41.3	40.5	-	-	-	-	-
METAL MINING	-	42.4	42.4	40.8	41.1	-	-	-	-	-
Iron ores	-	41.2	40.8	38.0	37.9	-	-	-	-	-
Copper ores	-	44.3	44.1	43.4	43.8	-	-	-	-	-
COAL MINING	-	36.4	38.2	38.1	36.7	-	-	-	-	-
Bituminous	-	36.6	38.6	38.4	36.6	-	-	-	-	-
CRUDE PETROLEUM AND NATURAL GAS	-	42.2	42.3	41.9	41.8	-	-	-	-	-
Crude petroleum and natural gas fields	-	41.0	41.1	41.2	40.5	-	-	-	-	-
Oil and gas field services	-	43.2	43.3	42.6	42.9	-	-	-	-	-
QUARRYING AND NONMETALLIC MINING	-	43.1	42.9	44.4	42.5	-	-	-	-	-
CONTRACT CONSTRUCTION	-	36.5	35.9	37.3	36.2	-	-	-	-	-
GENERAL BUILDING CONTRACTORS	-	35.9	35.1	36.2	35.2	-	-	-	-	-
HEAVY CONSTRUCTION	-	39.2	38.9	41.2	39.1	-	-	-	-	-
Highway and street construction	-	39.2	38.7	41.9	38.8	-	-	-	-	-
Other heavy construction	-	39.2	39.1	40.5	39.3	-	-	-	-	-
SPECIAL TRADE CONTRACTORS	-	35.9	35.4	36.5	35.8	-	-	-	-	-
MANUFACTURING	40.4	40.4	40.3	39.9	40.2	2.8 ^a	2.8	2.7	2.4	2.6
DURABLE GOODS	41.2	41.0	41.0	40.6	40.8	3.0	2.9	2.8	2.5	2.7
NONDURABLE GOODS	39.3	39.5	39.4	38.9	39.4	2.5	2.6	2.6	2.4	2.6
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	40.2	40.2	40.3	40.4	40.9	-	1.5	1.6	1.6	2.1
Ammunition, except for small arms	39.9	39.9	40.2	40.5	40.5	-	1.5	1.6	1.6	1.9
Sighting and fire control equipment	-	40.8	40.7	39.6	42.1	-	1.3	1.3	1.2	2.1
Other ordnance and accessories	40.5	40.6	40.5	40.5	41.3	-	1.6	1.7	1.6	2.4
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	39.9	39.8	39.6	39.6	39.3	-	3.1	3.1	2.9	3.0
Sawmills and planing mills	40.0	39.9	39.3	39.9	39.1	-	3.1	3.0	3.0	3.0
Sawmills and planing mills, general	-	39.7	39.0	39.8	38.9	-	-	-	-	-
Millwork, plywood, and related products	41.4	41.4	41.2	40.9	40.9	-	3.8	3.7	3.1	3.2
Millwork	-	40.2	40.1	39.9	39.7	-	-	-	-	-
Veneer and plywood	-	42.8	42.4	41.9	42.2	-	-	-	-	-
Wooden containers	39.7	39.5	38.7	40.2	39.4	-	2.4	2.1	2.8	2.6
Wooden boxes, shooks, and crates	-	39.7	38.9	40.2	39.4	-	-	-	-	-
Miscellaneous wood products	40.9	40.7	40.6	40.2	40.4	-	2.8	2.7	2.6	2.9
FURNITURE AND FIXTURES	40.9	40.6	40.7	39.8	40.2	-	2.8	2.8	2.2	2.6
Household furniture	41.0	40.8	40.9	39.9	40.3	-	3.1	3.0	2.4	2.9
Wood house furniture, unupholstered	-	41.8	42.0	41.2	41.6	-	-	-	-	-
Wood house furniture, upholstered	-	40.1	39.7	38.2	38.9	-	-	-	-	-
Mattresses and bedsprings	-	38.3	39.0	38.0	37.8	-	-	-	-	-
Office furniture	-	40.7	41.2	40.1	40.5	-	1.9	2.1	1.3	1.8
Partitions; office and store fixtures	-	39.4	38.9	39.2	40.0	-	1.6	1.5	1.2	1.3
Other furniture and fixtures	40.9	40.5	40.1	39.8	39.4	-	2.4	2.3	1.9	2.1
STONE, CLAY, AND GLASS PRODUCTS	41.3	40.8	40.7	41.1	40.6	-	3.3	3.2	3.4	3.1
Flat glass	-	40.9	41.1	39.3	39.0	-	2.8	3.4	1.6	1.3
Glass and glassware, pressed or blown	40.5	40.3	40.2	39.2	40.0	-	3.6	3.4	3.3	3.3
Glass containers	-	40.8	40.2	40.1	40.2	-	-	-	-	-
Pressed and blown glassware, n.e.c.	-	39.6	40.1	37.8	39.7	-	-	-	-	-
Cement, hydraulic	41.2	40.9	40.7	42.1	40.6	-	1.9	1.7	2.3	2.0
Structural clay products	41.6	40.5	40.5	41.6	40.5	-	3.0	2.7	2.8	2.6
Brick and structural clay tile	-	41.5	41.1	42.4	41.2	-	-	-	-	-
Pottery and related products	-	39.6	40.0	39.1	39.0	-	1.8	1.7	1.6	1.8
Concrete, gypsum, and plaster products	42.2	41.2	40.7	43.3	41.8	-	4.3	4.1	5.6	4.5
Other stone and mineral products	41.9	41.7	41.3	40.9	40.7	-	3.2	2.9	2.5	2.8
Abrasive products	-	40.6	40.5	40.0	39.8	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
PRIMARY METAL INDUSTRIES	\$129.58	\$127.51	\$126.18	\$127.82	\$122.91	\$3.10	\$3.08	\$3.07	\$3.08	\$3.02
Blast furnace and basic steel products	139.52	135.53	133.87	141.70	131.27	3.37	3.33	3.33	3.39	3.29
Blast furnaces, steel and rolling mills	-	136.82	134.80	143.79	132.93	-	3.37	3.37	3.44	3.34
Iron and steel foundries	119.28	119.13	118.71	110.15	110.15	2.80	2.79	2.78	2.68	2.68
Gray iron foundries	-	117.82	116.42	108.21	108.62	-	2.74	2.72	2.62	2.63
Malleable iron foundries	-	123.83	122.11	112.61	113.03	-	2.90	2.88	2.76	2.75
Steel foundries	-	120.41	121.55	113.70	113.83	-	2.86	2.86	2.78	2.79
Nonferrous smelting and refining	118.24	118.40	118.98	120.12	117.31	2.87	2.86	2.86	2.86	2.82
Nonferrous rolling, drawing and extruding	119.85	119.85	119.43	115.23	116.34	2.84	2.84	2.83	2.77	2.77
Copper rolling, drawing, and extruding	-	127.44	127.01	115.34	117.86	-	2.95	2.94	2.82	2.84
Aluminum rolling, drawing, and extruding	-	124.38	122.96	128.27	124.02	-	2.99	2.97	2.99	2.96
Nonferrous wire drawing and insulating	-	110.30	110.30	101.91	107.70	-	2.62	2.62	2.51	2.54
Nonferrous foundries	109.18	109.59	108.24	105.01	106.45	2.65	2.66	2.64	2.58	2.59
Aluminum castings	-	111.22	109.33	106.63	109.56	-	2.68	2.66	2.62	2.64
Other nonferrous castings	-	107.57	106.75	102.97	103.12	-	2.63	2.61	2.53	2.54
Miscellaneous primary metal industries	132.93	132.51	131.88	125.05	126.99	3.15	3.14	3.14	3.05	3.06
Iron and steel forgings	-	135.62	133.90	126.72	128.21	-	3.26	3.25	3.16	3.15
FABRICATED METAL PRODUCTS	110.12	109.86	109.18	104.75	105.67	2.66	2.66	2.65	2.58	2.59
Metal cans	132.44	129.32	128.83	125.14	122.59	3.08	3.05	3.06	3.03	2.99
Cutlery, hand tools, and general hardware	106.30	105.63	106.14	99.70	101.75	2.58	2.57	2.57	2.48	2.50
Cutlery and hand tools, including saws	-	100.28	97.85	95.51	96.87	-	2.44	2.41	2.37	2.38
Hardware, n.e.c.	-	108.50	111.34	102.26	105.01	-	2.64	2.67	2.55	2.58
Heating equipment and plumbing fixtures	100.33	101.75	103.20	97.86	98.60	2.54	2.55	2.58	2.49	2.49
Sanitary ware and plumbers' brass goods	-	102.94	101.77	99.29	100.30	-	2.58	2.57	2.52	2.52
Heating equipment, except electric	-	100.55	103.97	96.43	97.17	-	2.52	2.58	2.46	2.46
Fabricated structural metal products	108.79	108.39	107.45	104.64	104.12	2.66	2.65	2.64	2.59	2.59
Fabricated structural steel	-	111.22	109.61	107.59	106.00	-	2.68	2.68	2.65	2.65
Metal doors, sash, frames, and trim	-	90.64	90.55	91.53	90.63	-	2.33	2.31	2.26	2.26
Fabricated plate work (boiler shops)	-	115.51	114.82	109.34	110.97	-	2.77	2.76	2.68	2.70
Sheet metal work	-	113.71	113.30	106.66	107.06	-	2.74	2.75	2.68	2.69
Architectural and miscellaneous metal work	-	105.34	104.28	104.15	102.96	-	2.64	2.64	2.63	2.60
Screw machine products, bolts, etc.	112.04	112.30	112.56	105.08	106.26	2.63	2.63	2.63	2.52	2.53
Screw machine products	-	106.75	107.25	100.14	99.90	-	2.50	2.50	2.39	2.39
Bolts, nuts, screws, rivets, and washers	-	117.00	116.72	109.56	111.57	-	2.74	2.74	2.64	2.65
Metal stampings	121.13	120.13	119.71	112.06	113.57	2.85	2.84	2.83	2.72	2.73
Coating, engraving, and allied services	97.27	95.27	96.70	92.80	94.12	2.39	2.37	2.37	2.28	2.29
Miscellaneous fabricated wire products	99.77	98.57	98.09	95.51	97.34	2.41	2.41	2.41	2.37	2.38
Miscellaneous fabricated metal products	106.63	105.44	105.44	104.23	104.86	2.62	2.61	2.61	2.58	2.57
Valves, pipe, and pipe fittings	-	107.33	107.46	105.71	106.90	-	2.65	2.66	2.61	2.62
MACHINERY	121.26	121.55	120.56	113.85	115.51	2.86	2.86	2.85	2.75	2.77
Engines and turbines	125.76	128.44	124.84	119.30	124.23	3.09	3.11	3.09	2.99	3.03
Steam engines and turbines	-	135.54	129.65	131.46	131.78	-	3.38	3.35	3.23	3.23
Internal combustion engines, n.e.c.	-	125.28	122.25	112.68	120.01	-	2.99	2.96	2.86	2.92
Farm machinery and equipment	-	118.85	119.56	111.66	112.61	-	2.85	2.84	2.73	2.74
Construction and related machinery	123.26	121.40	116.90	113.57	113.85	2.88	2.87	2.81	2.77	2.77
Construction and mining machinery	-	124.49	117.10	117.01	116.44	-	2.95	2.87	2.84	2.84
Oil field machinery and equipment	-	118.09	116.64	104.81	106.13	-	2.69	2.70	2.64	2.64
Conveyors, hoists, and industrial cranes	-	115.50	116.18	111.61	111.83	-	2.75	2.74	2.67	2.65
Metalworking machinery and equipment	140.12	139.50	138.60	128.17	130.52	3.10	3.10	3.08	2.96	2.98
Machine tools, metal cutting types	-	131.57	129.21	122.27	124.70	-	2.97	2.95	2.85	2.88
Special dies, tools, jigs, and fixtures	-	161.95	161.17	144.55	148.16	-	3.36	3.33	3.17	3.20
Machine tool accessories	-	117.59	117.18	112.19	114.39	-	2.82	2.81	2.71	2.73
Miscellaneous metalworking machinery	-	124.82	125.11	116.16	117.55	-	2.93	2.93	2.84	2.86
Special industry machinery	112.36	113.16	112.20	107.17	108.88	2.65	2.65	2.64	2.57	2.58
Food products machinery	-	115.79	115.37	110.83	112.59	-	2.79	2.78	2.69	2.70
Textile machinery	-	94.85	95.08	89.35	90.89	-	2.28	2.28	2.19	2.19
General industrial machinery	117.58	118.43	118.14	110.16	110.98	2.84	2.84	2.84	2.72	2.72
Pumps; air and gas compressors	-	114.53	112.75	108.53	108.94	-	2.74	2.75	2.66	2.67
Ball and roller bearings	-	119.60	122.01	110.68	112.61	-	2.91	2.94	2.76	2.76
Mechanical power transmission goods	-	122.55	122.27	113.85	115.79	-	2.85	2.85	2.77	2.77
Office, computing, and accounting machines	116.11	115.53	116.76	114.33	115.30	2.91	2.91	2.89	2.83	2.84
Computing machines and cash registers	-	121.60	122.89	121.91	122.51	-	3.11	3.08	3.01	3.01
Service industry machines	107.68	105.82	106.23	101.15	102.31	2.62	2.60	2.61	2.51	2.52
Refrigeration, except home refrigerators	-	106.90	107.04	101.66	102.97	-	2.62	2.63	2.51	2.53
Miscellaneous machinery	114.59	115.13	113.74	109.36	110.72	2.69	2.69	2.67	2.61	2.63
Machine shops, jobbing and repair	-	113.95	112.99	109.04	110.66	-	2.65	2.64	2.59	2.61
Machine parts, n.e.c., except electrical	-	117.30	116.20	110.54	110.92	-	2.76	2.76	2.67	2.66

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
HOURS AND EARNINGS

Table C-2: Gross hours and earnings of production workers, by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
PRIMARY METAL INDUSTRIES	41.8	41.4	41.1	41.5	40.7	-	2.8	2.6	2.8	2.5
Blast furnace and basic steel products	41.4	40.7	40.2	41.8	39.9	-	1.7	1.6	2.8	1.8
Blast furnaces, steel and rolling mills	-	40.6	40.0	41.8	39.8	-	-	-	-	-
Iron and steel foundries	42.6	42.7	42.7	41.1	41.1	-	4.7	4.5	3.1	3.5
Gray iron foundries	-	43.0	42.8	41.3	41.3	-	-	-	-	-
Malleable iron foundries	-	42.7	42.4	40.8	41.1	-	-	-	-	-
Steel foundries	-	42.1	42.5	40.9	40.8	-	-	-	-	-
Nonferrous smelting and refining	41.2	41.4	41.6	42.0	41.6	-	3.1	2.8	2.9	2.9
Nonferrous rolling, drawing and extruding	42.2	42.2	42.2	41.6	42.0	-	3.4	3.5	2.5	3.4
Copper rolling, drawing, and extruding	-	43.2	43.2	40.9	41.5	-	-	-	-	-
Aluminum rolling, drawing, and extruding	-	41.6	41.4	42.9	41.9	-	-	-	-	-
Nonferrous wire drawing and insulating	-	42.1	42.1	40.6	42.4	-	-	-	-	-
Nonferrous foundries	41.2	41.2	41.0	40.7	41.1	-	3.0	3.0	2.7	3.1
Aluminum castings	-	41.5	41.1	40.7	41.5	-	-	-	-	-
Other nonferrous castings	-	40.9	40.9	40.7	40.6	-	-	-	-	-
Miscellaneous primary metal industries	42.2	42.2	42.0	41.0	41.5	-	3.7	3.4	2.7	3.0
Iron and steel forgings	-	41.6	41.2	40.1	40.7	-	-	-	-	-
FABRICATED METAL PRODUCTS	41.4	41.3	41.2	40.6	40.8	-	2.9	2.8	2.4	2.7
Metal cans	43.0	42.4	42.1	41.3	41.0	-	3.0	3.3	3.1	2.3
Cutlery, hand tools, and general hardware	41.2	41.1	41.3	40.2	40.7	-	2.5	2.7	2.0	2.6
Cutlery and hand tools, including saws	-	41.1	40.6	40.3	40.7	-	-	-	-	-
Hardware, n.e.c.	-	41.1	41.7	40.1	40.7	-	-	-	-	-
Heating equipment and plumbing fixtures	39.5	39.9	40.0	39.3	39.6	-	1.8	1.7	1.3	1.7
Sanitary ware and plumbers' brass goods	-	39.9	39.6	39.4	39.8	-	-	-	-	-
Heating equipment, except electric	-	39.9	40.3	39.2	39.5	-	-	-	-	-
Fabricated structural metal products	40.9	40.9	40.7	40.4	40.2	-	2.5	2.3	2.0	2.2
Fabricated structural steel	-	41.5	40.9	40.6	40.0	-	-	-	-	-
Metal doors, sash, frames, and trim	-	38.9	39.2	40.5	40.1	-	-	-	-	-
Fabricated plate work (boiler shops)	-	41.7	41.6	40.8	41.1	-	-	-	-	-
Sheet metal work	-	41.5	41.2	39.8	39.8	-	-	-	-	-
Architectural and miscellaneous metal work	-	39.9	39.5	39.6	39.6	-	-	-	-	-
Screw machine products, bolts, etc.	42.6	42.7	42.8	41.7	42.0	-	4.1	4.1	3.1	3.5
Screw machine products	-	42.7	42.9	41.9	41.8	-	-	-	-	-
Bolts, nuts, screws, rivets, and washers	-	42.7	42.6	41.5	42.1	-	-	-	-	-
Metal stampings	42.5	42.3	42.3	41.2	41.6	-	3.9	3.6	3.0	3.3
Coating, engraving, and allied services	40.7	40.2	40.8	40.7	41.1	-	3.2	3.1	2.6	3.1
Miscellaneous fabricated wire products	41.4	40.9	40.7	40.3	40.9	-	2.9	2.7	2.2	2.8
Miscellaneous fabricated metal products	40.7	40.4	40.4	40.4	40.8	-	2.3	2.3	2.2	2.6
Valves, pipe, and pipe fittings	-	40.5	40.4	40.5	40.8	-	-	-	-	-
MACHINERY	42.4	42.5	42.3	41.4	41.7	-	3.8	3.7	2.8	3.2
Engines and turbines	40.7	41.3	40.4	39.9	41.0	-	2.7	2.7	1.8	2.7
Steam engines and turbines	-	40.1	38.7	40.7	40.8	-	-	-	-	-
Internal combustion engines, n.e.c.	-	41.9	41.3	39.4	41.1	-	-	-	-	-
Farm machinery and equipment	-	41.7	42.1	40.9	41.1	-	3.1	3.2	2.2	2.6
Construction and related machinery	42.8	42.3	41.6	41.0	41.1	-	3.5	3.1	2.2	2.4
Construction and mining machinery	-	42.2	40.8	41.2	41.0	-	-	-	-	-
Oil field machinery and equipment	-	43.9	43.2	39.7	40.2	-	-	-	-	-
Conveyors, hoists, and industrial cranes	-	42.0	42.4	41.8	42.2	-	-	-	-	-
Metalworking machinery and equipment	45.2	45.0	45.0	43.3	43.8	-	6.5	6.3	4.6	5.1
Machine tools, metal cutting types	-	44.3	43.8	42.9	43.3	-	-	-	-	-
Special dies, tools, jigs, and fixtures	-	48.2	48.4	45.6	46.3	-	-	-	-	-
Machine tool accessories	-	41.7	41.7	41.4	41.9	-	-	-	-	-
Miscellaneous metalworking machinery	-	42.6	42.7	40.9	41.1	-	-	-	-	-
Special industry machinery	42.4	42.7	42.5	41.7	42.2	-	3.8	3.6	3.1	3.5
Food products machinery	-	41.5	41.5	41.2	41.7	-	-	-	-	-
Textile machinery	-	41.6	41.7	40.8	41.5	-	-	-	-	-
General industrial machinery	41.4	41.7	41.6	40.5	40.8	-	3.1	3.1	2.0	2.4
Pumps; air and gas compressors	-	41.8	41.0	40.8	40.8	-	-	-	-	-
Ball and roller bearings	-	41.1	41.5	40.1	40.8	-	-	-	-	-
Mechanical power transmission goods	-	43.0	42.9	41.1	41.8	-	-	-	-	-
Office, computing, and accounting machines	39.9	39.7	40.4	40.4	40.6	-	1.3	1.5	1.3	1.7
Computing machines and cash registers	-	39.1	39.9	40.5	40.7	-	-	-	-	-
Service industry machines	41.1	40.7	40.7	40.3	40.6	-	2.1	2.0	1.7	2.3
Refrigeration, except home refrigerators	-	40.8	40.7	40.5	40.7	-	-	-	-	-
Miscellaneous machinery	42.6	42.8	42.6	41.9	42.1	-	4.5	4.3	3.5	4.1
Machine shops, jobbing and repair	-	43.0	42.8	42.1	42.4	-	-	-	-	-
Machine parts, n.e.c., except electrical	-	42.5	42.1	41.4	41.7	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-2: Gross hours and earnings of production workers¹ by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
ELECTRICAL EQUIPMENT AND SUPPLIES	\$100.90	\$100.90	\$100.90	\$96.87	\$97.84	\$2.51	\$2.51	\$2.51	\$2.44	\$2.44
Electric distribution equipment	108.95	109.75	110.29	103.34	104.78	2.69	2.69	2.69	2.59	2.60
Electric measuring instruments	-	98.40	99.70	92.28	94.49	-	2.46	2.48	2.36	2.38
Power and distribution transformers	-	108.81	109.75	106.39	107.86	-	2.68	2.69	2.64	2.65
Switchgear and switchboard apparatus	-	118.56	118.14	110.15	111.65	-	2.85	2.84	2.74	2.75
Electrical industrial apparatus	108.88	107.94	106.75	102.36	102.97	2.63	2.62	2.61	2.54	2.53
Motors and generators	-	109.20	108.67	106.23	107.12	-	2.67	2.67	2.61	2.60
Industrial controls	-	104.55	102.31	97.42	97.27	-	2.55	2.52	2.46	2.45
Household appliances	107.74	107.47	106.80	106.25	107.71	2.68	2.68	2.67	2.63	2.64
Household refrigerators and freezers	-	114.91	113.43	114.65	117.29	-	2.88	2.85	2.81	2.84
Household laundry equipment	-	111.50	108.23	107.46	112.20	-	2.76	2.74	2.70	2.75
Electric housewares and fans	-	93.38	92.20	90.55	90.91	-	2.37	2.34	2.31	2.29
Electric lighting and wiring equipment	94.33	93.93	94.40	90.00	91.14	2.37	2.36	2.36	2.29	2.29
Electric lamps	-	97.76	98.49	93.46	93.69	-	2.45	2.45	2.36	2.36
Lighting fixtures	-	95.20	95.44	91.25	92.23	-	2.38	2.38	2.31	2.30
Wiring devices	-	90.91	91.37	86.97	88.48	-	2.29	2.29	2.23	2.24
Radio and TV receiving sets	85.63	85.86	86.46	83.00	85.36	2.23	2.23	2.24	2.19	2.20
Communication equipment	110.43	109.62	109.35	103.88	106.11	2.70	2.70	2.70	2.61	2.62
Telephone and telegraph apparatus	-	110.03	109.76	101.38	103.72	-	2.71	2.71	2.56	2.58
Radio and TV communication equipment	-	109.21	109.35	105.60	107.45	-	2.69	2.70	2.64	2.64
Electronic components and accessories	84.99	85.17	84.96	82.14	83.58	2.13	2.14	2.14	2.09	2.10
Electron tubes	-	98.88	98.64	93.73	95.94	-	2.40	2.40	2.32	2.34
Electronic components, n.e.c.	-	80.77	80.96	78.19	79.19	-	2.05	2.06	2.01	2.01
Miscellaneous electrical equipment and supplies	106.52	107.06	109.48	102.94	103.34	2.69	2.69	2.69	2.58	2.59
Electrical equipment for engines	-	111.67	115.90	107.87	107.60	-	2.82	2.82	2.69	2.69
TRANSPORTATION EQUIPMENT	128.63	126.38	126.99	121.54	123.85	3.07	3.06	3.06	2.95	2.97
Motor vehicles and equipment	135.36	130.62	132.51	125.44	128.29	3.17	3.14	3.14	3.03	3.04
Motor vehicles	-	133.95	135.98	128.13	132.60	-	3.22	3.23	3.11	3.12
Passenger car bodies	-	128.77	139.19	134.30	139.64	-	3.26	3.33	3.19	3.24
Truck and bus bodies	-	104.34	105.01	105.83	105.73	-	2.57	2.58	2.55	2.56
Motor vehicle parts and accessories	-	132.09	132.91	124.50	126.54	-	3.13	3.12	3.00	3.02
Aircraft and parts	124.01	123.11	123.82	118.90	120.18	3.01	3.01	3.02	2.90	2.91
Aircraft	-	121.91	122.51	118.90	119.48	-	3.01	3.01	2.90	2.90
Aircraft engines and engine parts	-	124.14	124.44	120.36	121.66	-	3.05	3.05	2.95	2.96
Other aircraft parts and equipment	-	125.80	124.74	117.86	120.12	-	2.96	2.97	2.84	2.86
Ship and boat building and repairing	121.18	123.37	120.39	119.25	119.95	2.97	2.98	2.98	2.93	2.94
Ship building and repairing	-	131.04	127.26	125.36	126.79	-	3.15	3.15	3.08	3.10
Boat building and repairing	-	91.53	91.94	91.80	89.24	-	2.26	2.27	2.25	2.22
Railroad equipment	-	126.17	126.38	199.10	121.88	-	3.10	3.09	2.97	2.98
Other transportation equipment	-	91.58	90.72	91.17	88.66	-	2.25	2.24	2.24	2.20
INSTRUMENTS AND RELATED PRODUCTS	101.81	101.40	101.66	99.14	101.18	2.52	2.51	2.51	2.46	2.48
Engineering and scientific instruments	-	116.93	117.22	114.86	118.69	-	2.88	2.88	2.85	2.86
Mechanical measuring and control devices	103.53	103.12	102.47	100.10	101.09	2.55	2.54	2.53	2.49	2.49
Mechanical measuring devices	-	106.04	104.19	100.10	101.75	-	2.58	2.56	2.49	2.50
Automatic temperature controls	-	98.55	99.70	99.70	100.44	-	2.47	2.48	2.48	2.48
Optical and ophthalmic goods	92.70	92.29	92.96	93.02	93.66	2.25	2.24	2.24	2.22	2.23
Surgical, medical, and dental equipment	86.80	85.75	85.79	82.58	83.39	2.17	2.16	2.15	2.08	2.09
Photographic equipment and supplies	(2)	117.14	117.26	111.78	114.26	(2)	2.85	2.86	2.76	2.78
Watches and clocks	-	81.15	81.24	82.50	83.53	-	2.13	2.11	2.11	2.12
MISCELLANEOUS MANUFACTURING INDUSTRIES	81.95	82.37	82.16	79.17	80.39	2.08	2.08	2.08	2.03	2.03
Jewelry, silverware, and plated ware	89.87	89.24	87.96	85.54	86.40	2.23	2.22	2.21	2.16	2.16
Toys, amusement, and sporting goods	-	73.92	73.53	71.63	73.14	-	1.93	1.93	1.88	1.89
Toys, games, dolls, and play vehicles	-	69.93	70.31	69.93	72.17	-	1.89	1.89	1.85	1.86
Sporting and athletic goods, n.e.c.	-	79.60	77.81	74.50	74.69	-	1.98	1.98	1.93	1.93
Pens, pencils, office and art materials	-	78.21	78.80	76.43	77.02	-	1.98	1.99	1.93	1.94
Costume jewelry, buttons, and notions	-	76.19	77.18	71.97	73.05	-	1.90	1.92	1.85	1.84
Other manufacturing industries	88.36	89.24	88.58	85.10	86.40	2.22	2.22	2.22	2.16	2.16
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	96.32	95.60	95.68	92.40	93.32	2.39	2.39	2.38	2.31	2.31
Meat products	102.26	103.06	101.24	97.66	98.85	2.55	2.57	2.55	2.46	2.49
Meat packing	-	120.96	118.12	115.37	116.90	-	2.88	2.86	2.78	2.81
Sausages and other prepared meats	-	109.21	106.66	105.32	103.34	-	2.69	2.68	2.62	2.59
Poultry dressing and packing	-	52.40	53.10	49.84	49.27	-	1.51	1.50	1.42	1.42

