



# EMPLOYMENT and EARNINGS

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UNITED STATES DEPARTMENT OF LABOR  
W. Willard Wirtz, Secretary

BUREAU OF LABOR STATISTICS  
Ewan Clague, Commissioner

*Prepared under the direction of:*

Harold Goldstein, Assistant Commissioner  
for Manpower and Employment Statistics  
Gertrude Bancroft, Special Assistant  
to the Commissioner of Labor Statistics  
Robert O. Dorman, Chief  
Division of Industry Employment Statistics  
Robert L. Stein, Chief  
Division of Employment and Unemployment Analysis

Editor: Joseph M. Finerty

#### NEW LABOR TURNOVER SERIES

Manufacturing labor turnover rates for the Wilkes-Barre--Hazleton, Pennsylvania area are shown for the first time in table D-5.

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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.

# HOUSEHOLD DATA

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

(In thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed <sup>1</sup>		Unemployed <sup>1</sup>				
					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 <sup>3</sup> .....	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 <sup>4</sup> .....	125,368	73,126	58.3	70,612	66,681	5,723	60,958	3,931	5.6	-	52,242
1961.....	127,852	74,175	58.0	71,603	66,796	5,463	61,333	4,806	6.7	-	53,677
1962 <sup>5</sup> .....	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: 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
May.....	133,866	77,490	57.9	74,742	71,101	5,007	66,094	3,640	4.9	5.1	56,376
June.....	134,041	79,389	59.2	76,645	71,953	5,853	66,100	4,692	6.1	5.3	54,652

<sup>1</sup>Data 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.

<sup>2</sup>Not available.

<sup>3</sup>Beginning 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.

<sup>4</sup>Data 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.

<sup>5</sup>Figures 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.

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 <sup>1</sup>			Unemployed <sup>1</sup>			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
								Not seasonally adjusted	Seasonally adjusted		
<b>MALE</b>											
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	35,460	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 <sup>2</sup> .....	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	-	9,430
1956.....	58,044	48,579	83.7	45,756	43,999	5,268	38,731	1,757	3.8	-	9,465
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 <sup>3</sup> .....	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 <sup>4</sup> .....	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: 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	47,249	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
May.....	64,938	51,294	79.0	48,577	46,510	4,014	42,496	2,067	4.3	4.6	13,644
June.....	65,018	52,813	81.2	50,100	47,470	4,610	42,860	2,630	5.2	4.8	12,205
<b>FEMALE</b>											
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	19,370	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 <sup>2</sup> .....	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 <sup>3</sup> .....	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 <sup>4</sup> .....	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: 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
May.....	68,928	26,196	38.0	26,165	24,591	993	23,598	1,574	6.0	6.2	42,732
June.....	69,024	26,576	38.5	26,545	24,483	1,243	23,240	2,062	7.8	6.2	42,448

<sup>1</sup>See footnote 1, table A-1. <sup>2</sup>See footnote 3, table A-1. <sup>3</sup>See footnote 4, table A-1. <sup>4</sup>See 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		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
Total	134,041	133,866	132,036	65,018	64,938	64,130	69,024	68,928	67,906
Total labor force	79,389	77,490	77,904	52,813	51,294	52,204	26,576	26,196	25,697
Civilian labor force	76,645	74,742	75,165	50,100	48,577	49,500	26,545	26,165	25,665
Employed	71,953	71,101	70,319	47,470	46,510	46,722	24,483	24,591	23,598
Agriculture	5,853	5,007	5,954	4,610	4,014	4,644	1,243	993	1,310
Nonagricultural industries	66,100	66,094	64,365	42,860	42,496	42,078	23,240	23,598	22,287
Unemployed	4,692	3,640	4,846	2,630	2,067	2,779	2,062	1,574	2,067
Looking for full-time work	3,921	3,044	4,083	2,258	1,757	2,402	1,663	1,287	1,681
Looking for part-time work	771	596	763	372	310	377	399	286	386
Not in labor force	54,652	56,376	54,135	12,205	13,644	11,926	42,448	42,732	42,209

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

Age and sex	Thousands of persons			Unemployment rate			Percent distribution		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
Total	4,692	3,640	4,846	6.1	4.9	6.4	100.0	100.0	100.0
Male	2,630	2,067	2,779	5.2	4.3	5.6	56.0	56.8	57.4
14 to 19 years	1,020	599	1,033	19.8	15.3	21.0	21.8	16.5	21.3
14 and 15 years	149	72	202	12.9	8.4	17.0	3.2	2.0	4.2
16 to 19 years	872	527	831	21.8	17.3	22.2	18.6	14.5	17.2
20 to 24 years	440	311	442	8.8	6.7	9.3	9.4	8.5	9.1
25 to 34 years	314	296	351	3.2	3.0	3.5	6.7	8.1	7.2
35 to 44 years	258	265	337	2.3	2.4	3.0	5.5	7.3	7.0
45 to 54 years	293	284	277	2.9	2.8	2.8	6.2	7.8	5.7
55 to 64 years	221	228	256	3.3	3.4	3.9	4.7	6.3	5.3
65 years and over	82	83	83	3.8	3.7	3.7	1.7	2.3	1.7
Female	2,062	1,574	2,067	7.8	6.0	8.1	44.0	43.2	42.6
14 to 19 years	864	477	851	25.5	18.7	26.0	18.4	13.1	17.6
14 and 15 years	90	39	90	15.3	9.6	15.3	1.9	1.1	1.9
16 to 19 years	774	438	762	27.6	20.4	28.3	16.5	12.0	15.7
20 to 24 years	324	280	306	10.1	8.9	10.2	6.9	7.7	6.3
25 to 34 years	255	216	275	6.2	5.1	6.6	5.4	5.9	5.7
35 to 44 years	246	250	248	4.3	4.3	4.5	5.2	6.9	5.1
45 to 54 years	232	205	227	4.1	3.6	4.2	4.9	5.6	4.7
55 to 64 years	106	114	130	3.0	3.2	3.9	2.3	3.1	2.7
65 years and over	36	32	28	3.6	3.0	3.0	.8	.9	.6

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

Industry	Unemployment rate			Percent distribution		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
Total	6.1	4.9	6.4	100.0	100.0	100.0
Experienced wage and salary workers	5.2	4.5	5.5	71.3	77.9	71.9
Agriculture	8.8	6.6	8.2	4.1	3.1	3.7
Nonagricultural industries	5.0	4.4	5.4	67.1	74.8	68.2
Mining, forestry, fisheries	8.3	7.9	6.8	1.1	1.4	1.0
Construction	7.8	7.8	8.7	7.2	8.9	7.4
Manufacturing	4.8	4.6	5.7	19.8	23.7	22.4
Durable goods	4.5	4.2	5.4	10.5	12.4	12.0
Nondurable goods	5.3	5.0	6.1	9.3	11.3	10.3
Transportation and public utilities	2.8	2.7	3.2	2.8	3.3	3.0
Wholesale and retail trade	6.1	5.6	6.4	15.4	17.5	15.2
Finance, insurance, and real estate	3.4	2.0	2.5	2.1	1.6	1.5
Service industries	5.2	3.7	5.3	16.8	15.8	15.7
Public administration	2.4	2.4	2.7	2.0	2.6	2.1
Self-employed and unpaid family workers	.8	.8	.9	1.7	2.2	1.9
No previous work experience	-	-	-	27.0	19.9	26.1
14 to 19 years	-	-	-	23.3	16.8	23.1
20 years and over	-	-	-	3.7	3.1	3.1

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

Occupation	Unemployment rate			Percent distribution		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
Total .....	6.1	4.9	6.4	100.0	100.0	100.0
White-collar workers .....	3.2	2.3	3.2	21.2	20.4	20.2
Professional and technical .....	3.0	1.3	2.9	5.3	3.2	4.9
Managers, officials, and proprietors .....	1.3	1.0	1.4	2.1	2.0	2.1
Clerical workers .....	4.3	3.6	4.1	10.2	10.9	9.2
Sales workers .....	3.7	3.4	4.3	3.7	4.3	4.0
Blue-collar workers .....	5.8	5.5	6.6	34.6	41.6	37.5
Craftsmen and foremen .....	3.2	3.3	3.7	6.6	8.4	7.3
Operatives .....	6.2	6.1	7.3	18.4	22.9	20.3
Nonfarm laborers .....	9.9	8.7	10.6	9.6	10.2	9.9
Service workers .....	6.4	5.6	6.5	13.8	15.5	13.1
Private household workers .....	5.9	5.8	5.9	3.2	4.1	3.0
Other service workers .....	6.5	5.5	6.7	10.6	11.4	10.1
Farm workers .....	2.8	2.0	2.5	3.4	2.6	3.0
Farmers and farm managers .....	.2	.5	.1	.1	.4	(1)
Farm laborers and foremen .....	4.9	3.4	4.5	3.2	2.2	3.0
No previous work experience .....	-	-	-	27.0	19.9	26.2

1 Less than 0.05.

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

Characteristics	Thousands of persons			Unemployment rate			Percent distribution		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
<b>COLOR</b>									
Total .....	4,692	3,640	4,846	6.1	4.9	6.4	100.0	100.0	100.0
White, total .....	3,753	2,895	3,867	5.5	4.4	5.8	80.0	79.5	79.8
Male .....	2,136	1,677	2,223	4.7	3.8	5.0	45.5	46.1	45.9
Female .....	1,617	1,218	1,644	7.1	5.4	7.4	34.5	33.5	33.9
Nonwhite, total .....	939	745	979	10.8	9.0	11.7	20.0	20.5	20.2
Male .....	494	389	556	9.7	8.0	11.2	10.5	10.7	11.5
Female .....	445	356	423	12.3	10.4	12.4	9.5	9.8	8.7
<b>MARITAL STATUS</b>									
Total .....	4,692	3,640	4,846	6.1	4.9	6.4	100.0	100.0	100.0
Male .....	2,630	2,067	2,779	5.2	4.3	5.6	56.0	56.8	57.4
Married, wife present .....	881	847	989	2.4	2.3	2.7	18.8	23.3	20.4
Single .....	1,559	1,002	1,538	15.0	11.3	15.3	33.2	27.5	31.7
14 to 19 years .....	1,008	585	1,014	20.2	15.6	21.3	21.5	16.1	20.9
20 years and over .....	551	417	524	10.1	8.1	9.8	11.7	11.5	10.8
Other marital status .....	189	217	252	7.2	8.6	9.3	4.0	6.0	5.2
Female .....	2,062	1,574	2,067	7.8	6.0	8.1	44.0	43.2	42.6
Married, husband present .....	716	644	682	5.0	4.4	5.0	15.3	17.7	14.1
Single .....	1,022	624	1,056	14.7	10.2	15.7	21.8	17.1	21.8
14 to 19 years .....	803	423	801	26.1	18.8	27.1	17.1	11.6	16.5
20 years and over .....	218	200	255	5.6	5.2	6.8	4.6	5.5	5.3
Other marital status .....	325	306	329	6.1	5.7	6.1	6.9	8.4	6.8
<b>HOUSEHOLD RELATIONSHIP</b>									
Total .....	4,692	3,640	4,846	6.1	4.9	6.4	100.0	100.0	100.0
Household head .....	1,285	1,244	1,440	2.9	2.8	3.2	27.4	34.2	29.7
Living with relatives .....	1,033	999	1,168	2.6	2.5	3.0	22.0	27.4	24.1
Not living with relatives .....	252	246	272	4.9	4.8	5.4	5.4	6.8	5.6
Wife of head .....	673	618	656	4.8	4.3	4.9	14.3	17.0	13.5
Other relative of head .....	2,646	1,716	2,649	16.3	12.4	16.9	56.4	47.1	54.7
Non-relative of head .....	90	63	101	6.3	4.4	6.4	1.9	1.7	2.1

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

Duration of unemployment	Thousands of persons			Percent distribution			Category	Thousands of persons			Percent distribution		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963		June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
<b>Total</b> . . . . .	4,692	3,640	4,846	100.0	100.0	100.0	<b>Total</b> . . . . .	4,692	3,640	4,846	100.0	100.0	100.0
Less than 5 weeks . . . . .	2,781	1,671	2,802	59.3	45.9	57.8	Persons on temporary layoff . . . . .	90	87	71	1.9	2.4	1.5
5 to 14 weeks . . . . .	905	885	1,027	19.3	24.3	21.2							
5 and 6 weeks . . . . .	314	294	310	6.7	8.1	6.4							
7 to 10 weeks . . . . .	360	338	496	7.7	9.3	10.2							
11 to 14 weeks . . . . .	231	252	222	4.9	6.9	4.6							
15 weeks and over . . . . .	1,007	1,084	1,016	21.5	29.8	21.0	Persons scheduled to begin new jobs within 30 days . . . . .	291	97	283	6.2	2.7	5.9
15 to 26 weeks . . . . .	485	556	502	10.3	15.3	10.4							
27 weeks and over . . . . .	522	529	514	11.1	14.5	10.6							
Average (mean) duration . . . . .	11.3	14.7	11.7	-	-	-	All other unemployed . . . . .	4,311	3,456	4,487	91.9	94.9	92.6

**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		
	June 1964	June 1963	June 1964	June 1963	June 1964	June 1963	June 1964	June 1963	
<b>INDUSTRY</b>									
<b>Total</b> . . . . .	21.5	21.0	100.0	100.0	11.1	10.6	100.0	100.0	100.0
Experienced wage and salary workers . . . . .	26.1	25.5	86.6	87.1	13.2	12.7	84.5	85.4	84.4
Agriculture . . . . .	17.5	12.2	3.4	2.2	4.1	8.3	1.5	2.9	2.9
Nonagricultural industries . . . . .	26.6	26.2	83.2	85.0	13.7	12.9	83.0	82.5	81.5
Mining, forestry, fisheries . . . . .	(1)	(1)	3.2	1.7	(1)	(1)	4.2	2.7	.8
Construction . . . . .	23.9	28.3	8.1	9.9	13.3	17.6	8.6	12.2	5.7
Manufacturing . . . . .	31.0	30.6	28.6	32.6	17.5	11.9	31.0	25.0	25.2
Durable goods . . . . .	30.7	35.5	15.0	20.4	16.1	13.6	15.1	15.3	14.3
Nondurable goods . . . . .	31.4	25.0	13.6	12.3	19.0	10.0	15.9	9.7	10.8
Transportation and public utilities . . . . .	29.5	24.5	3.8	3.5	19.4	15.0	4.8	4.3	5.9
Wholesale and retail trade . . . . .	24.3	23.4	17.4	16.9	11.4	11.5	15.7	16.5	15.5
Finance, insurance, and real estate, and service industries . . . . .	21.3	19.5	18.8	15.9	9.9	11.1	16.9	17.9	23.4
Public administration . . . . .	(1)	44.0	3.4	4.3	(1)	20.0	1.7	3.9	5.0
Self-employed and unpaid family workers . . . . .	(1)	(1)	2.3	1.7	(1)	(1)	2.9	1.9	13.9
No previous work experience . . . . .	8.8	9.0	11.1	11.2	5.2	5.1	12.6	12.6	1.7
<b>OCCUPATION</b>									
<b>Total</b> . . . . .	21.5	21.0	100.0	100.0	11.1	10.6	100.0	100.0	100.0
White-collar workers . . . . .	26.9	22.9	26.6	22.1	11.8	11.9	22.6	22.7	41.2
Professional and technical . . . . .	20.6	17.1	5.1	4.0	8.1	11.3	3.8	5.2	10.8
Managers, officials, and proprietors . . . . .	(1)	31.7	3.7	3.1	(1)	10.9	3.1	2.1	9.7
Clerical workers . . . . .	26.1	25.7	12.4	11.2	10.9	13.5	10.0	11.7	14.6
Sales workers . . . . .	31.8	19.4	5.5	3.7	17.3	9.7	5.7	3.7	6.1
Blue-collar workers . . . . .	28.3	28.0	45.7	50.1	16.0	13.2	49.6	46.8	36.5
Craftsmen and foremen . . . . .	30.3	30.5	9.3	10.6	14.5	15.0	8.6	10.3	12.5
Operatives . . . . .	28.2	28.7	24.2	27.8	15.7	12.0	26.1	22.9	18.1
Nonfarm laborers . . . . .	27.2	24.7	12.1	11.7	17.4	14.5	14.9	13.6	5.9
Service workers . . . . .	20.7	23.7	13.3	14.8	11.0	12.3	13.6	15.1	13.2
Private household workers . . . . .	22.1	18.9	3.3	2.7	11.4	9.1	3.3	2.5	3.3
Other service workers . . . . .	20.3	25.1	10.0	12.1	10.8	13.2	10.3	12.6	9.9
Farm workers . . . . .	20.9	12.3	3.3	1.8	5.1	9.6	1.5	2.7	7.3
Farmers and farm managers . . . . .	(1)	-	.4	-	(1)	-	.6	-	3.3
Farm laborers and foremen . . . . .	19.1	12.5	2.9	1.8	3.3	9.7	1.0	2.7	4.1
No previous work experience . . . . .	8.8	9.0	11.1	11.2	5.2	5.1	12.6	12.6	1.7

<sup>1</sup>Percent 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		
	June 1964	June 1963	June 1964	June 1963	June 1964	June 1963	June 1964	June 1963	
<b>AGE</b>									
Total.....	21.5	21.0	100.0	100.0	11.1	10.6	100.0	100.0	100.0
Male.....	23.6	24.1	61.6	65.9	13.3	13.1	67.1	70.5	65.4
14 to 19 years.....	8.5	9.7	8.7	9.8	4.5	4.5	8.8	9.1	6.7
20 to 24 years.....	15.7	24.2	6.9	10.5	8.0	13.3	6.7	11.4	6.5
25 to 44 years.....	32.5	34.8	18.5	23.5	14.3	17.3	15.8	23.1	27.5
45 years and over.....	46.4	36.5	27.6	22.1	31.2	22.6	35.8	26.9	24.6
Female.....	18.8	16.7	38.4	34.1	8.3	7.3	32.9	29.5	34.6
14 to 19 years.....	6.3	5.5	5.4	4.6	3.4	2.1	5.6	3.5	4.4
20 to 24 years.....	17.9	15.0	5.8	4.5	9.0	5.9	5.6	3.5	4.2
25 to 44 years.....	30.1	23.5	15.0	12.1	10.8	10.5	10.4	10.7	12.9
45 years and over.....	32.9	33.9	12.2	12.9	15.8	15.8	11.3	11.8	13.1
<b>COLOR</b>									
Total.....	21.5	21.0	100.0	100.0	11.1	10.6	100.0	100.0	100.0
White, total.....	20.6	19.6	76.7	74.3	10.0	10.0	71.7	75.2	88.7
Male.....	22.6	22.9	47.9	50.0	12.5	12.7	50.9	55.2	58.7
Female.....	17.9	15.1	28.8	24.4	6.7	6.3	20.8	20.1	29.9
Nonwhite, total.....	25.0	26.6	23.3	25.7	15.7	13.1	28.3	24.8	11.3
Male.....	27.9	29.3	13.7	16.0	17.2	14.4	16.3	15.6	6.6
Female.....	21.8	23.2	9.6	9.6	14.2	11.1	12.0	9.2	4.7
<b>MARITAL STATUS</b>									
Total.....	21.5	21.0	100.0	100.0	11.1	10.6	100.0	100.0	100.0
Male.....	23.6	24.1	61.6	65.9	13.3	13.1	67.1	70.5	65.4
Married, wife present.....	36.3	30.6	31.7	29.8	20.2	15.9	34.1	30.5	48.4
Single.....	13.7	18.1	21.2	27.4	7.4	10.1	22.2	30.0	13.6
14 to 19 years.....	8.7	10.0	8.7	9.9	4.6	4.7	8.8	9.3	6.5
20 years and over.....	22.9	33.8	12.5	17.4	12.7	20.2	13.4	20.6	7.1
Other marital status.....	46.0	35.3	8.6	8.8	30.2	20.6	10.9	10.1	3.4
Female.....	18.8	16.7	38.4	34.1	8.3	7.3	32.9	29.5	34.6
Married, husband present.....	26.3	21.1	18.7	14.2	9.8	8.1	13.4	10.7	18.7
Single.....	10.4	9.3	10.5	9.6	5.7	4.3	11.1	8.8	9.1
14 to 19 years.....	6.6	5.7	5.3	4.5	3.4	2.0	5.2	3.1	4.0
20 years and over.....	24.3	20.4	5.3	5.1	14.2	11.4	5.9	5.6	5.0
Other marital status.....	28.6	31.6	9.2	10.2	13.2	15.5	8.2	9.9	6.9

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	June 1964	May 1964		Looking for full- time work	Looking for part- time work	June 1964	May 1964
	June 1964	June 1964	June 1964	May 1964		June 1964	June 1964	June 1964	May 1964
Total.....	100.0	100.0	16.4	16.4	Total.....	100.0	100.0	16.4	16.4
Male.....	57.6	48.3	14.1	15.0	White-collar workers.....	21.7	18.7	14.4	16.0
14 to 19 years.....	19.3	34.4	26.1	39.6	Professional and technical.....	5.2	5.7	17.8	22.0
Major activity:					Managers, officials, and proprietors.....	2.2	1.2	(1)	13.5
Going to school.....	4.5	10.9	32.7	53.3	Clerical workers.....	10.6	8.2	13.4	13.4
All other.....	14.8	23.4	23.9	5.8	Sales workers.....	3.7	3.6	16.1	20.5
20 to 24 years.....	10.1	5.5	9.8	7.1	Blue-collar workers.....	38.8	13.7	6.4	5.7
25 to 54 years.....	21.4	3.6	3.2	2.4	Craftsmen and foremen.....	7.6	1.7	4.2	1.3
55 years and over.....	6.8	4.8	12.2	10.0	Operatives.....	20.6	7.5	6.7	6.9
Female.....	42.4	51.7	19.4	18.2	Nonfarm laborers.....	10.6	4.5	7.8	6.7
14 to 19 years.....	16.2	29.9	26.7	26.4	Service workers.....	13.9	12.9	15.5	15.9
Major activity:					Private household workers.....	2.9	4.8	24.8	27.3
Going to school.....	2.4	12.2	49.7	34.6	Other service workers.....	11.1	8.1	12.7	11.8
All other.....	13.7	17.6	20.3	9.4	Farm workers.....	3.3	3.9	18.4	15.1
20 to 24 years.....	7.1	5.7	13.6	10.4	Farmers and farm managers.....	.1	.1	(1)	38.5
25 to 54 years.....	16.3	12.4	13.1	16.2	Farm laborers and foremen.....	3.2	3.7	19.1	12.5
55 years and over.....	2.9	3.9	21.0	16.3	No previous work experience.....	22.3	50.9	31.2	39.4

<sup>1</sup>Percent 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		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
	<b>Total</b> . . . . .	79,389	77,490	77,901	59.2	57.9
<b>Male</b> . . . . .	52,813	51,294	52,204	81.2	79.0	81.4
14 to 19 years . . . . .	5,655	4,409	5,419	57.4	44.9	57.0
14 and 15 years . . . . .	1,155	859	1,184	33.0	24.5	33.6
16 and 17 years . . . . .	2,214	1,625	1,871	61.7	45.7	58.4
18 and 19 years . . . . .	2,286	1,925	2,364	82.7	69.7	85.0
20 to 24 years . . . . .	5,962	5,599	5,717	92.3	87.0	92.2
25 to 34 years . . . . .	10,678	10,610	10,678	97.9	97.3	97.7
35 to 44 years . . . . .	11,583	11,607	11,585	97.5	97.7	97.5
45 to 54 years . . . . .	10,028	10,093	9,925	95.7	96.4	95.9
55 to 64 years . . . . .	6,728	6,754	6,643	85.5	85.9	85.9
55 to 59 years . . . . .	3,933	3,934	3,855	91.6	91.7	91.3
60 to 64 years . . . . .	2,795	2,820	2,788	78.1	78.9	79.5
65 years and over . . . . .	2,178	2,222	2,236	28.8	29.4	29.7
<b>Female</b> . . . . .	26,576	26,196	25,697	38.5	38.0	37.8
14 to 19 years . . . . .	3,401	2,554	3,283	35.3	26.6	35.3
14 and 15 years . . . . .	588	403	586	17.3	11.8	17.1
16 and 17 years . . . . .	1,299	912	1,151	37.1	26.2	36.7
18 and 19 years . . . . .	1,514	1,240	1,546	55.4	45.4	56.4
20 to 24 years . . . . .	3,199	3,168	2,995	49.2	48.9	48.1
25 to 34 years . . . . .	4,132	4,264	4,151	36.8	38.0	37.0
35 to 44 years . . . . .	5,766	5,813	5,573	46.2	46.6	44.7
45 to 54 years . . . . .	5,609	5,753	5,439	50.8	52.2	50.1
55 to 64 years . . . . .	3,477	3,583	3,312	40.6	41.9	39.5
55 to 59 years . . . . .	2,146	2,238	2,073	46.7	48.8	46.1
60 to 64 years . . . . .	1,331	1,345	1,239	33.5	33.9	31.9
65 years and over . . . . .	992	1,059	943	10.4	11.1	10.0

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

Age and sex	(In thousands)					
	Male			Female		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
<b>All industries</b> . . . . .	47,470	46,510	46,722	24,483	24,591	23,598
14 to 19 years . . . . .	4,132	3,307	3,886	2,529	2,070	2,425
20 to 24 years . . . . .	4,570	4,335	4,326	2,864	2,877	2,678
25 to 34 years . . . . .	9,601	9,551	9,567	3,871	4,041	3,868
35 to 44 years . . . . .	10,921	10,936	10,845	5,516	5,560	5,321
45 to 54 years . . . . .	9,647	9,721	9,563	5,375	5,546	5,210
55 to 64 years . . . . .	6,502	6,521	6,382	3,372	3,469	3,180
65 years and over . . . . .	2,097	2,139	2,154	956	1,027	914
<b>Nonagricultural industries</b> . . . . .	42,860	42,496	42,078	23,240	23,598	22,287
14 to 19 years . . . . .	3,145	2,706	2,937	2,285	1,969	2,152
20 to 24 years . . . . .	4,241	4,061	3,974	2,792	2,825	2,594
25 to 34 years . . . . .	9,087	9,074	9,024	3,694	3,868	3,702
35 to 44 years . . . . .	10,154	10,264	10,103	5,250	5,357	5,066
45 to 54 years . . . . .	8,872	8,958	8,761	5,120	5,316	4,939
55 to 64 years . . . . .	5,775	5,816	5,634	3,213	3,304	2,993
65 years and over . . . . .	1,587	1,615	1,645	886	959	842
<b>Agriculture</b> . . . . .	4,610	4,014	4,644	1,243	993	1,310
14 to 19 years . . . . .	988	601	949	244	102	273
20 to 24 years . . . . .	329	274	352	72	52	85
25 to 34 years . . . . .	514	477	544	177	173	166
35 to 44 years . . . . .	767	762	742	265	204	255
45 to 54 years . . . . .	774	762	802	255	229	271
55 to 64 years . . . . .	726	705	748	159	164	188
65 years and over . . . . .	509	524	507	69	69	72