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**
Table C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Durable Goods--Continued</i>										
ELECTRICAL EQUIPMENT AND SUPPLIES	40.2	40.2	40.2	39.7	40.1	-	1.9	1.9	1.5	1.9
Electric distribution equipment	40.5	40.8	41.0	39.9	40.3	-	2.1	2.1	1.5	1.8
Electric measuring instruments	-	40.0	40.2	39.1	39.7	-	-	-	-	-
Power and distribution transformers	-	40.6	40.8	40.3	40.7	-	-	-	-	-
Switchgear and switchboard apparatus	-	41.6	41.6	40.2	40.6	-	-	-	-	-
Electrical industrial apparatus	41.4	41.2	40.9	40.3	40.7	-	2.9	2.4	1.9	2.2
Motors and generators	-	40.9	40.7	40.7	41.2	-	-	-	-	-
Industrial controls	-	41.0	40.6	39.6	39.7	-	-	-	-	-
Household appliances	40.2	40.1	40.0	40.4	40.8	-	1.9	1.4	1.5	2.2
Household refrigerators and freezers	-	39.9	39.8	40.8	41.3	-	-	-	-	-
Household laundry equipment	-	40.4	39.5	39.8	40.8	-	-	-	-	-
Electric housewares and fans	-	39.4	39.4	39.2	39.7	-	-	-	-	-
Electric lighting and wiring equipment	39.8	39.8	40.0	39.3	39.8	-	1.8	1.9	1.5	1.7
Electric lamps	-	39.9	40.2	39.6	39.7	-	-	-	-	-
Lighting fixtures	-	40.0	40.1	39.5	40.1	-	-	-	-	-
Wiring devices	-	39.7	39.9	39.0	39.5	-	-	-	-	-
Radio and TV receiving sets	38.4	38.5	38.6	37.9	38.8	-	1.0	1.3	.8	1.4
Communication equipment	40.9	40.6	40.5	39.8	40.5	-	1.7	1.6	1.3	1.9
Telephone and telegraph apparatus	-	40.6	40.5	39.6	40.2	-	-	-	-	-
Radio and TV communication equipment	-	40.6	40.5	40.0	40.7	-	-	-	-	-
Electronic components and accessories	39.9	39.8	39.7	39.3	39.8	-	1.9	1.8	1.6	1.9
Electron tubes	-	41.2	41.1	40.4	41.0	-	-	-	-	-
Electronic components, n.e.c.	-	39.4	39.3	38.9	39.4	-	-	-	-	-
Miscellaneous electrical equipment and supplies	39.6	39.8	40.7	39.9	39.9	-	2.0	2.6	1.6	1.8
Electrical equipment for engines	-	39.6	41.1	40.1	40.0	-	-	-	-	-
TRANSPORTATION EQUIPMENT	41.9	41.3	41.5	41.2	41.7	-	3.0	3.2	2.7	3.1
Motor vehicles and equipment	42.7	41.6	42.2	41.4	42.2	-	3.3	3.8	3.3	3.7
Motor vehicles	-	41.6	42.1	41.2	42.5	-	-	-	-	-
Passenger car bodies	-	39.5	41.8	42.1	43.1	-	-	-	-	-
Truck and bus bodies	-	40.6	40.7	41.5	41.3	-	-	-	-	-
Motor vehicle parts and accessories	-	42.2	42.6	41.5	41.9	-	-	-	-	-
Aircraft and parts	41.2	40.9	41.0	41.0	41.3	-	2.3	2.4	1.9	2.3
Aircraft	-	40.5	40.7	41.0	41.2	-	-	-	-	-
Aircraft engines and engine parts	-	40.7	40.8	40.8	41.1	-	-	-	-	-
Other aircraft parts and equipment	-	42.5	42.0	41.5	42.0	-	-	-	-	-
Ship and boat building and repairing	40.8	41.4	40.4	40.7	40.8	-	3.7	3.0	2.8	2.9
Ship building and repairing	-	41.6	40.4	40.7	40.9	-	-	-	-	-
Boat building and repairing	-	40.5	40.5	40.8	40.2	-	-	-	-	-
Railroad equipment	-	40.7	40.9	40.1	40.9	-	2.4	2.3	2.0	2.3
Other transportation equipment	-	40.7	40.5	40.7	40.3	-	2.7	2.4	2.7	2.8
INSTRUMENTS AND RELATED PRODUCTS	40.4	40.4	40.5	40.3	40.8	-	2.1	2.1	1.9	2.3
Engineering and scientific instruments	-	40.6	40.7	40.3	41.5	-	2.1	2.0	1.8	2.5
Mechanical measuring and control devices	40.6	40.6	40.5	40.2	40.6	-	2.3	2.3	1.9	2.1
Mechanical measuring devices	-	41.1	40.7	40.2	40.7	-	-	-	-	-
Automatic temperature controls	-	39.9	40.2	40.2	40.5	-	-	-	-	-
Optical and ophthalmic goods	41.2	41.2	41.5	41.9	42.0	-	2.2	2.2	2.1	2.5
Surgical, medical, and dental equipment	40.0	39.7	39.9	39.7	39.9	-	1.7	1.7	1.6	2.1
Photographic equipment and supplies	(2)	41.1	41.0	40.5	41.1	-	2.4	2.6	2.3	2.9
Watches and clocks	-	38.1	38.5	39.1	39.4	-	1.1	1.1	1.4	1.7
MISCELLANEOUS MANUFACTURING INDUSTRIES	39.4	39.6	39.5	39.0	39.6	-	2.2	2.2	1.9	2.2
Jewelry, silverware, and plated ware	40.3	40.2	39.8	39.6	40.0	-	3.0	2.7	2.4	2.7
Toys, amusement, and sporting goods	-	38.3	38.1	38.1	38.7	-	1.5	1.7	1.5	1.7
Toys, games, dolls, and play vehicles	-	37.0	37.2	37.8	38.8	-	-	-	-	-
Sporting and athletic goods, n.e.c.	-	40.2	39.3	38.6	38.7	-	-	-	-	-
Pens, pencils, office and art materials	-	39.5	39.6	39.6	39.7	-	1.4	1.6	1.4	1.8
Costume jewelry, buttons, and notions	-	40.1	40.2	38.9	39.7	-	2.4	2.8	2.0	2.3
Other manufacturing industries	39.8	40.2	39.9	39.4	40.0	-	2.4	2.3	2.0	2.5
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	40.3	40.0	40.2	40.0	40.4	-	3.1	3.2	2.9	3.1
Meat products	40.1	40.1	39.7	39.7	39.7	-	3.4	3.0	2.9	3.2
Meat packing	-	42.0	41.3	41.5	41.6	-	-	-	-	-
Sausages and other prepared meats	-	40.6	39.8	40.2	39.9	-	-	-	-	-
Poultry dressing and packing	-	34.7	35.4	35.1	34.7	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Nondurable Goods--Continued</i>										
FOOD AND KINDRED PRODUCTS--Continued										
Dairy products	\$101.22	\$100.74	\$101.46	\$97.02	\$97.48	\$2.41	\$2.41	\$2.41	\$2.31	\$2.31
Ice cream and frozen desserts	-	98.65	99.45	93.90	93.43	-	2.46	2.48	2.33	2.33
Fluid milk	-	104.83	105.83	101.94	102.43	-	2.49	2.49	2.41	2.41
Canned and preserved food, except meats	-	74.26	74.70	72.96	74.84	-	2.04	2.03	2.01	1.98
Canned, cured and frozen sea foods	-	63.50	59.06	62.70	68.76	-	1.93	1.84	1.90	1.91
Canned food, except sea foods	-	79.77	83.81	78.02	79.42	-	2.15	2.16	2.12	2.09
Frozen food, except sea foods	-	72.52	69.54	68.06	69.24	-	1.85	1.83	1.81	1.78
Grain mill products	105.90	104.06	104.59	99.49	101.99	2.44	2.42	2.41	2.33	2.35
Flour and other grain mill products	-	109.57	112.90	107.38	111.89	-	2.56	2.56	2.48	2.52
Prepared feeds for animals and fowls	-	89.56	90.61	85.70	87.16	-	2.04	2.05	1.97	1.99
Bakery products	94.80	94.56	94.64	92.00	91.37	2.37	2.37	2.36	2.30	2.29
Bread, cake, and perishable products	-	95.52	95.60	93.90	92.80	-	2.40	2.39	2.33	2.32
Biscuit, crackers, and pretzels	-	91.30	91.08	84.75	87.38	-	2.26	2.26	2.19	2.19
Sugar	-	101.53	94.92	105.18	104.75	-	2.61	2.44	2.61	2.50
Confectionery and related products	79.76	78.00	78.99	75.64	77.62	2.04	2.00	2.01	1.98	1.96
Candy and other confectionery products	-	72.96	74.30	71.63	73.68	-	1.90	1.91	1.89	1.87
Beverages	108.00	107.33	106.52	106.11	105.46	2.68	2.69	2.69	2.62	2.63
Malt liquors	-	136.22	136.28	134.80	135.14	-	3.44	3.45	3.37	3.37
Bottled and canned soft drinks	-	77.14	75.98	75.35	74.44	-	1.90	1.89	1.82	1.82
Miscellaneous food and kindred products	94.85	94.28	96.50	90.67	91.76	2.28	2.25	2.26	2.19	2.19
TOBACCO MANUFACTURES										
Cigarettes	79.17	75.60	68.84	68.71	73.11	2.03	2.00	1.95	1.98	1.96
Cigars	-	87.66	75.37	82.95	88.22	-	2.35	2.37	2.33	2.34
	-	65.67	66.50	53.72	58.56	-	1.65	1.65	1.58	1.57
TEXTILE MILL PRODUCTS										
Cotton broad woven fabrics	71.46	71.63	71.98	67.26	68.51	1.76	1.76	1.76	1.69	1.70
Silk and synthetic broad woven fabrics	71.28	72.21	73.08	66.50	66.33	1.73	1.74	1.74	1.65	1.65
Weaving and finishing broad woolsens	78.74	77.04	77.58	72.49	73.35	1.81	1.80	1.80	1.73	1.73
Narrow fabrics and smallwares	76.78	74.56	75.26	74.21	76.86	1.85	1.85	1.84	1.81	1.83
Knitting	71.96	71.91	72.57	69.26	69.77	1.79	1.78	1.77	1.71	1.71
Full-fashioned hosiery	65.11	64.68	64.34	59.94	61.07	1.70	1.68	1.68	1.62	1.62
Seamless hosiery	-	65.46	65.80	59.03	60.20	-	1.67	1.67	1.57	1.58
Knit outerwear	-	61.50	61.50	55.49	57.35	-	1.61	1.61	1.55	1.55
Knit underwear	-	66.20	65.14	62.02	63.98	-	1.77	1.77	1.69	1.72
Finishing textiles, except wool and knit	-	62.15	61.28	58.59	59.37	-	1.61	1.60	1.55	1.55
Floor covering	80.51	82.64	83.66	78.35	80.09	1.94	1.94	1.95	1.87	1.88
Yarn and thread	64.88	74.88	74.64	71.73	76.50	-	1.80	1.79	1.78	1.80
Miscellaneous textile goods	64.88	64.72	65.37	62.16	62.56	1.61	1.61	1.61	1.55	1.56
	81.81	81.60	80.99	78.76	79.73	2.01	2.00	1.99	1.94	1.94
APPAREL AND RELATED PRODUCTS										
Men's and boys' suits and coats	63.54	64.97	64.61	60.16	62.59	1.76	1.78	1.78	1.69	1.71
Men's and boys' furnishings	75.33	75.87	76.08	70.76	73.48	2.11	2.09	2.09	1.96	1.97
Men's and boys' shirts and nightwear	55.94	56.92	56.24	52.43	53.28	1.52	1.53	1.52	1.43	1.44
Men's and boys' separate trousers	-	54.90	54.90	52.03	52.73	-	1.50	1.50	1.41	1.41
Work clothing	-	57.75	57.75	53.71	54.38	-	1.54	1.54	1.44	1.45
Women's, misses', and juniors' outerwear	-	55.80	55.06	51.29	51.29	-	1.48	1.48	1.39	1.39
Women's blouses, waists, and shirts	67.55	69.38	68.60	64.67	68.35	1.93	1.96	1.96	1.88	1.92
Women's, misses', and juniors' dresses	-	58.10	56.93	54.67	58.04	-	1.66	1.65	1.58	1.59
Women's suits, skirts, and coats	-	69.95	67.72	66.98	67.32	-	2.01	1.98	1.97	1.94
Women's and misses' outerwear, n.e.c.	-	80.62	84.01	70.63	80.85	-	2.33	2.38	2.18	2.33
Women's and children's undergarments	-	64.22	61.59	60.26	62.92	-	1.69	1.66	1.62	1.63
Women's and children's underwear	59.04	59.13	58.00	53.86	56.52	1.64	1.62	1.62	1.53	1.54
Corsets and allied garments	-	56.89	56.11	51.01	54.32	-	1.55	1.55	1.47	1.48
Hats, caps, and millinery	-	63.72	61.78	60.26	60.96	-	1.77	1.76	1.66	1.67
Girls' and children's outerwear	-	73.89	75.22	60.16	69.38	-	1.96	1.99	1.78	1.87
Children's dresses, blouses, and shirts	57.80	58.08	59.73	52.44	55.54	1.61	1.60	1.61	1.52	1.53
Fur goods and miscellaneous apparel	-	57.16	58.88	52.39	54.62	-	1.61	1.60	1.55	1.53
Miscellaneous fabricated textile products	-	66.80	64.80	58.47	62.83	-	1.83	1.79	1.69	1.76
Housefurnishings	67.28	68.20	67.66	64.90	65.02	1.78	1.79	1.79	1.74	1.72
	-	60.80	60.42	55.90	57.60	-	1.60	1.59	1.54	1.54
PAPER AND ALLIED PRODUCTS										
Paper and pulp	106.77	106.60	107.10	102.24	104.13	2.53	2.52	2.52	2.44	2.45
Paperboard	119.03	118.86	119.41	114.23	116.42	2.73	2.72	2.72	2.62	2.64
Converted paper and paperboard products	121.00	121.83	122.27	115.01	117.40	2.75	2.75	2.76	2.65	2.65
Bags, except textile bags	94.48	94.94	94.99	90.09	91.43	2.31	2.31	2.30	2.23	2.23
Paperboard containers and boxes	-	87.70	86.46	84.82	86.71	-	2.16	2.14	2.11	2.12
Folding and setup paperboard boxes	97.00	96.12	96.59	92.75	94.30	2.36	2.35	2.35	2.29	2.30
Corrugated and solid fiber boxes	-	87.64	86.83	83.79	85.24	-	2.18	2.16	2.10	2.11
	-	102.92	103.83	100.85	101.09	-	2.48	2.49	2.43	2.43

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
HOURS AND EARNINGSTable C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Nondurable Goods--Continued</i>										
FOOD AND KINDRED PRODUCTS--Continued										
Dairy products	42.0	41.8	42.1	42.0	42.2	-	3.2	3.3	3.2	3.2
Ice cream and frozen desserts	-	40.1	40.1	40.3	40.1	-	-	-	-	-
Fluid milk	-	42.1	42.5	42.3	42.5	-	-	-	-	-
Canned and preserved food, except meats	-	36.4	36.8	36.3	37.8	-	1.7	2.3	1.9	2.3
Canned, cured and frozen sea foods	-	32.9	32.1	33.0	36.0	-	-	-	-	-
Canned food, except sea foods	-	37.1	38.8	36.8	38.0	-	-	-	-	-
Frozen food, except sea foods	-	39.2	38.0	37.6	38.9	-	-	-	-	-
Grain mill products	43.4	43.0	43.4	42.7	43.4	-	4.9	5.3	4.7	5.4
Flour and other grain mill products	-	42.8	44.1	43.3	44.4	-	-	-	-	-
Prepared feeds for animals and fowls	-	43.9	44.2	43.5	43.8	-	-	-	-	-
Bakery products	40.0	39.9	40.1	40.0	39.9	-	3.0	3.1	2.9	2.8
Bread, cake, and perishable products	-	39.8	40.0	40.3	40.0	-	-	-	-	-
Biscuit, crackers, and pretzels	-	40.4	40.3	38.7	39.9	-	-	-	-	-
Sugar	-	38.9	38.9	40.3	41.9	-	2.6	3.0	3.9	3.3
Confectionery and related products	39.1	39.0	39.3	38.2	39.6	-	1.9	2.3	1.7	2.3
Candy and other confectionery products	-	38.4	38.9	37.9	39.4	-	-	-	-	-
Beverages	40.3	39.9	39.6	40.5	40.1	-	2.8	2.8	2.9	2.8
Malt liquors	-	39.6	39.5	40.0	40.1	-	-	-	-	-
Bottled and canned soft drinks	-	40.6	40.2	41.4	40.9	-	-	-	-	-
Miscellaneous food and kindred products	41.6	41.9	42.7	41.4	41.9	-	3.8	4.3	3.4	3.6
TOBACCO MANUFACTURES	39.0	37.8	35.3	34.7	37.3	-	1.3	1.2	.3	.8
Cigarettes	-	37.3	31.8	35.6	37.7	-	.5	.7	.4	1.0
Cigars	-	39.8	40.3	34.0	37.3	-	2.6	2.1	.1	.8
TEXTILE MILL PRODUCTS	40.6	40.7	40.9	39.8	40.3	-	3.2	3.3	2.8	3.1
Cotton broad woven fabrics	41.2	41.5	42.0	40.3	40.2	-	3.6	4.0	3.0	3.0
Silk and synthetic broad woven fabrics	43.5	42.8	43.1	41.9	42.4	-	4.5	4.6	3.7	3.9
Weaving and finishing broad woolsens	41.5	40.3	40.9	41.0	42.0	-	2.7	2.8	3.0	3.6
Narrow fabrics and smallwares	40.2	40.4	41.0	40.5	40.8	-	3.2	2.9	2.9	3.0
Knitting	38.3	38.5	38.3	37.0	37.7	-	1.9	1.8	1.6	1.8
Full-fashioned hosiery	-	39.2	39.4	37.6	38.1	-	-	-	-	-
Seamless hosiery	-	38.2	38.2	35.8	37.0	-	-	-	-	-
Knit outerwear	-	37.4	36.8	36.7	37.2	-	-	-	-	-
Knit underwear	-	38.6	38.3	37.8	38.3	-	-	-	-	-
Finishing textiles, except wool and knit	41.5	42.6	42.9	41.9	42.6	-	4.3	4.4	3.8	4.6
Floor covering	-	41.6	41.7	40.3	42.5	-	3.8	3.8	3.6	4.8
Yarn and thread	40.3	40.2	40.6	40.1	40.1	-	3.0	3.1	2.9	3.1
Miscellaneous textile goods	40.7	40.8	40.7	40.6	41.1	-	3.0	3.0	2.8	3.3
APPAREL AND RELATED PRODUCTS	36.1	36.5	36.3	35.6	36.6	-	1.3	1.3	1.1	1.4
Men's and boys' suits and coats	35.7	36.3	36.4	36.1	37.3	-	1.1	1.1	.9	1.3
Men's and boys' furnishings	36.8	37.2	37.0	36.7	37.0	-	1.0	.9	.9	1.1
Men's and boys' shirts and nightwear	-	36.6	36.6	36.9	37.4	-	-	-	-	-
Men's and boys' separate trousers	-	37.5	37.5	37.3	37.5	-	-	-	-	-
Work clothing	-	37.7	37.2	36.9	36.9	-	-	-	-	-
Women's, misses', and juniors' outerwear	35.0	35.4	35.0	34.4	35.6	-	1.6	1.5	1.4	1.8
Women's blouses, waists, and shirts	-	35.0	34.5	34.6	36.5	-	-	-	-	-
Women's, misses', and juniors' dresses	-	34.8	34.2	34.0	34.7	-	-	-	-	-
Women's suits, skirts, and coats	-	34.6	35.3	32.4	34.7	-	-	-	-	-
Women's and misses' outerwear, n.e.c.	-	38.0	37.1	37.2	38.6	-	-	-	-	-
Women's and children's undergarments	36.0	36.5	35.8	35.2	36.7	-	1.3	1.2	1.0	1.4
Women's and children's underwear	-	36.7	36.2	34.7	36.7	-	-	-	-	-
Corsets and allied garments	-	36.0	35.1	36.3	36.5	-	-	-	-	-
Hats, caps, and millinery	-	37.7	37.8	33.8	37.1	-	2.1	2.2	1.0	2.0
Girls' and children's outerwear	35.9	36.3	37.1	34.5	36.3	-	1.3	1.5	.7	1.2
Children's dresses, blouses, and shirts	-	35.5	36.8	33.8	35.7	-	-	-	-	-
Fur goods and miscellaneous apparel	-	36.5	36.2	34.6	35.7	-	1.1	1.0	.7	.9
Miscellaneous fabricated textile products	37.8	38.1	37.8	37.3	37.8	-	1.5	1.3	1.5	1.5
Housefurnishings	-	38.0	38.0	36.3	37.4	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	42.2	42.3	42.5	41.9	42.5	-	4.3	4.3	3.8	4.3
Paper and pulp	43.6	43.7	43.9	43.6	44.1	-	5.4	5.5	4.8	5.4
Paperboard	44.0	44.3	44.3	43.4	44.3	-	5.9	5.8	5.0	5.9
Converted paper and paperboard products	40.9	41.1	41.3	40.4	41.0	-	3.0	3.0	2.6	2.9
Bags, except textile bags	-	40.6	40.4	40.2	40.9	-	-	-	-	-
Paperboard containers and boxes	41.1	40.9	41.1	40.5	41.0	-	3.4	3.3	3.1	3.3
Folding and setup paperboard boxes	-	40.2	40.2	39.9	40.4	-	-	-	-	-
Corrugated and solid fiber boxes	-	41.5	41.7	41.5	41.6	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Nondurable Goods--Continued</i>										
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	\$113.58	\$113.58	\$111.93	\$108.97	\$110.21	\$2.95	\$2.95	\$2.93	\$2.86	\$2.87
Newspaper publishing and printing	115.75	113.98	113.04	111.19	109.74	3.18	3.14	3.14	3.08	3.04
Periodical publishing and printing	-	119.50	118.01	113.58	116.18	-	3.01	2.98	2.89	2.89
Books	-	105.93	104.90	103.28	103.57	-	2.59	2.59	2.55	2.57
Commercial printing	115.35	116.03	114.07	110.58	113.18	2.95	2.96	2.94	2.85	2.88
Commercial printing, except lithographic	-	113.59	111.27	108.47	109.98	-	2.92	2.89	2.81	2.82
Commercial printing, lithographic	-	122.40	121.18	116.82	120.90	-	3.06	3.06	2.95	3.00
Bookbinding and related industries	90.78	89.86	88.32	87.17	88.01	2.31	2.31	2.30	2.27	2.28
Other publishing and printing industries	117.56	117.95	117.18	111.81	115.71	3.03	3.04	3.02	2.95	2.99
CHEMICALS AND ALLIED PRODUCTS	114.13	114.40	113.99	113.40	111.37	2.75	2.75	2.76	2.70	2.69
Industrial chemicals	129.17	129.17	128.75	130.82	126.46	3.12	3.12	3.11	3.10	3.04
Plastics and synthetics, except glass	114.39	114.66	113.42	113.55	110.27	2.73	2.73	2.72	2.71	2.67
Plastics and synthetics, except fibers	-	123.68	122.25	122.40	118.58	-	2.91	2.89	2.88	2.83
Synthetic fibers	-	104.50	103.50	102.67	99.96	-	2.50	2.50	2.48	2.45
Drugs	102.26	102.06	102.11	98.98	100.70	2.55	2.52	2.54	2.45	2.45
Pharmaceutical preparations	-	97.02	97.07	93.85	96.08	-	2.45	2.47	2.37	2.39
Soap, cleaners, and toilet goods	105.73	106.39	106.66	103.83	104.49	2.63	2.64	2.64	2.57	2.58
Soap and detergents	-	127.51	128.34	123.62	125.36	-	3.11	3.10	3.03	3.05
Toilet preparations	-	85.91	85.09	85.17	84.99	-	2.22	2.21	2.14	2.13
Paints, varnishes, and allied products	108.73	108.21	107.01	103.48	103.38	2.62	2.62	2.61	2.53	2.54
Agricultural chemicals	94.79	97.18	95.05	99.70	91.08	2.13	2.15	2.19	2.06	2.07
Fertilizers, complete and mixing only	-	93.94	92.00	97.61	87.52	-	2.06	2.11	1.98	1.98
Other chemical products	109.71	110.12	110.39	105.37	104.45	2.65	2.66	2.66	2.57	2.56
PETROLEUM REFINING AND RELATED INDUSTRIES	132.70	131.56	132.07	133.77	128.61	3.19	3.17	3.19	3.17	3.16
Petroleum refining	138.69	137.53	137.94	140.95	134.97	3.35	3.33	3.34	3.34	3.30
Other petroleum and coal products	107.87	106.77	105.75	104.83	99.10	2.55	2.53	2.53	2.49	2.49
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	101.75	101.50	101.09	98.25	100.12	2.50	2.50	2.49	2.45	2.46
Tires and inner tubes	132.59	131.13	127.79	126.88	129.36	3.29	3.27	3.26	3.18	3.21
Other rubber products	97.28	97.53	98.25	94.40	96.22	2.42	2.42	2.42	2.36	2.37
Miscellaneous plastic products	89.86	88.58	88.80	85.24	87.13	2.16	2.15	2.15	2.11	2.12
LEATHER AND LEATHER PRODUCTS	65.88	68.24	68.76	62.13	64.58	1.82	1.81	1.80	1.75	1.75
Leather tanning and finishing	93.15	91.83	90.97	89.38	88.58	2.30	2.29	2.28	2.24	2.22
Foot wear, except rubber	62.66	65.82	66.50	59.33	61.88	1.77	1.76	1.75	1.70	1.70
Other leather products	64.03	66.15	66.85	60.52	63.04	1.74	1.75	1.75	1.70	1.69
TRANSPORTATION AND PUBLIC UTILITIES:										
RAILROAD TRANSPORTATION:										
Class I railroads	-	(2)	(2)	118.25	114.96	-	(2)	(2)	2.75	2.77
LOCAL AND INTERURBAN PASSENGER TRANSIT:										
Local and suburban transportation	-	98.49	101.68	100.38	99.72	-	2.42	2.45	2.39	2.38
Intercity and rural bus lines	-	121.76	123.65	123.12	118.29	-	2.92	2.93	2.87	2.83
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	119.89	118.49	115.36	114.95	-	2.91	2.89	2.80	2.79
PIPELINE TRANSPORTATION	-	141.58	141.75	138.45	135.94	-	3.47	3.50	3.41	3.39
COMMUNICATION:										
Telephone communication	-	103.48	102.56	99.94	100.58	-	2.60	2.59	2.53	2.54
Switchboard operating employees ³	-	77.17	77.53	76.18	75.76	-	2.12	2.13	2.07	2.07
Line construction employees ⁴	-	148.40	145.86	138.67	140.60	-	3.32	3.30	3.21	3.21
Telegraph communication ⁵	-	113.28	113.13	108.16	107.38	-	2.71	2.70	2.60	2.60
Radio and television broadcasting	-	137.28	136.42	135.04	131.99	-	3.52	3.48	3.41	3.35
ELECTRIC, GAS, AND SANITARY SERVICES	-	123.71	123.00	119.31	119.02	-	3.01	3.00	2.91	2.91
Electric companies and systems	-	125.97	124.94	120.42	120.13	-	3.05	3.04	2.93	2.93
Gas companies and systems	-	114.49	114.77	111.24	112.07	-	2.82	2.82	2.74	2.74
Combined utility systems	-	133.90	133.25	129.05	128.43	-	3.25	3.25	3.14	3.14
Water, steam, and sanitary systems	-	98.57	98.98	96.70	96.93	-	2.41	2.42	2.37	2.37

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
HOURS AND EARNINGSTable C-2: Gross hours and earnings of production workers,¹ by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
<i>Nondurable Goods--Continued</i>										
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	38.5	38.5	38.2	38.1	38.4	-	2.9	2.5	2.4	2.8
Newspaper publishing and printing	36.4	36.3	36.0	36.1	36.1	-	2.2	2.0	2.0	2.0
Periodical publishing and printing	-	39.7	39.6	39.3	40.2	-	4.0	3.6	3.0	4.0
Books	-	40.9	40.5	40.5	40.3	-	3.6	3.2	3.1	3.6
Commercial printing	39.1	39.2	38.8	38.8	39.3	-	3.2	2.7	2.7	3.2
Commercial printing, except lithographic	-	38.9	38.5	38.6	39.0	-	-	-	-	-
Commercial printing, lithographic	-	40.0	39.6	39.6	40.3	-	-	-	-	-
Bookbinding and related industries	39.3	38.9	38.4	38.4	38.6	-	2.5	2.1	2.1	2.2
Other publishing and printing industries	38.8	38.8	38.8	37.9	38.7	-	2.5	2.5	1.9	2.5
CHEMICALS AND ALLIED PRODUCTS	41.5	41.6	41.3	42.0	41.4	-	2.7	2.4	3.1	2.5
Industrial chemicals	41.4	41.4	41.4	42.2	41.6	-	2.4	2.4	2.8	2.3
Plastics and synthetics, except glass	41.9	42.0	41.7	41.9	41.3	-	2.4	2.2	2.6	2.0
Plastics and synthetics, except fibers	-	42.5	42.3	42.5	41.9	-	-	-	-	-
Synthetic fibers	-	41.8	41.4	41.4	40.8	-	-	-	-	-
Drugs	40.1	40.5	40.2	40.4	41.1	-	2.2	2.1	2.0	2.6
Pharmaceutical preparations	-	39.6	39.3	39.6	40.2	-	-	-	-	-
Soap, cleaners, and toilet goods	40.2	40.3	40.4	40.4	40.5	-	2.1	2.2	2.2	2.4
Soap and detergents	-	41.0	41.4	40.8	41.1	-	-	-	-	-
Toilet preparations	-	38.7	38.5	39.8	39.9	-	-	-	-	-
Paints, varnishes, and allied products	41.5	41.3	41.0	40.9	40.7	-	2.3	2.2	2.0	2.0
Agricultural chemicals	44.5	45.2	43.4	48.4	44.0	-	6.6	4.3	9.6	5.6
Fertilizers, complete and mixing only	-	45.6	43.6	49.3	44.2	-	-	-	-	-
Other chemical products	41.4	41.4	41.5	41.0	40.8	-	2.7	2.6	2.2	2.4
PETROLEUM REFINING AND RELATED INDUSTRIES	41.6	41.5	41.4	42.2	40.7	-	2.0	2.0	2.5	1.7
Petroleum refining	41.4	41.3	41.3	42.2	40.9	-	1.6	1.6	2.1	1.5
Other petroleum and coal products	42.3	42.2	41.8	42.1	39.8	-	3.8	3.6	4.0	2.5
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	40.7	40.6	40.6	40.1	40.7	-	2.7	2.6	2.4	2.9
Tires and inner tubes	40.3	40.1	39.2	39.9	40.3	-	2.4	2.0	2.3	2.8
Other rubber products	40.2	40.3	40.6	40.0	40.6	-	2.2	2.4	2.2	2.5
Miscellaneous plastic products	41.6	41.2	41.3	40.4	41.1	-	3.3	3.1	2.5	3.4
LEATHER AND LEATHER PRODUCTS	36.2	37.7	38.2	35.5	36.9	-	1.5	1.8	.9	1.3
Leather tanning and finishing	40.5	40.1	39.9	39.9	39.9	-	2.3	2.6	2.4	2.4
Foot wear, except rubber	35.4	37.4	38.0	34.9	36.4	-	1.4	1.6	.7	1.2
Other leather products	36.8	37.8	38.2	35.6	37.3	-	1.6	1.9	.9	1.4
TRANSPORTATION AND PUBLIC UTILITIES:										
RAILROAD TRANSPORTATION:										
Class I railroads, *	-	(2)	(2)	43.0	41.5	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT:										
Local and suburban transportation	-	40.7	41.5	42.0	41.9	-	-	-	-	-
Intercity and rural bus lines	-	41.7	42.2	42.9	41.8	-	-	-	-	-
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	41.2	41.0	41.2	41.2	-	-	-	-	-
PIPELINE TRANSPORTATION	-	40.8	40.5	40.6	40.1	-	-	-	-	-
COMMUNICATION:										
Telephone communication	-	39.8	39.6	39.5	39.6	-	-	-	-	-
Switchboard operating employees ³	-	36.4	36.4	36.8	36.6	-	-	-	-	-
Line construction employees ⁴	-	44.7	44.2	43.2	43.8	-	-	-	-	-
Telegraph communication ⁵	-	41.8	41.9	41.6	41.3	-	-	-	-	-
Radio and television broadcasting	-	39.0	39.2	39.6	39.4	-	-	-	-	-
ELECTRIC, GAS, AND SANITARY SERVICES	-	41.1	41.0	41.0	40.9	-	-	-	-	-
Electric companies and systems	-	41.3	41.1	41.1	41.0	-	-	-	-	-
Gas companies and systems	-	40.6	40.7	40.6	40.9	-	-	-	-	-
Combined utility systems	-	41.2	41.0	41.1	40.9	-	-	-	-	-
Water, steam, and sanitary systems	-	40.9	40.9	40.8	40.9	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-2: Gross hours and earnings of production workers¹ by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
WHOLESALE AND RETAIL TRADE⁶	-	\$78.11	\$78.69	\$76.62	\$76.42	-	\$2.05	\$2.06	\$1.99	\$1.99
WHOLESALE TRADE	-	101.00	100.75	98.58	98.58	-	2.50	2.50	2.44	2.44
Motor vehicles and automotive equipment	-	95.91	95.26	94.24	93.15	-	2.30	2.29	2.26	2.25
Drugs, chemicals, and allied products	-	102.80	102.94	99.50	99.75	-	2.57	2.58	2.50	2.50
Dry goods and apparel	-	95.13	93.37	92.38	91.48	-	2.51	2.47	2.47	2.42
Groceries and related products	-	94.94	94.71	92.51	91.65	-	2.31	2.31	2.24	2.23
Electrical goods	-	107.59	107.33	101.71	102.21	-	2.65	2.67	2.53	2.53
Hardware, plumbing, and heating goods	-	96.63	96.15	95.00	93.96	-	2.38	2.38	2.34	2.32
Machinery, equipment, and supplies	-	108.26	108.95	107.16	107.16	-	2.66	2.69	2.62	2.62
RETAIL TRADE⁶	-	68.26	68.82	67.48	66.75	-	1.84	1.85	1.79	1.78
General merchandise stores	-	55.26	55.26	53.28	53.01	-	1.63	1.63	1.54	1.55
Department stores	-	59.79	60.30	57.80	57.12	-	1.79	1.80	1.69	1.69
Limited price variety stores	-	40.38	40.12	39.48	39.36	-	1.29	1.29	1.20	1.23
Food stores	-	66.30	66.69	65.26	65.24	-	1.95	1.95	1.87	1.88
Grocery, meat, and vegetable stores	-	67.86	67.72	66.66	66.47	-	1.99	1.98	1.91	1.91
Apparel and accessories stores	-	53.12	54.58	55.36	53.35	-	1.60	1.61	1.60	1.56
Men's and boys' apparel stores	-	65.34	67.16	66.39	64.40	-	1.81	1.85	1.78	1.75
Women's ready-to-wear stores	-	48.47	48.29	49.13	47.52	-	1.46	1.45	1.42	1.41
Family clothing stores	-	53.42	54.06	54.01	52.10	-	1.59	1.59	1.53	1.51
Shoe stores	-	50.80	54.77	58.35	55.26	-	1.66	1.68	1.79	1.69
Furniture and appliance stores	-	83.41	83.42	80.60	80.79	-	2.08	2.07	1.99	1.99
Other retail trade	-	78.72	78.31	77.64	76.63	-	1.92	1.91	1.88	1.86
Motor vehicle dealers	-	97.24	95.48	97.45	94.18	-	2.22	2.19	2.23	2.16
Other vehicle and accessory dealers	-	83.47	83.03	81.22	80.85	-	1.91	1.90	1.85	1.85
Drug stores	-	59.62	60.12	58.44	58.08	-	1.67	1.67	1.61	1.60
FINANCE, INSURANCE, AND REAL ESTATE:	-					-				
Banking	-	76.50	77.08	74.23	74.23	-	2.04	2.05	1.99	1.99
Security dealers and exchanges	-	(2)	(2)	119.06	116.34	-	-	-	-	-
Insurance carriers	-	(2)	(2)	95.44	95.71	-	-	-	-	-
Life insurance	-	(2)	(2)	100.23	100.83	-	-	-	-	-
Accident and health insurance	-	(2)	(2)	81.36	81.18	-	-	-	-	-
Fire, marine, and casualty insurance	-	(2)	(2)	91.80	91.70	-	-	-	-	-
SERVICES AND MISCELLANEOUS:	-					-				
Hotels and lodging places:	-					-				
Hotels, tourist courts, and motels ⁷	-	48.09	47.70	46.08	46.85	-	1.23	1.22	1.20	1.22
Personal services:	-					-				
Laundries, cleaning and dyeing plants	-	54.81	54.00	52.40	50.95	-	1.42	1.41	1.33	1.32
Motion pictures:	-					-				
Motion picture filming and distributing	-	131.52	128.93	124.33	123.98	-	-	-	-	-

See footnotes at end of table. NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
HOURS AND EARNINGSTable C-2: Gross hours and earnings of production workers¹ by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
WHOLESALE AND RETAIL TRADE⁶	-	38.1	38.2	38.5	38.4	-	-	-	-	-
WHOLESALE TRADE	-	40.4	40.3	40.4	40.4	-	-	-	-	-
Motor vehicles and automotive equipment	-	41.7	41.6	41.7	41.4	-	-	-	-	-
Drugs, chemicals, and allied products	-	40.0	39.9	39.8	39.9	-	-	-	-	-
Dry goods and apparel	-	37.9	37.8	37.4	37.8	-	-	-	-	-
Groceries and related products	-	41.1	41.0	41.3	41.1	-	-	-	-	-
Electrical goods	-	40.6	40.2	40.2	40.4	-	-	-	-	-
Hardware, plumbing, and heating goods	-	40.6	40.4	40.6	40.5	-	-	-	-	-
Machinery, equipment, and supplies	-	40.7	40.5	40.9	40.9	-	-	-	-	-
RETAIL TRADE⁶	-	37.1	37.2	37.7	37.5	-	-	-	-	-
General merchandise stores	-	33.9	33.9	34.6	34.2	-	-	-	-	-
Department stores	-	33.4	33.5	34.2	33.8	-	-	-	-	-
Limited price variety stores	-	31.3	31.1	32.9	32.0	-	-	-	-	-
Food stores	-	34.0	34.2	34.9	34.7	-	-	-	-	-
Grocery, meat, and vegetable stores	-	34.1	34.2	34.9	34.8	-	-	-	-	-
Apparel and accessories stores	-	33.2	33.9	34.6	34.2	-	-	-	-	-
Men's and boys' apparel stores	-	36.1	36.3	37.3	36.8	-	-	-	-	-
Women's ready-to-wear stores	-	33.2	33.3	34.6	33.7	-	-	-	-	-
Family clothing stores	-	33.6	34.0	35.3	34.5	-	-	-	-	-
Shoe stores	-	30.6	32.6	32.6	32.7	-	-	-	-	-
Furniture and appliance stores	-	40.1	40.3	40.5	40.6	-	-	-	-	-
Other retail trade	-	41.0	41.0	41.3	41.2	-	-	-	-	-
Motor vehicle dealers	-	43.8	43.6	43.7	43.6	-	-	-	-	-
Other vehicle and accessory dealers	-	43.7	43.7	43.9	43.7	-	-	-	-	-
Drug stores	-	35.7	36.0	36.3	36.3	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE:										
Banking	-	37.5	37.6	37.3	37.3	-	-	-	-	-
Security dealers and exchanges	-	-	-	-	-	-	-	-	-	-
Insurance carriers	-	-	-	-	-	-	-	-	-	-
Life insurance	-	-	-	-	-	-	-	-	-	-
Accident and health insurance	-	-	-	-	-	-	-	-	-	-
Fire, marine, and casualty insurance	-	-	-	-	-	-	-	-	-	-
SERVICES AND MISCELLANEOUS:										
Hotels and lodging places:										
Hotels, tourist courts, and motels ⁷	-	39.1	39.1	38.4	38.4	-	-	-	-	-
Personal services:										
Laundries, cleaning and dyeing plants **	-	38.6	38.3	39.4	38.6	-	-	-	-	-
Motion pictures:										
Motion picture filming and distributing	-	-	-	-	-	-	-	-	-	-

¹ For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; and for all other industries, to nonsupervisory workers.

² Not available.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1960, such employees made up 35 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ 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 1960, such employees made up 30 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Data exclude eating and drinking places.

⁷ Money payments only; additional value of board, room, uniforms, and tips, not included.

* Class I Railroads - October 1963: \$120.01, \$2.74, and 43.8; November 1963: \$118.71, \$2.78, and 42.7; and December 1963: \$119.54, \$2.78, and 43.0.

** Beginning January 1964, data relate to nonsupervisory workers and are not comparable with the production worker levels of prior years. Data for January 1964, previously not available: \$53.58, \$1.41, and 38.0 hours.