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

Characteristics	(In thousands)								
	Total			Male			Female		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
<b>CLASS OF WORKER</b>									
<b>Total</b> . . . . .	71,953	71,101	70,319	47,470	46,510	46,722	24,483	24,591	23,598
Nonagricultural industries . . . . .	66,100	66,094	64,365	42,860	42,496	42,078	23,240	23,598	22,287
Wage and salary workers . . . . .	59,330	59,087	57,582	37,999	37,440	37,183	21,331	21,647	20,399
Private household workers . . . . .	2,837	2,889	2,719	483	514	502	2,354	2,375	2,217
Government workers . . . . .	8,938	9,675	8,776	5,467	5,699	5,464	3,471	3,976	3,312
Other wage and salary workers . . . . .	47,555	46,523	46,087	32,049	31,227	31,217	15,506	15,296	14,870
Self-employed workers . . . . .	6,110	6,426	6,178	4,751	4,985	4,794	1,359	1,441	1,384
Unpaid family workers . . . . .	661	581	605	112	70	101	550	510	504
Agriculture . . . . .	5,853	5,007	5,954	4,610	4,014	4,644	1,243	993	1,310
Wage and salary workers . . . . .	2,023	1,574	2,038	1,633	1,325	1,635	391	269	403
Self-employed workers . . . . .	2,569	2,467	2,639	2,414	2,307	2,481	156	160	158
Unpaid family workers . . . . .	1,258	966	1,277	562	383	527	697	584	750
<b>OCCUPATION</b>									
<b>Total</b> . . . . .	71,953	71,101	70,319	47,470	46,510	46,722	24,483	24,591	23,598
White-collar workers . . . . .	30,597	31,054	29,728	17,400	17,639	17,096	13,195	13,414	12,631
Professional and technical . . . . .	8,060	8,629	7,834	5,262	5,461	5,176	2,797	3,168	2,657
Managers, officials, and proprietors . . . . .	7,310	7,459	7,114	6,243	6,354	6,019	1,067	1,104	1,095
Clerical workers . . . . .	10,739	10,568	10,398	3,215	3,173	3,255	7,524	7,395	7,143
Sales workers . . . . .	4,488	4,398	4,382	2,680	2,651	2,646	1,807	1,747	1,736
Blue-collar workers . . . . .	26,388	25,789	25,827	22,341	21,767	22,027	4,047	4,024	3,800
Craftsmen and foremen . . . . .	9,266	9,016	9,202	9,018	8,768	8,992	246	269	210
Operatives . . . . .	13,028	12,845	12,571	9,340	9,166	9,075	3,689	3,680	3,496
Nonfarm laborers . . . . .	4,094	3,928	4,054	3,983	3,833	3,960	112	95	94
Service workers . . . . .	9,504	9,589	9,141	3,435	3,361	3,231	6,070	6,228	5,910
Private household workers . . . . .	2,393	2,419	2,270	80	75	64	2,314	2,344	2,206
Other service workers . . . . .	7,111	7,170	6,871	3,355	3,286	3,167	3,756	3,884	3,704
Farm workers . . . . .	5,466	4,668	5,625	4,292	3,743	4,368	1,174	926	1,256
Farmers and farm managers . . . . .	2,493	2,408	2,581	2,348	2,255	2,433	145	153	148
Farm laborers and foremen . . . . .	2,973	2,260	3,044	1,944	1,488	1,935	1,029	773	1,108

Table A-15: Employed persons, by hours worked

(In thousands)

Hours worked	All industries			Nonagricultural industries			Agriculture		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
Total .....	71,953	71,101	70,319	66,100	66,094	64,365	5,853	5,007	5,954
With a job but not at work .....	4,123	2,396	4,085	4,004	2,304	3,966	119	92	119
At work .....	67,829	68,706	66,235	62,097	63,790	60,399	5,732	4,916	5,835
1-34 hours .....	12,901	13,750	12,233	11,320	12,283	10,595	1,581	1,467	1,637
1-4 hours .....	957	1,113	894	889	1,057	848	68	56	48
5-14 hours .....	3,146	3,731	3,097	2,829	3,409	2,733	319	322	365
15-34 hours .....	8,797	8,906	8,242	7,602	7,817	7,015	1,195	1,089	1,226
35 hours or more .....	54,929	54,956	54,001	50,777	51,505	49,804	4,154	3,448	4,199
35-40 hours .....	31,828	31,730	30,966	30,994	31,055	30,098	834	674	868
41 hours and over .....	23,101	23,226	23,035	19,783	20,450	19,706	3,320	2,774	3,331
Average hours, total at work .....	41.0	40.6	41.2	40.3	40.0	40.6	48.3	48.9	48.3

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

(In thousands)

Full- or part-time status	All industries			Nonagricultural industries		
	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963
Total .....	71,953	71,101	70,319	66,100	66,094	64,365
With a job but not at work .....	4,123	2,396	4,085	4,004	2,304	3,966
At work .....	67,829	68,706	66,235	62,097	63,790	60,399
On full-time schedules .....	57,151	56,921	56,030	52,817	53,329	51,676
35 hours or more .....	54,929	54,956	54,001	50,777	51,505	49,804
1-34 hours for noneconomic reasons .....	2,222	1,965	2,029	2,040	1,824	1,872
Bad weather .....	288	246	258	165	182	198
Industrial dispute .....	32	35	21	32	35	21
Vacation .....	367	219	372	360	217	363
Illness .....	634	748	598	617	717	569
Holiday .....	58	27	63	58	27	63
All other reasons .....	843	690	717	808	646	658
On part time for economic reasons .....	2,872	2,285	3,023	2,519	2,068	2,619
Usually work full time .....	1,212	997	1,193	1,088	931	1,069
Average hours .....	22.9	24.3	23.5	23.0	24.3	23.4
Usually work part time .....	1,660	1,288	1,830	1,431	1,137	1,550
Average hours .....	17.0	18.5	16.1	17.1	18.7	15.9
On part time for noneconomic reasons; usually work part time .....	7,807	9,501	7,180	6,761	8,392	6,104

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								
	June 1964	May 1964	June 1963	Total			Wage and salary workers					
				June 1964	May 1964	June 1963	Number			Percent paid		
June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	June 1964	May 1964	June 1963	
Total .....	4,123	2,396	4,085	4,004	2,304	3,966	3,651	2,003	3,607	57.2	51.0	57.7
Bad weather .....	42	12	17	21	3	15	14	-	8	-	-	(1)
Industrial dispute .....	32	35	45	32	35	45	32	35	45	-	-	-
Vacation .....	2,110	833	2,266	2,089	826	2,234	1,970	768	2,125	77.0	86.2	77.1
Illness .....	953	911	861	910	860	807	810	758	711	40.7	35.6	32.3
All other reasons .....	986	604	897	952	580	865	825	443	718	29.0	19.6	29.2

<sup>1</sup>Percent not shown where base is less than 100,000.

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

June 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 . . . . .	52,813	81.2	50,100	47,470	4,610	42,860	2,630	5.2	12,205	135	2,421	1,008	8,641
14 and 15 years . . . . .	1,155	33.0	1,155	1,006	389	617	149	12.9	2,349	10	1,109	7	1,224
16 and 17 years . . . . .	2,214	61.7	2,163	1,611	393	1,220	552	25.5	1,375	2	719	9	645
18 and 19 years . . . . .	2,286	82.7	1,835	1,515	206	1,308	320	17.4	478	-	268	-	209
20 to 24 years . . . . .	5,962	92.3	5,010	4,570	329	4,241	440	8.8	498	4	257	26	211
25 to 29 years . . . . .	5,339	97.9	4,909	4,732	232	4,500	177	3.6	113	-	42	25	45
30 to 34 years . . . . .	5,339	98.0	5,006	4,869	282	4,587	137	2.7	111	3	12	38	57
35 to 39 years . . . . .	5,773	97.7	5,542	5,412	365	5,047	130	2.4	133	3	7	48	75
40 to 44 years . . . . .	5,810	97.4	5,637	5,509	402	5,107	128	2.3	158	3	2	47	106
45 to 49 years . . . . .	5,276	96.5	5,210	5,072	388	4,684	137	2.6	190	8	3	65	114
50 to 54 years . . . . .	4,752	94.7	4,731	4,575	386	4,188	156	3.3	265	9	-	77	179
55 to 59 years . . . . .	3,933	91.6	3,929	3,792	398	3,393	137	3.5	361	8	-	111	241
60 to 64 years . . . . .	2,795	78.1	2,794	2,710	328	2,382	84	3.0	784	18	-	129	637
65 to 69 years . . . . .	1,258	45.0	1,258	1,200	260	940	58	4.6	1,539	17	-	99	1,424
70 years and over . . . . .	920	19.3	920	897	249	647	24	2.6	3,849	50	-	327	3,472
White . . . . .	47,515	81.4	45,020	42,884	4,039	38,845	2,136	4.7	10,851	109	2,112	868	7,763
Nonwhite . . . . .	5,298	79.7	5,080	4,586	570	4,015	494	9.7	1,354	26	309	140	878
Female . . . . .	26,576	38.5	26,545	24,483	1,243	23,240	2,062	7.8	42,448	35,373	2,768	618	3,689
14 and 15 years . . . . .	588	17.3	588	498	102	396	90	15.3	2,818	213	1,175	13	1,418
16 and 17 years . . . . .	1,299	37.1	1,299	879	87	791	420	32.3	2,207	370	953	7	878
18 and 19 years . . . . .	1,514	55.4	1,507	1,153	55	1,098	354	23.5	1,219	622	312	11	275
20 to 24 years . . . . .	3,199	49.2	3,188	2,864	72	2,792	324	10.1	3,299	2,852	246	28	173
25 to 29 years . . . . .	2,171	38.8	2,167	1,989	73	1,916	179	8.3	3,423	3,336	29	8	50
30 to 34 years . . . . .	1,961	34.8	1,958	1,882	104	1,778	76	3.9	3,671	3,590	23	9	49
35 to 39 years . . . . .	2,656	43.0	2,654	2,543	118	2,424	111	4.2	3,522	3,430	11	16	65
40 to 44 years . . . . .	3,110	49.3	3,108	2,973	147	2,826	135	4.3	3,196	3,120	11	29	36
45 to 49 years . . . . .	2,993	52.0	2,992	2,865	131	2,734	127	4.2	2,761	2,671	4	11	75
50 to 54 years . . . . .	2,616	49.4	2,615	2,510	124	2,386	105	4.0	2,675	2,582	1	36	56
55 to 59 years . . . . .	2,146	46.7	2,146	2,079	97	1,982	68	3.1	2,447	2,357	-	29	61
60 to 64 years . . . . .	1,331	33.5	1,331	1,293	62	1,231	38	2.8	2,638	2,522	1	32	83
65 to 69 years . . . . .	600	18.0	600	574	34	540	26	4.3	2,735	2,587	5	49	94
70 years and over . . . . .	392	6.3	392	382	35	346	10	2.5	5,837	5,120	-	341	376
White . . . . .	22,958	37.3	22,929	21,311	933	20,378	1,617	7.1	38,635	32,476	2,388	511	3,260
Nonwhite . . . . .	3,618	48.7	3,616	3,172	310	2,861	445	12.3	3,812	2,897	380	107	428

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

June 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 <sup>1</sup> . . . . .	100.0	85.4	1.8	2.3	10.4	100.0	17.8	53.2	14.7	14.3
Construction . . . . .	100.0	88.7	4.4	2.9	4.1	100.0	17.2	57.2	14.1	11.6
Manufacturing . . . . .	100.0	94.2	2.1	.8	2.9	100.0	8.9	62.7	16.1	12.3
Durable goods . . . . .	100.0	96.7	1.5	.5	1.4	100.0	6.5	64.5	16.7	12.4
Nondurable goods . . . . .	100.0	90.9	3.0	1.3	5.0	100.0	12.3	60.3	15.4	12.2
Transportation and public utilities . . . . .	100.0	93.5	1.7	1.6	3.2	100.0	9.3	62.4	12.6	15.7
Wholesale and retail trade . . . . .	100.0	79.5	1.3	3.2	16.0	100.0	22.8	38.4	19.4	19.4
Finance, insurance, and real estate . . . . .	100.0	90.7	.6	.4	8.3	100.0	12.2	64.6	10.1	13.1
Service industries . . . . .	100.0	71.0	1.5	4.7	22.8	100.0	32.4	42.4	12.2	13.0

<sup>1</sup>Includes forestry and fisheries, mining and public administration, not shown separately.

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

June 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	28,366	100.0	87.3	.7	.9	10.9	100.0	15.6	50.9	13.1	20.2	41.5
Professional and technical	7,013	100.0	89.5	.7	.5	9.4	100.0	14.8	52.8	12.8	19.7	41.5
Managers, officials, and proprietors	6,948	100.0	95.4	.7	.4	3.4	100.0	7.0	33.5	17.5	41.9	49.4
Clerical workers	10,168	100.0	85.9	.8	1.1	12.2	100.0	17.3	67.9	9.3	5.5	37.5
Sales workers	4,237	100.0	74.6	.4	2.2	22.8	100.0	27.6	36.0	15.7	20.7	38.0
Blue-collar workers	25,155	100.0	89.4	3.0	2.6	5.0	100.0	14.4	53.6	16.6	15.4	40.9
Craftsmen and foremen	8,834	100.0	94.4	2.1	1.4	2.0	100.0	9.2	53.4	19.5	17.8	42.6
Operatives	12,383	100.0	91.1	3.2	1.6	4.2	100.0	12.6	55.7	16.0	15.8	41.6
Nonfarm laborers	3,938	100.0	72.9	4.1	8.5	14.4	100.0	31.3	47.6	12.3	8.7	34.9
Service workers	8,959	100.0	64.7	1.7	5.9	27.5	100.0	37.6	35.3	13.0	13.9	34.7
Private household workers	2,325	100.0	36.0	1.7	12.8	49.5	100.0	66.4	18.6	6.8	8.2	24.2
Other service workers	6,634	100.0	74.9	1.8	3.5	19.8	100.0	27.6	41.2	15.3	15.9	38.4

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

June 1964

Occupation	Thousands			Percent distribution								
	Total	Male	Female	Total	Male	Female	White			Nonwhite		
							Total	Male	Female	Total	Male	Female
Total	71,953	47,470	24,483	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	30,597	17,400	13,195	42.5	36.7	53.9	45.5	38.9	58.8	17.5	15.3	20.9
Professional and technical	8,060	5,262	2,797	11.2	11.1	11.4	11.9	11.7	12.1	5.6	4.9	6.6
Medical and other health	1,335	574	761	1.9	1.2	3.1	1.9	1.3	3.3	1.1	.8	1.6
Teachers, except college	1,536	431	1,105	2.1	.9	4.5	2.2	.9	4.7	2.0	1.0	3.3
Other professional and technical	5,189	4,257	931	7.2	9.0	3.8	7.8	9.6	4.1	2.5	3.1	1.6
Managers, officials, and proprietors	7,310	6,243	1,067	10.2	13.2	4.4	11.1	14.2	4.8	2.7	3.4	1.6
Salaried workers	4,343	3,729	614	6.0	7.9	2.5	6.6	8.5	2.8	1.1	1.5	.4
Self-employed workers in retail trade	1,368	1,092	276	1.9	2.3	1.1	2.0	2.5	1.2	.8	.9	.7
Self-employed workers, except retail trade	1,599	1,422	177	2.2	3.0	.7	2.4	3.2	.8	.8	1.0	.5
Clerical workers	10,739	3,215	7,524	14.9	6.8	30.7	15.9	7.0	33.8	7.2	5.0	10.3
Stenographers, typists, and secretaries	2,698	66	2,632	3.7	.1	10.7	4.0	.1	11.9	1.3	.1	3.0
Other clerical workers	8,041	3,149	4,892	11.2	6.6	20.0	11.8	6.8	21.9	5.9	4.9	7.2
Sales workers	4,488	2,680	1,807	6.2	5.6	7.4	6.7	6.0	8.1	2.1	1.9	2.4
Retail trade	2,725	1,122	1,603	3.8	2.4	6.5	4.1	2.5	7.2	1.5	1.1	2.1
Other sales workers	1,763	1,558	204	2.5	3.3	.8	2.7	3.5	.9	.6	.8	.3
Blue-collar workers	26,388	22,341	4,047	36.7	47.1	16.5	36.3	45.9	16.9	39.8	57.5	14.1
Craftsmen, foremen	9,266	9,018	246	12.9	19.0	1.0	13.5	19.8	1.1	7.4	12.0	.7
Carpenters	863	861	1	1.2	1.8	(1)	1.3	1.9	(1)	.6	1.0	-
Construction craftsmen, except carpenters	2,017	1,992	24	2.8	4.2	.1	2.9	4.2	.1	2.3	3.8	-
Mechanics and repairmen	2,173	2,151	22	3.0	4.5	.1	3.1	4.6	.1	2.0	3.5	-
Metal craftsmen, except mechanics	1,110	1,104	6	1.5	2.3	(1)	1.7	2.5	(1)	.5	.9	-
Other craftsmen and kindred workers	1,864	1,750	114	2.6	3.7	.5	2.7	3.8	.5	1.6	2.4	.4
Foremen, not elsewhere classified	1,239	1,160	79	1.7	2.4	.3	1.9	2.7	.3	.3	.4	.3
Operatives	13,028	9,340	3,689	18.1	19.7	15.1	18.0	19.3	15.4	18.8	22.7	13.0
Drivers and deliverymen	2,497	2,457	40	3.5	5.2	.2	3.4	5.0	.2	4.0	6.6	.2
Other operatives	10,531	6,883	3,649	14.6	14.5	14.9	14.6	14.3	15.2	14.8	16.1	12.9
Durable goods manufacturing	4,018	3,027	991	5.6	6.4	4.0	5.7	6.4	4.4	4.3	6.0	1.8
Nondurable goods manufacturing	3,578	1,652	1,926	5.0	3.5	7.9	5.0	3.5	8.2	4.5	3.6	5.7
Other industries	2,935	2,204	732	4.1	4.6	3.0	3.8	4.4	2.6	6.0	6.5	5.3
Nonfarm laborers	4,094	3,983	112	5.7	8.4	.5	4.7	6.8	.5	13.7	22.8	.4
Construction	899	897	2	1.2	1.9	(1)	.9	1.4	(1)	3.8	6.3	-
Manufacturing	1,091	1,035	57	1.5	2.2	.2	1.3	1.8	.2	3.5	5.8	.1
Other industries	2,104	2,051	53	2.9	4.3	.2	2.5	3.6	.2	6.4	10.7	.3
Service workers	9,504	3,435	6,070	13.2	7.2	24.8	11.0	6.3	20.3	31.8	15.6	55.2
Private household workers	2,393	80	2,314	3.3	.2	9.5	2.1	.1	5.9	13.8	.5	33.0
Service workers, except private household	7,111	3,355	3,756	9.9	7.1	15.3	8.9	6.2	14.3	18.0	15.1	22.2
Protective service workers	925	877	48	1.3	1.8	.2	1.4	2.0	.2	.5	.9	-
Waiters, cooks, and bartenders	1,984	573	1,411	2.8	1.2	5.8	2.7	1.1	5.9	3.4	2.4	4.8
Other service workers	4,202	1,905	2,297	5.8	4.0	9.4	4.8	3.2	8.2	14.1	11.8	17.4
Farm workers	5,466	4,292	1,174	7.6	9.0	4.8	7.2	8.8	4.1	10.8	11.6	9.7
Farmers and farm managers	2,493	2,348	145	3.5	4.9	.6	3.6	5.2	.6	2.0	2.8	.8
Farm laborers and foremen	2,973	1,944	1,029	4.1	4.1	4.2	3.6	3.6	3.5	8.8	8.8	9.0
Paid workers	1,730	1,386	344	2.4	2.9	1.4	1.9	2.5	.7	6.8	7.1	6.4
Unpaid family workers	1,243	558	685	1.7	1.2	2.8	1.7	1.1	2.8	2.0	1.7	2.6

<sup>1</sup>Less 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**

June 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						
<b>AGE AND SEX</b>											
Total .....	62,097	100.0	85.1	1.8	2.3	10.9	100.0	18.2	49.9	31.9	40.3
Male .....	40,785	100.0	91.0	1.7	1.9	5.5	100.0	12.2	47.9	40.0	43.0
14 to 17 years .....	1,795	100.0	29.0	2.1	13.3	55.7	100.0	72.6	16.0	11.5	22.1
18 and 19 years .....	1,263	100.0	71.9	5.8	6.5	15.8	100.0	31.5	44.3	24.2	35.8
20 to 24 years .....	4,101	100.0	91.1	2.9	1.6	4.4	100.0	12.4	51.3	36.3	42.1
25 to 34 years .....	8,672	100.0	96.5	1.3	.9	1.3	100.0	6.7	48.7	44.6	45.0
35 to 44 years .....	9,670	100.0	97.4	1.2	.6	.7	100.0	5.7	48.7	45.5	45.6
45 to 64 years .....	13,849	100.0	95.4	1.4	1.4	1.9	100.0	7.7	51.5	40.9	44.4
65 years and over .....	1,435	100.0	66.5	1.2	2.6	29.8	100.0	37.1	37.3	25.7	35.4
Female .....	21,312	100.0	73.8	1.9	3.2	21.2	100.0	30.0	53.7	16.4	35.1
14 to 17 years .....	1,169	100.0	22.1	1.5	12.5	64.0	100.0	78.6	14.2	7.3	18.8
18 and 19 years .....	1,057	100.0	74.0	2.6	5.2	18.3	100.0	29.7	58.9	11.5	34.0
20 to 24 years .....	2,609	100.0	84.2	2.1	2.7	11.0	100.0	19.3	66.8	13.9	36.8
25 to 34 years .....	3,364	100.0	78.2	1.9	1.9	18.1	100.0	26.2	59.0	14.9	35.7
35 to 44 years .....	4,793	100.0	75.5	1.9	2.8	19.7	100.0	28.6	53.8	17.5	35.8
45 to 64 years .....	7,509	100.0	77.8	2.1	2.2	17.9	100.0	25.8	55.2	19.0	37.0
65 years and over .....	812	100.0	47.9	.4	4.7	47.0	100.0	55.7	26.1	18.2	29.7
<b>MARITAL STATUS AND SEX</b>											
Male: Single .....	7,062	100.0	70.4	3.0	6.4	20.3	100.0	32.5	44.0	23.6	35.1
Married, wife present .....	31,654	100.0	95.8	1.3	.7	2.2	100.0	7.4	48.8	43.8	44.8
Other .....	2,069	100.0	89.2	2.1	3.3	5.4	100.0	13.8	48.6	37.6	42.3
Female: Single .....	5,304	100.0	70.5	1.7	5.3	22.4	100.0	31.6	54.9	13.4	33.2
Married, husband present .....	11,511	100.0	72.8	2.2	2.2	22.8	100.0	31.5	53.4	15.1	35.0
Other .....	4,497	100.0	80.0	1.5	3.0	15.5	100.0	23.9	53.1	23.0	37.4
<b>COLOR AND SEX</b>											
White .....	55,595	100.0	85.9	1.5	1.8	10.8	100.0	17.3	49.9	32.8	40.6
Male .....	36,940	100.0	91.5	1.4	1.5	5.6	100.0	11.5	47.4	41.1	43.3
Female .....	18,655	100.0	74.4	1.8	2.4	21.2	100.0	28.9	54.8	16.1	35.3
Nonwhite .....	6,502	100.0	78.6	3.5	6.6	11.3	100.0	25.8	50.0	24.2	37.5
Male .....	3,845	100.0	85.7	4.1	5.3	4.9	100.0	18.6	52.8	28.6	40.2
Female .....	2,657	100.0	68.2	2.7	8.6	20.5	100.0	36.3	45.9	17.8	33.7

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

June 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 .....	67,829	5,732	1,992	2,482	1,258	62,097	55,679	2,767	7,756	45,156	5,757	661
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 .....	19.0	27.5	32.7	17.8	39.0	18.2	17.8	67.5	12.7	15.6	19.7	42.2
1 to 14 hours .....	6.1	6.7	11.8	6.1	-	6.0	5.8	41.9	3.0	4.0	8.8	-
15 to 21 hours .....	5.1	10.7	9.4	5.9	22.3	4.6	4.4	12.5	3.2	4.1	4.5	25.5
22 to 29 hours .....	3.9	5.5	6.3	3.1	9.2	3.8	3.8	8.7	3.0	3.7	2.9	9.0
30 to 34 hours .....	3.9	4.6	5.2	2.7	7.5	3.8	3.8	4.4	3.5	3.8	3.5	7.7
35 to 40 hours .....	46.9	14.6	16.1	11.3	18.7	49.9	53.2	17.7	64.5	53.6	20.4	23.7
35 to 39 hours .....	6.6	6.0	4.4	4.2	11.9	6.6	6.9	6.2	5.9	7.2	3.6	8.7
40 hours .....	40.3	8.6	11.7	7.1	6.8	43.3	46.3	11.5	58.6	46.4	16.8	15.0
41 hours and over .....	34.2	57.8	51.2	70.9	42.3	31.9	29.0	14.9	22.9	30.8	59.9	34.1
41 to 47 hours .....	7.9	5.1	7.4	3.0	5.3	8.2	8.3	4.6	6.6	8.8	7.0	5.6
48 hours .....	6.3	4.7	5.1	3.7	6.1	6.4	6.4	2.2	3.9	7.1	6.7	3.9
49 hours and over .....	20.0	48.0	38.7	64.2	30.9	17.3	14.3	8.1	12.4	14.9	46.2	24.6
49 to 54 hours .....	6.4	8.2	12.0	6.2	6.3	6.2	5.7	2.7	4.0	6.1	11.4	8.4
55 to 59 hours .....	3.0	3.8	3.7	4.4	2.6	2.9	2.7	1.8	2.6	2.8	4.8	3.5
60 to 69 hours .....	5.4	13.8	11.6	17.9	9.4	4.6	3.6	1.5	3.1	3.8	14.3	5.7
70 hours and over .....	5.2	22.2	11.4	35.7	12.6	3.6	2.3	2.1	2.7	2.2	15.7	7.0
Average hours, total at work .....	41.0	48.3	42.4	56.4	41.7	40.3	39.6	23.3	40.6	40.4	47.5	38.2

**HOUSEHOLD DATA**  
**SEASONALLY ADJUSTED**

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

(In thousands)

Employment status	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
Total labor force . . . . .	77,084	77,343	77,328	76,503	76,567	76,388	75,964	76,311	75,910	75,840	75,737	75,951	75,627
Civilian labor force . . . . .	74,340	74,595	74,583	73,760	73,835	73,667	73,224	73,572	73,168	73,091	72,988	73,207	72,891
Employed . . . . .	70,387	70,754	70,559	69,807	69,832	69,567	69,205	69,222	69,067	69,044	68,941	69,101	68,767
Agriculture . . . . .	4,838	4,865	4,748	4,600	4,797	4,936	4,890	4,903	4,939	4,877	4,872	5,009	4,924
Nonagricultural industries . . . . .	65,549	65,889	65,811	65,207	65,035	64,631	64,315	64,319	64,128	64,167	64,069	64,092	63,843
Unemployed . . . . .	3,953	3,841	4,024	3,953	4,003	4,100	4,019	4,350	4,101	4,047	4,047	4,106	4,124