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

Table C-3: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
MANUFACTURING	\$2.44	\$2.43	\$2.42	\$2.37	\$2.36
DURABLE GOODS	2.60	2.60	2.59	2.54	2.53
Ordnance and accessories	-	2.92	2.91	2.80	2.82
Lumber and wood products, except furniture	-	1.98	2.00	1.91	1.90
Furniture and fixtures	-	1.96	1.96	1.91	1.91
Stone, clay, and glass products	-	2.40	2.41	2.36	2.36
Primary metal industries	-	2.98	2.97	2.98	2.93
Fabricated metal products	-	2.57	2.57	2.51	2.50
Machinery	-	2.74	2.73	2.67	2.66
Electrical equipment and supplies	-	2.45	2.45	2.40	2.39
Transportation equipment	-	2.95	2.95	2.86	2.86
Instruments and related products	-	2.45	2.44	2.41	2.41
Miscellaneous manufacturing industries	-	2.03	2.03	1.98	1.97
NONDURABLE GOODS	2.21	2.20	2.19	2.14	2.13
Food and kindred products	-	2.30	2.29	2.23	2.22
Tobacco manufactures	-	1.96	1.92	1.97	1.94
Textile mill products	-	1.69	1.69	1.64	1.64
Apparel and related products	-	1.75	1.75	1.66	1.68
Paper and allied products	-	2.40	2.40	2.34	2.33
Printing, publishing, and allied industries	-	(2)	(2)	(2)	(2)
Chemicals and allied products	-	2.67	2.68	2.60	2.61
Petroleum refining and related industries	-	3.10	3.11	3.08	3.09
Rubber and miscellaneous plastic products	-	2.42	2.41	2.38	2.38
Leather and leather products	-	1.77	1.76	1.73	1.72

¹Derived by assuming that overtime hours are paid at the rate of time and one-half.

²Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

NOTE: Data for the 2 most recent months are preliminary.

Table C-4: Gross and spendable average weekly earnings in selected industries, in current and 1957-59 dollars¹

Industry	Gross average weekly earnings			Spendable average weekly earnings					
	Mar. 1964	Feb. 1964	Mar. 1963	Worker with no dependents			Worker with three dependents		
				Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
MINING:									
Current dollars	\$113.16	\$115.09	\$110.97	\$92.44	\$93.96	\$88.50	\$100.59	\$102.18	\$96.88
1957-59 dollars	105.07	106.96	104.49	85.83	87.32	83.33	93.40	94.96	91.22
CONTRACT CONSTRUCTION:									
Current dollars	128.12	127.09	122.72	104.23	103.42	97.50	113.09	112.23	105.51
1957-59 dollars	118.96	118.11	115.56	96.78	96.12	91.81	105.00	104.30	100.29
MANUFACTURING:									
Current dollars	101.40	101.15	98.09	83.16	82.97	78.63	90.89	90.68	86.31
1957-59 dollars	94.15	94.01	92.36	77.21	77.11	74.04	84.39	84.28	81.27
WHOLESALE AND RETAIL TRADE:²									
Current dollars	78.11	78.69	76.42	64.68	65.13	61.83	72.01	72.47	69.12
1957-59 dollars	72.53	73.13	71.96	60.06	60.53	58.22	66.86	67.35	65.08

¹For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; for wholesale and retail trade, to nonsupervisory workers.

²Data exclude eating and drinking places.

NOTE: Data for the current month are preliminary. New 1964 Federal income tax rates and updated Consumer Price Index introduced with January 1964 data. Series continuous with those previously published.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**
**Table C-5: Indexes of aggregate weekly man-hours and payrolls in industrial
and construction activities¹**

1957-59=100

Industry	Apr. 1964	Mar. 1964	Feb. 1964	Apr. 1963	Mar. 1963
	Man-hours				
TOTAL	100.7	98.9	97.8	98.0	95.8
MINING	79.5	77.1	77.9	81.3	77.4
CONTRACT CONSTRUCTION	100.5	91.3	87.0	97.4	83.3
MANUFACTURING	101.8	101.4	100.7	99.0	99.0
DURABLE GOODS	104.6	103.3	102.3	100.5	99.6
Ordnance and accessories	135.1	137.2	140.1	144.8	149.6
Lumber and wood products, except furniture ..	91.0	89.3	89.1	90.2	87.8
Furniture and fixtures	107.7	107.2	106.3	101.8	102.7
Stone, clay, and glass products	103.6	100.2	97.8	101.4	94.9
Primary metal industries	103.3	101.4	99.9	100.2	95.8
Fabricated metal products	106.0	104.9	104.2	99.8	98.9
Machinery	111.1	110.8	107.9	103.0	103.5
Electrical equipment and supplies	112.1	111.9	112.5	111.8	113.4
Transportation equipment	98.0	95.7	95.4	92.2	92.2
Instruments and related products	105.1	105.2	105.1	103.5	104.2
Miscellaneous manufacturing industries	100.5	99.9	98.2	97.2	97.2
NONDURABLE GOODS	98.2	99.0	98.6	97.0	98.3
Food and kindred products	85.0	84.0	84.6	85.5	86.4
Tobacco manufactures	78.5	80.9	79.5	70.9	78.3
Textile mill products	95.5	96.0	96.1	93.5	94.4
Apparel and related products	108.4	112.8	111.7	105.9	110.9
Paper and allied products	104.8	104.7	104.7	103.3	104.5
Printing, publishing, and allied industries	105.8	105.9	104.2	102.9	102.3
Chemicals and allied products	106.9	105.8	103.7	107.7	103.9
Petroleum refining and related industries	78.8	78.2	78.1	83.0	78.9
Rubber and miscellaneous plastic products	114.3	113.3	112.5	111.3	112.4
Leather and leather products	89.0	94.8	96.3	87.3	93.6
	Payrolls				
MINING	-	85.4	86.9	89.2	85.0
CONTRACT CONSTRUCTION		113.5	109.2	115.5	100.2
MANUFACTURING	121.4	120.4	119.4	114.4	114.1

¹For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

**Table C-6: Average weekly hours of production workers on payrolls of selected industries¹
seasonally adjusted**

Industry	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
MINING	41.7	41.5	42.0	41.6	41.5	41.4	41.8	41.8	41.5	40.9	42.2	41.9	41.6
CONTRACT CONSTRUCTION	37.2	37.6	37.4	35.6	36.6	36.9	37.6	37.3	37.2	37.3	37.6	37.5	37.5
MANUFACTURING	40.6	40.7	40.6	40.1	40.5	40.5	40.6	40.7	40.3	40.4	40.5	40.5	40.1
DURABLE	41.3	41.2	41.3	40.8	41.5	41.1	41.2	41.3	41.0	41.2	41.3	41.1	40.7
Ordnance and accessories	40.2	40.0	40.3	40.6	41.0	40.6	41.2	41.4	41.3	41.0	41.4	40.9	40.4
Lumber and wood products, except furniture ...	40.2	40.4	40.3	39.2	40.7	40.1	40.3	40.2	40.0	40.4	40.1	39.5	39.9
Furniture and fixtures	41.6	41.1	41.4	40.1	41.0	41.0	40.7	40.7	40.9	41.2	40.9	40.9	40.5
Stone, clay, and glass products	41.5	41.6	41.7	40.7	41.0	41.3	41.6	41.3	41.2	41.4	41.5	41.6	41.3
Primary metal industries	41.6	41.2	41.1	41.0	41.1	40.9	40.6	40.7	40.9	41.1	41.7	41.6	41.3
Fabricated metal products	41.7	41.7	41.8	41.3	41.8	41.5	41.6	41.4	41.1	41.2	41.2	41.4	40.9
Machinery	42.2	42.4	42.4	41.9	42.4	42.1	41.9	42.1	41.7	41.7	41.7	41.5	41.2
Electrical equipment and supplies	40.6	40.4	40.4	40.0	40.3	40.2	40.3	40.3	40.3	40.6	40.4	40.4	40.1
Transportation equipment	42.1	41.4	41.8	42.0	42.3	42.3	42.3	42.0	41.5	42.1	42.2	41.9	41.4
Instruments and related products	40.6	40.6	40.8	39.8	40.7	40.7	41.0	41.1	40.7	40.8	40.7	40.8	40.5
Miscellaneous manufacturing industries	39.6	39.6	39.8	38.8	39.5	39.4	39.7	39.8	39.8	39.7	39.5	39.6	39.2
NONDURABLE GOODS	39.7	39.9	39.9	39.1	39.6	39.5	39.8	39.7	39.6	39.5	39.6	39.7	39.3
Food and kindred products	41.0	40.7	41.0	40.7	41.0	40.9	41.0	40.9	41.0	40.8	41.0	40.8	40.7
Tobacco manufactures	40.0	39.7	36.5	37.6	38.2	39.2	38.1	37.2	39.9	39.4	39.7	39.0	35.6
Textile mill products	41.0	41.1	41.2	40.4	41.1	40.8	41.0	40.7	40.5	40.4	40.5	40.6	40.2
Apparel and related products	36.4	36.4	36.4	34.7	36.0	35.7	36.4	36.6	35.9	36.0	36.0	36.4	35.9
Paper and allied products	42.5	42.6	43.0	42.5	43.0	42.8	43.0	42.8	42.7	42.7	42.7	42.6	42.2
Printing, publishing, and allied industries	38.7	38.5	38.5	38.1	38.4	38.1	38.4	38.4	38.4	38.3	38.3	38.4	38.3
Chemicals and allied products	41.3	41.8	41.5	41.2	41.7	41.4	41.5	41.5	41.5	41.6	41.4	41.6	41.8
Petroleum refining and related industries	41.7	42.1	42.2	41.4	41.9	41.5	41.6	41.5	41.6	41.7	41.9	41.9	42.3
Rubber and miscellaneous plastic products	41.3	41.0	41.1	40.7	41.5	40.9	41.0	41.2	40.8	40.2	40.1	40.4	40.7
Leather and leather products	37.5	37.7	37.9	36.5	38.2	37.4	38.9	38.3	37.8	37.0	37.3	37.3	36.8
WHOLESALE AND RETAIL TRADE²	-	38.3	38.5	38.3	38.6	38.6	38.5	38.6	38.7	38.7	38.7	38.7	38.7
WHOLESALE TRADE	-	40.6	40.6	40.3	40.7	40.5	40.6	40.5	40.6	40.5	40.6	40.6	40.5
RETAIL TRADE²	-	37.4	37.5	37.3	37.8	37.7	37.8	37.7	37.8	37.9	37.9	37.8	37.9

¹For mining and manufacturing, data refer to production and related workers; for contract construction, to construction workers; and for wholesale and retail trade, to non-supervisory workers.

²Data exclude eating and drinking places.

NOTE: Data for the 2 most recent months are preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**
**Table C-7: Indexes of aggregate weekly man-hours in industrial and construction activities¹
seasonally adjusted**

1957-59=100

Industry	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963
TOTAL	103.5	103.5	103.4	100.1	102.2	101.2	102.3	101.9	101.2	101.8	101.9	101.8	100.8
MINING	81.0	80.4	81.4	80.9	81.6	81.0	81.6	82.1	81.7	82.3	83.9	83.5	83.1
CONTRACT CONSTRUCTION	107.4	110.5	111.5	99.5	105.4	104.5	106.7	106.2	105.9	105.7	105.9	104.7	104.0
MANUFACTURING	103.9	103.4	103.1	101.1	102.7	101.7	102.5	102.1	101.3	102.1	102.1	102.1	101.1
DURABLE GOODS	105.8	104.8	104.2	102.6	104.0	102.9	103.4	103.0	101.9	103.3	103.1	102.8	101.8
Ordnance and accessories	134.9	136.7	140.1	146.2	147.6	144.9	150.8	150.3	149.9	148.8	151.6	148.5	145.4
Lumber and wood products, except furniture ...	94.7	97.3	96.9	93.6	97.3	95.2	94.6	94.2	92.3	90.7	89.1	93.4	94.0
Furniture and fixtures	111.1	109.8	109.6	105.8	107.9	107.2	106.4	106.7	107.3	108.0	106.9	106.3	104.9
Stone, clay, and glass products	105.5	107.0	106.4	102.4	103.6	104.6	104.5	103.5	104.5	105.4	104.6	104.7	103.3
Primary metal industries	102.9	100.0	99.3	98.2	98.2	96.6	95.8	96.8	98.8	102.5	103.2	101.5	99.6
Fabricated metal products	108.4	107.7	106.9	104.6	106.2	104.7	105.5	105.0	103.7	104.0	103.6	103.5	102.1
Machinery	109.1	109.3	107.2	107.3	108.1	106.7	106.2	105.4	104.1	102.8	102.5	101.8	101.2
Electrical equipment and supplies	115.2	113.6	113.1	112.4	113.5	112.6	113.9	113.7	113.9	115.9	116.2	116.0	115.1
Transportation equipment	98.8	95.4	95.2	94.5	95.6	94.5	96.8	95.5	89.7	94.3	94.8	93.3	93.1
Instruments and related products	106.8	106.3	106.4	103.4	106.2	106.2	106.5	106.8	107.0	107.8	107.0	106.0	104.7
Miscellaneous manufacturing industries	103.8	104.1	104.7	100.5	102.9	103.0	102.8	104.0	104.3	102.8	100.7	101.9	100.2
NONDURABLE GOODS	101.4	101.6	101.6	99.1	101.0	100.1	101.4	100.8	100.5	100.6	100.7	101.3	100.1
Food and kindred products	92.2	92.6	93.7	93.0	93.8	93.0	94.1	92.6	93.3	92.7	93.4	93.6	92.8
Tobacco manufactures	93.9	94.4	85.7	86.0	93.2	98.0	89.5	82.8	96.1	90.1	90.8	91.6	84.7
Textile mill products	97.1	97.7	97.8	95.2	96.5	95.9	96.3	95.3	94.9	95.2	95.3	95.7	95.0
Apparel and related products	110.9	110.9	110.9	104.8	108.4	107.1	111.1	111.2	108.6	110.4	109.5	111.8	108.6
Paper and allied products	106.1	106.8	107.3	105.8	107.5	106.6	107.1	106.6	106.8	106.8	106.6	106.1	104.7
Printing, publishing, and allied industries	107.1	106.3	105.8	104.4	105.4	103.3	104.3	104.6	104.8	104.5	104.5	105.0	104.0
Chemicals and allied products	104.8	106.1	105.1	104.0	105.5	104.5	105.3	105.1	105.3	105.6	105.1	105.2	105.5
Petroleum refining and related industries	79.9	80.7	80.8	79.3	81.7	81.6	82.4	82.2	82.4	82.6	82.3	83.0	83.8
Rubber and miscellaneous plastic products	118.8	115.7	114.6	111.7	113.1	111.9	111.1	112.0	111.2	111.4	113.2	115.1	115.6
Leather and leather products	94.2	94.7	94.9	90.8	95.6	94.0	98.7	97.2	95.3	94.2	94.3	94.6	92.4

¹For mining and manufacturing, data refer to production and related workers; for contract construction, data relate to construction workers.

NOTE: Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
ALABAMA.....	\$86.03	\$86.05	\$82.95	40.2	40.4	39.5	\$2.14	\$2.13	\$2.10
Birmingham.....	110.16	111.38	110.43	40.5	40.8	40.6	2.72	2.73	2.72
Mobile.....	106.81	105.37	101.71	41.4	41.0	40.2	2.58	2.57	2.53
ARIZONA.....	108.68	107.47	105.85	40.4	40.1	40.4	2.69	2.68	2.62
Phoenix.....	109.48	109.34	107.45	40.4	40.2	40.7	2.71	2.72	2.64
Tucson.....	112.00	110.15	110.86	39.3	39.2	38.9	2.85	2.81	2.85
ARKANSAS.....	71.38	71.33	67.26	40.1	40.3	39.8	1.78	1.77	1.69
Fort Smith.....	73.16	72.25	68.56	40.2	39.7	39.4	1.82	1.82	1.74
Little Rock-North Little Rock.....	69.60	68.29	67.37	39.1	38.8	39.4	1.78	1.76	1.71
Pine Bluff.....	87.57	85.28	80.59	42.1	41.0	40.7	2.08	2.08	1.98
CALIFORNIA.....	116.91	116.91	114.40	39.9	39.9	40.0	2.93	2.93	2.86
Bakersfield.....	126.48	124.34	120.77	40.8	40.5	40.8	3.10	3.07	2.96
Fresno.....	95.63	95.12	93.37	37.5	37.3	37.8	2.55	2.55	2.47
Los Angeles-Long Beach.....	115.78	115.49	113.40	40.2	40.1	40.5	2.88	2.88	2.80
Sacramento.....	139.81	137.63	127.83	41.0	40.6	39.7	3.41	3.39	3.22
San Bernardino-Riverside-Ontario.....	119.60	118.20	113.48	41.1	40.9	40.1	2.91	2.89	2.83
San Diego.....	126.27	125.64	120.80	40.6	40.4	40.0	3.11	3.11	3.02
San Francisco-Oakland.....	124.26	123.24	121.13	39.2	39.0	39.2	3.17	3.16	3.09
San Jose.....	117.30	119.50	118.40	39.1	39.7	40.0	3.00	3.01	2.96
Stockton.....	117.38	116.32	111.22	40.2	39.7	39.3	2.92	2.93	2.83
COLORADO.....	112.33	109.62	107.87	40.7	40.6	40.4	2.76	2.70	2.67
Denver.....	113.42	111.10	108.68	40.8	40.4	40.4	2.78	2.75	2.69
CONNECTICUT.....	107.79	106.34	103.57	41.3	40.9	41.1	2.61	2.60	2.52
Bridgeport.....	110.27	109.74	107.74	41.3	41.1	41.6	2.67	2.67	2.59
Hartford.....	111.22	110.54	106.34	41.5	41.4	40.9	2.68	2.67	2.60
New Britain.....	108.32	107.27	100.90	41.5	41.1	40.2	2.61	2.61	2.51
New Haven.....	103.86	103.08	99.20	40.1	39.8	40.0	2.59	2.59	2.48
Stamford.....	115.78	115.50	111.38	42.1	42.0	40.8	2.75	2.75	2.73
Waterbury.....	106.30	105.88	103.32	41.2	41.2	41.0	2.58	2.57	2.52
DELAWARE.....	102.14	101.65	102.31	39.9	39.4	40.6	2.56	2.58	2.52
Wilmington.....	114.85	114.80	113.55	40.3	40.0	40.7	2.85	2.87	2.79
DISTRICT OF COLUMBIA:									
Washington.....	109.70	106.69	107.32	38.9	37.7	39.6	2.82	2.83	2.71
FLORIDA.....	86.94	85.91	83.83	41.6	41.5	41.5	2.09	2.07	2.02
Jacksonville.....	90.01	89.16	83.89	41.1	40.9	39.2	2.19	2.18	2.14
Miami.....	80.18	80.40	80.00	39.5	39.8	40.0	2.03	2.02	2.00
Tampa-St. Petersburg.....	86.10	85.49	85.08	42.0	41.5	41.5	2.05	2.06	2.05
GEORGIA.....	77.14	76.17	70.88	40.6	40.3	39.6	1.90	1.89	1.79
Atlanta.....	95.99	94.64	88.97	40.5	40.1	41.0	2.37	2.36	2.17
Savannah.....	98.77	98.36	93.20	41.5	41.5	40.7	2.38	2.37	2.29
HAWAII.....	(1)	79.42	75.14	(1)	36.6	36.3	(1)	2.17	2.07
IDAHO.....	(1)	94.01	88.76	(1)	39.5	39.1	(1)	2.38	2.27
ILLINOIS.....	112.18	110.82	107.52	40.9	40.6	40.4	2.74	2.73	2.66
Chicago.....	(1)	113.14	109.25	(1)	40.8	40.7	(1)	2.77	2.69
INDIANA.....	113.13	113.52	110.14	40.6	40.8	40.6	2.79	2.78	2.71
Indianapolis.....	(1)	113.77	111.03	(1)	40.9	41.1	(1)	2.78	2.70
IOWA.....	109.11	108.06	104.41	40.6	40.3	40.1	2.69	2.68	2.61
Des Moines.....	114.50	112.55	108.60	38.8	38.6	38.4	2.95	2.92	2.83
KANSAS.....	110.83	108.55	106.04	42.2	41.5	41.7	2.63	2.62	2.54
Topeka.....	113.16	106.24	111.73	42.5	40.3	42.1	2.66	2.64	2.65
Wichita.....	118.13	117.82	109.58	41.9	41.9	41.2	2.82	2.81	2.66

See footnotes at end of table.
NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
KENTUCKY.....	\$94.64	\$94.00	\$93.26	39.6	40.0	40.2	\$2.39	\$2.35	\$2.32
Louisville.....	109.27	108.67	109.06	39.7	39.9	40.9	2.75	2.73	2.67
LOUISIANA.....	103.42	100.69	100.38	41.7	40.6	42.0	2.48	2.48	2.39
Baton Rouge.....	129.05	127.71	125.55	41.9	41.6	41.3	3.08	3.07	3.04
New Orleans.....	105.78	103.06	102.16	41.0	40.1	40.7	2.58	2.57	2.51
Shreveport.....	97.16	96.93	92.92	42.8	42.7	40.4	2.27	2.27	2.30
MAINE.....	79.60	81.16	77.93	40.2	41.2	40.8	1.98	1.97	1.91
Lewiston-Auburn.....	65.22	66.43	67.55	37.7	38.4	38.6	1.73	1.73	1.75
Portland.....	89.60	89.51	88.29	40.0	40.5	40.5	2.24	2.21	2.18
MARYLAND.....	100.65	99.65	98.00	40.1	39.7	40.0	2.51	2.51	2.45
Baltimore.....	106.13	105.34	103.97	40.2	39.9	40.3	2.64	2.64	2.58
MASSACHUSETTS.....	93.13	93.13	89.89	39.8	39.8	39.6	2.34	2.34	2.27
Boston.....	100.58	99.68	97.32	39.6	39.4	39.4	2.54	2.53	2.47
Fall River.....	66.93	67.33	65.34	35.6	36.2	36.1	1.88	1.86	1.81
New Bedford.....	74.31	74.69	71.98	38.5	38.5	38.7	1.93	1.94	1.86
Springfield-Chicopee-Holyoke.....	98.49	98.49	94.30	40.7	40.7	40.3	2.42	2.42	2.34
Worcester.....	99.85	99.94	94.80	40.1	40.3	39.5	2.49	2.48	2.40
MICHIGAN.....	131.21	132.57	124.65	42.6	43.0	41.8	3.08	3.08	2.98
Detroit.....	136.50	138.13	131.31	42.3	42.7	41.9	3.23	3.24	3.13
Flint.....	143.95	151.56	146.72	42.3	44.2	44.3	3.40	3.43	3.31
Grand Rapids.....	111.68	111.12	106.70	40.1	39.9	39.4	2.79	2.79	2.71
Lansing.....	128.15	140.44	131.61	41.3	43.9	42.8	3.10	3.20	3.08
Muskegon-Muskegon Heights.....	116.13	116.00	115.26	40.1	40.0	40.3	2.90	2.90	2.86
Saginaw.....	139.39	137.80	134.61	45.3	44.8	44.5	3.09	3.08	3.03
MINNESOTA.....	106.64	105.47	104.61	40.5	40.3	40.5	2.63	2.62	2.58
Duluth-Superior.....	101.29	101.15	104.69	38.7	38.6	39.2	2.62	2.62	2.67
Minneapolis-St. Paul.....	111.81	110.24	107.48	40.5	40.1	40.2	2.76	2.75	2.67
MISSISSIPPI.....	70.35	69.60	66.30	40.2	40.0	39.7	1.75	1.74	1.67
Jackson.....	75.83	73.04	73.16	42.6	41.5	41.1	1.78	1.76	1.78
MISSOURI.....	98.37	99.48	96.76	39.4	39.7	39.6	2.50	2.50	2.44
Kansas City.....	110.54	110.23	106.95	40.6	40.6	40.6	2.72	2.71	2.63
St. Louis.....	110.88	112.62	110.18	39.8	40.2	40.3	2.79	2.80	2.73
MONTANA.....	107.33	107.87	109.34	39.9	40.4	40.8	2.69	2.67	2.68
NEBRASKA.....	98.25	98.18	95.59	42.0	42.0	42.1	2.34	2.34	2.27
Omaha.....	106.44	106.91	102.97	41.5	41.6	41.6	2.56	2.57	2.48
NEVADA.....	123.83	125.46	121.50	40.6	41.0	40.1	3.05	3.06	3.03
NEW HAMPSHIRE.....	80.39	81.18	76.02	40.6	41.0	39.8	1.98	1.98	1.91
Manchester.....	75.25	75.83	69.37	39.4	39.7	37.7	1.91	1.91	1.84
NEW JERSEY.....	107.06	107.46	103.68	40.4	40.4	40.5	2.65	2.66	2.56
Jersey City ²	107.30	107.57	103.28	40.8	40.9	40.5	2.63	2.63	2.55
Newark ²	107.33	109.06	104.14	40.5	41.0	41.0	2.65	2.66	2.54
Paterson-Clifton-Passaic ²	107.18	107.45	104.19	40.6	40.7	40.7	2.64	2.64	2.56
Perth Amboy ²	110.70	110.70	106.11	40.4	40.4	40.5	2.74	2.74	2.62
Trenton.....	107.45	107.20	103.42	40.7	40.3	40.4	2.64	2.66	2.56
NEW MEXICO.....	94.24	89.01	92.00	40.1	38.7	40.0	2.35	2.30	2.30
Albuquerque.....	97.53	91.73	96.68	40.3	39.2	39.3	2.42	2.34	2.46

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
NEW YORK.....	(1)	\$101.14	\$97.46	(1)	39.2	39.3	(1)	\$2.58	\$2.48
Albany-Schenectady-Troy.....	\$112.46	109.20	107.74	40.6	40.0	40.2	\$2.77	2.73	2.68
Binghamton.....	94.96	98.95	91.18	39.9	41.4	38.8	2.38	2.39	2.35
Buffalo.....	122.48	122.07	119.31	41.1	41.1	41.0	2.98	2.97	2.91
Elmira.....	99.94	100.55	95.89	39.5	39.9	39.3	2.53	2.52	2.44
Nassau and Suffolk Counties 2.....	106.38	106.92	108.39	39.4	39.6	40.9	2.70	2.70	2.65
New York City 2.....	(1)	94.50	91.34	(1)	37.5	37.9	(1)	2.52	2.41
New York-Northeastern New Jersey.....	(1)	100.49	97.61	(1)	38.8	39.2	(1)	2.59	2.49
Rochester.....	114.45	115.75	110.16	40.3	40.9	40.8	2.84	2.83	2.70
Syracuse.....	108.14	108.14	107.57	40.5	40.5	40.9	2.67	2.67	2.63
Utica-Rome.....	97.04	95.92	93.06	40.1	39.8	39.6	2.42	2.41	2.35
Westchester County 2.....	100.19	102.80	100.65	39.6	40.0	40.1	2.53	2.57	2.51
NORTH CAROLINA.....	70.64	69.72	66.73	40.6	40.3	40.2	1.74	1.73	1.66
Charlotte.....	79.57	77.64	74.34	42.1	41.3	41.3	1.89	1.88	1.80
Greensboro-High Point.....	73.08	70.13	65.32	40.6	39.4	38.2	1.80	1.78	1.71
NORTH DAKOTA.....	99.07	100.08	89.03	42.2	42.0	41.0	2.35	2.38	2.17
Fargo-Moorhead.....	102.22	95.10	96.39	39.7	39.1	38.7	2.57	2.43	2.49
OHIO.....	118.13	118.10	114.36	41.0	41.0	40.7	2.88	2.88	2.81
Akron.....	130.14	127.69	124.67	40.8	40.2	40.3	3.19	3.18	3.09
Canton.....	117.76	116.56	113.56	40.4	39.9	39.7	2.91	2.92	2.86
Cincinnati.....	109.60	110.58	106.30	40.4	40.9	40.8	2.71	2.70	2.61
Cleveland.....	122.68	124.06	117.47	41.4	41.7	41.0	2.96	2.98	2.87
Columbus.....	110.75	112.32	106.07	40.4	40.8	39.9	2.74	2.75	2.66
Dayton.....	128.48	126.80	123.42	41.9	41.5	41.5	3.07	3.06	2.97
Toledo.....	118.20	118.72	115.39	40.2	40.5	40.0	2.94	2.93	2.88
Youngstown-Warren.....	128.10	129.14	124.20	40.7	40.8	39.8	3.15	3.17	3.12
OKLAHOMA.....	97.16	96.28	92.96	41.7	41.5	41.5	2.33	2.32	2.24
Oklahoma City.....	91.56	93.04	88.40	42.0	42.1	41.7	2.18	2.21	2.12
Tulsa.....	102.75	101.00	97.61	41.1	40.4	40.5	2.50	2.50	2.41
OREGON.....	110.37	112.63	104.52	39.0	39.8	39.0	2.83	2.83	2.68
Portland.....	111.83	112.11	106.04	39.1	39.2	38.7	2.86	2.86	2.74
PENNSYLVANIA.....	100.30	99.65	96.29	39.8	39.7	39.3	2.52	2.51	2.45
Allentown-Bethlehem-Easton.....	96.61	96.11	91.68	38.8	38.6	38.2	2.49	2.49	2.40
Altoona.....	79.31	80.05	81.77	38.5	38.3	39.5	2.06	2.09	2.07
Erie.....	108.58	108.84	104.96	41.6	41.7	41.0	2.61	2.61	2.56
Harrisburg.....	88.26	87.26	82.92	40.3	40.4	39.3	2.19	2.16	2.11
Johnstown.....	101.75	103.85	98.28	37.0	37.9	37.8	2.75	2.74	2.60
Lancaster.....	92.03	89.87	86.58	40.9	40.3	39.9	2.25	2.23	2.17
Philadelphia.....	103.49	102.26	101.60	39.5	38.3	40.0	2.62	2.67	2.54
Pittsburgh.....	124.34	122.49	117.81	40.5	39.9	39.4	3.07	3.07	2.99
Reading.....	90.74	89.89	85.89	39.8	39.6	39.4	2.28	2.27	2.18
Scranton.....	72.35	74.30	69.93	37.1	38.1	37.0	1.95	1.95	1.89
Wilkes-Barre-Hazleton.....	72.75	70.86	68.62	37.5	37.1	36.5	1.94	1.91	1.88
York.....	86.51	86.51	83.03	41.0	41.0	40.9	2.11	2.11	2.03
RHODE ISLAND.....	83.62	83.39	82.22	40.2	39.9	40.5	2.08	2.09	2.03
Providence-Pawtucket.....	83.18	83.62	81.20	39.8	40.2	40.0	2.09	2.08	2.03
SOUTH CAROLINA.....	73.16	73.10	69.46	41.1	41.3	41.1	1.78	1.77	1.69
Charleston.....	81.61	83.23	79.35	40.6	40.8	40.9	2.01	2.04	1.94
Greenville.....	71.45	71.62	65.53	41.3	41.4	40.7	1.73	1.73	1.61
SOUTH DAKOTA.....	(1)	101.08	93.16	(1)	43.2	42.1	(1)	2.34	2.21
Sioux Falls.....	(1)	112.69	105.17	(1)	44.8	43.4	(1)	2.52	2.42
TENNESSEE 3.....	81.81	81.81	77.61	40.5	40.5	39.8	2.02	2.02	1.95
Chattanooga.....	87.12	87.74	82.78	40.9	41.0	39.8	2.13	2.14	2.08
Knoxville.....	93.53	92.97	91.14	39.8	39.9	39.8	2.35	2.33	2.29
Memphis.....	90.90	91.35	88.88	40.4	40.6	40.4	2.25	2.25	2.20
Nashville 4.....	86.69	86.07	83.64	40.7	40.6	40.6	2.13	2.12	2.06

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

**Table C-8: Gross hours and earnings of production workers on manufacturing payrolls,
by State and selected areas--Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963	Mar. 1964	Feb. 1964	Mar. 1963
TEXAS.....	\$99.48	\$98.12	\$95.17	41.8	41.4	41.2	\$2.38	\$2.37	\$2.31
Dallas.....	89.44	87.33	84.66	41.6	41.0	40.9	2.15	2.13	2.07
Fort Worth.....	103.98	103.16	100.08	41.1	41.1	41.7	2.53	2.51	2.40
Houston.....	117.30	115.50	110.54	42.5	42.0	41.4	2.76	2.75	2.67
San Antonio.....	75.35	74.39	71.58	41.4	41.1	40.9	1.82	1.81	1.75
UTAH.....	111.10	107.84	111.10	40.4	39.5	40.4	2.75	2.73	2.75
Salt Lake City.....	105.85	104.94	106.37	40.4	39.9	40.6	2.62	2.63	2.62
VERMONT.....	85.08	84.66	82.41	41.1	40.9	41.0	2.07	2.07	2.01
Burlington.....	89.65	88.76	86.65	40.2	39.1	40.3	2.23	2.27	2.15
Springfield.....	95.94	94.42	99.06	41.0	40.7	42.7	2.34	2.32	2.32
VIRGINIA.....	83.03	80.60	78.38	40.9	39.9	40.4	2.03	2.02	1.94
Norfolk-Portsmouth.....	97.82	83.82	81.99	45.5	40.3	39.8	2.15	2.08	2.06
Richmond.....	89.69	87.12	86.37	40.4	39.6	39.8	2.22	2.20	2.17
Roanoke.....	81.56	79.87	75.58	42.7	41.6	41.3	1.91	1.92	1.83
WASHINGTON.....	114.85	115.35	110.94	38.8	39.1	39.2	2.96	2.95	2.83
Seattle.....	114.94	114.94	111.79	38.7	38.7	39.5	2.97	2.97	2.83
Spokane.....	118.01	117.22	114.55	39.6	39.6	38.7	2.98	2.96	2.96
Tacoma.....	112.90	112.81	108.75	38.4	38.5	38.7	2.94	2.93	2.81
WEST VIRGINIA.....	105.74	107.20	103.75	39.9	40.3	39.6	2.65	2.66	2.62
Charleston.....	129.16	130.20	125.96	41.8	42.0	41.3	3.09	3.10	3.05
Huntington-Ashland.....	109.59	111.04	107.53	39.0	39.8	39.1	2.81	2.79	2.75
Wheeling.....	102.85	108.26	104.41	37.4	39.8	39.4	2.75	2.72	2.65
WISCONSIN.....	109.64	108.55	104.68	41.4	41.2	40.7	2.65	2.64	2.57
Green Bay.....	106.41	107.84	104.61	42.4	42.9	42.5	2.51	2.51	2.46
Kenosha.....	119.95	118.18	123.13	39.8	39.4	41.5	3.01	3.00	2.97
La Crosse.....	102.43	102.57	101.07	39.4	39.5	39.4	2.60	2.59	2.56
Madison.....	114.13	111.42	108.80	40.4	39.8	40.0	2.83	2.80	2.72
Milwaukee.....	119.87	117.92	113.27	41.0	40.6	40.3	2.92	2.90	2.81
Racine.....	118.72	114.48	110.17	41.6	40.7	40.4	2.86	2.81	2.73
WYOMING.....	101.38	99.19	102.27	37.0	36.2	37.6	2.74	2.74	2.72
Casper.....	113.65	114.02	121.79	36.9	36.9	39.8	3.08	3.09	3.06

¹Not available.

²Subarea of New York-Northeastern New Jersey.

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

⁴Area definition revised as follows:

Nashville.....Davidson, Sumner, and Wilson Counties.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

Table D-1: Labor turnover rates in manufacturing

1954 to date

(Per 100 employees)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Total accessions													
1954.....	3.2	2.9	3.3	2.9	3.2	4.3	3.8	4.3	4.3	4.4	4.0	2.9	3.6
1955.....	3.8	3.7	4.2	4.2	4.5	5.3	4.5	5.8	5.5	5.0	4.0	2.9	4.5
1956.....	3.8	3.6	3.6	4.0	4.1	5.1	4.3	4.9	5.2	5.1	3.6	2.7	4.2
1957.....	3.7	3.3	3.3	3.4	3.6	4.8	4.2	4.1	4.1	3.5	2.6	2.0	3.6
1958.....	2.9	2.6	2.8	3.1	3.6	4.7	4.2	4.9	5.0	4.0	3.2	2.7	3.6
1959 ¹	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
1960.....	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961.....	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962.....	4.1	3.6	3.8	4.0	4.3	5.0	4.5	5.1	4.9	3.9	3.0	2.4	4.1
1963.....	3.6	3.3	3.5	3.9	4.0	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964.....	3.6	3.4	3.5										
New hires													
1954.....	1.6	1.5	1.7	1.5	1.7	2.3	2.1	2.3	2.4	2.2	2.1	1.5	1.9
1955.....	2.0	2.1	2.6	2.6	3.0	3.8	3.3	4.1	3.9	3.5	2.9	2.0	3.0
1956.....	2.5	2.4	2.2	2.5	2.8	3.6	2.9	3.4	3.4	3.2	2.3	1.8	2.8
1957.....	2.3	2.0	2.0	2.1	2.3	3.2	2.8	2.7	2.5	2.1	1.3	.8	2.2
1958.....	1.2	1.1	1.1	1.3	1.5	2.2	2.1	2.4	2.6	2.2	1.7	1.3	1.7
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
1960.....	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961.....	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962.....	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963.....	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.1	2.6	1.8	1.4	2.4
1964.....	2.0	2.0	2.2										
Total separations													
1954.....	4.9	4.0	4.1	4.4	3.8	3.8	3.7	4.1	4.9	4.2	3.7	3.6	4.1
1955.....	3.3	2.8	3.3	3.6	3.7	4.0	4.1	4.7	5.5	4.4	3.8	3.6	3.9
1956.....	4.1	4.1	3.9	3.9	4.3	4.2	3.8	4.6	5.5	4.4	4.0	3.4	4.2
1957.....	3.8	3.4	3.7	3.8	3.9	3.7	3.7	4.7	5.5	5.0	4.9	4.6	4.2
1958.....	5.4	4.1	4.5	4.4	3.9	3.5	3.7	4.1	4.5	4.1	3.6	3.5	4.1
1959 ¹	3.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
1960.....	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961.....	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962.....	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963.....	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.7	4.9	4.1	3.8	3.7	3.9
1964.....	4.0	3.3	3.4										
Quits													
1954.....	1.3	1.2	1.2	1.4	1.2	1.3	1.4	1.7	2.2	1.5	1.3	1.0	1.4
1955.....	1.2	1.2	1.5	1.8	1.7	1.8	2.0	2.7	3.5	2.2	1.8	1.3	1.9
1956.....	1.6	1.6	1.7	1.8	1.8	2.0	1.9	2.7	3.2	2.1	1.6	1.2	1.9
1957.....	1.5	1.4	1.5	1.6	1.6	1.6	1.7	2.3	2.7	1.6	1.1	.8	1.6
1958.....	.9	.8	.8	.8	.9	1.0	1.1	1.5	1.9	1.3	1.0	.8	1.1
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
1960.....	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961.....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962.....	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963.....	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964.....	1.2	1.1	1.2										
Layoffs													
1954.....	3.2	2.4	2.5	2.7	2.2	2.1	1.9	2.0	2.1	2.1	2.0	2.2	2.3
1955.....	1.7	1.2	1.4	1.4	1.3	1.5	1.6	1.5	1.4	1.6	1.5	1.8	1.5
1956.....	1.9	2.0	1.7	1.6	1.9	1.6	1.5	1.4	1.8	1.7	1.9	1.8	1.7
1957.....	1.7	1.5	1.5	1.7	1.8	1.4	1.6	1.9	2.3	3.0	3.4	3.4	2.1
1958.....	4.0	2.9	3.3	3.2	2.6	2.0	2.3	2.1	2.1	2.3	2.2	2.4	2.6
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
1960.....	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961.....	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962.....	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963.....	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964.....	2.0	1.5	1.6										

¹Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

Table D-2: Labor turnover rates, by industry

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964
MANUFACTURING	3.5	3.4	2.2	2.0	3.4	3.3	1.2	1.1	1.6	1.5
DURABLE GOODS	3.5	3.3	2.1	1.9	3.1	3.1	1.1	.9	1.4	1.5
NONDURABLE GOODS	3.5	3.5	2.2	2.1	3.8	3.5	1.4	1.3	1.9	1.6
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	1.9	2.0	1.1	1.2	3.6	3.1	0.8	0.8	2.4	1.9
Ammunition, except for small arms	1.9	2.2	1.2	1.3	4.0	3.1	.9	.8	2.7	1.9
Sighting and fire control equipment	1.4	1.7	.2	.7	4.9	5.7	.9	1.2	2.6	3.7
Other ordnance and accessories	2.0	1.4	1.0	.8	2.0	2.3	.5	.6	1.2	1.4
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	4.7	4.8	3.3	3.3	5.6	4.7	2.0	1.9	2.8	2.0
Sawmills and planing mills	4.1	3.8	3.0	2.8	3.8	3.7	1.9	1.7	1.2	1.4
Sawmills and planing mills, general	4.1	3.8	3.0	2.8	3.7	3.7	1.8	1.7	1.2	1.4
Millwork, plywood, and related products	4.7	4.1	3.5	3.0	3.8	3.1	1.9	1.7	1.1	.8
Millwork	4.7	4.0	3.3	3.2	3.8	3.1	1.6	1.6	1.4	1.0
Veneer and plywood	4.1	3.4	3.5	2.8	3.4	3.0	2.2	1.8	.5	.6
Wooden containers	4.4	3.8	2.8	2.5	4.5	4.9	1.9	1.5	1.9	2.8
Wooden boxes, shooks, and crates	4.0	3.8	2.7	2.6	4.6	4.0	2.1	1.5	1.7	1.8
Miscellaneous wood products	5.4	5.4	4.3	4.1	4.4	4.7	2.3	1.9	1.0	1.8
FURNITURE AND FIXTURES	4.9	4.2	3.6	3.1	4.2	4.0	2.2	1.7	1.2	1.5
Household furniture	4.8	4.4	3.8	3.4	4.3	4.0	2.5	2.0	.9	1.3
Wood house furniture, upholstered	4.3	3.6	3.3	2.8	3.9	3.6	2.4	2.0	.7	.9
Wood house furniture, upholstered	4.6	3.4	3.6	2.9	3.8	3.7	2.0	1.7	.9	1.4
Mattresses and bedsprings	3.2	3.5	2.7	2.6	3.3	3.4	1.9	1.4	.8	1.3
Office furniture	3.9	2.2	2.1	1.3	2.6	2.6	1.1	.8	1.1	1.4
STONE, CLAY, AND GLASS PRODUCTS	4.7	3.7	2.3	1.7	3.0	3.3	1.0	.8	1.4	1.9
Flat glass	(1)	1.8	(1)	.3	(1)	5.3	(1)	.3	(1)	4.9
Glass and glassware, pressed or blown	3.8	3.8	1.7	1.3	3.4	2.9	1.0	.8	1.5	1.4
Glass containers	4.8	4.4	2.2	1.4	3.8	3.5	1.4	1.0	1.5	1.7
Pressed and blown glassware, n.e.c.	2.5	3.1	1.1	1.1	2.8	2.2	.6	.6	1.6	1.1
Cement, hydraulic	4.2	5.3	.8	.5	2.7	4.7	.3	.2	1.9	3.9
Structural clay products	6.1	3.5	3.0	1.5	2.5	3.4	1.3	.9	.7	2.0
Brick and structural clay tile	7.8	3.4	4.3	1.6	2.6	4.2	1.7	1.1	.3	2.6
Pottery and related products	2.7	2.7	1.8	1.6	2.6	2.7	.9	.9	1.2	1.3
Abrasive products	1.4	1.5	1.1	.8	1.1	1.0	.5	.4	.3	.2
PRIMARY METAL INDUSTRIES	2.7	3.2	1.5	1.5	1.9	2.0	.6	.5	.7	.7
Blast furnace and basic steel products	2.8	3.5	1.1	1.1	1.6	1.5	.4	.3	.6	.6
Blast furnaces, steel and rolling mills	2.8	3.6	1.1	1.0	1.5	1.4	.3	.2	.5	.5
Iron and steel foundries	3.6	3.9	2.9	2.8	2.6	2.8	1.4	1.0	.5	.7
Gray iron foundries	3.3	3.8	2.5	2.4	2.5	2.7	1.3	1.0	.4	.6
Malleable iron foundries	4.0	4.3	3.7	3.1	2.7	3.3	1.5	1.3	.1	.2
Steel foundries	4.2	4.1	3.3	3.2	2.9	2.9	1.4	1.0	.8	1.1
Nonferrous smelting and refining	1.7	1.8	1.2	1.1	1.8	1.7	.5	.5	.9	.5
Nonferrous rolling, drawing, and extruding	1.7	2.3	.9	1.3	1.7	2.0	.5	.5	.8	1.0
Copper rolling, drawing, and extruding	1.4	1.4	.9	1.0	1.1	1.4	.4	.3	.2	.6
Aluminum rolling, drawing, and extruding	1.8	2.8	.6	1.3	1.2	1.6	.3	.4	.7	.7
Nonferrous wire drawing, and insulating	1.9	2.7	1.2	1.4	2.4	3.1	.8	.8	1.2	1.8
Nonferrous foundries	3.7	3.4	2.6	2.7	3.5	3.6	1.3	1.2	1.5	1.8
Aluminum castings	4.5	4.1	3.2	3.4	4.2	3.7	1.7	1.4	1.6	1.6
Other nonferrous castings	2.9	2.7	1.9	1.9	2.8	3.5	.9	1.0	1.4	2.0
Miscellaneous primary metal industries	2.4	1.9	1.7	1.2	2.1	1.9	.6	.6	.8	.9
Iron and steel forgings	2.3	1.7	1.5	1.1	2.1	1.9	.6	.5	.9	1.0

See footnotes at end of table. NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA
LABOR TURNOVER