**Table A-25: Seasonally adjusted rates of unemployment**

Selected unemployment rates	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
Total (all civilian workers) . . . . .	5.3	5.1	5.4	5.4	5.4	5.6	5.5	5.9	5.6	5.5	5.5	5.6	5.7
Men, 20 years and over . . . . .	4.0	3.6	3.8	3.9	4.1	4.3	4.3	4.5	4.2	4.1	4.2	4.3	4.4
Women, 20 years and over . . . . .	5.1	5.0	5.4	5.6	5.6	5.5	5.3	5.6	5.5	5.5	5.7	5.3	5.4
Both sexes, 14 to 19 years . . . . .	15.0	15.9	16.2	14.4	13.8	14.9	14.7	17.0	15.7	15.3	14.6	16.0	15.8
Married men (wife present) . . . . .	2.8	2.6	2.9	2.9	3.0	3.2	3.3	3.4	2.9	3.0	3.1	3.2	3.2
Experienced wage and salary workers . . . . .	5.3	4.8	5.0	5.1	5.2	5.3	5.3	5.7	5.5	5.4	5.4	5.4	5.6
Labor force time lost through unemployment and part-time work <sup>1</sup>	6.1	5.7	5.9	5.8	6.1	6.2	6.1	6.3	6.2	6.1	6.3	6.4	6.6

<sup>1</sup>Man-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	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
Less than 5 weeks . . . . .	1,878	1,867	1,921	1,854	1,619	1,861	1,814	1,955	1,799	1,803	1,809	1,846	1,892
5 to 14 weeks . . . . .	1,108	1,095	1,214	1,031	1,187	1,104	1,217	1,272	1,214	1,234	1,196	1,312	1,257
15 weeks and over:													
Number . . . . .	1,070	934	927	1,047	1,007	1,105	1,022	1,060	1,114	1,078	1,083	1,042	1,080
Percent of civilian labor force . . . . .	1.4	1.3	1.2	1.4	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5

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

(In thousands)

Employment status, age and sex	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
Civilian labor force . . . . .	74,340	74,595	74,583	73,760	73,835	73,667	73,224	73,572	73,168	73,091	72,988	73,207	72,891
Men, 20 years and over . . . . .	44,582	44,664	44,635	44,398	44,452	44,477	44,232	44,292	44,149	44,269	44,248	44,420	44,232
Women, 20 years and over . . . . .	23,200	23,234	23,379	22,874	23,022	22,832	22,753	22,879	22,658	22,466	22,411	22,443	22,413
Both sexes, 14 to 19 years . . . . .	6,558	6,697	6,569	6,488	6,361	6,358	6,239	6,401	6,361	6,356	6,329	6,344	6,246
Employed, all industries . . . . .	70,387	70,754	70,559	69,807	69,832	69,567	69,205	69,222	69,067	69,044	68,941	69,101	68,767
Men, 20 years and over . . . . .	42,798	43,054	42,937	42,660	42,626	42,583	42,324	42,300	42,289	42,438	42,390	42,522	42,297
Women, 20 years and over . . . . .	22,015	22,066	22,118	21,595	21,725	21,573	21,557	21,606	21,414	21,224	21,143	21,251	21,210
Both sexes, 14 to 19 years . . . . .	5,574	5,634	5,504	5,552	5,481	5,411	5,324	5,316	5,364	5,382	5,408	5,328	5,260
Employed, nonagricultural industries	65,549	65,889	65,811	65,207	65,035	64,631	64,315	64,319	64,128	64,167	64,069	64,092	63,843
Men, 20 years and over . . . . .	39,400	39,750	39,696	39,513	39,332	39,161	38,950	38,946	38,867	39,060	39,026	39,043	38,831
Women, 20 years and over . . . . .	21,296	21,267	21,315	20,899	20,937	20,807	20,748	20,750	20,622	20,432	20,369	20,468	20,463
Both sexes, 14 to 19 years . . . . .	4,853	4,872	4,800	4,795	4,766	4,663	4,617	4,623	4,639	4,675	4,674	4,581	4,549
Unemployed . . . . .	3,953	3,841	4,024	3,953	4,003	4,100	4,019	4,350	4,101	4,047	4,047	4,106	4,124
Men, 20 years and over . . . . .	1,784	1,610	1,698	1,738	1,826	1,894	1,908	1,992	1,860	1,831	1,858	1,898	1,935
Women, 20 years and over . . . . .	1,185	1,168	1,261	1,279	1,297	1,259	1,196	1,273	1,244	1,242	1,268	1,192	1,203
Both sexes, 14 to 19 years . . . . .	984	1,063	1,065	936	880	947	915	1,085	997	974	921	1,016	986

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

(In thousands)

Full- or part-time status	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
On full-time schedules . . . . .	52,502	52,697	53,041	52,821	52,711	52,165	52,027	51,851	51,610	51,487	51,367	51,623	51,368
On part time for economic reasons . . . . .	2,250	2,148	2,146	2,130	2,250	2,121	2,180	2,202	2,321	2,396	2,465	2,262	2,327
Usually work full time . . . . .	1,100	932	992	1,003	1,085	957	1,023	1,034	1,101	1,173	1,178	1,048	1,081
Usually work part time . . . . .	1,150	1,216	1,154	1,127	1,165	1,164	1,157	1,168	1,220	1,223	1,287	1,214	1,246
On part time for noneconomic reasons; usually work part time . . . . .	7,554	7,473	7,431	7,106	7,030	7,044	6,827	6,870	7,099	6,960	6,859	6,894	6,820

## 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	5,107	-	-	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	1,741	5,241	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	7,334	1,862	5,452	1,497	4,241	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:														
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.....	57,388	611	2,760	17,051	3,883	11,926	3,188	8,738	2,895	8,415	9,847	2,323	7,524	
April.....	57,945	624	2,977	17,106	3,922	11,987	3,195	8,792	2,913	8,543	9,873	2,334	7,539	
May.....	58,462	631	3,153	17,188	3,945	12,089	3,205	8,884	2,925	8,644	9,887	2,332	7,555	
June.....	59,093	642	3,326	17,382	3,986	12,186	3,245	8,941	2,953	8,763	9,855	2,354	7,501	

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 <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>TOTAL</b> .....	59,093	58,462	57,945	57,609	56,967	-	-	-	-	-
<b>MINING</b> .....	642	631	624	650	643	-	494	487	512	506
<b>METAL MINING</b> .....	-	86.4	85.3	84.0	83.0	-	71.8	70.9	69.8	68.9
Iron ores.....	-	29.5	28.5	26.9	26.5	-	25.2	24.3	23.1	22.6
Copper ores.....	-	28.9	28.8	27.9	27.9	-	23.6	23.6	22.7	22.9
<b>COAL MINING</b> .....	-	128.2	129.2	138.8	141.5	-	112.7	113.8	122.3	124.0
Bituminous.....	-	117.0	118.5	128.0	130.5	-	102.8	104.4	112.7	114.3
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	291.3	289.3	300.3	295.0	-	205.7	203.6	214.5	210.4
Crude petroleum and natural gas fields.....	-	159.3	159.6	166.3	163.0	-	91.0	90.8	98.1	95.8
Oil and gas field services.....	-	132.0	129.7	134.0	132.0	-	114.7	112.8	116.4	114.6
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	125.3	119.8	127.0	123.3	-	104.2	98.8	105.8	102.7
<b>CONTRACT CONSTRUCTION</b> .....	3,326	3,153	2,977	3,232	3,049	-	2,682	2,514	2,777	2,600
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	953.0	906.8	984.6	916.0	-	815.0	772.8	855.3	787.7
<b>HEAVY CONSTRUCTION</b> .....	-	653.7	563.4	691.0	635.7	-	569.3	481.7	613.1	558.6
Highway and street construction.....	-	343.2	278.6	377.6	341.5	-	308.7	245.0	345.4	309.8
Other heavy construction.....	-	310.5	284.8	313.4	294.2	-	260.6	236.7	267.7	248.8
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,546.2	1,507.0	1,556.1	1,497.2	-	1,297.6	1,259.6	1,308.6	1,253.5
<b>MANUFACTURING</b> .....	17,382	17,188	17,106	17,111	16,960	12,881	12,713	12,634	12,652	12,526
<b>DURABLE GOODS</b> .....	9,928	9,846	9,801	9,738	9,673	7,320	7,245	7,198	7,138	7,083
<b>NONDURABLE GOODS</b> .....	7,454	7,342	7,305	7,373	7,287	5,561	5,468	5,436	5,514	5,443
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	257.1	260.7	264.8	275.5	274.5	106.7	109.3	111.5	118.4	118.1
Ammunition, except for small arms.....	184.3	187.2	189.1	189.3	187.7	62.1	64.6	65.2	67.0	66.4
Sighting and fire control equipment.....	-	18.6	19.2	27.7	28.6	-	7.7	8.0	11.4	11.8
Other ordnance and accessories.....	55.2	54.9	56.5	58.5	58.2	37.3	37.0	38.3	40.0	39.9
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	620.6	596.6	581.8	584.9	594.6	559.8	533.8	517.8	522.9	532.9
Logging camps and logging contractors.....	96.3	84.6	77.2	78.5	82.4	93.1	79.5	71.2	73.3	77.3
Sawmills and planing mills.....	260.2	252.8	247.7	255.4	257.1	238.6	231.1	225.3	233.4	235.3
Sawmills and planing mills, general.....	-	218.2	213.6	221.5	223.7	-	199.4	194.0	202.3	204.8
Millwork, plywood, and related products.....	160.3	157.7	156.2	149.9	155.1	136.5	134.0	132.6	126.7	132.0
Millwork.....	-	71.4	70.9	71.5	69.0	-	57.9	57.5	58.0	55.7
Veneer and plywood.....	-	71.1	71.1	62.9	70.8	-	65.5	65.7	57.8	65.5
Wooden containers.....	36.9	35.7	35.0	36.6	36.0	33.7	32.3	31.6	33.4	32.8
Wooden boxes, shooks, and crates.....	-	27.6	26.9	28.4	27.3	-	25.0	24.3	25.9	24.8
Miscellaneous wood products.....	66.9	65.8	65.7	64.5	64.0	57.9	56.9	57.1	56.1	55.5

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 <sup>1</sup>				
	All employees									
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>FURNITURE AND FIXTURES</b> . . . . .	398.7	393.3	396.5	387.7	382.8	331.7	326.5	329.5	322.5	317.3
Household furniture . . . . .	295.2	291.7	293.2	280.7	278.0	253.3	249.8	251.1	240.0	237.4
Wood house furniture, upholstered . . . . .	-	151.2	152.2	146.7	144.5	-	134.4	135.5	130.4	128.2
Wood house furniture, upholstered . . . . .	-	72.7	73.0	67.4	67.4	-	60.9	61.2	56.2	56.5
Mattresses and bedspings . . . . .	-	34.4	34.2	34.3	33.5	-	27.1	26.7	26.9	26.1
Office furniture . . . . .	-	24.8	26.0	26.9	26.6	-	19.0	20.2	21.3	20.9
Partitions; office and store fixtures . . . . .	-	36.3	36.3	39.0	38.2	-	26.7	26.7	29.3	28.4
Other furniture and fixtures . . . . .	41.4	40.5	41.0	41.1	40.0	31.7	31.0	31.5	31.9	30.6
<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	638.3	625.7	614.1	626.8	615.3	516.2	505.2	494.3	508.1	496.7
Flat glass . . . . .	-	31.2	30.6	30.2	30.1	-	25.0	24.5	24.5	24.3
Glass and glassware, pressed or blown . . . . .	120.0	118.2	116.1	115.6	113.6	105.1	103.4	101.1	100.1	98.0
Glass containers . . . . .	-	68.1	65.8	68.2	66.8	-	60.2	58.1	60.3	59.0
Pressed and blown glassware, n.e.c. . . . .	-	50.1	50.3	47.4	46.8	-	43.2	43.0	39.8	39.0
Cement, hydraulic . . . . .	41.1	40.1	38.9	42.3	41.0	32.3	31.5	30.4	34.0	32.7
Structural clay products . . . . .	69.9	67.9	66.9	71.1	69.8	59.3	57.7	56.7	60.7	59.6
Brick and structural clay tile . . . . .	-	29.4	28.7	31.9	30.9	-	26.1	25.4	28.6	27.6
Pottery and related products . . . . .	-	44.2	44.3	43.5	43.7	-	37.6	37.7	36.9	37.1
Concrete, gypsum, and plaster products . . . . .	184.4	178.6	172.8	183.3	177.3	145.0	139.9	134.2	145.6	139.8
Other stone and mineral products . . . . .	125.6	123.9	123.3	121.3	120.3	94.1	92.5	92.3	90.5	89.3
Abrasive products . . . . .	-	23.3	23.4	23.1	23.1	-	14.6	14.7	14.2	14.0
<b>PRIMARY METAL INDUSTRIES</b> . . . . .	1,225.1	1,214.6	1,202.8	1,209.1	1,191.6	997.6	989.6	978.7	984.4	969.6
Blast furnace and basic steel products . . . . .	624.4	617.7	607.5	623.9	612.2	512.1	506.5	497.2	513.0	503.1
Blast furnaces, steel and rolling mills . . . . .	-	549.5	539.6	554.6	544.4	-	452.8	443.7	458.5	450.0
Iron and steel foundries . . . . .	215.1	211.5	209.6	200.5	198.4	184.6	181.6	179.8	170.4	168.6
Gray iron foundries . . . . .	-	125.9	125.2	119.9	118.9	-	108.8	108.2	103.1	102.4
Malleable iron foundries . . . . .	-	25.4	25.3	24.8	25.0	-	21.7	21.6	20.7	20.8
Steel foundries . . . . .	-	60.2	59.1	55.8	54.5	-	51.1	50.0	46.6	45.4
Nonferrous smelting and refining . . . . .	71.6	70.6	69.9	69.6	68.4	55.3	54.6	53.7	54.0	52.8
Nonferrous rolling, drawing, and extruding . . . . .	181.0	183.3	184.2	185.4	183.1	137.0	139.7	140.6	141.8	140.0
Copper rolling, drawing, and extruding . . . . .	-	46.2	47.1	47.3	46.7	-	35.4	36.2	36.7	36.2
Aluminum rolling, drawing, and extruding . . . . .	-	60.9	61.2	61.9	60.8	-	46.4	46.7	47.2	46.3
Nonferrous wire drawing and insulating . . . . .	-	58.7	58.6	59.0	58.9	-	45.7	45.7	45.9	45.7
Nonferrous foundries . . . . .	74.2	73.1	72.9	71.4	71.3	61.7	60.7	60.7	59.3	59.2
Aluminum castings . . . . .	-	36.9	36.8	35.6	35.6	-	31.2	31.2	30.0	30.0
Other nonferrous castings . . . . .	-	36.2	36.1	35.8	35.7	-	29.5	29.5	29.3	29.2
Miscellaneous primary metal industries . . . . .	58.8	58.4	58.7	58.3	58.2	46.9	46.5	46.7	45.9	45.9
Iron and steel forgings . . . . .	-	40.0	40.2	40.0	40.0	-	32.3	32.4	31.9	31.9
<b>FABRICATED METAL PRODUCTS</b> . . . . .	1,200.2	1,185.4	1,179.8	1,163.0	1,147.6	924.2	910.8	906.1	893.9	880.0
Metal cans . . . . .	65.8	64.0	63.4	64.6	63.0	55.8	54.0	53.3	54.4	52.8
Cutlery, hand tools, and general hardware . . . . .	139.9	139.6	139.3	135.5	134.6	110.1	109.6	109.6	106.4	105.6
Cutlery and hand tools, including saws . . . . .	-	52.9	52.6	52.1	51.9	-	41.3	41.3	40.5	40.3
Hardware, n.e.c. . . . .	-	86.7	86.7	83.4	82.7	-	68.3	68.3	65.9	65.3
Heating equipment and plumbing fixtures . . . . .	80.2	78.6	79.8	77.0	75.9	60.4	59.1	60.3	57.9	56.8
Sanitary ware and plumbers' brass goods . . . . .	-	34.1	34.6	33.9	33.5	-	27.6	28.2	27.8	27.4
Heating equipment, except electric . . . . .	-	44.5	45.2	43.1	42.4	-	31.5	32.1	30.1	29.4
Fabricated structural metal products . . . . .	354.0	345.4	340.4	344.3	335.9	252.9	245.2	240.9	245.9	239.0
Fabricated structural steel . . . . .	-	96.7	95.1	97.5	95.8	-	71.8	70.3	72.2	71.2
Metal doors, sash, frames, and trim . . . . .	-	63.5	62.8	64.5	62.2	-	45.2	44.6	47.3	44.9
Fabricated plate work (boiler shops) . . . . .	-	89.1	88.3	86.5	85.0	-	58.9	58.0	56.4	55.4
Sheet metal work . . . . .	-	60.3	60.0	60.7	59.2	-	44.1	44.0	44.9	43.7
Architectural and miscellaneous metal work . . . . .	-	35.8	34.2	35.1	33.7	-	25.2	24.0	25.1	23.8
Screw machine products, bolts, etc. . . . .	89.5	88.8	89.1	89.1	88.5	69.9	69.4	69.8	70.1	69.8
Screw machine products . . . . .	-	37.2	37.6	38.2	38.4	-	31.0	31.3	32.1	32.3
Bolts, nuts, screws, rivets, and washers . . . . .	-	51.6	51.5	50.9	50.1	-	38.4	38.3	38.0	37.5
Metal stampings . . . . .	204.3	203.2	204.3	196.8	196.1	166.2	165.3	166.3	159.4	158.9
Coating, engraving, and allied services . . . . .	73.9	73.8	72.7	70.2	69.7	62.1	62.1	61.1	58.3	57.6
Miscellaneous fabricated wire products . . . . .	60.9	60.5	60.8	57.9	57.7	48.7	48.4	48.8	46.3	45.8
Miscellaneous fabricated metal products . . . . .	131.7	131.5	130.0	127.6	126.2	98.1	97.7	96.2	95.2	93.7
Valves, pipe, and pipe fittings . . . . .	-	79.5	78.3	77.4	76.5	-	57.2	56.0	55.4	54.6

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 <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>MACHINERY</b> . . . . .	1,605.6	1,596.1	1,591.2	1,523.1	1,516.4	1,120.4	1,115.7	1,112.4	1,054.8	1,052.1
Engines and turbines . . . . .	86.2	86.7	86.2	84.5	84.4	57.6	58.1	57.6	55.4	55.4
Steam engines and turbines . . . . .	-	32.9	33.1	35.5	35.4	-	18.3	18.4	19.9	19.8
Internal combustion engines, n.e.c. . . . .	-	53.8	53.1	49.0	49.0	-	39.8	39.2	35.5	35.6
Farm machinery and equipment . . . . .	-	126.9	128.3	120.0	122.6	-	93.2	94.8	86.7	89.6
Construction and related machinery . . . . .	230.8	228.7	226.7	215.1	212.3	158.1	156.3	154.4	144.1	141.6
Construction and mining machinery . . . . .	-	127.8	126.5	117.9	116.6	-	90.9	89.8	81.9	80.7
Oil field machinery and equipment . . . . .	-	33.9	33.6	32.0	31.8	-	22.9	22.6	21.0	20.8
Conveyors, hoists, and industrial cranes . . . . .	-	31.3	30.9	30.2	29.3	-	20.7	20.3	19.9	19.2
Metalworking machinery and equipment . . . . .	291.9	290.7	289.4	271.0	269.4	219.0	218.5	217.9	202.4	201.3
Machine tools, metal cutting types . . . . .	-	76.3	75.5	70.2	69.7	-	53.1	52.6	48.4	48.2
Special dies, tools, jigs, and fixtures . . . . .	-	101.8	101.9	95.0	95.0	-	83.8	84.0	77.7	77.6
Machine tool accessories . . . . .	-	47.2	46.8	45.4	44.5	-	34.3	34.1	33.1	32.4
Miscellaneous metalworking machinery . . . . .	-	65.4	65.2	60.4	60.2	-	47.3	47.2	43.2	43.1
Special industry machinery . . . . .	176.2	174.4	174.1	168.5	168.0	121.1	119.9	119.9	115.6	115.3
Food products machinery . . . . .	-	33.4	33.3	32.6	32.7	-	21.7	21.7	21.0	21.1
Textile machinery . . . . .	-	39.1	39.0	37.6	37.2	-	30.0	29.9	29.0	28.6
General industrial machinery . . . . .	244.5	242.1	241.0	231.1	229.2	163.8	161.7	160.8	153.8	152.8
Pumps; air and gas compressors . . . . .	-	66.9	66.6	64.5	63.5	-	37.9	37.8	36.9	36.5
Ball and roller bearings . . . . .	-	52.3	52.3	50.3	50.0	-	41.1	41.2	39.1	38.9
Mechanical power transmission goods . . . . .	-	49.2	48.8	46.1	45.6	-	36.5	36.1	34.1	33.9
Office, computing, and accounting machines . . . . .	154.7	153.4	154.1	153.0	152.3	89.8	89.3	89.9	89.8	90.3
Computing machines and cash registers . . . . .	-	109.7	110.0	109.3	108.8	-	59.5	59.8	59.4	60.0
Service industry machines . . . . .	103.9	104.0	102.8	102.9	103.3	71.5	71.9	70.9	70.7	71.3
Refrigeration, except home refrigerators . . . . .	-	66.3	65.6	65.9	66.0	-	46.1	45.7	46.0	46.3
Miscellaneous machinery . . . . .	191.3	189.2	188.6	177.0	174.9	147.6	146.8	146.2	136.3	134.5
Machine shops, jobbing and repair . . . . .	-	128.2	127.9	121.8	120.1	-	101.4	101.1	95.1	93.9
Machine parts, n.e.c., except electrical . . . . .	-	61.0	60.7	55.2	54.8	-	45.4	45.1	41.2	40.6
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	1,566.8	1,549.3	1,548.4	1,580.4	1,572.8	1,052.7	1,038.4	1,036.1	1,056.9	1,048.8
Electric distribution equipment . . . . .	175.1	172.2	170.8	168.5	167.8	117.3	114.8	113.7	111.4	110.8
Electric measuring instruments . . . . .	-	55.0	55.0	54.8	55.3	-	35.3	35.4	36.0	36.5
Power and distribution transformers . . . . .	-	44.8	44.5	43.2	42.6	-	31.3	31.1	29.7	29.2
Switchgear and switchboard apparatus . . . . .	-	72.4	71.3	70.5	69.9	-	48.2	47.2	45.7	45.1
Electrical industrial apparatus . . . . .	194.2	191.7	189.8	188.2	186.8	134.3	132.2	130.5	128.5	127.8
Motors and generators . . . . .	-	103.1	101.8	101.8	101.5	-	72.1	70.9	70.9	70.8
Industrial controls . . . . .	-	50.4	50.0	50.4	49.8	-	33.0	32.8	32.9	32.4
Household appliances . . . . .	157.6	157.6	157.6	155.0	153.4	121.3	121.9	121.6	119.1	117.8
Household refrigerators and freezers . . . . .	-	53.1	53.5	49.7	49.4	-	42.8	42.9	39.1	38.9
Household laundry equipment . . . . .	-	24.0	23.5	25.2	24.4	-	18.1	17.6	19.0	18.2
Electric housewares and fans . . . . .	-	33.8	34.1	34.1	34.0	-	25.7	26.0	26.1	26.0
Electric lighting and wiring equipment . . . . .	154.1	152.8	153.1	147.4	146.0	120.2	119.3	119.2	115.0	113.4
Electric lamps . . . . .	-	31.0	31.1	30.2	30.1	-	27.1	27.0	26.4	26.2
Lighting fixtures . . . . .	-	54.0	54.0	51.0	50.1	-	41.6	41.5	39.1	38.2
Wiring devices . . . . .	-	67.8	68.0	66.2	65.8	-	50.6	50.7	49.5	49.0
Radio and TV receiving sets . . . . .	116.4	107.5	107.0	112.1	106.9	88.1	81.4	80.2	84.8	78.7
Communication equipment . . . . .	400.4	402.3	406.2	432.0	435.8	199.8	200.2	203.2	218.8	221.9
Telephone and telegraph apparatus . . . . .	-	123.4	121.4	118.7	120.1	-	81.9	80.4	78.1	79.1
Radio and TV communication equipment . . . . .	-	278.9	284.8	313.3	315.7	-	118.3	122.8	140.7	142.8
Electronic components and accessories . . . . .	264.5	261.1	260.2	265.7	265.2	192.9	190.5	189.9	194.9	194.3
Electron tubes . . . . .	-	65.3	64.5	68.4	69.2	-	43.5	42.6	46.0	47.0
Electronic components, n.e.c. . . . .	-	195.8	195.7	197.3	196.0	-	147.0	147.3	148.9	147.3
Miscellaneous electrical equipment and supplies . . . . .	104.5	104.1	103.7	111.5	110.9	78.8	78.1	77.8	84.4	84.1
Electrical equipment for engine . . . . .	-	61.5	61.9	66.7	66.8	-	46.7	47.0	50.7	51.3
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	1,628.6	1,648.7	1,652.6	1,620.7	1,620.4	1,142.8	1,157.9	1,160.0	1,121.1	1,120.7
Motor vehicles and equipment . . . . .	772.0	780.6	780.4	747.0	745.8	600.9	607.5	607.7	581.2	580.5
Motor vehicles . . . . .	-	309.5	310.7	294.4	295.0	-	228.8	230.1	217.8	218.8
Passenger car bodies . . . . .	-	68.6	68.5	68.6	69.0	-	55.8	55.8	56.0	56.2
Truck and bus bodies . . . . .	-	36.7	36.2	36.2	35.4	-	30.0	29.5	29.9	28.9
Motor vehicle parts and accessories . . . . .	-	343.5	342.6	327.1	325.6	-	275.9	275.2	261.9	260.8
Aircraft and parts . . . . .	617.8	623.7	631.0	644.9	644.5	345.8	349.5	353.6	352.1	350.3
Aircraft . . . . .	-	321.5	326.5	329.5	329.3	-	178.1	181.3	171.9	170.7
Aircraft engines and engine parts . . . . .	-	201.2	202.7	210.9	211.2	-	105.9	106.8	112.5	112.8
Other aircraft parts and equipment . . . . .	-	101.0	101.8	104.5	104.0	-	65.5	65.5	67.7	66.8
Ship and boat building and repairing . . . . .	142.5	148.3	146.2	144.0	148.9	119.1	124.2	122.7	121.0	126.3
Ship building and repairing . . . . .	-	120.9	119.2	117.7	120.9	-	101.6	100.4	99.2	102.8
Boat building and repairing . . . . .	-	27.4	27.0	26.3	28.0	-	22.6	22.3	21.8	23.5
Railroad equipment . . . . .	-	51.8	51.3	44.7	42.3	-	40.1	39.8	33.8	31.6
Other transportation equipment . . . . .	-	44.3	43.7	40.1	38.9	-	36.6	36.2	33.0	32.0