Table D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964
<i>Durable Goods--Continued</i>										
FABRICATED METAL PRODUCTS	4.0	3.6	2.3	2.1	3.4	3.5	1.2	1.0	1.5	1.8
Metal cans	5.5	5.3	1.4	1.3	4.3	5.7	.5	.5	2.8	4.3
Cutlery, hand tools, and general hardware	3.6	2.9	2.2	1.9	3.7	3.1	1.1	.9	1.9	1.5
Cutlery and hand tools, including saws	2.6	2.1	2.1	1.6	2.3	2.6	1.0	.9	.8	1.1
Hardware, n.e.c.	4.1	3.4	2.2	2.0	4.6	3.5	1.2	1.0	2.7	1.7
Heating equipment and plumbing fixtures	4.3	2.9	2.5	1.9	3.0	3.1	1.1	.9	1.3	1.5
Sanitary ware and plumbers' brass goods	3.2	2.3	1.7	1.3	2.8	2.8	1.0	.8	1.2	1.2
Heating equipment, except electric	5.1	3.3	3.1	2.3	3.2	3.3	1.2	1.0	1.5	1.8
Fabricated structural metal products	4.5	4.0	2.8	2.4	3.4	3.6	1.2	1.0	1.4	2.0
Fabricated structural steel	4.7	4.7	2.9	2.4	3.8	4.1	1.3	1.0	1.6	2.4
Fabricated plate work (boiler shops)	3.7	3.1	2.3	1.9	2.6	2.7	1.1	.9	.9	1.4
Architectural and miscellaneous metal work	3.7	3.4	2.1	1.8	3.8	4.0	1.0	1.0	2.4	2.4
Screw machine products, bolts, etc.	2.6	2.9	2.0	2.2	2.3	2.4	1.0	1.1	.6	.7
Bolts, nuts, screws, rivets, and washers	2.2	2.2	1.7	1.6	1.7	1.7	.8	.8	.4	.4
Metal stampings	3.5	2.8	1.7	1.2	2.9	3.1	1.0	.7	1.2	1.8
Miscellaneous fabricated wire products	3.5	3.6	2.7	2.5	2.9	3.7	1.2	1.4	1.1	1.8
Miscellaneous fabricated metal products	3.4	2.9	1.9	1.8	3.0	2.7	1.0	.9	1.5	1.3
Valves, pipe, and pipe fittings	3.0	2.6	2.0	1.7	2.3	2.1	.9	.9	.9	.8
MACHINERY	3.0	3.0	2.4	2.2	2.4	2.2	1.0	.9	.8	.7
Engines and turbines	2.6	2.6	1.5	1.3	2.5	1.8	.5	.5	1.1	.5
Steam engines and turbines	1.5	1.3	.2	.3	3.6	1.8	.3	.3	2.3	.5
Internal combustion engines, n.e.c.	3.3	3.4	2.4	2.0	1.7	1.8	.8	.6	.3	.5
Farm machinery and equipment	3.9	4.5	3.1	3.1	3.3	2.7	1.3	1.1	1.1	1.0
Construction and related machinery	3.0	3.0	2.4	2.3	2.1	2.2	.9	.9	.7	.7
Construction and mining machinery	3.4	3.5	2.7	2.8	2.3	2.0	1.0	1.0	.7	.4
Oil field machinery, and equipment	3.0	2.6	2.6	1.3	1.8	1.8	1.1	.9	.2	.2
Conveyors, hoists, and industrial cranes	2.7	2.6	2.1	2.0	2.4	2.9	1.0	.7	.9	1.4
Metalworking machinery and equipment	3.1	3.0	2.6	2.4	2.4	2.0	1.0	.9	.8	.4
Machine tools, metal cutting types	2.4	2.1	2.1	1.9	1.5	1.3	.7	.6	.3	.2
Machine tool accessories	2.2	2.0	1.8	1.5	1.4	1.5	.8	.6	.2	.4
Miscellaneous metalworking machinery	2.4	2.4	1.7	1.8	1.6	1.6	.6	.7	.5	.2
Special industry machinery	2.6	2.5	2.1	2.0	1.7	2.0	.9	.9	.3	.6
Food products machinery	2.6	2.8	1.9	2.2	2.0	2.2	.9	.8	.5	.9
Textile machinery	2.4	2.4	2.0	1.9	2.1	2.2	1.2	1.0	.2	.6
General industrial machinery	2.2	2.3	1.8	1.7	1.7	1.9	.8	.7	.5	.7
Pumps, air and gas compressors	2.2	2.5	1.9	1.9	1.8	1.7	.9	.9	.5	.3
Ball and roller bearings	1.0	1.9	.8	1.1	1.4	1.8	.7	.5	.4	1.1
Mechanical power transmission goods	2.3	2.1	2.0	1.7	1.5	1.3	.6	.6	.4	.2
Office, computing, and accounting machines	2.2	2.1	1.6	1.5	2.3	2.2	.8	.7	.8	.8
Computing machines and cash registers	2.2	1.9	1.8	1.3	2.5	2.0	.7	.7	1.0	.7
Service industry machines	4.2	3.9	3.2	2.6	3.5	2.5	1.4	1.0	1.1	.9
Refrigeration, except home refrigerators	4.7	4.7	3.6	2.9	4.0	2.6	1.6	1.1	1.1	.8
ELECTRICAL EQUIPMENT AND SUPPLIES	3.0	2.6	1.6	1.5	3.2	3.4	1.0	1.0	1.5	1.7
Electric distribution equipment	2.3	1.9	1.1	1.2	2.5	2.4	.7	.7	1.2	1.0
Electric measuring instruments	2.5	1.7	1.2	1.1	3.4	2.5	.8	.9	1.9	.9
Power and distribution transformers	3.0	2.3	.9	1.0	2.4	3.4	.7	.7	1.0	2.2
Switchgear and switchboard apparatus	1.8	1.8	1.2	1.3	1.8	1.8	.6	.6	.8	.4
Electrical industrial apparatus	2.9	2.4	2.1	1.5	2.6	2.5	1.0	.9	.9	1.0
Motors and generators	3.0	2.5	2.0	1.5	3.0	2.8	1.0	.8	1.3	1.2
Industrial controls	2.9	2.0	2.4	1.4	2.0	1.9	1.0	.9	.3	.5
Household appliances	3.5	2.8	1.9	1.6	2.7	2.7	1.2	.9	.8	1.1
Household refrigerators and freezers	4.4	2.3	2.0	1.5	2.4	2.1	1.3	.7	.3	.7
Household laundry equipment	1.7	1.2	.8	.5	1.6	2.0	.5	.6	.6	1.0
Electric housewares and fans	4.1	5.0	2.3	2.2	4.1	4.0	1.7	1.4	1.8	1.8
Electric lighting and wiring equipment	2.6	2.9	1.8	1.7	3.0	2.8	1.0	1.0	1.4	1.1
Electric lamps	1.1	1.4	.8	1.0	1.5	1.3	.6	.6	.4	.2
Lighting fixtures	3.2	3.7	1.9	1.7	4.0	3.9	.9	1.1	2.5	2.2
Wiring devices	2.8	2.9	2.1	2.0	3.0	2.7	1.2	1.2	1.1	.7
Radio and TV receiving sets	4.8	3.3	1.3	1.5	4.5	5.8	1.2	1.3	2.5	3.4
Communication equipment	2.2	2.0	1.3	1.2	2.6	3.3	1.0	.9	1.0	1.5
Telephone and telegraph apparatus	(1)	1.8	(1)	1.3	(1)	1.4	(1)	.7	(1)	.4
Radio and TV communication equipment	2.5	2.0	1.4	1.1	3.1	4.1	1.0	1.0	1.4	2.0
Electronic components and accessories	4.3	3.9	2.2	2.1	4.5	4.1	1.3	1.2	2.4	2.1
Electron tubes	2.7	2.2	1.2	.9	4.4	2.5	.9	.8	2.7	1.2
Electronic components, n.e.c.	4.8	4.4	2.5	2.6	4.6	4.6	1.4	1.4	2.4	2.3
Miscellaneous electrical equipment and supplies	3.0	2.6	1.2	1.2	4.0	5.3	1.0	.8	2.3	3.8
Electrical equipment for engines	2.8	3.0	1.2	1.2	3.6	4.6	1.1	.8	1.7	3.1

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

Table D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964
<i>Durable Goods--Continued</i>										
TRANSPORTATION EQUIPMENT	3.6	3.5	2.0	1.6	3.3	3.4	0.8	0.7	1.6	1.8
Motor vehicles and equipment	3.4	3.3	1.7	1.2	2.9	2.7	.5	.4	.9	1.2
Motor vehicles	3.3	2.3	1.7	1.1	2.7	2.4	.5	.4	.7	1.0
Passenger car bodies	3.4	10.2	1.4	1.3	3.2	3.3	.4	.3	.3	1.4
Truck and bus bodies	4.9	4.9	4.2	2.7	2.7	3.6	1.3	1.1	.6	1.8
Motor vehicle parts and accessories	2.9	2.2	1.2	1.0	3.0	2.6	.4	.4	1.3	1.3
Aircraft and parts	2.0	1.8	1.3	1.2	2.6	2.7	.8	.8	1.4	1.4
Aircraft	2.0	1.7	1.4	1.2	2.3	2.5	.7	.8	1.3	1.2
Aircraft engines and engine parts	1.2	1.4	.6	.9	2.4	2.7	.8	.7	1.2	1.4
Other aircraft parts and equipment	3.3	2.7	2.5	2.0	3.7	3.7	1.1	1.1	2.0	2.2
Ship and boat building and repairing	10.7	10.2	4.7	4.2	8.2	9.5	1.7	1.6	6.0	7.2
Ship building and repairing	11.4	10.7	4.3	4.0	8.7	10.8	1.4	1.5	6.9	8.6
Railroad equipment	4.1	5.2	3.1	3.3	3.8	3.4	.8	.7	1.8	1.7
Other transportation equipment	8.0	8.3	5.9	5.9	5.4	5.9	2.4	2.4	1.7	2.2
INSTRUMENTS AND RELATED PRODUCTS	2.8	2.3	1.8	1.5	2.7	2.6	.9	.8	1.2	1.0
Engineering and scientific instruments	1.4	1.8	.8	.8	3.0	3.5	.8	.7	1.9	2.1
Mechanical measuring and control devices	3.5	2.7	1.9	1.7	3.2	2.5	.9	.8	1.1	.7
Mechanical measuring devices	2.7	2.0	2.0	1.7	1.8	2.0	.8	.8	.5	.5
Automatic temperature controls	4.9	3.8	1.8	1.7	5.2	3.3	1.1	.9	2.1	1.0
Optical and ophthalmic goods	3.6	2.6	3.0	2.1	2.9	2.3	1.2	1.1	.9	.5
Surgical, medical, and dental equipment	3.1	2.6	2.5	1.8	2.4	2.3	1.2	1.0	.7	.6
Photographic equipment and supplies	(1)	1.5	(1)	1.3	(1)	1.2	(1)	.5	(1)	.3
Watches and clocks	4.1	3.8	1.3	1.2	3.9	4.9	1.2	1.3	2.1	2.8
MISCELLANEOUS MANUFACTURING INDUSTRIES	5.5	5.3	2.7	2.9	4.0	3.9	1.5	1.4	1.9	1.9
Jewelry, silverware, and plated ware	3.5	3.2	2.7	2.1	2.7	2.9	1.3	1.2	.8	1.3
Toys, amusement, and sporting goods	10.5	9.1	2.7	3.5	5.5	6.1	1.6	1.4	3.2	4.0
Toys, games, dolls, and play vehicles	14.8	12.5	2.1	4.2	6.6	7.2	1.5	1.4	4.5	5.0
Sporting and athletic goods, n.e.c.	4.5	4.5	3.4	2.6	4.0	4.5	1.6	1.3	1.5	2.5
Pens, pencils, office and art materials	2.5	3.0	1.9	1.9	2.6	2.4	1.1	1.2	1.0	.6
Costume jewelry, buttons, and notions	4.6	6.5	3.1	4.5	4.6	4.6	2.3	2.1	1.4	1.8
Other manufacturing industries	4.0	3.7	2.6	2.4	3.5	3.0	1.3	1.2	1.7	1.2
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	4.0	4.0	2.3	2.1	4.8	4.9	1.3	1.3	2.9	3.0
Meat products	4.4	4.1	1.9	1.6	5.1	5.7	1.4	1.3	3.2	3.9
Meat packing	4.3	4.1	1.0	1.0	5.4	5.7	.6	.7	4.3	4.6
Poultry dressing and packing	5.9	5.3	4.8	3.8	5.3	7.1	3.9	3.4	.8	2.8
Grain mill products	2.7	2.0	1.5	1.3	3.4	3.4	.9	.8	2.1	2.0
Flour and other grain mill products	2.3	1.7	1.5	.9	3.0	3.0	.7	.7	1.8	1.9
Prepared feeds for animals and fowls	2.5	2.2	1.8	1.4	2.8	3.4	1.2	1.1	1.3	1.6
Bakery products	2.9	3.0	2.3	2.3	2.9	2.8	1.5	1.4	.8	.7
Bread, cake, and perishable products	2.7	2.8	2.3	2.4	2.6	2.7	1.5	1.5	.6	.5
Biscuit, crackers, and pretzels	3.8	3.9	1.8	1.9	4.3	3.3	1.6	1.0	1.8	1.6
Confectionery and related products	3.1	5.6	1.8	3.2	7.8	6.4	1.7	2.2	5.6	3.4
Candy and other confectionery products	3.5	6.3	2.0	3.7	9.4	7.1	2.0	2.5	6.9	3.7
Beverages	4.5	4.0	2.4	1.8	3.2	3.6	1.1	1.0	1.7	2.1
Malt liquors	4.2	4.2	.8	.8	3.1	3.7	.3	.2	2.6	3.2
TOBACCO MANUFACTURES	3.2	4.0	1.9	2.1	6.8	9.0	.9	.9	5.5	7.4
Cigarettes	1.2	.6	.5	.4	1.4	1.9	.3	.4	.8	1.1
Cigars	5.9	7.2	4.6	4.7	3.8	3.2	2.0	1.8	1.1	.9

See footnotes at end of table. NOTE: Data for the current month are preliminary.

Table D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964
<i>Nondurable Goods--Continued</i>										
TEXTILE MILL PRODUCTS	3.6	3.6	2.4	2.3	3.5	3.2	1.8	1.6	1.1	1.0
Cotton broad woven fabrics	2.6	2.6	2.0	1.9	2.8	2.6	1.9	1.6	.3	.4
Silk and synthetic broad woven fabrics	2.6	2.8	1.9	2.0	3.1	2.8	1.6	1.5	.8	.6
Weaving and finishing broad woolens	4.5	4.5	2.1	2.1	5.1	3.9	1.4	1.4	3.1	1.9
Narrow fabrics and smallwares	3.6	3.3	2.4	2.1	3.3	3.1	1.5	1.3	1.2	1.4
Knitting	4.7	4.7	2.8	2.6	3.5	3.7	1.8	1.7	1.2	1.5
Full-fashioned hosiery	3.0	4.1	2.2	3.1	2.8	3.2	1.8	1.8	.8	.8
Seamless hosiery	3.0	2.9	2.1	2.0	2.7	2.7	1.6	1.6	.7	.7
Knit underwear	2.5	2.3	1.7	1.3	2.3	2.5	1.5	1.4	.4	.9
Finishing textiles, except wool and knit	2.8	3.1	2.1	2.0	2.5	2.2	1.4	1.0	.6	.7
Floor covering	3.4	3.8	2.5	2.8	3.4	3.3	1.6	1.6	1.0	1.0
Yarn and thread	3.9	4.1	3.0	2.9	4.0	4.1	2.4	2.2	.8	1.2
Miscellaneous textile goods	4.5	3.3	2.1	1.8	5.6	3.9	1.4	1.2	3.4	2.0
APPAREL AND RELATED PRODUCTS	4.7	5.2	3.0	3.2	5.4	4.3	1.9	1.8	2.9	1.7
Men's and boys' suits and coats	2.7	2.6	1.7	1.6	3.2	2.4	1.2	1.0	1.5	.9
Men's and boys' furnishings	4.2	4.2	2.9	2.8	3.9	3.9	2.2	2.2	1.1	1.1
Men's and boys' shirts and nightwear	3.8	3.6	2.5	2.3	3.4	3.7	2.0	2.2	.8	.9
Men's and boys' separate trousers	4.2	4.1	3.2	3.4	4.8	3.5	2.6	2.4	1.7	.5
Work clothing	4.2	4.4	3.2	3.4	3.6	3.5	2.7	2.5	.4	.4
Women's and children's undergarments	4.1	4.3	2.9	3.0	4.6	4.3	2.3	2.1	1.7	1.5
Women's and children's underwear	4.5	4.9	3.2	3.4	4.9	4.3	2.4	2.3	1.8	1.3
Corsets and allied garments	3.4	3.2	2.3	2.2	4.2	4.4	2.0	1.7	1.6	1.9
PAPER AND ALLIED PRODUCTS	2.6	2.2	1.7	1.4	2.2	2.4	.9	.8	.8	1.0
Paper and pulp	1.4	1.5	.8	.8	1.3	1.8	.4	.4	.5	.9
Paperboard	1.7	1.3	1.2	.9	1.5	1.7	.5	.7	.5	.5
Converted paper and paperboard products	3.8	2.9	2.6	2.0	3.0	2.9	1.3	1.1	.9	1.2
Bags, except textile bags	5.0	3.7	3.9	2.2	4.2	4.9	1.9	1.6	1.4	2.3
Paperboard containers and boxes	3.2	2.6	2.2	1.8	2.9	2.9	1.2	1.1	1.2	1.2
Folding and setup paperboard boxes	3.1	2.9	2.0	1.7	3.1	3.3	1.1	1.1	1.4	1.4
Corrugated and solid fiber boxes	2.9	2.2	2.1	1.7	2.3	2.4	1.2	1.1	.6	.8
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	2.7	2.8	2.0	2.1	2.4	2.6	1.2	1.2	.8	.9
CHEMICALS AND ALLIED PRODUCTS	2.5	1.9	1.7	1.3	1.7	1.6	.6	.6	.7	.6
Industrial chemicals	1.2	1.1	.7	.7	1.2	1.1	.4	.4	.5	.4
Plastics and synthetics, except glass	1.8	1.6	1.2	1.1	1.4	1.2	.5	.5	.4	.4
Plastics and synthetics, except fibers	1.8	1.6	1.3	1.1	1.3	1.3	.5	.5	.4	.4
Synthetic fibers	1.9	1.6	1.2	1.1	1.5	1.1	.5	.4	.6	.4
Drugs	1.5	1.5	1.2	1.3	1.5	1.8	.7	.7	.4	.6
Pharmaceutical preparations	1.7	1.6	1.3	1.3	1.7	2.0	.8	.8	.6	.8
Soap, cleaners, and toilet goods	3.3	2.8	2.0	1.5	3.0	2.3	.9	.8	1.5	1.0
Soap and detergents	3.0	2.3	.9	.7	3.4	2.2	.4	.5	2.6	1.4
Toilet preparations	4.2	4.0	3.0	2.2	3.6	2.8	1.5	1.2	1.3	.7
Paints, varnishes, and allied products	2.1	1.9	1.6	1.6	1.4	1.5	.7	.7	.1	.2
Other chemical products	2.6	2.4	1.6	1.3	2.5	2.2	.8	.7	1.2	1.2
PETROLEUM REFINING AND RELATED INDUSTRIES	1.2	1.3	.6	.7	1.2	1.4	.3	.4	.3	.6
Petroleum refining . . . . .	.6	.7	.4	.5	1.0	1.1	.3	.3	.2	.4
Other petroleum and coal products	3.8	4.1	1.3	1.6	2.1	3.2	.6	.7	1.1	1.9
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	3.4	3.1	2.0	1.9	3.7	3.1	1.2	1.1	1.8	1.2
Tires and inner tubes	1.8	1.3	.5	.5	1.3	1.6	.2	.3	.7	.6
Other rubber products	3.3	2.7	1.8	1.5	3.8	3.0	1.1	1.0	2.1	1.2
Miscellaneous plastic products	4.6	4.7	3.1	3.1	4.9	4.2	1.8	1.7	2.2	1.6

See footnotes at end of table. NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

Table D-2: Labor turnover rates, by industry--Continued

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964	Mar. 1964	Feb. 1964
<i>Nondurable Goods--Continued</i>										
LEATHER AND LEATHER PRODUCTS	4.4	4.6	2.5	2.7	5.3	4.2	2.0	1.9	2.5	1.6
Leather tanning and finishing	3.7	2.9	1.9	1.5	3.7	3.8	.9	.9	2.3	2.4
Footwear, except rubber	4.3	4.1	2.5	2.6	5.2	3.8	2.2	1.9	2.2	1.2
NONMANUFACTURING										
METAL MINING	2.8	2.7	1.8	1.7	2.0	2.2	1.1	1.0	.3	.4
Iron ores	2.9	2.9	.9	1.0	1.2	1.9	.3	.2	.5	1.0
Copper ores	1.7	2.6	1.1	1.7	1.3	1.7	.5	.7	.2	.2
COAL MINING	1.4	1.5	.8	.7	1.7	1.8	.5	.4	.8	1.0
Bituminous	1.4	1.2	.7	.6	1.7	1.7	.4	.4	.9	1.0
COMMUNICATION:										
Telephone communication	(1)	1.3	-	-	(1)	1.1	(1)	.7	(1)	.1
Telegraph communication ²	(1)	1.2	-	-	(1)	1.7	(1)	.6	(1)	.5

¹Not available.

²Data relate to all employees except messengers.

NOTE: Data for the current month are preliminary.