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)									
	All employees					Production workers <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	376.7	374.3	374.6	373.5	368.1	239.2	236.9	237.2	238.8	234.8
Engineering and scientific instruments . . . . .	-	69.4	69.9	73.9	73.4	-	35.7	36.2	39.2	38.8
Mechanical measuring and control devices . . . . .	100.6	99.1	99.5	97.9	97.0	66.2	64.8	65.1	64.0	63.3
Mechanical measuring devices . . . . .	-	61.2	61.4	60.6	59.8	-	38.3	38.5	38.3	37.5
Automatic temperature controls . . . . .	-	37.9	38.1	37.3	37.2	-	26.5	26.6	25.7	25.8
Optical and ophthalmic goods . . . . .	44.2	44.2	44.1	42.0	41.5	31.6	31.6	31.5	29.8	29.5
Surgical, medical, and dental equipment . . . . .	55.6	55.2	54.9	53.6	53.0	38.7	38.4	38.1	37.6	37.4
Photographic equipment and supplies . . . . .	(*)	77.5	77.3	76.0	74.3	(*)	43.7	43.4	43.7	42.3
Watches and clocks . . . . .	-	28.9	28.9	30.1	28.9	-	22.7	22.9	24.5	23.5
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	409.8	401.1	394.4	393.2	388.7	329.0	320.8	314.7	316.3	312.0
Jewelry, silverware, and plated ware . . . . .	45.1	44.8	44.5	41.7	41.5	35.3	35.0	34.9	32.0	31.9
Toys, amusement, and sporting goods . . . . .	-	105.9	100.9	105.2	103.6	-	87.7	82.6	88.2	87.1
Toys, games, dolls, and play vehicles . . . . .	-	65.0	60.7	65.3	62.5	-	54.7	50.4	55.9	53.4
Sporting and athletic goods, n.e.c. . . . .	-	40.9	40.2	39.9	41.1	-	33.0	32.2	32.3	33.7
Pens, pencils, office, and art materials . . . . .	-	31.3	31.3	31.9	32.1	-	23.1	23.2	24.3	24.1
Costume jewelry, buttons, and notions . . . . .	-	57.8	57.4	58.0	56.1	-	47.9	47.6	48.2	46.4
Other manufacturing industries . . . . .	162.3	161.3	160.3	156.4	155.4	128.2	127.1	126.4	123.6	122.5
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	1,715.0	1,661.5	1,645.6	1,732.0	1,679.9	1,120.6	1,076.5	1,063.1	1,145.8	1,097.7
Meat products . . . . .	307.6	301.4	296.3	307.8	303.6	246.1	240.5	235.5	247.5	243.0
Meat packing . . . . .	-	190.2	187.8	191.5	190.6	-	148.1	145.9	150.4	149.1
Sausages and other prepared meats . . . . .	-	45.2	44.9	47.2	46.2	-	32.4	32.1	33.8	33.0
Poultry dressing and packing . . . . .	-	66.0	63.6	69.1	66.8	-	60.0	57.5	63.3	60.9
Dairy products . . . . .	298.7	291.6	287.7	305.2	297.5	147.9	142.0	138.8	153.6	147.3
Ice cream and frozen desserts . . . . .	-	32.0	30.3	35.7	33.7	-	17.3	15.9	20.1	18.2
Fluid milk . . . . .	-	206.4	205.4	213.3	209.9	-	83.8	83.1	89.4	87.8
Canned and preserved food, except meats . . . . .	-	194.5	192.8	227.4	203.2	-	158.3	156.9	189.4	165.6
Canned, cured, and frozen sea foods . . . . .	-	40.9	40.8	39.0	37.4	-	35.6	35.6	34.1	32.4
Canned food, except sea foods . . . . .	-	91.1	87.5	109.3	96.4	-	71.1	67.6	87.4	74.9
Frozen food, except sea foods . . . . .	-	38.4	40.0	51.3	43.5	-	33.6	35.3	47.0	38.8
Grain mill products . . . . .	131.6	130.5	127.3	134.1	131.1	91.8	91.0	87.7	94.2	91.9
Flour and other grain mill products . . . . .	-	32.3	32.1	33.2	32.6	-	21.6	21.4	22.3	21.8
Prepared feeds for animals and fowls . . . . .	-	60.2	57.3	61.9	60.6	-	41.1	38.0	42.6	41.6
Bakery products . . . . .	294.9	289.9	288.0	294.0	290.7	170.1	165.8	163.8	170.9	167.3
Bread, cake, and perishable products . . . . .	-	248.1	245.5	249.3	247.0	-	131.3	128.7	134.1	131.7
Biscuit, crackers, and pretzels . . . . .	-	41.8	42.5	44.7	43.7	-	34.5	35.1	36.8	35.6
Sugar . . . . .	-	30.3	31.2	30.9	30.6	-	23.1	24.1	24.0	24.0
Confectionery and related products . . . . .	71.9	70.6	71.1	72.6	70.8	57.2	56.1	56.4	57.4	55.7
Candy and other confectionery products . . . . .	-	55.7	55.9	57.5	56.0	-	45.2	45.3	46.5	44.9
Beverages . . . . .	225.5	214.9	213.3	219.9	213.2	116.4	109.8	109.3	116.5	111.2
Malt liquors . . . . .	-	60.7	63.1	67.6	65.3	-	40.1	42.0	45.9	43.8
Bottled and canned soft drinks . . . . .	-	116.6	113.1	114.8	111.2	-	43.8	41.8	44.2	41.7
Miscellaneous food and kindred products . . . . .	139.2	137.8	137.9	140.1	139.2	90.8	89.9	90.6	92.3	91.7
<b>TOBACCO MANUFACTURES</b> . . . . .	77.9	77.3	77.7	75.6	76.5	66.6	66.0	66.6	63.8	64.8
Cigarettes . . . . .	-	36.8	37.0	38.1	37.5	-	30.6	30.9	31.5	31.0
Cigars . . . . .	-	25.5	25.3	22.8	22.8	-	24.0	23.8	21.2	21.2
<b>TEXTILE MILL PRODUCTS</b> . . . . .	902.4	895.8	893.4	895.1	887.6	807.7	801.8	799.2	802.5	796.0
Cotton broad woven fabrics . . . . .	233.4	232.2	232.6	233.0	232.5	215.0	214.0	214.4	215.8	215.4
Silk and synthetic broad woven fabrics . . . . .	85.4	85.2	85.2	83.6	82.6	77.0	76.9	77.0	75.4	74.5
Weaving and finishing broad woolens . . . . .	47.9	47.4	46.7	50.4	50.2	42.1	41.6	41.0	44.5	44.4
Narrow fabrics and small wares . . . . .	27.5	27.1	27.2	27.2	26.9	24.3	23.9	24.0	23.8	23.6
Knitting . . . . .	220.0	217.8	214.8	218.3	215.3	197.4	195.4	192.3	196.7	194.0
Full-fashioned hosiery . . . . .	-	19.2	19.3	19.2	19.2	-	17.0	17.0	17.0	17.0
Seamless hosiery . . . . .	-	78.6	78.3	79.5	79.1	-	72.5	72.2	73.4	73.1
Knit outerwear . . . . .	-	68.0	65.7	67.1	65.4	-	59.5	57.3	59.4	57.9
Knit underwear . . . . .	-	29.7	29.6	30.1	29.7	-	26.8	26.7	27.2	26.8
Finishing textiles, except wool and knit . . . . .	75.1	74.9	75.0	74.5	74.1	64.6	64.3	64.3	63.6	63.2
Floor covering . . . . .	-	38.1	38.4	37.1	37.1	-	31.5	31.8	30.6	30.7
Yarn and thread . . . . .	109.7	107.7	107.6	104.9	103.6	101.5	99.7	99.5	96.6	95.2
Miscellaneous textile goods . . . . .	65.5	65.4	65.9	66.1	65.3	54.6	54.5	54.9	55.5	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 <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Nondurable Goods--Continued</i>										
<b>APPAREL AND RELATED PRODUCTS</b>	1,327.9	1,308.2	1,301.5	1,289.2	1,288.2	1,177.4	1,161.0	1,155.6	1,139.6	1,141.7
Men's and boys' suits and coats	115.4	114.7	111.6	118.8	117.9	103.0	102.7	99.5	106.2	105.4
Men's and boys' furnishings	341.8	336.6	333.4	334.1	330.3	310.7	305.6	302.8	303.3	300.2
Men's and boys' shirts and nightwear	-	123.7	122.9	126.8	125.3	-	112.2	111.3	114.3	113.2
Men's and boys' separate trousers	-	65.6	64.9	64.7	64.4	-	61.9	61.3	61.0	60.5
Work clothing	-	79.1	78.7	74.5	73.6	-	70.9	70.6	67.3	66.5
Women's, misses', and juniors' outerwear	398.3	393.8	396.0	380.2	388.4	354.5	351.3	354.1	336.8	346.1
Women's blouses, waists, and shirts	-	51.3	52.3	48.0	48.6	-	46.9	48.0	43.6	44.3
Women's, misses', and juniors' dresses	-	197.9	206.9	179.6	200.2	-	177.1	185.8	158.7	178.8
Women's suits, skirts, and coats	-	72.4	63.4	82.1	67.1	-	63.5	55.5	72.5	58.9
Women's and misses' outerwear, n.e.c.	-	72.2	73.4	70.5	72.5	-	63.8	64.8	62.0	64.1
Women's and children's undergarments	120.9	120.0	119.2	116.0	116.1	107.3	106.3	105.6	102.5	102.5
Women's and children's underwear	-	78.0	77.1	74.7	75.1	-	71.4	70.6	68.3	68.5
Corsets and allied garments	-	42.0	42.1	41.3	41.0	-	34.9	35.0	34.2	34.0
Hats, caps, and millinery	-	28.4	28.8	30.7	29.5	-	24.8	25.5	27.0	26.0
Girls' and children's outerwear	84.9	82.5	79.3	82.3	79.6	76.1	73.9	70.8	73.6	71.1
Children's dresses, blouses, and shirts	-	39.0	38.4	39.3	37.9	-	35.1	34.5	35.2	33.9
Fur goods and miscellaneous apparel	-	71.8	72.6	73.0	71.4	-	62.5	63.4	62.9	61.4
Miscellaneous fabricated textile products	163.6	160.4	160.6	154.1	155.0	136.4	133.9	133.9	127.3	129.0
Housefurnishings	-	55.5	56.5	52.9	52.9	-	46.5	47.4	44.4	44.5
<b>PAPER AND ALLIED PRODUCTS</b>	634.8	627.0	624.8	624.1	615.8	497.8	490.4	487.8	491.5	484.3
Paper and pulp	218.1	215.0	214.3	217.8	213.6	174.6	171.4	170.7	175.6	172.1
Paperboard	69.0	68.2	68.2	67.9	67.7	55.0	54.4	54.3	54.3	54.1
Converted paper and paperboard products	155.1	153.1	151.9	147.9	146.7	114.9	113.0	111.8	110.1	109.2
Bags, except textile bags	-	35.9	36.1	34.3	34.2	-	28.7	29.0	27.8	27.7
Paperboard containers and boxes	192.6	190.7	190.4	190.5	187.8	153.3	151.6	151.0	151.5	148.9
Folding and setup paperboard boxes	-	67.4	67.4	68.0	67.0	-	55.2	55.2	55.8	54.9
Corrugated and solid fiber boxes	-	81.5	81.1	80.6	79.4	-	62.8	62.3	61.6	60.6
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	950.8	945.3	942.7	932.8	927.9	603.2	600.3	598.6	592.4	589.8
Newspaper publishing and printing	329.9	327.6	326.1	325.9	323.4	166.8	166.5	165.6	163.9	163.1
Periodical publishing and printing	-	69.5	70.1	68.8	69.9	-	26.4	27.3	27.0	27.9
Books	-	78.4	78.3	74.4	74.1	-	48.7	48.4	45.2	45.0
Commercial printing	305.7	304.0	303.5	297.7	296.8	238.8	237.3	237.0	233.2	232.5
Commercial printing, except lithographic	-	204.9	203.9	200.1	199.2	-	161.4	160.3	158.1	157.3
Commercial printing, lithographic	-	88.3	89.1	87.1	87.0	-	67.2	68.2	66.4	66.4
Bookbinding and related industries	50.7	50.2	50.2	51.6	50.4	40.9	40.3	40.3	41.5	40.8
Other publishing and printing industries	116.8	115.6	114.5	114.4	113.3	82.2	81.1	80.0	81.6	80.5
<b>CHEMICALS AND ALLIED PRODUCTS</b>	884.0	881.7	880.9	870.2	869.4	533.4	533.9	532.9	527.3	530.0
Industrial chemicals	288.8	285.8	286.0	287.6	285.2	165.2	163.6	163.2	166.5	165.1
Plastics and synthetics, except glass	178.9	176.5	175.6	170.9	168.7	120.8	119.0	118.1	115.0	113.5
Plastics and synthetics, except fibers	-	76.6	75.9	75.6	74.3	-	48.9	48.3	48.5	47.8
Synthetic fibers	-	86.6	86.4	82.1	81.2	-	61.1	60.8	57.8	57.1
Drugs	118.5	117.1	116.8	116.8	115.4	63.7	62.3	62.3	63.2	62.5
Pharmaceutical preparations	-	86.2	85.9	86.2	85.1	-	44.3	44.2	44.9	44.3
Soap, cleaners, and toilet goods	101.8	99.0	98.7	99.2	97.7	62.2	60.1	60.0	59.7	58.7
Soap and detergents	-	35.8	35.4	36.6	35.7	-	25.0	24.6	25.5	24.7
Toilet preparations	-	33.5	34.0	34.2	34.0	-	19.6	20.1	20.0	20.1
Paints, varnishes, and allied products	67.3	66.0	65.4	65.3	64.1	38.7	37.4	37.0	37.6	36.8
Agricultural chemicals	49.7	58.7	60.1	48.9	56.8	32.7	41.6	43.3	32.3	40.3
Fertilizers, complete and mixing only	-	45.7	47.3	36.4	44.4	-	34.4	36.2	25.4	33.5
Other chemical products	79.0	78.6	78.3	81.5	81.5	50.1	49.9	49.0	53.0	53.1
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>	187.2	185.0	183.8	190.4	188.9	117.6	114.9	114.0	121.7	120.6
Petroleum refining	151.6	150.7	151.0	153.9	153.4	92.3	90.9	91.4	95.5	95.2
Other petroleum and coal products	35.6	34.3	32.8	36.5	35.5	25.3	24.0	22.6	26.2	25.4
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b>	419.7	414.6	411.3	412.4	410.4	324.1	319.4	316.1	319.1	317.0
Tires and inner tubes	96.4	95.7	95.1	98.7	98.4	69.1	68.5	68.1	71.9	71.5
Other rubber products	162.4	160.5	160.2	162.1	161.1	127.3	125.3	124.8	127.3	126.2
Miscellaneous plastic products	160.9	158.4	156.0	151.6	150.9	127.7	125.6	123.2	119.9	119.3
<b>LEATHER AND LEATHER PRODUCTS</b>	353.9	345.2	343.7	350.7	342.6	312.3	303.6	301.9	309.8	301.4
Leather tanning and finishing	32.4	31.9	31.5	31.5	30.9	28.3	27.8	27.5	27.7	27.0
Footwear, except rubber	241.3	235.5	232.6	235.7	232.3	214.7	209.4	206.3	210.3	206.6
Other leather products	80.2	77.8	79.6	83.5	79.4	69.3	66.4	68.1	71.8	67.8

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 <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	3,986	3,945	3,922	3,954	3,897	-	-	-	-	-
<b>RAILROAD TRANSPORTATION . . . . .</b>	-	764.8	762.0	788.9	779.7	-	-	-	-	-
Class I railroads . . . . .	-	670.5	668.0	694.7	684.5	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT . . . . .</b>	-	278.7	278.4	268.9	274.4	-	-	-	-	-
Local and suburban transportation . . . . .	-	85.4	85.1	87.7	88.1	-	81.1	80.8	83.3	83.9
Taxicabs . . . . .	-	111.2	113.3	111.7	112.7	-	-	-	-	-
Intercity and rural bus lines . . . . .	-	42.7	41.3	42.7	41.6	-	39.6	38.1	39.8	38.5
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .</b>	-	906.5	899.1	912.3	877.3	-	819.8	812.7	829.6	796.0
<b>AIR TRANSPORTATION . . . . .</b>	-	218.6	216.9	210.7	209.4	-	-	-	-	-
Air transportation, common carriers . . . . .	-	199.0	197.0	189.5	187.8	-	-	-	-	-
<b>PIPELINE TRANSPORTATION . . . . .</b>	-	19.4	19.4	20.4	19.9	-	16.3	16.4	17.6	17.1
<b>OTHER TRANSPORTATION . . . . .</b>	-	298.2	293.3	302.4	305.6	-	-	-	-	-
<b>COMMUNICATION . . . . .</b>	-	845.4	842.2	831.5	824.4	-	-	-	-	-
Telephone communication . . . . .	-	701.7	698.8	691.8	685.8	-	563.4	560.7	559.5	555.3
Telegraph communication . . . . .	-	33.0	32.9	34.1	34.7	-	23.0	22.9	24.3	24.7
Radio and television broadcasting . . . . .	-	106.4	106.2	101.3	99.6	-	87.1	86.9	83.6	81.5
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	-	612.9	610.6	619.1	606.7	-	533.4	530.9	541.3	529.5
Electric companies and systems . . . . .	-	247.3	246.2	249.2	243.8	-	210.1	209.2	213.0	207.8
Gas companies and systems . . . . .	-	153.5	153.4	156.9	153.5	-	135.0	134.7	138.7	135.4
Combined utility systems . . . . .	-	171.2	171.0	173.8	171.0	-	152.6	152.2	155.3	152.7
Water, steam, and sanitary systems . . . . .	-	40.9	40.0	39.2	38.4	-	35.7	34.8	34.3	33.6
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup> . . . . .</b>	12,186	12,089	11,987	11,848	11,720	-	9,092	9,019	8,926	8,829
<b>WHOLESALE TRADE . . . . .</b>	3,245	3,205	3,195	3,132	3,085	-	2,730	2,720	2,680	2,636
Motor vehicles and automotive equipment . . . . .	-	240.6	239.2	236.7	234.1	-	202.3	201.1	201.0	198.3
Drugs, chemicals, and allied products . . . . .	-	192.3	192.4	190.2	188.5	-	158.5	158.9	157.8	156.5
Dry goods and apparel . . . . .	-	135.1	134.4	134.1	131.9	-	111.7	110.5	110.9	109.0
Groceries and related products . . . . .	-	500.6	496.8	497.1	475.6	-	441.3	437.7	437.8	418.4
Electrical goods . . . . .	-	233.8	233.3	228.6	227.4	-	197.7	196.0	197.9	197.0
Hardware, plumbing, and heating goods . . . . .	-	146.8	146.4	145.8	144.1	-	125.8	125.7	126.3	124.7
Machinery, equipment, and supplies . . . . .	-	572.0	568.7	538.9	533.5	-	485.2	482.8	458.1	452.9
<b>RETAIL TRADE<sup>2</sup> . . . . .</b>	8,941	8,884	8,792	8,716	8,635	-	6,362	6,299	6,246	6,193
<b>GENERAL MERCHANDISE STORES . . . . .</b>	-	1,644.2	1,623.2	1,605.4	1,590.2	-	1,497.8	1,477.2	1,469.4	1,453.0
Department stores . . . . .	-	967.4	959.0	940.0	932.0	-	884.4	876.0	860.3	851.7
Limited price variety stores . . . . .	-	312.8	308.2	311.2	312.0	-	288.0	283.2	288.2	289.2
<b>FOOD STORES . . . . .</b>	-	1,435.0	1,437.1	1,402.8	1,395.2	-	1,336.6	1,337.8	1,308.6	1,301.3
Grocery, meat, and vegetable stores . . . . .	-	1,265.7	1,267.5	1,230.5	1,222.7	-	1,175.7	1,176.7	1,144.6	1,137.2
<b>APPAREL AND ACCESSORIES STORES . . . . .</b>	-	628.2	614.8	610.7	608.5	-	567.9	552.9	552.1	550.5
Men's and boys' apparel stores . . . . .	-	102.8	101.7	101.8	97.5	-	92.8	90.8	92.4	88.2
Women's ready-to-wear stores . . . . .	-	235.8	233.2	228.2	229.3	-	214.9	212.0	207.1	208.4
Family clothing stores . . . . .	-	92.6	91.1	91.2	90.0	-	85.8	84.3	84.4	83.4
Shoe stores . . . . .	-	127.1	120.8	122.6	124.1	-	111.8	105.5	108.2	110.0
<b>FURNITURE AND APPLIANCE STORES . . . . .</b>	-	395.6	395.7	389.7	387.2	-	350.2	350.3	346.7	343.8
<b>EATING AND DRINKING PLACES . . . . .</b>	-	1,830.0	1,803.8	1,817.9	1,789.2	-	-	-	-	-
<b>OTHER RETAIL TRADE . . . . .</b>	-	2,950.8	2,917.8	2,889.6	2,864.2	-	2,609.6	2,580.8	2,568.8	2,544.5
Motor vehicle dealers . . . . .	-	696.1	693.9	676.8	671.8	-	603.1	601.4	589.1	585.2
Other vehicle and accessory dealers . . . . .	-	171.9	168.1	167.9	163.4	-	147.8	144.8	143.6	140.0
Drug stores . . . . .	-	388.9	386.0	377.0	377.4	-	357.0	355.2	348.8	349.6

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 <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> . . . . .	2,953	2,925	2,913	2,885	2,858	-	-	-	-	-
Banking . . . . .	-	754.0	752.4	739.3	730.8	-	634.6	633.6	626.3	618.2
Credit agencies other than banks . . . . .	-	302.9	301.8	291.6	289.3	-	-	-	-	-
Savings and loan associations . . . . .	-	91.1	90.9	87.0	85.4	-	-	-	-	-
Personal credit institutions . . . . .	-	159.6	158.9	154.9	154.4	-	-	-	-	-
Security dealers and exchanges . . . . .	-	126.2	126.0	124.3	123.5	-	(*)	(*)	114.3	113.4
Insurance carriers . . . . .	-	876.9	876.8	865.3	861.6	-	(*)	(*)	775.3	772.6
Life insurance . . . . .	-	467.2	468.1	461.2	460.0	-	(*)	(*)	416.4	415.6
Accident and health insurance . . . . .	-	53.2	53.3	51.9	51.4	-	(*)	(*)	46.2	45.8
Fire, marine, and casualty insurance . . . . .	-	314.4	313.5	310.8	309.3	-	(*)	(*)	277.1	276.1
Insurance agents, brokers, and services . . . . .	-	223.0	223.0	219.2	217.4	-	-	-	-	-
Real estate . . . . .	-	565.6	556.8	569.2	559.5	-	-	-	-	-
Operative builders . . . . .	-	52.0	51.0	57.3	55.2	-	-	-	-	-
Other finance, insurance, and real estate . . . . .	-	75.9	75.7	76.4	76.1	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS</b> . . . . .	8,763	8,644	8,543	8,423	8,294	-	-	-	-	-
Hotel and lodging places . . . . .	-	664.6	636.8	692.7	626.0	-	-	-	-	-
Hotels, tourist courts, and motels . . . . .	-	614.3	591.3	633.8	575.7	-	574.2	551.7	597.4	541.8
Personal services:										
Laundries, cleaning and dyeing plants ** . . . . .	-	519.9	512.5	519.9	513.6	-	462.8	455.5	382.2	376.0
Miscellaneous business services:										
Advertising . . . . .	-	108.4	108.4	107.6	108.1	-	-	-	-	-
Motion pictures . . . . .	-	169.5	166.6	177.6	171.2	-	-	-	-	-
Motion picture filming and distributing . . . . .	-	35.3	34.4	34.3	33.0	-	22.9	22.4	22.6	21.6
Motion picture theaters and services . . . . .	-	134.2	132.2	143.3	138.2	-	-	-	-	-
Medical services:										
Hospitals . . . . .	-	1,337.5	1,336.8	1,302.9	1,290.7	-	-	-	-	-
<b>GOVERNMENT</b> . . . . .	9,855	9,887	9,873	9,506	9,546	-	-	-	-	-
<b>FEDERAL GOVERNMENT</b> <sup>3</sup> . . . . .	2,354	2,332	2,334	2,365	2,340	-	-	-	-	-
Executive . . . . .	-	2,302.4	2,304.1	2,334.4	2,311.0	-	-	-	-	-
Department of Defense . . . . .	-	935.0	937.0	951.5	949.9	-	-	-	-	-
Post Office Department . . . . .	-	585.1	586.8	585.7	582.8	-	-	-	-	-
Other agencies . . . . .	-	782.3	780.3	797.2	778.3	-	-	-	-	-
Legislative . . . . .	-	24.2	24.3	24.4	23.7	-	-	-	-	-
Judicial . . . . .	-	5.7	5.7	5.7	5.6	-	-	-	-	-
<b>STATE AND LOCAL GOVERNMENT</b> . . . . .	7,501	7,555	7,539	7,141	7,206	-	-	-	-	-
State government . . . . .	-	1,918.7	1,907.0	1,790.7	1,808.7	-	-	-	-	-
State education . . . . .	-	690.0	685.0	588.0	634.8	-	-	-	-	-
Other State government . . . . .	-	1,228.7	1,222.0	1,202.7	1,173.9	-	-	-	-	-
Local government . . . . .	-	5,636.6	5,632.2	5,349.9	5,397.3	-	-	-	-	-
Local education . . . . .	-	3,246.7	3,255.9	2,961.7	3,076.3	-	-	-	-	-
Other local government . . . . .	-	2,389.9	2,376.3	2,388.2	2,321.0	-	-	-	-	-

<sup>1</sup>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.

<sup>2</sup>Data for nonsupervisory workers exclude eating and drinking places.

<sup>3</sup>Prepared 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.