Table D-3: Labor turnover rates in manufacturing, by sex and major industry¹
January 1964

Major industry group	Men (per 100 men)			Women (per 100 women)		
	Total accessions	Separations		Total accessions	Separations	
		Total	Quits		Total	Quits
MANUFACTURING	3.2	3.6	1.0	4.7	5.0	1.6
DURABLE GOODS	3.3	3.7	1.0	3.9	4.6	1.4
Ordnance and accessories	1.8	3.8	.9	1.9	4.3	1.5
Lumber and wood products, except furniture	4.5	6.2	2.0	3.6	4.2	1.4
Furniture and fixtures	4.3	4.7	1.9	4.0	4.4	1.5
Stone, clay, and glass products	3.5	4.7	.9	4.2	4.3	1.2
Primary metal industries	3.5	2.5	.5	2.9	2.9	1.0
Fabricated metal products	3.8	4.2	1.1	4.3	4.4	1.4
Machinery	3.0	2.5	.9	2.9	3.0	1.3
Electrical equipment and supplies	2.4	3.1	.9	4.0	4.8	1.5
Transportation equipment	3.5	4.4	.8	2.7	3.5	1.0
Instruments and related products	2.1	2.5	.8	3.7	4.9	1.6
Miscellaneous manufacturing industries	4.6	4.5	1.3	7.6	8.2	1.8
NONDURABLE GOODS	2.9	3.4	1.1	5.2	5.4	1.8
Food and kindred products	3.3	4.5	1.2	6.3	8.6	2.0
Tobacco manufactures	4.2	6.8	.8	6.5	8.0	1.2
Textile mill products	3.4	3.5	1.7	3.6	4.2	1.5
Apparel and related products	5.7	5.7	1.7	6.0	5.2	2.0
Paper and allied products	2.1	2.4	.8	3.8	4.7	1.4
Printing, publishing, and allied industries	2.4	2.8	1.3	4.5	4.3	1.7
Chemicals and allied products	1.6	1.6	.5	2.7	3.2	1.3
Petroleum refining and related industries	1.3	1.4	.3	2.1	2.2	1.4
Rubber and miscellaneous plastic products	2.7	3.3	.9	5.9	5.5	1.6
Leather and leather products	4.8	5.2	1.9	6.2	5.3	2.1

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

ESTABLISHMENT DATA

SEASONALLY ADJUSTED LABOR TURNOVER

**Table D-4: Labor turnover rates in manufacturing, 1954 to date
seasonally adjusted**

(Per 100 employees)												
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1954.....	3.5	3.4	3.6	3.1	3.3	3.5	3.6	3.4	3.6	4.0	4.5	4.3
1955.....	4.2	4.3	4.6	4.5	4.6	4.3	4.1	4.7	4.6	4.5	4.5	4.3
1956.....	4.2	4.3	4.0	4.3	4.1	4.0	4.0	4.0	4.2	4.6	4.1	4.1
1957.....	4.1	3.9	3.7	3.6	3.6	3.8	3.9	3.3	3.3	3.3	3.1	3.0
1958.....	3.1	3.0	3.2	3.3	3.6	3.7	3.8	3.9	4.0	3.8	3.9	4.2
1959 ¹	4.0	4.4	4.5	4.4	4.1	4.2	4.0	4.1	4.1	3.9	4.2	5.6
1960.....	4.2	4.1	3.6	3.6	3.8	3.7	3.6	3.8	3.9	3.5	3.6	3.6
1961.....	3.9	3.8	4.3	4.2	4.2	4.0	4.1	4.1	3.8	4.4	4.3	4.1
1962.....	4.2	4.2	4.1	4.2	4.1	4.0	4.2	3.9	4.0	3.9	3.8	3.8
1963.....	3.7	3.9	3.8	4.1	3.8	3.9	4.0	3.7	3.9	3.9	3.6	3.9
1964.....	3.7	4.0	3.8									
New hires												
1954.....	1.9	1.8	1.9	1.7	1.7	1.8	1.9	1.8	1.9	2.0	2.4	2.3
1955.....	2.4	2.6	3.0	2.9	3.0	2.9	2.9	3.2	3.1	3.1	3.3	3.2
1956.....	3.0	3.0	2.6	2.8	2.8	2.7	2.5	2.6	2.7	2.9	2.7	3.0
1957.....	2.8	2.5	2.4	2.3	2.3	2.4	2.4	2.1	1.9	1.9	1.6	1.3
1958.....	1.4	1.4	1.4	1.5	1.5	1.6	1.8	1.8	2.0	2.0	2.2	2.3
1959.....	2.4	2.6	2.9	2.8	2.7	2.7	2.6	2.6	2.6	2.4	2.4	2.7
1960.....	2.6	2.7	2.4	2.2	2.3	2.2	2.1	2.2	2.1	2.0	1.9	1.8
1961.....	1.8	1.7	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.5	2.6	2.5
1962.....	2.6	2.6	2.6	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.3	2.2
1963.....	2.3	2.2	2.4	2.6	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.5
1964.....	2.4	2.5	2.6									
Total separations												
1954.....	5.2	4.8	4.5	4.5	4.0	3.8	3.8	3.7	3.7	3.8	3.8	3.9
1955.....	3.4	3.4	3.6	3.7	3.8	4.1	4.3	4.3	4.2	4.0	3.8	3.9
1956.....	4.1	5.0	4.2	4.0	4.5	4.4	4.0	4.2	4.2	4.0	4.0	3.6
1957.....	3.8	4.1	4.0	4.0	4.1	4.0	3.9	4.3	4.3	4.4	4.8	5.0
1958.....	5.4	4.8	4.8	4.6	4.2	3.8	3.9	3.7	3.6	3.6	3.5	3.7
1959 ¹	3.7	3.6	3.6	3.8	3.8	4.0	4.1	4.2	4.3	4.9	4.5	4.0
1960.....	3.6	4.1	4.4	4.5	4.3	4.5	4.4	4.3	4.3	4.2	4.4	4.8
1961.....	4.7	4.5	4.2	3.7	3.9	4.0	4.0	3.8	4.1	3.7	3.9	4.0
1962.....	3.9	3.9	3.9	4.0	4.2	4.2	4.3	4.5	4.0	4.0	3.9	3.8
1963.....	4.0	3.7	3.8	4.0	4.0	3.8	4.0	4.2	3.9	3.7	3.7	3.7
1964.....	4.0	3.8	3.7									
Quits												
1954.....	1.7	1.5	1.4	1.4	1.3	1.3	1.4	1.3	1.4	1.3	1.5	1.5
1955.....	1.5	1.6	1.8	1.9	1.8	1.8	1.9	2.0	2.1	2.0	2.1	2.0
1956.....	2.0	2.1	2.0	1.9	1.9	2.0	1.8	1.9	1.9	1.9	1.9	1.9
1957.....	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.4	1.3	1.2
1958.....	1.1	1.1	1.0	.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3
1959.....	1.4	1.3	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
1960.....	1.5	1.6	1.5	1.6	1.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1
1961.....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
1962.....	1.4	1.5	1.5	1.4	1.6	1.5	1.4	1.5	1.3	1.4	1.4	1.3
1963.....	1.4	1.3	1.5	1.4	1.4	1.4	1.4	1.5	1.3	1.4	1.4	1.3
1964.....	1.5	1.5	1.5									
Layoffs												
1954.....	2.9	2.5	2.8	2.8	2.3	2.3	2.1	2.2	2.2	2.0	1.8	1.7
1955.....	1.5	1.3	1.5	1.5	1.3	1.7	1.8	1.7	1.4	1.5	1.3	1.5
1956.....	1.7	2.1	1.8	1.6	2.0	1.9	1.7	1.6	1.8	1.6	1.7	1.5
1957.....	1.5	1.6	1.6	1.8	2.0	1.7	1.8	2.2	2.4	2.6	2.9	2.9
1958.....	3.6	3.1	3.4	3.3	2.9	2.5	2.6	2.4	2.1	2.0	1.8	2.0
1959.....	1.9	1.7	1.7	1.7	1.6	1.8	1.9	2.0	2.1	2.7	2.4	1.9
1960.....	1.6	1.9	2.3	2.4	2.3	2.5	2.4	2.6	2.5	2.4	2.6	2.8
1961.....	2.9	2.9	2.4	2.1	2.2	2.2	2.3	1.9	2.2	1.7	1.8	2.0
1962.....	1.9	1.9	1.7	1.8	2.0	2.0	2.1	2.3	1.9	2.0	1.9	2.0
1963.....	2.0	1.8	1.8	1.8	1.8	1.7	1.9	2.0	1.8	1.7	1.8	1.8
1964.....	1.8	1.7	1.7									

¹Beginning with January 1959, transfers between establishments of the same firm are included in total accessions and total separations, therefore rates for these items are not strictly comparable with prior data. Transfers comprise part of other accessions and other separations, the rates for which are not shown separately.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has not significantly affected the labor turnover series.

Data for the current month are preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

Table D-5: Labor turnover rates in manufacturing for selected States and areas

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964
ALABAMA ¹	3.6	3.9	1.8	1.8	3.1	3.6	1.1	1.1	1.5	1.8
Birmingham	3.1	3.4	1.5	1.3	2.2	3.6	.7	.7	1.0	1.7
Mobile ¹	9.9	10.2	2.0	1.7	12.1	8.7	1.1	.9	10.4	7.3
ARIZONA	4.3	4.3	3.2	3.4	4.3	5.0	1.4	1.4	2.2	2.7
Phoenix	4.5	4.5	3.4	3.5	3.7	4.6	1.4	1.5	1.5	2.1
ARKANSAS	4.6	5.1	3.7	3.6	4.3	4.7	2.2	2.1	1.2	1.6
Fort Smith	5.7	6.3	5.1	5.3	6.4	4.5	3.3	3.0	2.3	.8
Little Rock-North Little Rock	4.6	6.6	4.4	3.8	4.6	4.5	2.6	2.2	1.3	1.3
Pine Bluff	3.8	4.1	2.3	3.2	3.0	3.7	1.8	2.2	.6	.8
CALIFORNIA ¹	4.0	4.3	2.8	2.9	4.0	4.7	1.4	1.5	1.8	2.3
Los Angeles-Long Beach ¹	3.9	4.4	2.8	3.1	4.0	4.6	1.5	1.7	1.6	1.9
Sacramento ¹	1.6	1.3	1.0	.7	3.5	3.3	.9	.6	2.1	2.3
San Bernardino-Riverside-Ontario ¹	4.3	4.2	3.3	2.6	3.1	4.5	1.2	1.3	1.1	2.5
San Diego ¹	2.3	1.9	1.5	1.2	3.8	4.1	.8	.9	2.5	2.3
San Francisco-Oakland ¹	4.8	5.4	3.0	3.1	4.9	5.1	1.1	1.2	3.0	3.2
San Jose ¹	2.3	2.7	1.7	2.1	2.4	2.9	1.0	1.3	.8	.9
Stockton ¹	8.2	3.8	1.9	2.3	2.6	6.8	1.0	1.2	1.2	5.2
COLORADO	2.4	3.3	1.6	1.9	3.9	4.7	1.0	1.4	2.4	2.5
CONNECTICUT	2.3	2.6	1.5	1.7	2.6	2.9	1.0	1.1	1.1	1.2
Bridgeport	2.2	2.2	1.6	1.6	2.2	2.2	1.0	1.0	.8	.7
Hartford	1.8	1.9	1.4	1.5	2.2	2.4	.9	.8	.8	1.1
New Britain	2.2	2.6	1.5	1.7	2.3	4.0	.8	1.2	.7	1.6
New Haven	2.1	2.5	1.5	1.5	2.8	2.7	1.1	.9	1.1	1.0
Stamford	1.8	2.2	1.4	2.0	2.3	2.7	1.0	1.1	.9	.9
Waterbury	1.7	2.4	.9	.8	3.1	2.6	1.2	1.1	1.5	1.1
DELAWARE ¹	2.3	2.0	1.2	1.1	2.4	3.2	.8	.7	.9	1.8
Wilmington ^{1 2}	1.8	1.8	1.0	.8	2.2	2.4	.6	.6	.9	1.1
DISTRICT OF COLUMBIA:										
Washington	2.2	2.7	2.1	2.2	3.3	3.1	1.5	1.4	1.1	.7
FLORIDA	4.2	5.2	3.3	3.9	5.5	4.7	2.2	2.2	2.6	1.8
Jacksonville	5.4	5.4	4.1	3.4	4.4	4.1	3.3	1.8	.7	1.7
Miami	4.9	6.6	4.1	5.0	3.6	4.4	1.9	2.0	.9	1.5
Tampa-St. Petersburg	6.1	4.6	4.2	2.7	5.2	7.0	2.2	2.3	2.1	3.9
GEORGIA	3.6	3.8	2.7	2.8	3.5	3.7	1.8	1.8	1.0	1.1
Atlanta ³	3.2	3.4	2.6	2.7	3.0	3.1	1.4	1.6	1.0	.7
HAWAII ⁴	3.3	4.2	1.5	1.5	3.4	4.4	.8	1.0	.6	.6
IDAHO ⁵	4.8	4.5	3.0	2.9	4.5	6.9	1.8	1.5	2.2	4.6
INDIANA ¹	2.9	3.0	1.8	1.7	2.7	3.2	.9	.9	1.3	1.7
Indianapolis ⁶	2.1	2.2	1.4	1.6	2.2	1.9	.9	.8	.8	.6
IOWA	2.8	2.9	1.7	1.6	3.3	3.1	1.0	1.1	1.9	1.6
Des Moines	4.8	3.1	1.9	1.8	2.4	4.4	1.3	1.6	.6	2.2
KANSAS	3.5	3.1	2.5	2.0	3.0	3.4	1.2	1.2	1.3	1.5
Topeka	2.4	2.9	2.1	2.2	1.8	2.3	1.0	1.1	.1	.3
Wichita	3.3	2.0	2.4	1.6	2.2	2.7	1.2	1.1	.5	1.1
KENTUCKY	3.7	4.7	1.8	2.2	4.7	4.0	1.0	1.1	3.1	2.3
Louisville	2.4	2.7	1.4	1.6	2.3	2.4	.7	.7	1.0	1.1
LOUISIANA	2.7	3.1	1.4	1.5	3.1	7.9	.8	1.0	1.8	6.3
New Orleans ⁷	3.7	4.7	1.9	2.0	3.9	5.1	.8	1.2	2.6	3.2
MAINE	4.7	5.3	2.6	3.4	5.1	7.0	1.7	2.2	2.7	4.0
Portland	3.0	3.6	2.6	2.3	3.0	3.1	1.0	1.3	1.1	1.0
MARYLAND	3.4	3.6	1.6	1.7	3.7	4.3	1.0	1.1	2.2	2.6
Baltimore	3.4	3.4	1.4	1.6	3.6	4.2	.9	1.0	2.2	2.7

See footnotes at end of table.
NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**
Table D-5: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)				Separation rates					
	Accession rates				Total		Quits		Layoffs	
	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964
MASSACHUSETTS	3.1	3.2	2.0	1.9	2.9	3.8	1.1	1.2	1.1	1.8
Boston.....	2.9	3.0	1.8	1.7	3.2	4.3	1.1	1.2	1.3	2.1
Fall River.....	5.3	4.4	3.1	2.7	3.9	4.8	1.4	1.3	1.8	2.8
New Bedford.....	4.3	4.9	2.6	2.3	3.7	5.3	1.5	1.2	1.4	3.4
Springfield-Chicopee-Holyoke.....	2.6	3.0	1.7	1.6	1.8	2.7	.7	1.0	.5	1.1
Worcester.....	2.8	2.9	1.9	2.1	2.5	3.1	.9	1.3	.9	1.2
MICHIGAN	2.7	2.8	1.3	1.3	3.0	3.4	.5	.6	1.3	1.2
Detroit.....	2.3	2.4	1.1	1.2	2.6	2.8	.5	.6	1.0	1.0
Grand Rapids.....	3.1	3.1	1.4	1.6	5.4	3.7	.8	.9	3.2	1.4
Lansing.....	2.6	2.3	1.3	1.2	2.6	3.2	.3	.4	.6	1.0
Muskegon-Muskegon Heights.....	2.7	3.4	1.1	1.8	2.7	2.7	1.1	1.2	.9	.7
Saginaw.....	4.3	4.9	2.2	2.3	3.4	3.3	.4	.4	.2	.3
MINNESOTA	3.7	4.2	1.5	1.8	4.1	4.6	.9	1.1	2.5	2.9
Duluth-Superior.....	4.9	8.0	2.9	5.1	3.0	6.7	.8	1.0	1.6	5.2
Minneapolis-St. Paul.....	4.0	4.6	1.6	1.8	3.6	5.0	.9	1.0	1.8	3.2
MISSISSIPPI	4.3	4.7	2.9	2.6	3.8	4.4	1.6	1.7	1.4	1.9
Jackson.....	4.0	3.0	3.0	2.4	3.2	4.0	1.5	1.3	.9	1.3
MISSOURI	3.0	3.1	1.8	1.8	3.1	3.2	1.1	1.2	1.4	1.4
Kansas City.....	3.5	3.5	2.4	2.4	3.1	3.2	1.3	1.3	1.3	1.4
St. Louis.....	2.5	2.9	1.4	1.3	2.9	3.2	.9	1.0	1.5	1.7
MONTANA ⁵	3.3	3.4	2.5	2.1	3.5	3.5	1.4	1.4	1.0	.9
NEBRASKA	3.0	3.7	1.9	2.3	3.5	6.1	1.4	1.5	1.4	4.0
NEVADA	3.1	4.0	2.8	3.6	4.5	4.0	2.2	1.9	1.4	1.1
NEW HAMPSHIRE	3.5	4.0	2.5	2.7	3.5	4.3	1.6	1.8	1.3	1.8
NEW MEXICO	4.1	3.9	3.3	3.1	4.6	4.7	1.6	1.8	1.4	1.5
Albuquerque.....	2.8	3.5	2.5	2.4	4.0	2.7	1.5	1.3	.9	.7
NEW YORK	4.1	4.1	2.3	2.0	3.3	4.6	.9	1.0	1.7	2.8
Albany-Schenectady-Troy.....	2.0	2.3	.9	1.1	2.3	3.1	.5	.7	.9	1.3
Binghamton.....	2.1	2.2	1.5	1.1	1.6	1.7	.8	.7	.2	.4
Buffalo.....	2.5	2.9	1.0	1.1	2.5	3.6	.5	.5	1.6	2.6
Elmira.....	2.4	2.5	1.3	1.3	2.8	4.7	.8	.7	1.3	3.4
Wassau and Suffolk Counties.....	3.0	2.8	1.9	1.6	3.2	4.6	.9	1.1	1.8	2.8
New York City.....	5.4	5.3	3.4	2.7	3.9	5.5	1.1	1.3	1.9	3.4
Rochester.....	2.0	2.0	1.6	1.4	2.3	3.0	.8	.9	1.2	1.5
Syracuse.....	2.1	2.1	1.0	1.1	2.3	3.1	.8	.8	.9	1.8
Utica-Rome.....	3.4	4.3	1.1	1.2	3.6	4.1	.7	.7	2.5	2.8
Westchester County.....	4.2	4.4	2.3	2.4	3.5	4.0	1.1	1.1	1.8	2.2
NORTH CAROLINA	2.8	3.0	2.2	2.3	3.0	3.2	1.6	1.7	.9	.8
Charlotte.....	2.8	2.6	2.4	2.2	2.6	3.6	1.6	1.9	.5	.8
Greensboro-High Point.....	3.3	3.7	3.0	3.3	3.4	3.5	2.1	2.2	.7	.5
NORTH DAKOTA	2.2	3.3	1.4	2.4	1.9	2.7	1.1	1.1	.3	1.3
Fargo-Moorhead.....	1.4	3.3	.9	2.5	15.8	2.6	1.1	1.0	14.6	1.2
OHIO	2.7	2.9	1.4	1.3	2.4	2.9	.7	.7	1.1	1.6
Akron.....	1.9	1.9	1.1	1.0	1.9	2.5	.5	.5	.6	1.5
Canton.....	3.7	4.4	1.8	1.7	3.0	3.2	.8	.7	1.1	1.8
Cincinnati.....	2.0	2.3	1.0	1.0	2.1	3.0	.6	.7	1.1	1.7
Cleveland.....	2.6	2.8	1.7	1.7	2.4	2.7	.8	.8	1.0	1.3
Columbus.....	2.6	2.4	1.5	1.4	2.5	3.1	.8	.8	1.2	1.6
Dayton.....	2.1	2.1	1.5	1.2	2.2	2.1	.8	.6	.7	.8
Toledo.....	2.2	3.0	1.2	1.5	3.7	3.0	.6	.6	2.5	1.6
Youngstown-Warren.....	3.5	5.4	1.3	1.0	1.7	3.4	.5	.5	.5	2.1
OKLAHOMA ⁸	3.0	3.5	2.3	2.9	3.0	4.3	1.2	1.8	1.3	1.9
Oklahoma City.....	4.1	3.4	3.2	2.5	2.9	3.8	1.6	1.7	.8	1.5
Tulsa ⁸	4.0	4.0	3.8	3.8	3.6	4.2	1.6	1.9	1.5	1.8
OREGON ¹	4.9	4.5	3.7	3.4	4.5	5.7	1.7	1.8	2.2	3.0
Portland ¹	4.5	4.0	3.3	2.9	3.9	5.6	1.2	1.4	2.1	3.7

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

Table D-5: Labor turnover rates in manufacturing for selected States and areas--Continued

State and area	(Per 100 employees)				Separation rates					
	Accession rates				Total		Quits		Layoffs	
	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964	Feb. 1964	Jan. 1964
PENNSYLVANIA:										
Allentown-Bethlehem-Easton.....	3.7	3.6	1.6	1.7	3.0	3.3	0.9	0.8	1.8	1.9
Erie.....	3.8	3.4	1.7	1.3	2.3	3.3	.5	.6	1.1	2.0
Lancaster.....	2.7	2.4	1.8	1.7	1.8	2.5	.9	1.0	.6	1.0
Philadelphia.....	2.5	2.6	1.3	1.2	2.6	3.3	.6	.7	1.5	2.0
Pittsburgh.....	2.9	3.2	1.0	1.0	1.7	2.3	.3	.3	.9	1.4
Reading.....	2.5	2.8	1.6	1.7	4.0	3.6	1.1	1.0	2.5	2.1
Scranton.....	3.5	5.3	1.8	2.0	3.8	4.2	1.1	1.1	2.2	2.7
York.....	3.3	3.0	1.8	1.8	3.2	3.3	.9	1.1	2.0	1.8
RHODE ISLAND.....	4.8	4.6	2.7	2.6	4.5	5.2	1.6	1.6	2.1	2.7
Providence-Pawtucket.....	4.6	4.5	2.8	2.4	4.4	4.8	1.6	1.6	2.0	2.4
SOUTH CAROLINA⁹.....	3.3	3.2	2.4	2.3	2.9	3.5	1.8	1.9	.6	.9
Charleston.....	6.2	5.2	3.7	3.1	4.2	4.6	1.4	1.6	2.1	1.6
SOUTH DAKOTA.....	4.5	4.1	2.6	1.9	6.0	5.7	1.4	1.7	4.3	3.6
Sioux Falls.....	5.6	4.5	2.8	1.0	7.1	4.6	1.1	1.9	5.7	2.4
TENNESSEE.....	2.1	3.5	1.4	1.8	2.3	2.9	1.0	1.0	.8	1.4
Chattanooga ⁷	2.2	2.2	1.5	1.1	1.8	3.0	.7	.8	.6	1.7
Knoxville.....	1.1	2.1	.6	1.4	1.3	2.0	.5	.8	.5	.7
Memphis.....	3.7	3.9	2.8	2.7	3.2	3.8	1.3	1.2	1.1	1.6
Nashville.....	2.8	2.5	2.2	1.8	2.2	3.3	1.3	1.3	.6	1.6
TEXAS¹⁰.....	3.1	3.4	2.2	2.4	2.7	3.4	1.4	1.6	.7	1.1
Dallas ¹⁰	3.4	3.6	2.7	2.9	3.0	4.0	1.7	1.9	.7	1.5
Fort Worth ¹⁰	4.1	4.1	3.2	2.7	2.5	3.3	1.6	1.7	.5	1.1
Houston ¹⁰	2.8	2.7	2.1	2.3	2.3	2.6	1.2	1.1	.5	.8
San Antonio ¹⁰	2.4	3.4	1.6	2.5	1.8	3.3	1.1	1.7	.4	.9
UTAH⁵.....	3.2	3.1	1.8	2.0	3.9	5.0	1.3	1.8	2.0	2.4
VERMONT.....	2.2	2.5	1.5	1.5	2.7	3.8	.8	.9	1.3	2.1
Burlington.....	2.8	1.7	1.7	1.4	4.1	6.8	1.1	1.0	2.3	5.2
Springfield.....	2.0	2.1	1.8	1.7	1.8	1.4	.5	.5	.9	.3
VIRGINIA.....	3.3	3.3	2.4	2.3	3.4	3.5	1.4	1.4	1.4	1.4
Worfolk-Portsmouth.....	4.4	3.0	2.9	2.2	3.0	3.3	1.1	1.3	1.1	1.4
Richmond.....	3.0	3.5	2.5	2.6	3.5	3.4	1.5	1.3	1.3	1.2
Roanoke.....	2.2	2.2	1.8	1.3	3.0	2.9	1.1	1.6	1.0	.8
WASHINGTON¹¹.....	3.7	3.3	2.4	2.0	3.8	4.6	1.3	1.4	1.8	2.4
Seattle ¹¹	3.1	2.9	1.9	1.5	4.0	4.5	1.3	1.3	2.0	2.4
Spokane ¹¹	6.1	4.0	3.6	1.7	3.4	4.3	.7	.9	2.1	2.8
Tacoma ¹¹	4.1	4.3	2.5	2.9	3.8	4.9	1.0	1.3	2.4	3.1
WEST VIRGINIA.....	2.8	2.7	1.2	1.1	2.2	2.8	.6	.6	1.0	1.5
Charleston.....	1.6	1.5	1.1	.9	1.1	1.6	.4	.5	.4	.6
Huntington-Ashland.....	2.3	2.6	1.2	1.0	1.9	2.0	.5	.6	1.2	1.0
Wheeling.....	4.3	2.1	.6	.5	1.7	2.8	.4	.3	.8	2.1
WISCONSIN.....	4.2	3.0	1.7	1.7	2.5	5.2	.9	1.0	1.0	3.5
Green Bay.....	1.5	.9	.9	.7	1.5	3.0	.5	.5	.6	2.3
Kenosha.....	2.4	1.3	.5	.6	2.3	7.9	.4	.4	1.6	7.2
La Crosse.....	4.4	5.8	1.5	1.4	2.9	7.8	1.7	1.2	.7	6.2
Madison.....	2.7	3.2	1.3	1.5	2.9	3.8	1.0	1.4	1.6	2.0
Milwaukee.....	5.6	2.5	1.6	1.6	2.2	6.9	.8	1.0	.8	5.2
Racine.....	4.5	4.4	2.7	2.8	3.0	3.7	1.5	1.5	.8	1.4
WYOMING⁵.....	2.6	2.5	2.2	2.0	4.0	4.4	1.4	1.4	2.0	1.9

¹ Excludes canning and preserving.