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

## 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	103.9	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:													
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.....	110.9	81.2	109.5	103.9	96.4	111.2	111.4	111.1	115.3	124.1	123.4	105.1	130.6
April.....	111.3	81.9	108.9	104.2	97.0	111.8	111.9	111.8	115.6	124.0	123.9	105.2	131.2
May.....	111.4	81.6	108.1	104.4	97.1	111.7	112.3	111.5	115.8	124.4	124.2	105.6	131.5
June.....	111.6	81.9	108.6	104.5	96.9	111.7	112.6	111.4	115.9	125.0	124.7	105.6	132.1

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	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
<b>TOTAL</b>	58,665	58,551	58,502	58,327	58,183	57,850	57,748	57,580	57,646	57,453	57,344	57,340	57,194
<b>MINING</b>	631	628	631	625	624	623	630	630	629	632	635	640	639
<b>CONTRACT CONSTRUCTION</b>	3,135	3,122	3,144	3,162	3,169	3,017	3,069	3,057	3,066	3,071	3,083	3,069	3,046
<b>MANUFACTURING</b>	17,344	17,323	17,301	17,242	17,175	17,119	17,127	17,061	17,119	17,076	17,033	17,103	17,075
<b>DURABLE GOODS</b>	9,872	9,855	9,868	9,814	9,750	9,726	9,737	9,688	9,718	9,705	9,652	9,701	9,685
Ordnance and accessories	259	263	266	268	270	276	276	275	277	275	275	277	278
Lumber and wood products	593	594	599	607	601	596	598	595	589	588	578	564	559
Furniture and fixtures	401	399	401	399	395	394	394	392	391	392	393	392	390
Stone, clay, and glass products	623	622	621	623	618	612	612	614	611	610	616	615	612
Primary metal industries	1,218	1,207	1,202	1,183	1,177	1,169	1,166	1,155	1,155	1,164	1,176	1,208	1,202
Fabricated metal products	1,193	1,189	1,194	1,186	1,176	1,164	1,169	1,162	1,164	1,165	1,162	1,159	1,156
Machinery	1,590	1,585	1,575	1,567	1,547	1,559	1,555	1,548	1,545	1,531	1,525	1,512	1,508
Electrical equipment	1,580	1,573	1,570	1,563	1,559	1,564	1,566	1,557	1,571	1,574	1,574	1,587	1,593
Transportation equipment	1,631	1,642	1,660	1,640	1,631	1,621	1,629	1,619	1,647	1,635	1,580	1,618	1,623
Instruments and related products	378	376	377	377	375	375	375	373	373	373	375	375	375
Miscellaneous manufacturing	406	405	403	401	401	396	397	398	395	398	398	394	389
<b>NONDURABLE GOODS</b>	7,472	7,468	7,433	7,428	7,425	7,393	7,390	7,373	7,401	7,371	7,381	7,402	7,390
Food and kindred products	1,715	1,724	1,724	1,735	1,743	1,741	1,741	1,733	1,742	1,723	1,728	1,730	1,732
Tobacco manufactures	90	90	90	90	89	88	91	95	89	86	91	87	88
Textile-mill products	896	898	897	899	897	891	888	889	890	886	887	891	889
Apparel and related products	1,345	1,337	1,318	1,309	1,310	1,299	1,295	1,291	1,312	1,306	1,302	1,317	1,306
Paper and allied products	631	631	629	627	627	624	624	622	620	622	623	623	620
Printing and publishing	954	952	947	943	942	940	939	931	934	935	937	935	936
Chemicals and allied products	882	877	873	876	872	872	871	870	871	869	870	870	868
Petroleum and related products	184	184	185	185	185	186	188	189	189	190	189	188	187
Rubber and plastic products	422	422	419	416	412	407	405	406	402	402	404	408	414
Leather and leather products	353	353	351	348	348	345	348	347	352	352	350	353	350
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	3,950	3,957	3,954	3,930	3,934	3,923	3,915	3,928	3,937	3,950	3,941	3,936	3,919
<b>WHOLESALE AND RETAIL TRADE</b>	12,202	12,198	12,211	12,143	12,143	12,072	11,963	11,941	11,935	11,922	11,907	11,884	11,864
<b>WHOLESALE TRADE</b>	3,261	3,251	3,240	3,227	3,216	3,214	3,190	3,176	3,173	3,170	3,155	3,159	3,148
<b>RETAIL TRADE</b>	8,941	8,947	8,971	8,916	8,927	8,858	8,773	8,765	8,762	8,752	8,752	8,725	8,716
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	2,932	2,931	2,925	2,918	2,911	2,904	2,892	2,887	2,887	2,873	2,873	2,870	2,865
<b>SERVICE AND MISCELLANEOUS</b>	8,617	8,575	8,543	8,552	8,515	8,474	8,447	8,423	8,430	8,377	8,373	8,349	8,282
<b>GOVERNMENT</b>	9,854	9,817	9,793	9,755	9,712	9,718	9,705	9,653	9,643	9,552	9,499	9,489	9,504
<b>FEDERAL</b>	2,338	2,337	2,329	2,328	2,321	2,349	2,349	2,347	2,352	2,347	2,348	2,351	2,349
<b>STATE AND LOCAL</b>	7,516	7,480	7,464	7,427	7,391	7,369	7,356	7,306	7,291	7,205	7,151	7,138	7,155

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	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
<b>MANUFACTURING</b>	12,855	12,829	12,813	12,759	12,697	12,639	12,653	12,590	12,649	12,611	12,575	12,650	12,628
<b>DURABLE GOODS</b>	7,266	7,241	7,260	7,207	7,148	7,120	7,129	7,081	7,110	7,097	7,051	7,103	7,086
Ordnance and accessories	108	110	112	113	114	118	118	117	120	119	119	119	120
Lumber and wood products	533	531	535	544	539	535	536	532	526	525	517	503	498
Furniture and fixtures	334	332	334	331	329	328	327	325	325	326	326	326	325
Stone, clay, and glass products	501	500	501	503	499	492	494	495	491	490	496	498	493
Primary metal industries	991	982	978	958	954	945	943	932	931	939	953	984	977
Fabricated metal products	918	914	920	912	903	894	897	891	895	895	891	891	888
Machinery	1,107	1,103	1,097	1,091	1,072	1,085	1,081	1,074	1,074	1,061	1,058	1,045	1,042
Electrical equipment	1,065	1,057	1,055	1,047	1,041	1,045	1,047	1,041	1,051	1,049	1,051	1,051	1,069
Transportation equipment	1,144	1,149	1,165	1,147	1,137	1,124	1,129	1,116	1,143	1,136	1,079	1,118	1,122
Instruments and related products	240	239	239	239	238	237	238	238	237	237	240	241	240
Miscellaneous manufacturing	325	324	324	322	322	317	319	320	317	320	321	317	312
<b>NONDURABLE GOODS</b>	5,589	5,588	5,553	5,552	5,549	5,519	5,524	5,509	5,539	5,514	5,524	5,547	5,542
Food and kindred products	1,126	1,136	1,133	1,146	1,154	1,154	1,155	1,148	1,159	1,143	1,149	1,148	1,151
Tobacco manufactures	79	78	78	78	77	75	80	82	77	73	79	75	75
Textile mill products	802	804	804	805	804	798	795	796	795	793	793	798	797
Apparel and related products	1,197	1,191	1,174	1,161	1,162	1,152	1,148	1,144	1,164	1,159	1,154	1,169	1,160
Paper and allied products	495	493	491	491	489	488	490	488	488	488	490	490	489
Printing and publishing	605	605	602	600	598	596	597	590	591	593	594	594	594
Chemicals and allied products	533	529	525	527	526	524	525	524	527	526	527	527	527
Petroleum and related products	115	114	115	116	116	116	118	119	120	120	120	120	119
Rubber and plastic products	326	326	323	321	317	312	310	311	308	309	310	315	321
Leather and leather products	311	312	308	307	306	304	306	307	310	310	308	311	309

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		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
Alabama	817.0	813.7	805.1	8.8	8.7	9.0	43.1	40.9	41.7
Alaska	64.4	60.0	61.7	1.2	1.1	1.2	5.0	3.9	3.7
Arizona	391.9	391.8	377.0	15.3	15.3	15.1	27.5	26.9	27.2
Arkansas	426.4	424.9	416.1	4.7	4.8	5.1	27.6	26.6	27.8
California	5,520.0	5,489.6	5,357.2	30.3	30.0	30.1	327.8	319.5	313.7
Colorado	561.8	557.4	557.1	11.0	10.9	11.8	35.8	34.5	35.4
Connecticut	978.2	975.6	964.3	(1)	(1)	(1)	48.1	46.4	44.7
Delaware	168.7	166.8	164.8	(2)	(2)	(2)	13.9	13.2	12.6
District of Columbia	593.6	590.6	579.4	(2)	(2)	(2)	24.8	23.7	23.9
Florida	1,485.7	1,502.3	1,420.5	9.0	9.0	8.6	116.3	114.8	112.5
Georgia	1,175.6	1,167.8	1,141.1	6.0	6.0	5.7	66.0	62.0	66.4
Hawaii	204.4	201.9	197.1	(2)	(2)	(2)	15.4	15.1	15.1
Idaho	164.1	162.3	162.5	3.3	3.3	3.2	8.5	7.9	9.1
Illinois	3,647.9	3,617.5	3,585.6	27.4	26.8	26.7	153.2	144.4	156.4
Indiana	1,524.6	1,510.3	1,499.8	9.5	9.4	9.7	68.4	63.2	61.6
Iowa	708.7	702.9	699.3	3.4	3.1	3.4	35.3	31.8	35.3
Kansas	587.4	584.5	581.2	14.3	14.2	15.2	32.0	31.3	33.8
Kentucky	707.1	703.8	704.9	27.6	28.6	30.0	34.8	33.5	44.8
Louisiana	821.2	816.7	809.1	46.4	45.8	43.3	56.5	54.1	55.1
Maine	277.0	269.1	276.3	(2)	(2)	(2)	13.0	10.1	12.9
Maryland	999.2	998.3	981.6	2.5	2.5	2.5	73.6	70.4	71.6
Massachusetts	1,969.0	1,948.5	1,954.3	(2)	(2)	(2)	95.9	84.8	81.5
Michigan <sup>3</sup>	2,468.7	2,448.7	2,393.7	13.3	13.1	13.4	100.0	94.6	93.6
Minnesota	1,016.7	994.9	1,003.6	13.5	11.9	13.6	57.7	49.2	55.2
Mississippi	449.2	446.3	444.1	6.3	6.3	6.6	25.7	23.6	27.3
Missouri	1,405.9	1,397.2	1,385.4	7.7	7.7	7.3	69.0	66.8	69.8
Montana	173.4	169.8	175.7	7.3	7.3	7.1	12.2	11.4	13.8
Nebraska	399.9	396.3	400.2	2.3	2.2	2.3	23.0	21.4	26.5
Nevada	148.5	145.9	140.0	2.9	2.8	2.9	15.2	14.4	17.2
New Hampshire	204.9	201.4	201.9	.3	.2	.3	9.8	8.3	9.6
New Jersey	2,104.3	2,091.6	2,108.1	3.7	3.6	3.5	94.1	95.9	97.2
New Mexico	258.3	253.7	247.8	18.0	17.7	17.6	20.1	18.8	18.0
New York	6,318.3	6,266.2	6,278.3	9.1	8.7	9.2	258.6	252.8	278.1
North Carolina	1,308.2	1,303.3	1,281.7	2.5	2.4	2.7	73.4	70.6	71.7
North Dakota	132.9	128.3	131.8	1.8	1.7	1.7	10.6	7.8	11.4
Ohio	3,182.8	3,163.0	3,168.4	18.4	18.3	18.9	133.8	128.6	141.8
Oklahoma	622.1	621.6	614.3	41.5	42.3	42.9	38.8	39.1	38.1
Oregon	552.9	547.2	538.5	1.5	1.5	1.3	26.9	26.3	26.5
Pennsylvania	3,729.8	3,696.6	3,714.4	47.2	46.2	48.3	150.6	137.2	150.2
Rhode Island	296.2	295.6	297.5	(2)	(2)	(2)	11.7	12.2	13.2
South Carolina	641.1	636.6	626.8	1.6	1.5	1.6	35.6	34.4	36.5
South Dakota	153.3	149.0	153.9	2.5	2.5	2.5	12.7	10.2	13.0
Tennessee	1,031.3	1,021.3	995.6	6.7	6.8	6.7	58.7	55.1	54.4
Texas	2,742.7	2,736.9	2,687.4	111.9	112.1	112.7	179.3	177.7	176.3
Utah	298.3	293.6	295.8	11.9	11.4	11.9	17.3	15.3	18.6
Vermont	109.8	107.3	108.9	1.3	1.3	1.2	5.8	4.8	5.9
Virginia	1,157.5	1,148.9	1,121.8	15.6	15.5	16.0	92.2	87.2	85.0
Washington	845.1	838.1	852.1	1.8	1.6	1.9	42.0	41.3	44.2
West Virginia	456.2	451.7	450.3	45.6	45.4	47.2	23.5	20.5	19.4
Wisconsin	1,248.8	1,230.8	1,223.3	2.7	2.5	2.6	56.0	49.8	53.5
Wyoming	96.7	92.5	93.9	9.1	9.2	9.4	11.0	9.7	9.1

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**

(In thousands)

State	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
Alabama.....	248.0	247.3	245.4	47.9	48.0	49.1	157.2	156.5	153.4
Alaska.....	5.6	4.2	5.9	6.6	6.0	7.0	8.4	8.1	8.6
Arizona.....	58.2	57.8	58.3	25.4	25.2	25.3	95.3	95.0	89.1
Arkansas.....	120.0	120.8	118.4	28.9	28.9	28.2	90.9	90.4	88.0
California.....	1,398.0	1,401.1	1,402.7	373.9	371.5	362.4	1,184.7	1,171.4	1,141.2
Colorado.....	91.1	90.4	91.6	44.1	43.9	43.6	130.9	130.0	129.2
Connecticut.....	417.0	418.8	422.1	45.5	45.2	44.9	175.5	174.8	169.0
Delaware.....	60.5	59.8	60.0	10.9	10.9	10.8	32.3	32.2	31.4
District of Columbia.....	20.1	20.0	20.1	29.4	29.3	29.0	87.9	87.4	84.9
Florida.....	235.9	237.7	226.8	106.2	106.2	101.8	404.4	412.1	378.5
Georgia.....	370.2	369.2	359.9	78.1	77.0	75.5	236.7	235.7	232.4
Hawaii.....	25.8	24.4	23.8	15.4	15.4	15.3	47.7	47.5	45.3
Idaho.....	31.6	31.9	30.1	14.2	13.9	14.3	40.3	39.9	40.7
Illinois.....	1,222.2	1,216.5	1,193.4	273.6	270.8	272.3	765.2	758.9	756.7
Indiana.....	618.6	614.0	613.9	87.8	87.7	88.4	300.4	298.0	295.0
Iowa.....	180.6	178.9	178.2	49.0	48.5	49.2	175.2	175.0	171.7
Kansas.....	118.7	118.5	114.6	51.5	51.3	51.9	134.7	132.9	134.2
Kentucky.....	187.5	186.0	181.3	54.2	54.4	53.1	145.6	145.6	144.5
Louisiana.....	145.5	144.4	143.8	79.6	79.6	79.3	185.2	184.6	182.1
Maine.....	100.4	97.7	100.7	16.8	16.6	17.2	53.3	52.6	53.1
Maryland.....	255.5	253.9	259.3	72.2	73.0	71.5	209.8	214.8	209.0
Massachusetts.....	644.1	644.3	662.5	102.0	101.8	101.7	403.7	399.1	402.0
Michigan <sup>3</sup> .....	1,008.0	1,004.7	975.7	131.1	129.2	129.1	454.8	450.9	442.0
Minnesota.....	240.5	236.9	239.1	78.9	77.2	78.0	244.9	242.2	241.6
Mississippi.....	136.2	135.1	133.2	25.5	25.7	25.3	87.6	87.8	86.8
Missouri.....	403.8	400.9	391.6	114.2	114.4	114.4	311.6	309.5	314.2
Montana.....	20.9	20.3	22.4	17.6	17.2	17.6	40.7	39.9	40.7
Nebraska.....	67.4	66.2	66.1	36.9	36.6	36.6	97.2	96.8	98.0
Nevada.....	6.8	6.8	6.5	11.6	11.4	10.7	27.9	27.4	25.2
New Hampshire.....	85.0	84.7	85.4	9.6	9.5	9.6	37.9	37.4	37.5
New Jersey.....	779.0	773.8	804.6	149.5	149.2	151.2	413.5	410.1	402.3
New Mexico.....	17.5	17.2	16.6	19.6	19.4	19.6	53.8	52.7	51.4
New York.....	1,786.2	1,780.4	1,803.4	471.0	467.9	467.0	1,281.9	1,267.4	1,273.0
North Carolina.....	538.8	539.4	529.6	68.8	68.6	66.8	237.4	236.3	233.7
North Dakota.....	7.2	7.1	7.1	11.9	11.6	12.0	36.9	36.6	36.8
Ohio.....	1,237.3	1,234.6	1,240.0	199.7	198.0	198.5	614.7	610.1	609.6
Oklahoma.....	94.4	94.7	90.0	45.6	45.4	46.2	143.6	142.8	141.8
Oregon.....	143.4	142.1	141.0	43.5	42.8	42.6	122.0	120.9	119.5
Pennsylvania.....	1,412.2	1,409.7	1,407.0	257.8	256.4	261.7	681.3	674.9	680.1
Rhode Island.....	113.9	113.1	114.7	14.5	14.4	14.5	56.1	55.8	55.8
South Carolina.....	278.0	276.6	269.1	26.9	26.7	26.2	107.3	106.9	105.6
South Dakota.....	12.6	12.6	15.0	9.7	9.6	9.9	40.6	40.0	39.9
Tennessee.....	352.8	350.3	341.6	55.9	55.7	54.7	204.8	203.9	198.5
Texas.....	526.5	524.9	512.6	213.8	214.3	216.9	676.9	676.8	667.4
Utah.....	50.8	51.5	53.9	21.5	21.2	21.9	67.2	66.2	65.8
Vermont.....	34.7	34.0	35.0	7.0	6.9	6.9	21.1	20.5	20.7
Virginia.....	300.6	299.3	292.6	83.7	83.9	82.5	236.4	235.3	228.3
Washington.....	215.5	213.0	224.1	59.3	58.9	59.9	184.5	183.3	184.0
West Virginia.....	123.9	124.8	122.9	41.0	40.7	40.9	78.9	78.3	78.4
Wisconsin.....	458.6	456.5	454.8	72.2	70.9	72.7	254.2	250.8	248.1
Wyoming.....	6.5	6.5	6.5	10.2	10.1	10.3	19.5	18.5	19.5

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**

(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
Alabama	33.8	33.9	33.8	103.2	103.1	101.7	175.0	175.3	170.9
Alaska	2.0	1.9	1.7	6.9	6.6	6.6	28.7	28.2	27.4
Arizona	20.7	20.6	19.5	61.0	62.6	58.9	88.5	88.4	83.6
Arkansas	16.7	16.7	15.8	56.2	55.6	53.8	81.4	81.1	79.0
California	293.1	292.0	281.1	865.5	857.6	825.0	1,046.7	1,046.5	1,001.0
Colorado	29.1	28.8	29.2	89.3	88.6	88.2	130.5	130.3	128.1
Connecticut	57.4	57.6	55.9	128.9	127.2	126.0	105.7	105.7	101.7
Delaware	6.7	6.7	6.4	21.7	21.2	22.2	22.7	22.8	21.4
District of Columbia <sup>4</sup>	30.5	30.2	29.6	106.4	105.8	105.2	294.5	294.2	286.7
Florida	90.9	90.9	90.0	251.7	259.6	241.1	271.3	272.0	261.2
Georgia	57.2	57.2	55.6	137.7	137.1	130.2	223.7	223.6	215.4
Hawaii	11.0	10.9	10.7	35.1	34.9	33.9	54.0	53.7	53.0
Idaho	6.7	6.6	6.5	21.4	21.2	21.0	38.1	37.6	37.6
Illinois	196.5	196.2	194.7	539.1	533.1	527.4	470.8	471.0	457.9
Indiana	62.4	62.3	61.7	159.3	158.1	157.8	218.1	217.5	211.8
Iowa	34.4	34.3	33.5	104.0	103.6	101.8	126.9	127.8	126.0
Kansas	25.0	25.0	24.7	81.1	80.7	78.5	130.6	130.6	123.7
Kentucky	27.9	27.6	27.4	100.0	98.3	95.9	129.5	129.8	128.0
Louisiana	37.8	37.8	37.5	112.0	111.5	111.9	158.2	158.9	156.1
Maine	9.9	9.9	9.7	31.5	30.5	31.5	52.1	51.7	51.2
Maryland <sup>4</sup>	52.4	51.9	49.6	157.1	155.1	151.6	176.1	176.7	166.5
Massachusetts	104.7	104.6	104.4	351.4	346.8	338.8	267.2	267.1	263.4
Michigan <sup>3</sup>	91.9	91.4	87.3	308.7	303.5	299.4	360.7	361.4	353.2
Minnesota	51.0	50.5	51.0	154.9	153.5	154.0	175.4	173.5	171.1
Mississippi	15.8	15.8	15.6	52.4	51.9	51.4	99.7	100.0	97.9
Missouri	77.6	77.6	75.4	204.2	202.2	200.6	217.8	218.1	212.1
Montana	6.8	6.8	6.8	23.9	23.3	23.9	44.0	43.6	43.4
Nebraska	24.6	24.7	24.2	62.1	61.0	61.6	86.4	87.5	84.9
Nevada	6.0	6.0	5.5	52.7	52.0	48.2	25.4	25.1	23.8
New Hampshire	7.9	7.9	7.7	29.0	28.0	27.6	25.4	25.5	24.4
New Jersey	96.7	96.1	95.1	301.9	297.2	292.7	265.9	265.7	261.5
New Mexico	11.4	11.3	11.0	44.5	43.7	42.0	73.4	72.9	71.6
New York	501.4	500.0	498.3	1,094.7	1,076.4	1,053.3	915.4	912.5	896.0
North Carolina	51.0	50.8	48.9	143.5	142.5	140.7	192.8	192.7	187.6
North Dakota	6.5	6.4	6.1	23.4	23.3	22.8	34.6	33.9	33.9
Ohio	128.7	128.2	126.6	406.9	401.4	398.3	443.5	443.8	434.7
Oklahoma	29.0	28.8	29.1	83.1	81.8	83.2	146.1	146.7	143.0
Oregon	24.7	24.7	23.8	78.3	77.4	75.1	112.6	111.5	108.7
Pennsylvania	158.6	158.1	157.4	537.6	531.3	535.4	484.5	482.8	474.3
Rhode Island	13.4	13.5	13.2	43.6	43.5	43.5	43.0	43.1	42.6
South Carolina	23.5	23.4	23.2	63.0	62.3	62.1	105.2	104.8	102.5
South Dakota	6.5	6.4	6.6	25.8	25.3	24.3	43.1	42.6	42.9
Tennessee	45.3	44.9	43.8	140.4	139.2	135.5	166.7	165.4	160.4
Texas	146.7	145.9	141.4	392.9	390.5	378.1	494.7	494.7	482.0
Utah	12.7	12.6	12.4	41.9	40.5	39.2	75.0	74.9	72.1
Vermont	4.3	4.3	4.3	18.6	18.6	18.0	17.2	17.1	17.0
Virginia <sup>4</sup>	50.8	50.4	48.8	155.5	154.5	150.2	222.7	222.8	218.4
Washington	42.7	42.5	43.1	114.0	112.8	113.9	185.3	184.7	181.0
West Virginia	13.4	13.2	13.4	54.7	54.1	54.5	75.2	74.7	73.6
Wisconsin	49.7	49.6	48.5	164.4	161.7	161.0	191.1	189.1	182.1
Wyoming	3.2	3.2	3.2	11.3	10.2	11.0	25.9	25.1	24.9

<sup>1</sup> Combined with construction.<sup>2</sup> Combined with service.<sup>3</sup> Revised series; not strictly comparable with previously published data.<sup>4</sup> 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	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	ALABAMA						ARIZONA					
	Birmingham			Mobile			Phoenix			Tucson		
TOTAL.....	199.9	199.3	198.5	95.7	96.0	95.9	224.0	224.6	210.4	78.9	79.0	79.7
Mining.....	4.4	4.4	4.5	(1)	(1)	(1)	.2	.2	.2	3.2	3.2	3.3
Contract construction..	10.2	9.9	10.4	5.5	5.5	5.7	16.2	15.8	15.5	6.5	6.3	6.5
Manufacturing.....	59.2	59.2	59.9	16.8	17.1	17.0	44.1	43.9	40.7	6.9	6.7	10.0
Trans. and pub. util...	16.1	16.1	16.1	11.1	11.1	10.5	14.0	13.9	13.5	5.3	5.2	5.3
Trade.....	47.1	47.0	46.0	21.0	20.9	20.5	58.7	58.9	54.2	18.3	18.3	17.6
Finance.....	14.4	14.4	14.2	4.0	4.0	4.0	14.7	14.6	13.9	3.9	3.9	3.7
Service.....	25.6	25.5	25.1	12.2	12.2	11.8	35.2	36.5	34.0	14.3	14.7	14.1
Government.....	22.9	22.8	22.3	25.1	25.2	26.4	40.9	40.8	38.4	20.5	20.7	19.2
<b>ARKANSAS</b>												
	Fayetteville			Fort Smith			Little Rock - N. Little Rock			Pine Bluff		
TOTAL.....	17.2	17.1	16.4	28.4	29.7	28.9	92.4	92.2	89.4	20.4	20.4	19.3
Mining.....	(1)	(1)	(1)	.2	.3	.2	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.0	1.0	1.0	2.0	2.1	2.0	6.7	6.7	7.3	1.9	1.8	1.4
Manufacturing.....	5.0	5.0	4.6	9.7	11.1	10.5	17.8	17.8	16.4	5.3	5.4	5.3
Trans. and pub. util...	1.4	1.4	1.3	1.9	1.9	1.6	7.9	8.0	7.9	2.6	2.6	2.5
Trade.....	3.7	3.7	3.5	6.5	6.4	6.4	20.3	20.3	19.9	3.7	3.8	3.6
Finance.....	.5	.5	.5	.9	.9	.9	7.0	7.0	6.7	.7	.7	.7
Service.....	2.0	2.0	1.9	4.0	3.9	3.9	13.8	13.8	13.5	1.9	1.9	1.8
Government.....	3.6	3.6	3.6	3.1	3.1	3.2	18.8	18.6	17.7	4.3	4.3	4.0
<b>CALIFORNIA</b>												
	Bakersfield			Fresno			Los Angeles - Long Beach			Sacramento		
TOTAL.....	75.9	74.5	74.1	92.9	91.5	89.3	2,669.6	2,661.1	2,590.2	187.1	185.6	181.8
Mining.....	6.5	6.5	6.9	1.0	1.0	.9	12.0	12.0	11.9	.2	.2	.2
Contract construction..	3.9	3.8	3.9	5.4	5.2	5.3	145.1	141.2	139.0	12.4	11.9	11.4
Manufacturing.....	7.7	7.7	7.3	14.7	14.6	14.2	852.6	855.1	849.2	32.0	31.5	32.8
Trans. and pub. util...	5.8	5.5	5.7	7.5	7.5	7.2	153.5	152.8	146.8	12.9	12.8	12.5
Trade.....	17.2	16.7	16.9	25.0	24.2	24.6	576.8	572.0	555.8	35.5	35.5	34.3
Finance.....	2.9	2.9	2.7	4.5	4.5	4.4	146.9	146.7	139.9	8.3	8.2	7.8
Service.....	10.8	10.4	10.4	14.6	14.3	13.9	424.9	422.6	406.6	20.9	20.7	19.5
Government.....	21.1	21.0	20.3	20.2	20.2	18.8	357.8	358.7	341.0	64.9	64.8	63.3
<b>CALIFORNIA - Continued</b>												
	San Bernardino - Riverside - Ontario			San Diego			San Francisco - Oakland			San Jose		
TOTAL.....	227.9	226.9	215.6	260.4	259.5	259.3	1,084.4	1,077.6	1,055.6	255.8	255.5	240.4
Mining.....	1.4	1.4	1.2	.4	.4	.4	1.9	1.9	1.8	.1	.1	.1
Contract construction..	17.3	16.7	16.6	15.1	14.8	14.9	67.2	65.4	63.3	19.3	18.6	17.4
Manufacturing.....	38.8	38.5	38.0	51.7	51.7	56.9	197.5	196.3	198.0	81.9	83.9	82.4
Trans. and pub. util...	16.6	16.4	15.2	14.8	14.7	13.9	109.1	108.5	104.7	10.7	10.5	9.9
Trade.....	49.1	49.1	45.7	56.7	56.2	54.9	237.3	236.1	230.5	45.6	45.1	41.1
Finance.....	8.7	8.6	8.3	12.4	12.3	11.9	82.4	82.1	79.5	9.8	9.8	9.2
Service.....	36.1	36.7	34.0	45.7	45.4	43.4	162.4	160.7	156.2	48.4	47.7	44.2
Government.....	59.9	59.5	56.6	63.6	64.0	63.0	226.6	226.6	221.6	40.6	39.8	36.1
<b>CALIFORNIA - Continued</b>												
	Stockton			Denver			Bridgeport			Hartford		
TOTAL.....	69.0	67.6	66.4	364.2	361.7	360.2	129.1	130.0	129.5	256.7	256.0	254.3
Mining.....	.1	.1	.1	3.0	3.0	3.4	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	3.7	3.5	3.3	23.2	22.4	22.0	5.1	4.8	4.9	12.5	11.5	12.2
Manufacturing.....	13.1	13.5	12.6	67.8	67.3	68.5	67.4	69.1	69.0	92.2	92.7	94.0
Trans. and pub. util...	5.8	5.8	5.7	30.6	30.3	30.1	5.7	5.6	5.7	9.6	9.6	9.4
Trade.....	17.0	15.9	16.7	88.6	88.3	87.5	22.7	22.3	22.2	49.0	49.0	47.5
Finance.....	2.4	2.4	2.2	21.9	21.7	22.3	3.7	3.7	3.7	33.4	33.6	32.8
Service.....	10.0	9.5	9.5	61.2	60.6	59.8	14.4	14.3	14.2	33.2	33.1	32.5
Government.....	16.9	16.9	16.3	67.9	68.1	66.6	10.1	10.2	10.0	26.7	26.6	26.0

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	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	CONNECTICUT - Continued											
	New Britain			New Haven			Stamford			Waterbury		
TOTAL.....	40.9	41.0	40.6	129.6	128.8	130.4	63.8	63.5	63.0	67.2	67.0	67.9
Mining.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	1.4	1.3	1.5	8.2	7.5	7.8	3.4	3.1	3.3	1.9	1.7	1.8
Manufacturing.....	23.5	23.7	23.3	40.6	41.0	43.2	23.0	23.3	23.9	36.6	36.5	37.9
Trans. and pub. util...	1.9	1.9	1.8	12.6	12.6	12.5	2.8	2.8	2.7	2.8	2.8	2.7
Trade.....	6.2	6.2	6.1	25.4	25.2	25.1	13.5	13.4	12.9	10.1	10.1	10.0
Finance.....	.9	.9	.9	7.3	7.3	7.1	2.7	2.7	2.6	1.8	1.8	1.7
Service.....	4.0	4.0	4.0	23.3	23.0	22.8	12.3	12.1	11.6	7.9	7.9	7.6
Government.....	3.1	3.1	3.1	12.3	12.3	12.0	6.1	6.1	6.0	6.2	6.2	6.1
	DELAWARE			DISTRICT OF COLUMBIA			FLORIDA					
	Wilmington			Washington			Jacksonville			Miami		
TOTAL.....	154.0	152.5	151.4	857.3	851.2	835.5	150.5	149.9	148.8	329.3	334.3	328.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	10.6	10.3	10.7	61.6	59.5	63.3	10.0	9.5	10.0	18.9	18.9	20.7
Manufacturing.....	62.1	61.5	60.9	37.0	36.9	36.8	20.9	20.9	21.2	47.5	47.5	47.5
Trans. and pub. util...	9.4	9.4	9.2	46.9	46.7	45.6	15.6	15.6	15.4	34.6	34.7	33.1
Trade.....	26.8	26.7	26.4	167.4	165.3	158.5	42.5	42.3	41.6	92.5	94.0	92.2
Finance.....	6.0	6.0	5.7	49.4	48.9	47.8	14.5	14.4	14.1	23.2	23.4	22.7
Service.....	19.4	18.8	20.1	167.7	166.6	165.2	21.7	21.6	21.3	68.6	71.4	69.3
Government.....	19.7	19.8	18.4	327.3	327.3	318.3	25.3	25.6	25.2	44.0	44.4	42.8
	FLORIDA - Continued			GEORGIA			HAWAII					
	Tampa - St. Petersburg			Atlanta			Savannah			Honolulu		
TOTAL.....	216.4	218.0	209.1	437.8	433.6	418.3	55.7	55.3	54.1	174.1	171.9	166.0
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	18.6	18.7	18.7	30.4	28.0	26.9	3.7	3.4	3.0	13.0	12.9	13.0
Manufacturing.....	40.3	40.3	36.7	99.3	98.9	95.8	14.3	14.4	14.3	18.7	17.3	16.1
Trans. and pub. util...	15.9	16.1	15.9	38.9	38.3	38.0	6.1	6.0	6.6	13.6	13.5	12.9
Trade.....	61.7	62.7	60.4	112.4	112.2	108.2	12.3	12.3	11.4	41.1	40.9	38.8
Finance.....	13.1	12.9	12.9	32.3	32.1	31.1	2.8	2.8	2.9	10.0	10.0	9.9
Service.....	34.3	35.0	33.6	61.0	60.9	57.1	7.6	7.6	7.1	31.0	30.9	29.4
Government.....	32.5	32.3	30.9	63.5	63.2	61.2	8.9	8.8	8.8	46.7	46.4	45.9
	IDAHO			ILLINOIS								
	Boise			Chicago			Davenport - Rock Island - Moline			Peoria		
TOTAL.....	29.9	29.4	29.4	2,517.7	2,499.4	2,491.1	116.1	115.3	110.6	109.9	108.3	102.9
Mining.....	(1)	(1)	(1)	6.8	6.7	6.4	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	2.0	1.9	2.1	101.4	94.8	102.3	5.3	5.0	5.6	6.4	5.9	5.6
Manufacturing.....	2.9	2.8	2.7	852.0	849.9	844.9	44.7	44.5	40.4	43.2	42.8	39.4
Trans. and pub. util...	2.8	2.7	2.8	194.5	192.2	193.0	6.3	6.2	6.4	6.2	6.3	6.4
Trade.....	8.4	8.3	8.4	537.4	533.7	535.1	24.0	23.8	23.3	24.3	23.8	22.7
Finance.....	2.2	2.2	2.1	155.9	155.7	154.9	4.3	4.4	4.3	4.2	4.2	4.0
Service.....	4.3	4.3	4.3	404.2	400.5	394.3	13.8	13.7	13.1	14.1	14.0	13.8
Government.....	7.3	7.2	7.0	265.5	266.0	260.1	17.6	17.7	17.5	11.5	11.5	11.0
	ILLINOIS - Continued			INDIANA								
	Rockford			Evansville			Fort Wayne			Indianapolis		
TOTAL.....	84.5	84.2	80.9	66.5	66.2	67.2	91.1	90.4	90.2	309.3	306.5	306.6
Mining.....	(2)	(2)	(2)	1.6	1.5	1.6	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	3.8	4.2	4.1	2.7	2.3	2.8	4.0	3.7	4.3	14.0	13.2	13.9
Manufacturing.....	44.5	44.2	41.7	25.5	25.8	26.1	37.6	37.2	36.9	105.2	104.7	104.6
Trans. and pub. util...	3.1	3.0	3.0	4.4	4.4	4.5	6.6	6.6	6.6	21.8	21.6	21.5
Trade.....	15.6	15.3	15.0	14.8	14.7	14.7	19.8	19.7	20.0	66.7	66.3	66.3
Finance.....	2.7	2.7	2.7	2.5	2.5	2.5	4.9	4.9	4.8	21.6	21.6	21.0
Service.....	9.4	9.3	9.1	8.9	8.8	9.0	10.7	10.7	10.4	34.9	34.0	34.3
Government.....	5.6	5.6	5.3	6.1	6.2	6.0	7.5	7.6	7.2	45.1	45.1	45.0

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	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	INDIANA - Continued			IOWA			KANSAS					
	South Bend			Des Moines			Topeka			Wichita <sup>3</sup>		
TOTAL.....	75.8	75.7	80.4	104.6	103.9	103.2	50.1	49.6	49.4	130.8	130.9	125.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.1	.1	.1	2.7	2.6	2.6
Contract construction..	2.6	2.6	2.7	4.8	4.5	4.2	2.9	2.8	3.1	6.7	6.7	6.1
Manufacturing.....	29.9	30.0	35.1	21.8	21.7	21.5	6.9	6.8	6.7	45.1	45.4	41.4
Trans. and pub. util...	3.6	3.6	3.8	8.0	7.9	8.0	6.9	6.8	6.9	7.3	7.2	7.1
Trade.....	15.9	15.7	15.8	26.6	26.1	26.2	10.3	10.2	10.1	28.4	28.5	28.3
Finance.....	4.4	4.4	4.4	11.9	11.9	11.8	2.9	2.9	2.8	5.9	5.9	6.0
Service.....	12.5	12.5	12.1	16.6	16.6	16.4	7.9	7.9	7.6	18.8	18.6	18.0
Government.....	6.9	6.9	6.5	15.1	15.2	15.3	12.3	12.3	12.2	16.1	16.2	16.1
	KENTUCKY			LOUISIANA								
	Louisville			Baton Rouge			New Orleans			Shreveport		
TOTAL.....	258.8	255.2	253.4	73.3	72.9	72.4	308.3	307.4	295.9	76.1	75.7	74.1
Mining.....	(1)	(1)	(1)	.2	.2	.3	9.5	9.5	9.2	5.5	5.6	5.2
Contract construction..	13.6	13.3	13.8	6.8	6.5	7.0	20.3	19.7	18.7	6.1	5.8	5.6
Manufacturing.....	90.2	89.4	86.9	15.4	15.3	16.2	52.8	52.4	48.5	9.9	9.9	9.6
Trans. and pub. util...	20.6	20.8	20.3	4.3	4.3	4.3	41.0	40.2	40.1	8.5	8.5	8.3
Trade.....	54.7	54.0	54.5	15.5	15.5	15.2	75.2	76.3	71.7	19.7	19.7	19.4
Finance.....	12.7	12.7	13.0	3.8	3.8	3.7	18.2	18.2	18.5	3.9	3.9	3.9
Service.....	37.6	35.9	37.1	9.9	9.9	9.2	50.7	50.5	49.4	10.4	10.4	10.3
Government.....	29.4	29.0	27.8	17.3	17.3	16.5	40.6	40.6	39.8	11.9	11.9	11.7
	MAINE			MARYLAND			MASSACHUSETTS					
	Lewiston - Auburn			Portland <sup>3</sup>			Baltimore			Boston		
TOTAL.....	24.4	24.0	25.7	55.2	54.2	54.3	638.9	642.0	636.5	1,110.2	1,099.0	1,100.0
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.9	.9	.9	(1)	(1)	(1)
Contract construction..	1.1	.9	1.0	2.9	2.6	3.0	38.8	36.9	38.2	57.0	50.8	48.7
Manufacturing.....	11.3	11.2	12.9	13.2	13.0	12.8	186.1	184.9	190.0	273.7	272.9	285.5
Trans. and pub. util...	.9	.9	.9	5.5	5.3	5.4	54.3	55.0	53.4	65.5	65.4	65.4
Trade.....	5.2	5.2	5.1	14.9	14.7	14.7	127.5	133.3	130.4	248.2	245.6	247.8
Finance.....	.8	.8	.8	4.1	4.1	4.0	35.2	35.0	34.1	75.6	75.6	75.5
Service.....	3.4	3.3	3.3	8.7	8.6	8.7	96.7	95.9	93.4	238.4	237.2	229.3
Government.....	1.7	1.7	1.7	5.9	5.9	5.7	99.4	100.1	96.1	151.8	151.5	147.8
	MASSACHUSETTS - Continued											
	Fall River			New Bedford			Springfield - Chicopee - Holyoke			Worcester		
TOTAL.....	40.7	40.8	43.1	49.5	49.6	50.1	173.4	172.2	171.7	114.8	113.9	114.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	(1)	(1)	(1)	1.5	1.4	1.7	6.7	6.1	5.3	4.4	3.9	4.4
Manufacturing.....	21.1	21.5	23.4	25.7	25.9	26.1	68.4	68.1	67.4	46.9	46.8	46.8
Trans. and pub. util...	1.5	1.5	1.5	2.3	2.3	2.3	7.6	7.5	7.9	4.2	4.2	4.3
Trade.....	7.7	7.5	7.7	8.9	8.9	8.8	33.9	33.8	34.3	21.5	21.3	21.8
Finance.....	(1)	(1)	(1)	(1)	(1)	(1)	8.5	8.5	8.5	5.6	5.6	5.4
Service.....	7.1	7.0	7.2	7.1	7.1	7.2	27.1	26.8	27.0	17.8	17.7	17.3
Government.....	3.3	3.3	3.3	4.0	4.0	4.0	21.2	21.4	21.2	14.4	14.4	14.3
	MICHIGAN											
	Detroit <sup>4</sup>			Flint			Grand Rapids			Lansing		
TOTAL.....	1,252.5	1,243.0	1,202.8	129.1	129.6	124.9	122.6	122.5	120.6	98.2	97.8	94.4
Mining.....	.8	.8	.8	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	49.3	48.2	45.4	3.7	3.9	3.5	6.1	5.9	6.3	3.8	3.6	4.0
Manufacturing.....	524.9	522.5	503.2	76.7	77.1	73.8	52.4	52.7	50.7	33.2	33.1	30.4
Trans. and pub. util...	70.3	68.0	66.8	4.6	4.6	4.3	8.2	8.2	8.4	3.3	3.3	3.2
Trade.....	242.5	240.9	230.7	18.4	18.2	18.3	26.3	26.2	25.8	17.0	16.9	16.8
Finance.....	55.1	54.8	53.5	2.9	2.8	2.7	5.1	5.1	4.9	3.2	3.2	3.3
Service.....	168.0	166.1	162.4	11.3	11.3	10.9	14.9	14.7	14.8	9.9	9.8	9.8
Government.....	141.6	141.9	140.0	11.6	11.6	11.4	9.7	9.7	9.7	27.9	27.9	26.9

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

Industry division	(In thousands)											
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	MICHIGAN - Continued						MINNESOTA					
	Muskegon - Muskegon Heights			Saginaw			Duluth - Superior			Minneapolis - St. Paul		
TOTAL.....	43.9	44.3	46.5	58.7	58.4	56.3	49.7	47.9	49.7	609.3	600.4	600.7
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.1	1.2	1.2	2.7	2.4	2.7	2.4	2.0	2.0	34.5	30.0	34.3
Manufacturing.....	22.9	23.5	25.5	27.0	27.1	25.1	9.4	9.5	9.3	160.1	158.5	158.8
Trans. and pub. util...	2.3	2.3	2.4	4.7	4.6	4.5	8.0	6.8	8.6	49.6	49.3	48.6
Trade.....	7.2	7.1	7.1	11.3	11.2	11.3	11.1	11.0	10.9	148.8	147.6	146.0
Finance.....	1.2	1.2	1.1	1.6	1.6	1.5	1.9	2.0	1.9	37.4	37.5	38.0
Service.....	4.6	4.5	4.5	6.4	6.4	6.3	9.0	9.0	9.3	97.6	96.3	95.8
Government.....	4.6	4.6	4.6	5.0	5.0	4.9	7.9	7.7	7.7	81.4	81.2	79.2
	MISSISSIPPI			MISSOURI			NEVADA			MONTANA		
	Jackson			Kansas City			St. Louis			Billings		
TOTAL.....	72.4	71.5	71.1	421.3	418.9	415.1	755.5	750.5	738.6	23.6	23.2	23.4
Mining.....	1.2	1.2	1.1	.6	.6	.6	2.7	2.6	2.7	(1)	(1)	(1)
Contract construction..	4.9	4.1	4.6	23.4	22.3	23.0	36.8	35.2	35.4	1.6	1.5	1.5
Manufacturing.....	11.3	11.2	11.3	114.6	114.2	110.2	260.0	259.0	254.9	2.5	2.5	2.7
Trans. and pub. util...	4.6	4.6	4.5	44.3	44.2	44.7	62.9	62.9	62.5	2.5	2.4	2.5
Trade.....	16.5	16.5	16.4	104.8	104.0	104.1	154.5	153.6	151.3	7.5	7.4	7.4
Finance.....	5.3	5.3	5.3	27.5	27.7	27.3	40.2	40.2	39.4	1.4	1.4	1.4
Service.....	11.9	12.0	11.9	56.4	56.2	56.2	112.4	111.1	109.6	4.4	4.3	4.3
Government.....	16.6	16.6	16.0	49.7	49.7	49.0	86.0	85.9	82.8	3.7	3.7	3.6
	MONTANA - Continued			NEBRASKA			NEVADA			NEW HAMPSHIRE		
	Great Falls			Omaha			Reno			Manchester		
TOTAL.....	22.1	21.7	24.1	170.2	167.5	168.5	42.7	42.2	39.2	42.5	42.1	42.2
Mining.....	(1)	(1)	(1)	(2)	(2)	(2)	(5)	(5)	(5)	(1)	(1)	(1)
Contract construction..	1.9	1.8	2.5	9.9	8.9	10.9	5.0	4.8	4.7	2.1	1.8	2.0
Manufacturing.....	3.1	3.1	4.6	36.0	35.7	34.9	2.4	2.4	2.5	16.3	16.3	16.4
Trans. and pub. util...	2.1	2.0	2.2	20.3	20.2	20.2	3.9	3.9	3.7	2.7	2.7	2.7
Trade.....	5.9	5.8	5.7	39.8	39.5	39.7	9.1	9.0	8.0	9.1	9.1	9.1
Finance.....	1.3	1.3	1.3	14.1	14.1	13.9	2.2	2.2	1.9	2.6	2.5	2.5
Service.....	3.7	3.6	3.7	27.4	26.4	26.9	12.8	12.7	11.5	6.3	6.2	6.1
Government.....	4.1	4.1	4.1	22.9	22.8	22.1	7.3	7.2	6.9	3.5	3.5	3.4
	NEW JERSEY											
	Jersey City <sup>6</sup>			Newark <sup>6</sup>			Paterson - Clifton - Passaic <sup>6</sup>			Perth Amboy <sup>6</sup>		
TOTAL.....	247.3	247.4	251.2	676.6	672.0	677.0	387.3	391.2	393.0	191.2	190.2	191.5
Mining.....	-	-	-	.9	.9	.8	.5	.4	.5	.8	.8	.8
Contract construction..	5.5	5.2	5.5	28.1	27.0	27.6	14.7	20.3	20.4	10.1	9.9	9.3
Manufacturing.....	110.9	111.0	113.9	231.9	229.4	238.7	161.8	161.4	168.3	89.2	88.9	91.3
Trans. and pub. util...	35.3	35.6	35.3	50.1	49.6	50.8	22.5	22.5	23.1	9.5	9.3	9.3
Trade.....	35.9	36.1	36.1	135.9	135.9	135.2	86.0	85.7	83.3	33.1	33.0	31.9
Finance.....	8.9	8.8	8.7	46.5	46.3	46.6	14.2	14.0	13.6	3.9	3.8	3.8
Service.....	24.3	24.1	24.3	107.0	106.8	103.9	51.6	51.1	49.5	19.2	19.1	18.2
Government.....	26.5	26.6	27.4	76.2	76.1	73.4	36.0	35.8	34.3	25.4	25.4	26.9
	NEW JERSEY - Continued			NEW MEXICO			NEW YORK					
	Trenton			Albuquerque			Albany - Schenectady - Troy			Binghamton		
TOTAL.....	112.0	111.5	110.6	91.2	90.2	86.8	230.6	229.1	229.5	78.2	77.3	78.0
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.1	3.8	4.1	7.6	7.2	7.2	8.7	8.0	8.1	3.6	3.0	3.4
Manufacturing.....	38.8	38.7	38.8	8.9	8.9	8.4	60.4	60.3	61.9	34.5	34.4	35.3
Trans. and pub. util...	6.2	6.2	6.3	6.5	6.4	6.4	13.4	13.4	14.0	3.8	3.8	3.9
Trade.....	19.3	19.4	18.8	20.9	20.6	20.0	46.6	46.0	46.1	13.1	12.9	13.2
Finance.....	4.3	4.3	4.3	5.7	5.7	5.6	9.6	9.5	9.6	2.5	2.5	2.5
Service.....	18.2	18.1	17.8	20.6	20.4	19.6	37.3	36.6	35.9	8.7	8.6	8.1
Government.....	21.0	20.9	20.4	21.0	21.0	19.6	54.6	55.2	53.9	12.0	12.0	11.6

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	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	NEW YORK - Continued											
	Buffalo			Elmira <sup>7</sup>			Nassau and Suffolk Counties <sup>8</sup>			New York-Northeastern New Jersey		
<b>TOTAL</b> .....	437.3	428.9	433.0	32.3	31.7	32.8	524.7	519.3	525.8	5,891.4	5,864.8	5,868.2
Mining.....	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)	4.6	4.5	4.6
Contract construction..	18.1	14.5	17.3	-	-	-	35.4	31.5	39.5	236.9	241.2	260.5
Manufacturing.....	168.3	166.9	167.6	13.6	13.4	14.1	133.6	135.6	142.2	1,671.1	1,667.0	1,712.7
Trans. and pub. util...	31.9	31.3	31.9	-	-	-	25.4	24.8	23.8	473.1	470.6	469.7
Trade.....	84.8	83.9	84.6	6.2	6.2	6.2	128.2	126.0	123.3	1,221.5	1,213.0	1,200.5
Finance.....	16.3	16.3	16.2	-	-	-	22.2	22.1	21.3	505.8	504.6	500.9
Service.....	57.9	57.1	56.9	-	-	-	86.1	85.6	84.6	1,018.3	1,005.7	981.6
Government.....	60.1	58.7	58.5	-	-	-	93.7	93.7	91.1	759.9	758.2	737.7
	NEW YORK - Continued											
	New York SMSA <sup>6</sup>			New York City <sup>8</sup>			Rochester			Syracuse		
<b>TOTAL</b> .....	4,389.1	4,364.0	4,355.5	3,569.3	3,553.5	3,542.7	242.8	244.5	237.5	188.6	185.9	188.8
Mining.....	2.4	2.4	2.5	1.8	1.8	1.8	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	178.5	178.8	197.7	125.0	129.9	140.3	8.0	10.7	11.0	9.4	8.0	9.4
Manufacturing.....	1,077.3	1,076.3	1,100.5	864.3	861.3	880.2	111.5	110.7	107.2	61.5	61.2	63.5
Trans. and pub. util...	355.7	353.6	351.2	312.8	311.3	309.7	10.7	10.6	10.4	12.3	12.1	12.5
Trade.....	930.6	922.3	914.0	739.2	733.5	730.2	44.3	44.2	42.6	39.9	39.6	39.4
Finance.....	432.3	431.7	428.2	396.5	396.0	393.4	8.8	8.8	8.6	9.5	9.4	9.4
Service.....	816.2	804.6	785.7	671.0	662.2	644.5	34.0	33.9	32.7	28.8	28.4	28.1
Government.....	595.8	594.3	575.7	458.7	457.4	442.5	25.4	25.7	24.9	27.1	27.1	26.5
	NEW YORK - Continued						NORTH CAROLINA					
	Utica - Rome			Westchester County <sup>8</sup>			Charlotte			Greensboro - High Point		
<b>TOTAL</b> .....	101.2	100.3	102.8	252.7	249.9	247.0	118.4	118.2	116.1	-	-	-
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-
Contract construction..	2.8	2.3	2.9	15.5	15.2	15.8	8.3	8.0	7.9	5.8	5.5	6.2
Manufacturing.....	35.7	36.0	38.0	67.2	67.2	65.5	28.5	28.7	28.6	44.0	44.3	43.9
Trans. and pub. util...	5.5	5.5	5.5	15.4	15.4	15.7	13.7	13.7	13.0	5.4	5.3	5.3
Trade.....	16.7	16.4	16.6	55.8	55.6	54.1	32.2	32.1	32.1	20.9	20.8	20.5
Finance.....	4.0	3.9	4.1	12.1	12.1	12.1	8.4	8.4	8.3	6.3	6.3	6.1
Service.....	11.5	11.4	11.1	53.2	51.0	51.4	16.5	16.4	15.6	-	-	-
Government.....	25.1	24.8	24.6	33.6	33.4	32.5	10.8	10.9	10.6	-	-	-
	NORTH CAROLINA - Continued			NORTH DAKOTA			OHIO					
	Winston - Salem			Fargo - Moorhead			Akron			Canton		
<b>TOTAL</b> .....	-	-	-	31.9	30.8	31.3	178.5	176.8	176.4	109.7	108.8	110.4
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.5	.5	.5
Contract construction..	-	-	-	2.4	1.8	2.7	6.5	5.7	6.3	3.3	3.6	4.0
Manufacturing.....	34.6	34.8	35.9	2.3	2.2	2.1	80.2	80.1	79.9	52.9	52.1	53.6
Trans. and pub. util...	-	-	-	2.8	2.8	2.8	12.7	12.6	12.7	5.7	5.7	5.7
Trade.....	-	-	-	10.0	9.9	9.9	33.6	33.5	33.5	19.9	19.8	19.9
Finance.....	-	-	-	2.2	2.2	2.2	5.5	5.4	5.3	3.9	3.9	3.8
Service.....	-	-	-	5.6	5.6	5.6	23.4	22.8	22.5	13.4	13.1	13.0
Government.....	-	-	-	6.5	6.3	6.0	16.7	16.7	16.2	10.1	10.0	9.9
	OHIO - Continued											
	Cincinnati			Cleveland			Columbus			Dayton		
<b>TOTAL</b> .....	393.8	391.1	397.2	701.0	701.4	702.2	279.5	278.8	276.3	261.5	260.2	255.8
Mining.....	.3	.3	.3	.3	.3	.5	.8	.7	.7	.5	.5	.5
Contract construction..	18.5	16.8	18.0	24.3	28.2	31.2	13.4	12.9	14.7	10.6	9.5	10.3
Manufacturing.....	140.1	140.6	145.2	273.3	273.7	273.9	73.8	74.0	73.9	106.6	106.7	103.1
Trans. and pub. util...	29.9	29.9	30.2	46.4	45.3	45.7	17.6	17.6	17.2	10.1	9.9	10.1
Trade.....	82.0	81.8	81.3	142.0	140.4	141.6	56.9	56.7	56.4	45.0	45.2	45.1
Finance.....	22.3	22.2	22.1	34.2	34.0	33.4	18.9	18.7	18.0	7.5	7.5	7.2
Service.....	54.8	53.9	54.6	97.6	96.7	95.8	41.8	41.0	39.3	34.3	33.9	32.3
Government.....	45.8	45.7	45.6	82.9	82.8	80.2	56.4	57.2	56.2	46.9	47.1	47.1