² Area definition revised as follows:

Wilmington.....New Castle County, Delaware; Cecil County, Maryland; Salem County, New Jersey.

³ Excludes agricultural chemicals and miscellaneous manufacturing.

⁴ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁵ Excludes canning and preserving, and sugar.

⁶ Excludes canning and preserving, and newspapers.

⁷ Excludes printing and publishing.

⁸ Excludes new-hire rate for transportation equipment.

⁹ Excludes tobacco stemming and redrying.

¹⁰ Excludes canning and preserving, sugar, and tobacco.

¹¹ Excludes canning and preserving, printing and publishing.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

Technical Note

Additional information concerning the preparation of the labor force, employment, hours and earnings, and labor turnover series--concepts and scope, survey methods, and limitations--is contained in technical notes for each of these series, available from the Bureau of Labor Statistics free of charge. Use order blank on page 13-E.

INTRODUCTION

The statistics in this periodical are compiled from two major sources: (1) household interviews and (2) payroll reports from employers.

Data based on household interviews are obtained from a sample survey of the population. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides a comprehensive measure of the labor force, i.e., the total number of persons 14 years of age and over who are employed or unemployed. It also provides data on their personal and economic characteristics such as age, sex, color, marital status, occupations, hours of work, and duration of unemployment. The information is collected by trained interviewers from a sample of about 35,000 households throughout the country and is based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment payroll records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The payroll survey provides detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas.

The figures are based on payroll reports from a sample of establishments employing about 25 million nonfarm wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month.

Relation between the household and payroll series

The household and payroll data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The factors which have a differential effect on levels and trends of the two series are described as follows:

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both farm and nonfarm industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonfarm establishments.

Multiple jobholding. The household approach provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

Unpaid absences from jobs. The household survey includes among the employed all persons who had jobs but were not at work during the survey week--that is, were not working or looking for work but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, whether or not they were paid by their employers for the time off. In the figures based on payroll reports, persons on paid sick leave, paid vacation, or paid holiday are included, but not those on leave without pay for the entire payroll period.

Hours of Work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

Comparability of the household interview data with other series

Unemployment insurance data. The unemployed total from the household survey includes all persons who did

not work at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Bureau of Employment Security of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, State and local government, domestic service, self-employed, unpaid family work, nonprofit organizations, and firms below a minimum size).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation, but are classified as employed rather than unemployed in the household survey.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 14 in the Agricultural Marketing Service (AMS) series and the treatment of dual jobholders who are counted more than once if they worked on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

Comparability of the payroll employment data with other series

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes contract construction, professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

County Business Patterns. Data in County Business Patterns, published jointly by the U.S. Departments of Commerce and Health, Education, and Welfare, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

Employment covered by State unemployment insurance programs. Not all nonfarm wage and salary workers are covered by the unemployment insurance programs. All workers in certain activities, such as interstate railroads, are excluded. In addition, small firms in covered industries are also excluded in 32 States. In general, these are establishments with less than four employees.

Labor Force Data

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other economic characteristics of employed and unemployed persons, and related labor force data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). (A detailed description of this survey appears in *Concepts and Methods Used in the Current Employment and Unemployment Statistics Prepared by the Bureau of the Census, U.S. Bureau of the Census, Current Population Reports, Series P-23, No. 5*. This report is available from BLS on request.)

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population 14 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 14 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 14 years of age are not covered in the regular monthly enumera-

tions and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Until August 1962, the sample for CPS was spread over 333 areas. Between August 1962 and March 1963, the number of sample areas was increased to 357, comprising 701 counties and independent cities, with coverage in 50 States and the District of Columbia. This revision takes account of the changes in population distribution and characteristics shown by the 1960 Census. The number of households remains unchanged at 35,000.

Each month, 35,000 occupied units are designated for interview. About 1,500 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 35,000 occupied units there are 5,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for approximately three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

CONCEPTS

Employed Persons comprise (a) all those who during the survey week did any work at all either as paid employees, or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers on a farm or in a business operated by a member of the family, and (b) all those who were not working or looking for work but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, or labor-management dispute, or because they were taking time off for various other reasons, whether or not they were paid by their employers for the time off.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy (e.g., Mexican migratory farm workers).

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed Persons comprise all persons who did not work at all during the survey week and were looking for work, regardless of whether or not they were eligible for unemployment insurance. Also included as unemployed are those who did not work at all and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days (and were not in school during the survey week); or (c) would have been looking for work except that they were temporarily ill or believed no work was available in their line of work or in the community. Persons in this latter category will usually be residents of a community in which there are only a few dominant industries which were shut down during the survey week. *Not* included in this category are persons who say they were not looking for work because they were too old, too young, or handicapped in any way.

The Unemployment Rate represents the number unemployed as a percent of the civilian labor force, i.e., the sum of the employed and unemployed. This measure can also be computed for groups within the labor force classified by sex, age, marital status, color, etc. When applied to industry and occupation groups, the labor force base for the unemployment rate also represents the sum of the employed and the unemployed, the latter classified according to industry and occupation of their latest full-time civilian job.

Duration of Unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work or would have been looking for work except for temporary illness, or belief that no work was available in their line of work or in the community. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of

their most recent employment. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

The Civilian Labor Force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

Not in Labor Force includes all civilians 14 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

Occupation, Industry, and Class of Worker apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1960 Census of Population. Information on the detailed categories included in these groups is available upon request.

The industrial classification system used in the Census of Population and the current Population Survey differs somewhat from that used by the BLS in its reports on employment, by industry. Employment levels by industry from the household survey, although useful for many analytical purposes, are not published in order to avoid public misunderstanding since they differ from the payroll series because of differences in classification, sampling variability, and other reasons. The industry figures from the household survey are used as a base for published distributions on hours of work, unemployment rates, and other characteristics of industry groups such as age, sex, and occupation.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

Hours of Work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Veterans Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Persons who worked 35 hours or more in the survey week are designated as working "full time"; persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work and full-time worker only during peak season.

ESTIMATING METHODS

The estimating procedure is essentially one of using sample results to obtain percentages of the population in a given category. The published estimates are then obtained by multiplying these percentage distributions by independent estimates of the population. The principal steps involved are shown below. Under the estimation methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability for other reasons. This adjustment is made separately by groups of sample areas and, within these, for six groups—color (white and non-white) within the three residence categories (urban, rural nonfarm, and rural farm). The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, color, sex, and residence. Since these population characteristics are closely correlated with laborforce participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* This is the procedure in which the sample proportions are weighted by the known 1960 Census data on the color-residence distribution of the population. This step takes into account the differences existing at the time of the 1960 Census between the color-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample proportions are weighted by independent

current estimates of the population by age, sex, and color. These estimates are prepared by carrying forward the most recent census data (1960) to take account of subsequent aging of the population, mortality, and migration between the United States and other countries.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability especially of month-to-month changes but also of the levels for most items.

Reliability of the Estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year to year change.

Table A. Average standard error of major employment status categories

Employment status and sex	(In thousands)	
	Average standard error of--	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force and total employment	250	180
Agriculture	200	120
Nonagricultural employment.	300	180
Unemployment	100	100
MALE		
Labor force and total employment	120	90
Agriculture	180	90
Nonagricultural employment.	200	120
Unemployment	75	90
FEMALE		
Labor force and total employment	180	150
Agriculture	75	55
Nonagricultural employment.	180	120
Unemployment	65	65

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Table B. Standard error of level of monthly estimates

(In thousands)						
Size of estimate	Both sexes		Male		Female	
	Total or white	Non-white	Total or white	Non-white	Total or white	Non-white
10	5	5	7	5	5	5
50	11	10	14	10	10	10
100	15	14	20	14	14	14
250	24	21	31	21	22	21
500	34	30	43	30	31	30
1,000	48	40	60	40	45	40
2,500	75	50	90	50	70	50
5,000	100	50	110	...	100	...
10,000	140	...	140	...	130	...
20,000	180	...	150	...	170	...
30,000	210	...	...	...	...	...
40,000	220	...	...	...	...	...

Illustration: Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 160,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 160,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 160,000 as the

standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 135,000.

Table C. Standard error of estimates of month-to-month change

(In thousands)		
Standard error of monthly level	Standard error of month-to-month change	
	Estimates relating to agricultural employment	All estimates except those relating to agricultural employment
10	14	12
25	35	26
50	70	48
100	100	90
150	110	130
200	250	160
250 .....	...	190
300 .....	...	220

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D.

Table D. Standard error of percentages

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
150 ...	1.0	1.4	2.2	3.0	3.5	4.0	4.2	4.7	4.9
250 ...	.8	1.1	1.7	2.3	2.8	3.1	3.4	3.7	3.9
500 ...	.6	.8	1.2	1.7	2.0	2.2	2.4	2.6	2.8
1,000 ..	.4	.5	.9	1.2	1.4	1.6	1.7	1.9	1.9
2,000 ..	.3	.4	.6	.8	1.0	1.1	1.2	1.3	1.4
3,000 ..	.2	.3	.5	.7	.8	.9	1.0	1.1	1.1
5,000 ..	.2	.2	.4	.5	.6	.7	.8	.8	.9
10,000 .	.1	.2	.3	.4	.4	.5	.5	.6	.6
25,000 .	.1	.1	.2	.2	.3	.3	.3	.4	.4
50,000 .	.1	.1	.1	.2	.2	.2	.2	.3	.3
75,000 .	.1	.1	.1	.1	.2	.2	.2	.2	.2

Establishment Data

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in nonfarm establishments, by industry and geographic location.

Federal-State Cooperation

Under cooperative arrangements with State agencies, the respondent fills out only one employment or labor turnover schedule, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents and, together with the use of identical techniques at the national and State levels, insures maximum geographic comparability of estimates.

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 for use in preparing the national series.

Shuttle Schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The schedule is returned to the respondent each month by the collecting agency so that the next month's data can be entered. This procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

The BLS 790 provides for entry of data on the number of full- and part-time workers, on the payrolls of non-agricultural establishments and, for most industries, payroll and man-hours of production and related workers or nonsupervisory workers for the pay period which most nearly coincides with the *standard survey reference week* (the calendar week, Sunday through Saturday, which includes the 12th of the month). The labor turnover schedule provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

CONCEPTS

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 on an industry class supplement to the monthly 790 or 1219 report. In the case of an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

All national, State, and area employment, hours, earnings, and labor turnover series are classified in accordance with the *Standard Industrial Classification Manual*, Bureau of the Budget, 1957. Since many of the published industry series represent combinations of SIC industries, the BLS has prepared a *Guide to Employment Statistics of BLS, 1961* which specifies the SIC code or codes covered by each industry title listed in *Employment and Earnings*. In addition, the *Guide* provides industry definitions and lists the beginning date of each series. The *Guide* is available free upon request.

Industry Employment

Employment data for all except the Federal Government refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period, or who are hired but do not report to work during the period.

Industry Hours and Earnings

Hours and earnings data are derived from reports of payrolls and man-hours for production and related workers, construction workers, or nonsupervisory employees. These terms are defined below. When the pay period reported is longer than 1 week, the figures are reduced to a weekly basis.

Production and related workers include working foremen and all nonsupervisory workers (including leadmen and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers relate to the following employees in the contract construction division: Working foremen, journeymen, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in pay period reported (e.g., retroactive pay), and the value of free rent, fuel, meals, or other payment in kind are excluded.

Man-hours cover man-hours worked or paid for, during the pay period which includes the 12th of the month, for production, construction, and nonsupervisory workers. The man-hours include hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover premium overtime hours of production and related workers during the pay period which includes the 12th 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.

Gross Average Hourly and Weekly Earnings

Average hourly earnings for manufacturing and non-manufacturing industries are on a "gross" basis, reflecting 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 plan. Shifts in the volume of employment 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 are the actual return to the worker for a stated period of time, while rates are the amounts stipulated for a given unit of work or time. The earnings series, however, 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 derived by multiplying average weekly hours by average hourly earnings. Therefore, 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 the average hours for which pay was received, and is different from standard or scheduled hours. 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 establishment. 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 worked 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, 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 at 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.

Railroad Hours and Earnings

The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees who received pay during the month, except executives, officials, and staff assistants (ICC group I). Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable Average Weekly Earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated 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, spendable earnings are computed for a worker with no dependents, and a worker with three dependents. The computations are based on the gross average weekly earnings for all production or nonsupervisory workers in the industry division without regard to marital status, family composition, or total family income.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. The resulting level of earnings expressed in 1957-59 dollars is thus adjusted for changes in purchasing power since the base period.

Average Hourly Earnings Excluding Overtime

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, these 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). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Payrolls and Man-Hours

The indexes of aggregate weekly payrolls and man-hours are prepared by dividing the current month's aggregate by the monthly average for the 1957-59 period. The man-hour aggregates are the product of average weekly hours and production-worker employment, and the payroll aggregates are the product of gross average weekly earnings and production-worker employment.

Labor Turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided 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. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from another establishment of the company.

Separations are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, as defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

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 refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

ESTIMATING METHODS

The principal features of the estimating procedure used to prepare estimates of employment for the industry statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of a modified cutoff type of sample.

The "Link Relative" Technique

From a sample of establishments, which report for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." Other features of the general procedures used for estimating industry employment, hours, earnings, and labor turnover statistics are described in the table on page 12-E. Further details are given in the technical notes on *Measurement of Employment, Hours, and Earnings in Nonagricultural Industries* and on *Measurement of Labor Turnover*, which are available upon request.

A number of industries are stratified by size of establishment and/or by region, and the stratified production- or nonsupervisory-worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods on page 12-E, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark Adjustments

Employment estimates are periodically compared with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1962 levels; normally, benchmark adjustments are made annually.

The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations, covering three-fourths of the total nonfarm employment in the United States, are prepared under the direction of the Bureau of Employment Security. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, 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.

Data for all months between the previous benchmark and the month in which the adjusted series is published are therefore subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics. The current volume in this series is *Employment and Earnings Statistics for the United States, 1909-62*, Bulletin 1312-1 (1963), and contains monthly statistics from the earliest date of availability through May 1963.

THE SAMPLE

Design

The sample design used in the BLS establishment employment and labor turnover statistics programs is that of a modified cutoff sample. In a cutoff design, all establishments in a category are listed in sequence by number of employees. A cutoff point is selected in terms of the number of employees in an establishment, and only establishments above the cutoff point are included in the design. At present, sample selection is made by the cooperating State agencies at the area level with supplementation for establishments in sections of the State lying outside of the defined areas. The national sample therefore is then the sum of all the State samples.

In cutoff sampling, the general objective is to obtain a sample comprising a large enough proportion of universe employment so that satisfactory estimates can be prepared. Since employer participation in the BLS programs is voluntary, some establishments above the cutoff may decline to report. To replace these in the design, reports are solicited from the next largest establishments below the cutoff until the desired employment

coverage is attained. In addition, to meet the needs of preparing estimates of weekly hours and hourly earnings, procedures were introduced to secure representation of the smaller establishments in each industry. Because of this procedure, and also because sampling takes place primarily at the level of the metropolitan areas, which vary greatly in size, the sample includes a considerable number of small establishments, together with a very substantial proportion of the larger establishments in American industry.

In the context of the BLS employment and labor turnover statistics program, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail. The tendency of such a sample to produce biased estimates of the level of earnings for certain industries is counteracted by the stratified estimating procedure described under "Estimating Methods."

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. The table that follows 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, March 1962¹

Industry division	Employees	
	Number reported	Percent of total
Mining	301,000	47
Contract construction	581,000	23
Manufacturing	10,767,000	65
Transportation and public utilities:		
Railroad transportation (ICC)	775,000	97
Other transportation and public utilities	1,622,000	53
Wholesale and retail trade	2,212,000	20
Finance, insurance and real estate	983,000	36
Service and miscellaneous	1,362,000	18
Government:		
Federal (Civil Service Commission) ²	2,294,000	100
State and local	3,414,000	50

¹Since a few establishments do not report payroll and man-hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

²State and area estimates of Federal employment are based on reports from a sample of Federal establishments, collected through the BLS-State cooperative program.

The table below shows the approximate coverage, in terms of employment, of the labor turnover sample.

Approximate size and coverage of BLS labor turnover sample, March 1962

Industry	Employees	
	Number reported	Percent of total
Manufacturing	8,492,000	51
Metal mining	58,000	68
Coal mining	59,000	37
Communications:		
Telephone	563,000	82
Telegraph	27,000	72

Reliability of the Employment Estimate

One measure of the reliability of an employment estimate projected from a benchmark is the amount by which it differs from the new benchmark at the next adjustment period. The BLS uses this criterion instead of the standard error of the estimates, since it is not possible to compute a mathematically precise statement of error unless the estimates are based on a probability sample. An approximation of the accuracy of the BLS employment estimates is shown by the following table:

Nonagricultural payroll employment estimates, by industry division, as a percentage of the benchmark for recent years

Industry division	1959 ¹	1961	1962
Total	99.4	100.0	99.3
Mining	96.2	99.4	99.2
Contract construction	95.1	99.9	93.9
Manufacturing	99.1	99.7	99.4
Transportation and public utilities	100.2	100.7	100.4
Wholesale and retail trade ..	100.8	100.5	100.1
Finance, insurance, and real estate	98.8	101.0	99.9
Service and miscellaneous ..	98.5	99.4	98.0
Government	100.0	100.0	100.0

¹Excludes adjustment caused by revision to 1957 SIC and by categories of employees not previously included in estimates.

For some detailed industries, the relative size of the correction to benchmarks is somewhat greater than is indicated for the major industry divisions in the preceding table.

The high degree of reliability of BLS estimates is due to the relatively large percentage of the employment universe covered by the sample, the frequent adjustments of employment estimates to benchmark levels, and the use of special techniques, such as stratification by size and/or region.

Differences between the benchmarks and the estimates, as well as the sampling and response errors, result from changes in the industrial classification of individual establishments (resulting from changes in their product), which are not reflected in the levels of estimates until the data are adjusted to new benchmarks. At more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments; however, it becomes of less importance at broader aggregations of industries. Another cause of differences, generally minor, between the estimates and the benchmark arises from improvements in the quality of benchmark data.

For the most recent months, national estimates of employment, hours, and earnings are preliminary, and are so footnoted in the tables. These particular figures are based on less than the full sample and consequently are subject to revisions when all the reports in the sample have been received. Studies of these revisions of preliminary estimates in the past indicate that they have been relatively small (and most frequently upward) for employment, and even smaller for hours and earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas, as defined in the Annual Supplement Issue of *Employment and Earnings*. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

Users of State and area employment, hours, and earnings statistics may be interested in *Employment and Earnings Statistics for States and Areas, 1939-62*, BLS Bulletin 1370. For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented from the earliest date of availability of each series through 1962.

Seasonal Adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but, in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment method used for these series is an adaptation of the standard ratio-to-moving average method, with a provision for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description and illustration of the basic method was published in the August 1960 *Monthly Labor Review*, and a revised version is described in the 1962 Report of the President's Committee to Appraise Employment and Unemployment Statistics, *Measuring Employment and Unemployment*, Appendix G, "The Bureau of Labor Statistics Seasonal Factor Method."

For establishment data, the seasonally adjusted series on weekly hours and labor turnover rates for industry groupings are computed by applying factors directly to the corresponding unadjusted series, but seasonally adjusted employment totals for all employees and production workers by industry divisions are obtained by summing the seasonally adjusted data which are published for component industries. Seasonally adjusted aggregate weekly man-hours for mining, contract construction, and the major industries in manufacturing are obtained by multiplying average weekly hours, seasonally adjusted, by production workers, seasonally adjusted. For total, manufacturing, and

durable and nondurable goods, aggregate weekly man-hours, seasonally adjusted, are obtained by summing the aggregate weekly man-hours, seasonally adjusted, for the appropriate component industries.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Post Office Department in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Post Office Department. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based. Factors currently in use for the establishment data are shown in the September 1963 *Employment and Earnings*, and revisions will be made coincidental with the adjustment of series to new benchmark levels.

For each of the three major labor force components—agricultural and nonagricultural employment, and unemployment—data for four age-sex groups (male and female workers under age 20, and age 20 and over) are separately adjusted for seasonal variation and are then added to give seasonally adjusted total figures. In order to produce seasonally adjusted total employment and civilian labor force data, the appropriate series are aggregated. The seasonally adjusted rate of unemployment is derived by dividing the seasonally adjusted figure for total unemployment (the sum of four seasonally adjusted age-sex components) by the figure for the seasonally adjusted civilian labor force (the sum of twelve seasonally adjusted age-sex components).

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1963 are published in the February 1964 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

**Summary of Methods for Computing Industry Statistics
on Employment, Hours, Earnings, and Labor Turnover**

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly Data		
All employees	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 cells.
Production or nonsupervisory workers; women employees .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production-or nonsupervisory-worker estimates, or women estimates, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime man-hours divided by number of production workers.	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	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 cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates (total, men, and women) .	The number of particular actions (e.g., quits) in reporting firms divided by total employment in those firms. The result is multiplied by 100. For men (or women), the number of men (women) who quit is divided by the total number of men (women) employed.	Average, weighted by employment, of the rates for component cells.
Annual Average Data		
All employees and production or nonsupervisory workers .	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate man-hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate man-hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime man-hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime man-hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production- or nonsupervisory-worker employment multiplied by weekly earnings) divided by annual aggregate man-hours.	Annual total of aggregate payrolls divided by annual aggregate man-hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

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CALIFORNIA -Division of Labor Statistics and Research, Department of Industrial Relations,
San Francisco 94101 (Employment). Research and Statistics, Department of Employment,
Sacramento 95814 (Turnover).
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