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**

Industry division	(In thousands)											
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	OHIO Continued						OKLAHOMA					
	Toledo			Youngstown - Warren			Oklahoma City			Tulsa		
TOTAL.....	160.4	156.6	158.2	157.7	155.8	157.3	201.8	200.8	195.7	143.0	142.0	136.8
Mining.....	.2	.2	.2	.4	.4	.4	6.7	6.8	6.7	12.9	13.0	12.9
Contract construction..	6.5	5.7	6.9	5.9	6.5	6.3	16.1	15.6	14.0	10.6	10.1	8.8
Manufacturing.....	60.3	57.8	59.0	74.5	72.9	73.8	25.2	25.2	23.7	30.6	30.8	27.9
Trans. and pub. util...	12.4	12.2	12.6	8.9	8.8	8.7	12.8	12.8	13.2	14.2	14.1	13.8
Trade.....	34.1	34.1	34.6	27.9	27.6	28.2	47.5	47.2	45.8	33.3	32.9	32.0
Finance.....	6.2	6.1	5.9	4.3	4.3	4.3	13.0	13.0	12.5	7.3	7.3	7.1
Service.....	24.3	24.3	23.4	20.3	20.0	20.2	27.4	27.0	27.0	20.2	20.0	20.6
Government.....	16.2	16.2	15.5	15.3	15.3	15.4	53.1	53.2	52.8	13.9	13.8	13.7
	OREGON			PENNSYLVANIA								
	Portland			Allentown - Bethlehem - Easton			Altoona			Erie		
TOTAL.....	284.9	282.0	277.7	186.1	184.1	183.1	41.3	41.1	41.1	80.8	79.7	78.7
Mining.....	(1)	(1)	(1)	.5	.5	.5	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	13.9	13.8	13.6	6	6.1	6.2	1.5	1.4	1.3	2.5	2.3	2.5
Manufacturing.....	66.5	65.5	65.3	95.1	94.1	94.1	11.9	12.0	11.9	38.1	37.7	37.0
Trans. and pub. util...	26.9	26.3	26.4	10.5	10.4	10.6	9.2	9.2	9.3	4.7	4.7	4.8
Trade.....	71.5	71.0	69.0	29.7	29.8	29.5	6.9	6.8	7.0	13.6	13.5	13.4
Finance.....	17.1	17.1	16.6	5.3	5.3	5.2	1.1	1.1	1.1	2.7	2.6	2.6
Service.....	44.3	43.8	43.4	22.9	22.6	22.5	5.8	5.7	5.7	10.5	10.3	10.3
Government.....	44.7	44.5	43.4	15.5	15.3	14.5	4.9	4.9	4.8	8.7	8.6	8.1
	PENNSYLVANIA - Continued											
	Harrisburg			Johnstown			Lancaster			Philadelphia		
TOTAL.....	147.0	145.7	144.9	69.1	68.6	67.5	99.2	98.3	97.6	1,529.6	1,523.1	1,521.3
Mining.....	(1)	(1)	(1)	4.8	4.7	4.7	(1)	(1)	(1)	1.3	1.3	1.4
Contract construction..	6.4	5.8	5.6	2.3	2.1	2.1	5.4	5.0	4.8	74.6	67.1	65.5
Manufacturing.....	33.8	33.7	33.4	24.7	24.5	23.7	47.8	47.6	47.8	526.6	530.1	538.4
Trans. and pub. util...	11.6	11.6	11.8	4.8	4.8	4.8	4.9	4.8	4.8	106.9	106.3	107.9
Trade.....	25.2	24.9	25.5	11.6	11.7	11.5	17.1	17.0	17.0	300.5	299.2	298.7
Finance.....	6.4	6.4	6.4	1.7	1.7	1.7	2.4	2.4	2.3	84.1	83.9	84.0
Service.....	19.8	19.4	19.3	9.7	9.6	9.5	13.1	13.0	12.6	236.0	235.4	232.1
Government.....	43.8	43.9	42.9	9.5	9.5	9.5	8.5	8.5	8.3	199.6	199.6	193.3
	PENNSYLVANIA - Continued											
	Pittsburgh			Reading			Scranton			Wilkes-Barre - Hazleton		
TOTAL.....	760.0	752.5	748.0	104.5	104.2	103.1	75.5	75.0	74.9	106.6	105.4	105.7
Mining.....	9.5	9.5	9.6	(1)	(1)	(1)	1.2	1.2	1.0	4.1	4.0	4.7
Contract construction..	33.6	31.3	31.8	3.8	3.5	3.7	1.7	1.5	1.6	3.1	2.9	3.7
Manufacturing.....	276.3	273.9	275.1	51.5	51.6	50.4	31.3	31.3	30.8	45.5	45.0	44.9
Trans. and pub. util...	55.4	55.1	53.5	5.6	5.6	5.7	5.8	5.7	6.1	5.9	5.9	6.0
Trade.....	145.2	142.8	143.9	15.9	15.8	15.9	13.8	13.8	13.9	18.6	18.5	18.4
Finance.....	33.2	33.1	32.3	4.2	4.2	4.1	2.4	2.4	2.4	3.5	3.5	3.4
Service.....	126.5	126.4	123.8	13.6	13.5	13.6	11.0	10.8	10.9	13.0	12.8	12.1
Government.....	80.3	80.4	78.0	9.9	10.0	9.7	8.3	8.3	8.2	12.9	12.8	12.5
	PENNSYLVANIA - Continued			RHODE ISLAND			SOUTH CAROLINA					
	York			Providence - Pawtucket - Warwick			Charleston			Columbia		
TOTAL.....	86.6	86.2	83.8	303.7	303.2	303.2	62.3	62.3	60.6	78.9	78.7	76.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.6	4.4	3.9	11.6	12.1	13.2	4.4	4.4	4.3	5.5	5.4	5.5
Manufacturing.....	42.1	42.1	40.1	128.0	127.1	127.7	10.2	10.4	9.8	16.0	15.9	15.4
Trans. and pub. util...	4.9	4.9	4.7	14.1	14.0	14.2	4.3	4.2	4.3	4.8	4.8	4.7
Trade.....	15.7	15.5	15.0	55.7	55.4	55.6	12.8	12.7	12.4	16.8	16.8	16.5
Finance.....	2.0	2.0	1.9	13.3	13.4	13.1	2.9	2.9	2.8	5.6	5.6	5.4
Service.....	9.5	9.5	9.4	42.7	42.8	41.7	7.1	7.1	6.9	9.8	9.8	9.6
Government.....	7.8	7.8	8.8	38.3	38.4	37.7	20.6	20.6	20.1	20.4	20.4	19.2

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	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	SOUTH CAROLINA - Continued			SOUTH DAKOTA			TENNESSEE					
	Greenville			Sioux Falls			Chattanooga			Knoxville		
<b>TOTAL</b> .....	91.6	91.2	90.3	29.7	28.5	28.9	98.7	97.7	94.3	123.1	122.0	119.0
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.2	.2	.2	1.6	1.6	1.8
Contract construction..	5.8	5.6	5.1	2.6	1.7	2.1	4.3	3.7	3.0	5.7	5.5	6.1
Manufacturing.....	45.8	45.6	45.5	5.3	5.1	5.4	41.2	41.0	39.2	43.6	43.3	41.9
Trans. and pub. util...	3.4	3.4	3.4	2.7	2.7	2.8	4.8	4.8	4.6	6.5	6.4	6.4
Trade.....	15.5	15.5	15.3	8.8	8.7	8.6	18.9	18.6	17.9	24.9	24.8	23.4
Finance.....	3.5	3.5	3.5	1.5	1.6	1.6	5.6	5.6	5.6	4.3	4.3	4.2
Service.....	9.6	9.6	9.6	5.3	5.2	5.0	11.4	11.5	11.6	14.3	14.1	13.9
Government.....	8.0	8.0	7.9	3.5	3.5	3.5	12.4	12.3	12.2	22.2	22.0	21.3
	TENNESSEE - Continued						TEXAS					
	Memphis			Nashville			Dallas			Fort Worth		
<b>TOTAL</b> .....	212.1	210.2	207.8	169.2	168.8	164.7	450.4	450.3	433.5	-	-	-
Mining.....	.3	.2	.3	(1)	(1)	(1)	7.7	7.8	7.8	-	-	-
Contract construction..	12.4	11.9	12.0	9.7	9.6	9.5	28.5	28.8	29.8	-	-	-
Manufacturing.....	48.0	47.7	47.5	51.0	50.9	49.0	110.9	111.1	106.9	57.3	57.0	52.1
Trans. and pub. util...	16.4	16.5	15.6	10.7	10.7	10.5	37.2	37.1	37.2	-	-	-
Trade.....	54.9	54.7	53.6	35.4	35.4	34.8	123.9	123.6	116.8	-	-	-
Finance.....	11.9	11.7	11.6	11.5	11.4	11.3	37.4	37.6	36.3	-	-	-
Service.....	31.7	31.3	31.3	26.5	26.5	26.1	61.0	60.5	57.8	-	-	-
Government.....	36.5	36.2	35.9	24.4	24.3	23.5	43.9	43.8	41.1	-	-	-
	TEXAS - Continued						UTAH			VERMONT		
	Houston			San Antonio			Salt Lake City			Burlington <sup>7</sup>		
<b>TOTAL</b> .....	-	-	-	-	-	-	160.2	159.0	158.5	22.2	21.6	22.4
Mining.....	-	-	-	-	-	-	6.5	6.5	6.4	-	-	-
Contract construction..	-	-	-	11.9	11.7	11.7	10.6	9.6	10.3	-	-	-
Manufacturing.....	95.2	94.7	93.3	24.1	24.1	23.8	27.9	28.5	29.6	4.4	4.3	4.9
Trans. and pub. util...	-	-	-	9.5	9.4	9.4	13.7	13.6	13.4	1.6	1.6	1.5
Trade.....	-	-	-	-	-	-	42.6	42.4	42.1	5.4	5.1	5.3
Finance.....	-	-	-	12.1	12.2	11.8	9.9	9.7	9.6	-	-	-
Service.....	-	-	-	-	-	-	23.0	22.5	22.2	-	-	-
Government.....	-	-	-	54.5	54.7	54.1	26.0	26.2	24.9	-	-	-
	VERMONT - Continued			VIRGINIA								
	Springfield <sup>7</sup>			Newport News - Hampton			Norfolk - Portsmouth			Richmond		
<b>TOTAL</b> .....	12.3	12.0	12.0	78.1	77.3	75.4	163.1	162.2	160.2	186.9	186.1	181.3
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.4	.4	.3
Contract construction..	-	-	-	5.1	4.6	4.7	14.2	13.6	13.5	14.4	13.7	13.2
Manufacturing.....	6.6	6.5	6.5	25.0	24.8	24.6	17.7	17.5	16.5	45.5	45.6	44.3
Trans. and pub. util...	.7	.8	.7	4.0	4.0	4.1	14.1	14.6	14.9	15.2	15.2	15.2
Trade.....	1.7	1.6	1.5	12.2	12.2	11.6	39.1	38.8	38.1	43.2	43.2	41.4
Finance.....	-	-	-	2.4	2.4	2.2	6.6	6.6	6.4	15.0	15.0	14.5
Service.....	-	-	-	8.0	7.9	7.7	21.7	21.4	21.3	23.8	23.7	23.2
Government.....	-	-	-	21.4	21.4	20.5	49.6	49.6	49.4	29.4	29.3	29.2
	VIRGINIA - Continued			WASHINGTON								
	Roanoke			Seattle - Everett			Spokane			Tacoma		
<b>TOTAL</b> .....	63.2	62.8	62.2	394.0	391.6	403.1	73.3	73.0	73.5	80.5	79.8	80.1
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.5	4.2	4.4	19.7	19.3	21.3	3.4	3.4	3.8	4.2	3.8	4.2
Manufacturing.....	15.1	15.0	14.8	108.8	108.7	121.6	12.6	12.4	12.1	17.0	16.8	16.9
Trans. and pub. util...	8.7	8.6	8.6	29.8	29.7	29.9	7.0	7.0	7.4	5.6	5.6	5.6
Trade.....	14.3	14.3	14.2	88.5	88.4	88.6	19.3	19.3	19.7	16.9	16.9	17.0
Finance.....	3.3	3.3	3.2	25.0	24.9	25.2	4.3	4.3	4.1	4.1	4.1	4.0
Service.....	9.8	9.8	9.5	55.0	54.4	54.3	13.2	13.0	13.1	12.0	11.8	11.8
Government.....	7.4	7.5	7.4	67.2	66.2	62.2	13.5	13.6	13.3	20.7	20.8	20.6

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	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
	WEST VIRGINIA						WISCONSIN					
	Charleston			Huntington - Ashland			Wheeling			Green Bay		
<b>TOTAL</b> .....	74.8	76.4	76.0	71.2	70.1	68.6	50.5	50.5	49.3	40.7	39.6	39.7
Mining.....	3.4	3.4	3.7	.9	.9	.9	2.5	2.5	2.5	(1)	(1)	(1)
Contract construction..	3.8	3.5	3.1	4.4	3.9	4.3	2.6	2.6	3.0	2.1	1.8	2.2
Manufacturing.....	20.9	22.8	22.1	24.2	24.0	22.7	16.1	16.1	15.3	13.3	13.1	12.9
Trans. and pub. util...	8.4	8.3	8.4	7.1	7.1	7.3	3.4	3.4	3.7	3.9	3.6	3.8
Trade.....	15.9	15.8	16.0	15.0	14.9	14.7	11.2	11.2	10.9	10.4	10.1	9.9
Finance.....	3.2	3.2	3.2	2.4	2.4	2.4	1.9	1.9	1.9	1.2	1.2	1.2
Service.....	9.5	9.5	9.7	7.7	7.5	7.4	7.6	7.5	7.3	5.8	5.8	5.6
Government.....	9.9	9.9	9.8	9.5	9.4	9.0	5.3	5.3	4.9	4.1	4.0	4.0
	WISCONSIN - Continued											
	Kenosha			La Crosse			Madison			Milwaukee		
<b>TOTAL</b> .....	36.7	36.8	37.4	23.5	23.0	23.1	89.5	87.7	85.8	469.8	465.7	465.4
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.5	1.4	1.2	1.2	1.1	.9	4.9	4.2	5.3	20.7	19.1	18.9
Manufacturing.....	21.0	21.4	22.3	7.5	7.2	7.6	13.8	13.5	13.4	190.6	189.7	192.1
Trans. and pub. util...	1.5	1.5	1.8	1.9	1.9	1.9	4.7	4.6	4.4	27.1	26.6	27.5
Trade.....	5.0	4.9	4.8	5.6	5.6	5.5	18.3	18.1	17.4	94.4	94.2	93.0
Finance.....	.6	.6	.6	.6	.6	.6	4.4	4.4	4.2	22.7	22.9	22.8
Service.....	3.9	3.9	3.8	4.2	4.2	4.1	12.5	12.3	12.0	62.6	61.9	61.8
Government.....	3.1	3.1	3.0	2.5	2.5	2.5	30.9	30.5	29.1	51.7	51.2	49.4
	WISCONSIN - Continued			WYOMING								
	Racine			Casper			Cheyenne					
<b>TOTAL</b> .....	47.6	47.3	45.5	17.2	16.6	16.9	21.4	20.6	19.2			
Mining.....	(1)	(1)	(1)	2.9	2.8	3.2	(1)	(1)	(1)			
Contract construction..	1.7	1.6	1.7	1.6	1.4	1.2	4.8	4.4	3.4			
Manufacturing.....	23.0	23.0	21.8	1.5	1.5	1.5	1.7	1.7	1.3			
Trans. and pub. util...	1.8	1.8	1.8	1.6	1.5	1.6	2.4	2.3	2.5			
Trade.....	8.7	8.6	8.3	3.9	3.7	3.9	3.8	3.7	3.7			
Finance.....	1.3	1.3	1.2	.8	.8	.8	.9	.9	.9			
Service.....	6.1	6.0	5.9	2.3	2.3	2.2	2.6	2.5	2.3			
Government.....	5.0	4.9	4.8	2.6	2.6	2.5	5.2	5.1	5.1			

<sup>1</sup>Combined with service.

<sup>2</sup>Combined with construction.

<sup>3</sup>Area definition revised as follows:

Wichita.....Butler and Sedgwick Counties.

Portland.....Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Gorham, Scarborough, and Yarmouth towns in Cumberland County.

<sup>4</sup>Revised series; not strictly comparable with previously published data.

<sup>5</sup>Combined with manufacturing.

<sup>6</sup>Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>7</sup>Total includes data for industry divisions not shown separately.

<sup>8</sup>Subarea of New York Standard Metropolitan Statistical Area.

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.....	53.33	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: 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.....	102.06	40.5	2.52	111.51	41.3	2.70	89.83	39.4	2.28
May.....	102.97	40.7	2.53	112.19	41.4	2.71	90.52	39.7	2.28
June.....	103.48	40.9	2.53	113.01	41.7	2.71	91.37	39.9	2.29

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,<sup>1</sup> by industry**

Industry	Average weekly earnings					Average hourly earnings				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>MINING</b> .....	-	\$117.88	\$115.37	\$117.85	\$114.39	-	\$2.80	\$2.78	\$2.76	\$2.73
<b>METAL MINING</b> .....	-	123.77	122.30	118.85	117.71	-	2.94	2.94	2.85	2.85
Iron ores .....	-	128.54	123.16	124.14	120.08	-	3.12	3.11	3.05	3.04
Copper ores .....	-	130.16	129.13	122.69	122.55	-	3.02	3.01	2.86	2.85
<b>COAL MINING</b> .....	-	126.81	121.45	128.74	122.14	-	3.26	3.23	3.14	3.10
Bituminous .....	-	129.03	123.33	130.60	124.66	-	3.30	3.28	3.17	3.14
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	111.30	111.57	113.36	110.62	-	2.65	2.65	2.68	2.64
Crude petroleum and natural gas fields .....	-	118.55	119.14	123.31	117.74	-	2.92	2.92	2.95	2.90
Oil and gas field services .....	-	106.27	105.41	105.04	104.49	-	2.46	2.44	2.46	2.43
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	114.86	111.00	112.91	110.32	-	2.53	2.50	2.46	2.43
<b>CONTRACT CONSTRUCTION</b> .....	-	132.65	131.33	129.79	128.06	-	3.50	3.54	3.38	3.37
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	121.94	122.76	118.58	117.85	-	3.35	3.41	3.24	3.22
<b>HEAVY CONSTRUCTION</b> .....	-	133.88	127.98	132.13	126.96	-	3.18	3.16	3.08	3.03
Highway and street construction .....	-	130.54	122.31	130.09	123.68	-	3.05	3.02	2.97	2.91
Other heavy construction .....	-	137.61	133.72	134.60	131.02	-	3.34	3.31	3.22	3.18
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	138.75	137.23	135.75	134.67	-	3.75	3.77	3.62	3.63
<b>MANUFACTURING</b> .....	\$103.48	102.97	102.06	100.37	99.23	\$2.53	2.53	2.52	2.46	2.45
<b>DURABLE GOODS</b> .....	113.01	112.19	111.51	109.82	108.36	2.71	2.71	2.70	2.64	2.63
<b>NONDURABLE GOODS</b> .....	91.37	90.52	89.83	88.36	87.52	2.29	2.28	2.28	2.22	2.21
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	120.50	120.20	119.99	118.24	117.67	2.99	2.99	2.97	2.87	2.87
Ammunition, except for small arms .....	120.99	120.69	121.71	119.65	117.50	3.04	3.04	3.02	2.89	2.88
Sighting and fire control equipment .....	-	129.43	129.51	120.10	122.01	-	3.18	3.19	3.01	3.02
Other ordnance and accessories .....	117.96	116.97	115.14	115.36	116.90	2.87	2.86	2.85	2.80	2.81
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	87.91	85.84	84.19	82.62	80.60	2.16	2.13	2.11	2.02	2.02
Sawmills and planing mills .....	79.56	79.15	77.20	76.07	73.97	1.95	1.94	1.93	1.86	1.84
Sawmills and planing mills, general .....	-	80.59	79.00	77.52	75.20	-	1.98	1.98	1.90	1.88
Millwork, plywood, and related products .....	94.28	93.83	92.13	90.29	90.07	2.25	2.25	2.22	2.15	2.16
Millwork .....	-	91.02	90.39	90.25	89.38	-	2.22	2.21	2.18	2.18
Veneer and plywood .....	-	96.93	94.98	88.62	89.68	-	2.27	2.24	2.10	2.12
Wooden containers .....	71.75	70.07	68.46	69.14	68.31	1.75	1.73	1.72	1.67	1.65
Wooden boxes, shooks, and crates .....	-	68.88	66.90	68.13	67.20	-	1.68	1.66	1.63	1.60
Miscellaneous wood products .....	77.90	77.49	76.52	74.85	73.89	1.90	1.89	1.88	1.83	1.82
<b>FURNITURE AND FIXTURES</b> .....	83.23	81.81	82.62	81.39	79.60	2.03	2.02	2.03	1.99	1.98
Household furniture .....	79.73	78.36	79.15	76.70	74.99	1.94	1.93	1.94	1.88	1.87
Wood house furniture, upholstered .....	-	75.18	75.24	72.83	71.72	-	1.79	1.80	1.73	1.72
Wood house furniture, upholstered .....	-	81.87	84.59	81.12	78.62	-	2.11	2.12	2.08	2.08
Mattresses and bedsprings .....	-	82.39	83.81	83.62	79.70	-	2.14	2.16	2.08	2.07
Office furniture .....	-	95.87	96.05	96.93	94.71	-	2.31	2.36	2.33	2.31
Partitions; office and store fixtures .....	-	101.91	105.85	105.37	101.75	-	2.58	2.62	2.57	2.55
Other furniture and fixtures .....	87.10	86.88	85.84	82.82	82.42	2.14	2.14	2.13	2.03	2.04
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	106.93	106.68	104.83	104.41	103.07	2.54	2.54	2.52	2.48	2.46
Flat glass .....	-	145.25	136.68	139.40	133.51	-	3.45	3.40	3.40	3.38
Glass and glassware, pressed or blown .....	102.72	103.48	103.22	101.00	100.10	2.53	2.53	2.53	2.50	2.49
Glass containers .....	-	105.98	105.47	102.75	101.18	-	2.56	2.56	2.50	2.48
Pressed and blown glassware, n.e.c. .....	-	99.70	100.75	98.25	98.25	-	2.48	2.50	2.50	2.50
Cement, hydraulic .....	122.18	122.06	118.12	116.05	116.48	2.93	2.92	2.86	2.81	2.80
Structural clay products .....	91.72	91.46	91.52	90.92	90.71	2.21	2.22	2.20	2.17	2.17
Brick and structural clay tile .....	-	86.11	86.70	87.06	87.26	-	2.06	2.04	2.02	2.02
Pottery and related products .....	-	94.07	93.67	90.16	90.46	-	2.34	2.33	2.30	2.29
Concrete, gypsum, and plaster products .....	111.07	110.38	106.75	110.01	108.62	2.53	2.52	2.50	2.45	2.43
Other stone and mineral products .....	108.12	107.87	107.36	102.92	102.26	2.55	2.55	2.55	2.48	2.47
Abrasive products .....	-	108.62	108.21	104.34	101.60	-	2.63	2.62	2.57	2.54

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,<sup>1</sup> by industry--Continued**

Industry	Average weekly hours					Average overtime hours				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>MINING</b> .....	-	42.1	41.5	42.7	41.9	-	-	-	-	-
<b>METAL MINING</b> .....	-	42.1	41.6	41.7	41.3	-	-	-	-	-
Iron ores .....	-	41.2	39.6	40.7	39.5	-	-	-	-	-
Copper ores .....	-	43.1	42.9	42.9	43.0	-	-	-	-	-
<b>COAL MINING</b> .....	-	38.9	37.6	41.0	39.4	-	-	-	-	-
Bituminous .....	-	39.1	37.6	41.2	39.7	-	-	-	-	-
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	42.0	42.1	42.3	41.9	-	-	-	-	-
Crude petroleum and natural gas fields .....	-	40.6	40.8	42.8	40.6	-	-	-	-	-
Oil and gas field services .....	-	43.2	43.2	42.7	43.0	-	-	-	-	-
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	45.4	44.4	45.9	45.4	-	-	-	-	-
<b>CONTRACT CONSTRUCTION</b> .....	-	37.9	37.1	38.4	38.0	-	-	-	-	-
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	36.4	36.0	36.6	36.6	-	-	-	-	-
<b>HEAVY CONSTRUCTION</b> .....	-	42.1	40.5	42.9	41.9	-	-	-	-	-
Highway and street construction .....	-	42.8	40.5	43.8	42.5	-	-	-	-	-
Other heavy construction .....	-	41.2	40.4	41.8	41.2	-	-	-	-	-
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	37.0	36.4	37.5	37.1	-	-	-	-	-
<b>MANUFACTURING</b> .....	40.9	40.7	40.5	40.8	40.5	3.2	3.0	2.9	3.0	2.8
<b>DURABLE GOODS</b> .....	41.7	41.4	41.3	41.6	41.2	3.4	3.2	3.1	3.2	2.9
<b>NONDURABLE GOODS</b> .....	39.9	39.7	39.4	39.8	39.6	2.9	2.8	2.7	2.8	2.6
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	40.3	40.2	40.4	41.2	41.0	-	1.7	1.7	2.4	2.2
Ammunition, except for small arms .....	39.8	39.7	40.3	41.4	40.8	-	1.5	1.7	2.7	2.1
Sighting and fire control equipment .....	-	40.7	40.6	39.9	40.4	-	.9	.9	.7	.9
Other ordnance and accessories .....	41.1	40.9	40.4	41.2	41.6	-	2.2	1.9	2.4	2.6
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	40.7	40.3	39.9	40.9	39.9	-	3.5	3.2	3.9	3.2
Sawmills and planing mills .....	40.8	40.8	40.0	40.9	40.2	-	3.4	3.1	3.9	3.2
Sawmills and planing mills, general .....	-	40.7	39.9	40.8	40.0	-	-	-	-	-
Millwork, plywood, and related products .....	41.9	41.7	41.5	41.8	41.7	-	3.9	3.6	3.9	3.5
Millwork .....	-	41.0	40.9	41.4	41.0	-	-	-	-	-
Veneer and plywood .....	-	42.7	42.4	42.2	42.3	-	-	-	-	-
Wooden containers .....	41.0	40.5	39.8	41.4	41.4	-	3.2	2.8	3.5	3.5
Wooden boxes, shooks, and crates .....	-	41.0	40.3	41.8	42.0	-	-	-	-	-
Miscellaneous wood products .....	41.0	41.0	40.7	40.9	40.6	-	3.2	3.1	3.1	3.1
<b>FURNITURE AND FIXTURES</b> .....	41.0	40.5	40.7	40.9	40.2	-	2.8	2.9	2.9	2.5
Household furniture .....	41.1	40.6	40.8	40.8	40.1	-	2.9	3.1	2.9	2.6
Wood house furniture, upholstered .....	-	42.0	41.8	42.1	41.7	-	-	-	-	-
Wood house furniture, upholstered .....	-	38.8	39.9	39.0	37.8	-	-	-	-	-
Mattresses and bedsprings .....	-	38.5	38.8	40.2	38.5	-	-	-	-	-
Office furniture .....	-	41.5	40.7	41.6	41.0	-	2.2	1.7	2.9	1.8
Partitions, office and store fixtures .....	-	39.5	40.4	41.0	39.9	-	1.7	1.9	2.3	1.8
Other furniture and fixtures .....	40.7	40.6	40.3	40.8	40.4	-	2.8	2.4	2.8	2.5
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	42.1	42.0	41.6	42.1	41.9	-	4.1	3.6	4.0	3.9
Flat glass .....	-	42.1	40.2	41.0	39.5	-	3.4	2.5	2.7	1.9
Glass and glassware, pressed or blown .....	40.6	40.9	40.8	40.4	40.2	-	3.7	3.4	3.5	3.6
Glass containers .....	-	41.4	41.2	41.1	40.8	-	-	-	-	-
Pressed and blown glassware, n.e.c. .....	-	40.2	40.3	39.3	39.3	-	-	-	-	-
Cement, hydraulic .....	41.7	41.8	41.3	41.3	41.6	-	2.1	1.9	2.3	2.1
Structural clay products .....	41.5	41.2	41.6	41.9	41.8	-	3.6	3.4	3.5	3.4
Brick and structural clay tile .....	-	41.8	42.5	43.1	43.2	-	-	-	-	-
Pottery and related products .....	-	40.2	40.2	39.2	39.5	-	2.0	1.9	1.9	2.0
Concrete, gypsum, and plaster products .....	43.9	43.8	42.7	44.9	44.7	-	6.2	5.3	6.5	6.2
Other stone and mineral products .....	42.4	42.3	42.1	41.5	41.4	-	3.6	3.2	3.1	3.0
Abrasive products .....	-	41.3	41.3	40.6	40.0	-	-	-	-	-

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,<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>PRIMARY METAL INDUSTRIES</b>	\$130.20	\$129.58	\$128.54	\$129.55	\$127.30	\$3.10	\$3.10	\$3.09	\$3.07	\$3.06
Blast furnace and basic steel products	137.76	138.10	137.35	140.70	138.28	3.36	3.36	3.35	3.35	3.34
Blast furnaces, steel and rolling mills	-	139.40	138.65	142.04	139.59	-	3.40	3.39	3.39	3.38
Iron and steel foundries	121.24	118.98	119.26	115.45	112.98	2.80	2.78	2.78	2.71	2.69
Gray iron foundries	-	116.96	117.39	113.69	110.04	-	2.72	2.73	2.65	2.62
Malleable iron foundries	-	124.70	124.12	114.68	116.89	-	2.90	2.90	2.75	2.77
Steel foundries	-	121.55	122.12	119.99	117.59	-	2.86	2.86	2.83	2.82
Nonferrous smelting and refining	120.80	119.23	118.08	117.45	118.43	2.89	2.88	2.88	2.83	2.84
Nonferrous rolling, drawing and extruding	126.14	122.84	120.84	120.83	118.72	2.88	2.87	2.85	2.81	2.80
Copper rolling, drawing, and extruding	-	128.62	127.30	126.44	121.98	-	2.95	2.94	2.90	2.87
Aluminum rolling, drawing, and extruding	-	126.72	124.80	127.20	126.30	-	3.01	3.00	3.00	3.00
Nonferrous wire drawing and insulating	-	115.51	111.78	110.94	107.87	-	2.68	2.63	2.58	2.55
Nonferrous foundries	110.81	110.27	109.86	107.38	106.45	2.67	2.67	2.66	2.60	2.59
Aluminum castings	-	111.64	110.56	110.66	108.36	-	2.69	2.69	2.66	2.63
Other nonferrous castings	-	108.50	108.88	104.81	104.39	-	2.64	2.63	2.55	2.54
Miscellaneous primary metal industries	136.31	133.46	134.83	129.16	127.10	3.17	3.17	3.18	3.09	3.07
Iron and steel forgings	-	137.61	137.61	132.89	129.74	-	3.30	3.30	3.21	3.18
<b>FABRICATED METAL PRODUCTS</b>	112.98	112.02	111.22	108.84	108.32	2.69	2.68	2.68	2.61	2.61
Metal cans	134.54	132.87	131.21	131.94	128.65	3.10	3.09	3.08	3.04	3.02
Cutlery, hand tools, and general hardware	109.67	108.58	108.99	103.98	104.24	2.63	2.61	2.62	2.53	2.53
Cutlery and hand tools, including saws	-	102.01	101.52	97.68	97.68	-	2.47	2.47	2.40	2.40
Hardware, n.e.c.	-	112.86	113.40	108.05	108.32	-	2.70	2.70	2.61	2.61
Heating equipment and plumbing fixtures	105.78	104.49	101.63	103.22	100.15	2.58	2.58	2.56	2.53	2.51
Sanitary ware and plumbers' brass goods	-	105.67	102.17	105.88	101.45	-	2.59	2.58	2.57	2.53
Heating equipment, except electric	-	102.91	101.49	100.85	98.46	-	2.56	2.55	2.49	2.48
Fabricated structural metal products	110.92	109.71	109.33	108.84	107.53	2.66	2.65	2.66	2.61	2.61
Fabricated structural steel	-	113.28	111.78	113.10	110.68	-	2.71	2.70	2.68	2.68
Metal doors, sash, frames, and trim	-	92.92	92.00	93.98	93.07	-	2.30	2.30	2.27	2.27
Fabricated plate work (boiler shops)	-	116.20	115.65	114.51	112.32	-	2.78	2.78	2.72	2.70
Sheet metal work	-	113.16	113.30	111.38	110.57	-	2.74	2.75	2.71	2.71
Architectural and miscellaneous metal work	-	109.18	109.08	109.15	108.24	-	2.65	2.68	2.63	2.64
Screw machine products, bolts, etc.	113.42	112.73	112.30	108.80	108.38	2.65	2.64	2.63	2.56	2.55
Screw machine products	-	106.93	106.25	101.70	103.52	-	2.51	2.50	2.41	2.43
Bolts, nuts, screws, rivets, and washers	-	117.00	117.27	114.44	113.05	-	2.74	2.74	2.68	2.66
Metal stampings	124.85	124.13	123.55	116.75	116.47	2.89	2.88	2.88	2.76	2.76
Coating, engraving, and allied services	99.05	97.75	97.75	95.63	95.63	2.41	2.39	2.39	2.31	2.31
Miscellaneous fabricated wire products	100.36	100.36	98.57	97.64	97.58	2.43	2.43	2.41	2.37	2.38
Miscellaneous fabricated metal products	109.86	108.39	106.63	105.93	106.45	2.66	2.65	2.62	2.59	2.59
Valves, pipe, and pipe fittings	-	110.29	109.20	107.94	107.83	-	2.69	2.67	2.62	2.63
<b>MACHINERY</b>	122.98	122.26	121.98	117.04	115.79	2.88	2.87	2.87	2.78	2.77
Engines and turbines	128.23	129.17	126.07	123.73	122.41	3.12	3.12	3.09	3.04	3.03
Steam engines and turbines	-	133.73	129.54	133.66	132.60	-	3.36	3.33	3.26	3.25
Internal combustion engines, n.e.c.	-	126.72	124.68	118.15	116.58	-	3.01	2.99	2.91	2.90
Farm machinery and equipment	-	115.46	117.86	111.79	109.07	-	2.83	2.84	2.74	2.72
Construction and related machinery	123.26	123.55	122.98	117.18	115.93	2.88	2.88	2.88	2.79	2.78
Construction and mining machinery	-	125.80	126.10	118.56	117.58	-	2.96	2.96	2.85	2.84
Oil field machinery and equipment	-	119.51	118.80	112.98	111.04	-	2.71	2.70	2.69	2.65
Conveyors, hoists, and industrial cranes	-	117.12	117.27	116.31	114.17	-	2.73	2.74	2.68	2.68
Metalworking machinery and equipment	140.26	140.88	140.12	130.52	128.90	3.11	3.11	3.10	2.98	2.97
Machine tools, metal cutting types	-	133.35	131.57	125.43	123.98	-	2.99	2.97	2.89	2.87
Special dies, tools, jigs, and fixtures	-	163.78	163.30	146.60	145.64	-	3.37	3.36	3.18	3.18
Machine tool accessories	-	120.27	118.58	113.02	113.16	-	2.85	2.83	2.73	2.74
Miscellaneous metalworking machinery	-	124.23	124.53	121.67	117.42	-	2.93	2.93	2.89	2.85
Special industry machinery	114.01	113.74	113.05	110.33	109.13	2.67	2.67	2.66	2.59	2.58
Food products machinery	-	117.74	116.90	112.59	111.49	-	2.81	2.79	2.70	2.68
Textile machinery	-	95.45	94.85	93.46	92.16	-	2.30	2.28	2.22	2.21
General industrial machinery	121.11	120.69	119.70	114.54	112.61	2.87	2.86	2.85	2.76	2.74
Pumps; air and gas compressors	-	117.32	114.40	113.40	111.22	-	2.78	2.75	2.70	2.68
Ball and roller bearings	-	122.01	121.72	114.52	112.19	-	2.94	2.94	2.80	2.77
Mechanical power transmission goods	-	124.27	124.12	119.28	117.59	-	2.87	2.86	2.80	2.78
Office, computing, and accounting machines	118.96	117.38	116.11	116.57	115.59	2.93	2.92	2.91	2.85	2.84
Computing machines and cash registers	-	124.57	122.93	124.34	122.61	-	3.13	3.12	3.04	3.02
Service industry machines	106.86	106.19	106.75	103.57	103.98	2.60	2.59	2.61	2.52	2.53
Refrigeration, except home refrigerators	-	106.60	107.30	103.16	104.08	-	2.60	2.63	2.51	2.52
Miscellaneous machinery	116.53	116.10	115.29	112.99	112.04	2.71	2.70	2.70	2.64	2.63
Machine shops, jobbing and repair	-	114.11	113.05	111.54	110.76	-	2.66	2.66	2.60	2.60
Machine parts, n.e.c., except electrical	-	121.11	120.68	115.87	115.45	-	2.81	2.80	2.72	2.71

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				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>PRIMARY METAL INDUSTRIES</b> . . . . .	42.0	41.8	41.6	42.2	41.6	-	3.0	2.8	3.3	3.1
Blast furnace and basic steel products . . . . .	41.0	41.1	41.0	42.0	41.4	-	2.1	1.8	2.7	2.8
Blast furnaces, steel and rolling mills . . . . .	-	41.0	40.9	41.9	41.3	-	-	-	-	-
Iron and steel foundries . . . . .	43.3	42.8	42.9	42.6	42.0	-	4.7	4.7	4.3	3.9
Gray iron foundries . . . . .	-	43.0	43.0	42.9	42.0	-	-	-	-	-
Malleable iron foundries . . . . .	-	43.0	42.8	41.7	42.2	-	-	-	-	-
Steel foundries . . . . .	-	42.5	42.7	42.4	41.7	-	-	-	-	-
Nonferrous smelting and refining . . . . .	41.8	41.4	41.0	41.5	41.7	-	2.9	2.6	2.9	2.9
Nonferrous rolling, drawing and extruding . . . . .	43.8	42.8	42.4	43.0	42.4	-	3.9	3.6	4.3	3.7
Copper rolling, drawing, and extruding . . . . .	-	43.6	43.3	43.6	42.5	-	-	-	-	-
Aluminum rolling, drawing, and extruding . . . . .	-	42.1	41.6	42.4	42.1	-	-	-	-	-
Nonferrous wire drawing and insulating . . . . .	-	43.1	42.5	43.0	42.3	-	-	-	-	-
Nonferrous foundries . . . . .	41.5	41.3	41.3	41.3	41.1	-	3.2	3.2	3.0	2.8
Aluminum castings . . . . .	-	41.5	41.1	41.6	41.2	-	-	-	-	-
Other nonferrous castings . . . . .	-	41.1	41.4	41.1	41.1	-	-	-	-	-
Miscellaneous primary metal industries . . . . .	43.0	42.1	42.4	41.8	41.4	-	3.7	4.0	3.3	3.3
Iron and steel forgings . . . . .	-	41.7	41.7	41.4	40.8	-	-	-	-	-
<b>FABRICATED METAL PRODUCTS</b> . . . . .	42.0	41.8	41.5	41.7	41.5	-	3.2	3.1	3.3	3.0
Metal cans . . . . .	43.4	43.0	42.6	43.4	42.6	-	3.4	3.5	4.2	3.3
Cutlery, hand tools, and general hardware . . . . .	41.7	41.6	41.6	41.1	41.2	-	3.2	3.2	2.8	3.0
Cutlery and hand tools, including saws . . . . .	-	41.3	41.1	40.7	40.7	-	-	-	-	-
Hardware, n.e.c. . . . .	-	41.8	42.0	41.4	41.5	-	-	-	-	-
Heating equipment and plumbing fixtures . . . . .	41.0	40.5	39.7	40.8	39.9	-	2.2	1.8	2.5	2.0
Sanitary ware and plumbers' brass goods . . . . .	-	40.8	39.6	41.2	40.1	-	-	-	-	-
Heating equipment, except electric . . . . .	-	40.2	39.8	40.5	39.7	-	-	-	-	-
Fabricated structural metal products . . . . .	41.7	41.4	41.1	41.7	41.2	-	2.7	2.6	3.1	2.7
Fabricated structural steel . . . . .	-	41.8	41.4	42.2	41.3	-	-	-	-	-
Metal doors, sash, frames, and trim . . . . .	-	40.4	40.0	41.4	41.0	-	-	-	-	-
Fabricated plate work (boiler shops) . . . . .	-	41.8	41.6	42.1	41.6	-	-	-	-	-
Sheet metal work . . . . .	-	41.3	41.2	41.1	40.8	-	-	-	-	-
Architectural and miscellaneous metal work . . . . .	-	41.2	40.7	41.5	41.0	-	-	-	-	-
Screw machine products, bolts, etc. . . . .	42.8	42.7	42.7	42.5	42.5	-	3.9	4.0	3.9	3.8
Screw machine products . . . . .	-	42.6	42.5	42.2	42.6	-	-	-	-	-
Bolts, nuts, screws, rivets, and washers . . . . .	-	42.7	42.8	42.7	42.5	-	-	-	-	-
Metal stampings . . . . .	43.2	43.1	42.9	42.3	42.2	-	4.4	4.2	3.9	3.7
Coating, engraving, and allied services . . . . .	41.1	40.9	40.9	41.4	41.4	-	3.4	3.1	3.6	3.3
Miscellaneous fabricated wire products . . . . .	41.3	41.3	40.9	41.2	41.0	-	3.0	2.8	2.9	2.8
Miscellaneous fabricated metal products . . . . .	41.3	40.9	40.7	40.9	41.1	-	2.7	2.5	2.5	2.7
Valves, pipe, and pipe fittings . . . . .	-	41.0	40.9	41.2	41.0	-	-	-	-	-
<b>MACHINERY</b> . . . . .	42.7	42.6	42.5	42.1	41.8	-	4.0	3.9	3.4	3.1
Engines and turbines . . . . .	41.1	41.4	40.8	40.7	40.4	-	3.3	2.6	2.6	2.2
Steam engines and turbines . . . . .	-	39.8	38.9	41.0	40.8	-	-	-	-	-
Internal combustion engines, n.e.c. . . . .	-	42.1	41.7	40.6	40.2	-	-	-	-	-
Farm machinery and equipment . . . . .	-	40.8	41.5	40.8	40.1	-	2.3	2.6	2.1	2.1
Construction and related machinery . . . . .	42.8	42.9	42.7	42.0	41.7	-	3.9	4.0	3.1	2.7
Construction and mining machinery . . . . .	-	42.5	42.6	41.6	41.4	-	-	-	-	-
Oil field machinery and equipment . . . . .	-	44.1	44.0	42.0	41.9	-	-	-	-	-
Conveyors, hoists, and industrial cranes . . . . .	-	42.9	42.8	43.4	42.6	-	-	-	-	-
Metalworking machinery and equipment . . . . .	45.1	45.3	45.2	43.8	43.4	-	6.4	6.4	5.2	4.9
Machine tools, metal cutting types . . . . .	-	44.6	44.3	43.4	43.2	-	-	-	-	-
Special dies, tools, jigs, and fixtures . . . . .	-	48.6	48.6	46.1	45.8	-	-	-	-	-
Machine tool accessories . . . . .	-	42.2	41.9	41.4	41.3	-	-	-	-	-
Miscellaneous metalworking machinery . . . . .	-	42.4	42.5	42.1	41.2	-	-	-	-	-
Special industry machinery . . . . .	42.7	42.6	42.5	42.6	42.3	-	3.9	3.7	3.7	3.4
Food products machinery . . . . .	-	41.9	41.9	41.7	41.6	-	-	-	-	-
Textile machinery . . . . .	-	41.5	41.6	42.1	41.7	-	-	-	-	-
General industrial machinery . . . . .	42.2	42.2	42.0	41.5	41.1	-	3.3	3.3	2.9	2.4
Pumps; air and gas compressors . . . . .	-	42.2	41.6	42.0	41.5	-	-	-	-	-
Ball and roller bearings . . . . .	-	41.5	41.4	40.9	40.5	-	-	-	-	-
Mechanical power transmission goods . . . . .	-	43.3	43.4	42.6	42.3	-	-	-	-	-
Office, computing, and accounting machines . . . . .	40.6	40.2	39.9	40.9	40.7	-	1.4	1.3	1.7	1.6
Computing machines and cash registers . . . . .	-	39.8	39.4	40.9	40.6	-	-	-	-	-
Service industry machines . . . . .	41.1	41.0	40.9	41.1	41.1	-	2.3	2.2	2.5	2.3
Refrigeration, except home refrigerators . . . . .	-	41.0	40.8	41.1	41.3	-	-	-	-	-
Miscellaneous machinery . . . . .	43.0	43.0	42.7	42.8	42.6	-	4.9	4.7	4.4	4.2
Machine shops, jobbing and repair . . . . .	-	42.9	42.5	42.9	42.6	-	-	-	-	-
Machine parts, n.e.c., except electrical . . . . .	-	43.1	43.1	42.6	42.6	-	-	-	-	-

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<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	\$102.56	\$101.81	\$101.56	\$ 99.88	\$ 98.74	\$2.52	\$2.52	\$2.52	\$2.46	\$2.45
Electric distribution equipment . . . . .	111.78	110.43	109.48	107.98	106.11	2.70	2.70	2.69	2.64	2.62
Electric measuring instruments . . . . .	-	98.15	97.27	93.93	92.43	-	2.46	2.45	2.39	2.37
Power and distribution transformers . . . . .	-	111.66	111.25	110.12	109.59	-	2.73	2.72	2.66	2.66
Switchgear and switchboard apparatus . . . . .	-	117.86	117.71	117.46	114.81	-	2.84	2.85	2.81	2.78
Electrical industrial apparatus . . . . .	110.24	109.56	109.03	105.73	104.81	2.65	2.64	2.64	2.56	2.55
Motors and generators . . . . .	-	111.10	110.56	109.93	108.58	-	2.69	2.69	2.63	2.61
Industrial controls . . . . .	-	106.30	105.78	100.10	100.19	-	2.58	2.58	2.49	2.48
Household appliances . . . . .	108.14	107.47	108.00	111.22	108.39	2.69	2.68	2.68	2.68	2.65
Household refrigerators and freezers . . . . .	-	114.51	114.29	124.99	118.56	-	2.87	2.85	2.90	2.85
Household laundry equipment . . . . .	-	114.54	110.55	113.16	110.70	-	2.78	2.75	2.76	2.74
Electric housewares and fans . . . . .	-	92.28	92.75	92.34	91.41	-	2.36	2.36	2.32	2.32
Electric lighting and wiring equipment . . . . .	95.91	96.32	95.04	94.02	93.09	2.38	2.39	2.37	2.31	2.31
Electric lamps . . . . .	-	97.66	98.40	95.44	95.75	-	2.46	2.46	2.38	2.37
Lighting fixtures . . . . .	-	98.66	96.48	96.41	95.18	-	2.43	2.40	2.34	2.35
Wiring devices . . . . .	-	93.09	92.00	91.35	89.60	-	2.31	2.30	2.25	2.24
Radio and TV receiving sets . . . . .	85.89	85.25	86.30	86.33	86.46	2.18	2.22	2.23	2.18	2.20
Communication equipment . . . . .	111.93	111.11	110.70	106.92	105.99	2.73	2.73	2.72	2.64	2.63
Telephone and telegraph apparatus . . . . .	-	113.03	112.07	105.32	104.12	-	2.75	2.74	2.62	2.59
Radio and TV communication equipment . . . . .	-	109.76	109.35	108.26	106.80	-	2.71	2.70	2.66	2.65
Electronic components and accessories . . . . .	86.03	85.60	84.99	82.76	82.97	2.14	2.14	2.13	2.09	2.09
Electron tubes . . . . .	-	98.23	98.47	95.94	93.73	-	2.39	2.39	2.34	2.32
Electronic components, n.e.c. . . . .	-	82.18	81.37	78.40	79.40	-	2.07	2.06	2.00	2.01
Miscellaneous electrical equipment and supplies . . . . .	113.42	109.48	109.35	109.82	106.23	2.72	2.71	2.70	2.64	2.61
Electrical equipment for engines . . . . .	-	115.71	115.30	116.20	111.11	-	2.85	2.84	2.76	2.73
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	130.82	129.78	129.36	126.90	125.76	3.10	3.09	3.08	3.00	2.98
Motor vehicles and equipment . . . . .	138.56	136.42	135.99	132.62	131.89	3.20	3.18	3.17	3.07	3.06
Motor vehicles . . . . .	-	139.96	141.05	139.36	138.60	-	3.27	3.25	3.16	3.15
Passenger car bodies . . . . .	-	140.53	138.44	138.45	140.94	-	3.33	3.32	3.25	3.24
Truck and bus bodies . . . . .	-	106.19	106.55	104.90	105.73	-	2.59	2.58	2.54	2.56
Motor vehicle parts and accessories . . . . .	-	138.33	135.88	130.72	129.08	-	3.18	3.16	3.04	3.03
Aircraft and parts . . . . .	123.93	123.93	123.82	121.72	120.30	3.03	3.03	3.02	2.94	2.92
Aircraft . . . . .	-	121.60	122.91	121.25	119.43	-	3.01	3.02	2.95	2.92
Aircraft engines and engine parts . . . . .	-	125.36	124.54	122.66	121.36	-	3.08	3.06	2.97	2.96
Other aircraft parts and equipment . . . . .	-	127.80	126.65	122.54	120.83	-	3.00	2.98	2.89	2.87
Ship and boat building and repairing . . . . .	122.59	122.18	121.10	121.77	122.01	2.99	2.98	2.99	2.97	2.94
Ship building and repairing . . . . .	-	128.33	127.58	127.92	127.93	-	3.13	3.15	3.12	3.09
Boat building and repairing . . . . .	-	94.48	92.16	91.98	94.47	-	2.21	2.27	2.26	2.26
Railroad equipment . . . . .	-	127.08	128.33	122.91	119.80	-	3.13	3.13	3.02	2.98
Other transportation equipment . . . . .	-	95.76	93.11	93.86	93.21	-	2.28	2.26	2.24	2.23
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	103.07	102.31	102.06	101.84	100.94	2.52	2.52	2.52	2.49	2.48
Engineering and scientific instruments . . . . .	-	116.93	118.03	119.11	115.87	-	2.88	2.90	2.87	2.84
Mechanical measuring and control devices . . . . .	104.70	103.28	103.53	103.07	102.56	2.56	2.55	2.55	2.52	2.52
Mechanical measuring devices . . . . .	-	105.41	106.45	103.07	103.22	-	2.59	2.59	2.52	2.53
Automatic temperature controls . . . . .	-	100.50	98.95	102.41	101.75	-	2.50	2.48	2.51	2.50
Optical and ophthalmic goods . . . . .	93.56	93.56	92.51	93.44	94.08	2.26	2.26	2.24	2.23	2.24
Surgical, medical, and dental equipment . . . . .	86.43	86.43	86.22	86.30	84.21	2.15	2.15	2.15	2.11	2.10
Photographic equipment and supplies . . . . .	(2)	118.24	117.38	113.40	113.15	(2)	2.87	2.87	2.80	2.78
Watches and clocks . . . . .	-	83.71	82.18	82.50	84.14	-	2.13	2.14	2.11	2.13
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	82.37	81.95	82.76	80.19	79.40	2.08	2.08	2.09	2.02	2.01
Jewelry, silverware, and plated ware . . . . .	90.32	89.42	89.69	88.70	87.02	2.23	2.23	2.22	2.19	2.17
Toys, amusement, and sporting goods . . . . .	-	73.54	74.11	72.17	72.37	-	1.91	1.92	1.86	1.87
Toys, games, dolls, and play vehicles . . . . .	-	70.12	70.69	70.43	70.82	-	1.86	1.87	1.82	1.83
Sporting and athletic goods, n.e.c. . . . .	-	78.80	79.00	75.27	74.30	-	1.98	1.98	1.93	1.92
Pens, pencils, office and art materials . . . . .	-	78.20	78.20	79.38	77.41	-	2.00	2.00	1.96	1.94
Costume jewelry, buttons, and notions . . . . .	-	77.60	77.01	74.19	72.89	-	1.94	1.93	1.85	1.85
Other manufacturing industries . . . . .	88.98	87.91	89.20	86.56	86.00	2.23	2.22	2.23	2.17	2.15
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	97.92	97.75	96.32	95.17	94.66	2.40	2.39	2.39	2.31	2.32
Meat products . . . . .	105.16	104.81	103.28	101.43	101.11	2.54	2.55	2.55	2.45	2.46
Meat packing . . . . .	-	122.54	120.96	118.16	117.74	-	2.89	2.88	2.80	2.79
Sausages and other prepared meats . . . . .	-	112.06	109.62	110.04	109.82	-	2.72	2.70	2.62	2.64
Poultry dressing and packing . . . . .	-	57.76	55.42	56.99	54.34	-	1.52	1.51	1.45	1.43

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,<sup>1</sup> by industry--Continued**

Industry	Average weekly hours					Average overtime hours				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Durable Goods--Continued</i>										
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	40.7	40.4	40.3	40.6	40.3	-	2.0	2.0	2.2	1.9
Electric distribution equipment . . . . .	41.4	40.9	40.7	40.9	40.5	-	2.1	1.9	2.4	1.9
Electric measuring instruments . . . . .	-	39.9	39.7	39.3	39.0	-	-	-	-	-
Power and distribution transformers . . . . .	-	40.9	40.9	41.4	41.2	-	-	-	-	-
Switchgear and switchboard apparatus . . . . .	-	41.5	41.3	41.8	41.3	-	-	-	-	-
Electrical industrial apparatus . . . . .	41.6	41.5	41.3	41.3	41.1	-	2.9	2.7	2.4	2.3
Motors and generators . . . . .	-	41.3	41.1	41.8	41.6	-	-	-	-	-
Industrial controls . . . . .	-	41.2	41.0	40.2	40.4	-	-	-	-	-
Household appliances . . . . .	40.2	40.1	40.3	41.5	40.9	-	1.8	2.0	2.7	2.0
Household refrigerators and freezers . . . . .	-	39.9	40.1	43.1	41.6	-	-	-	-	-
Household laundry equipment . . . . .	-	41.2	40.2	41.0	40.4	-	-	-	-	-
Electric housewares and fans . . . . .	-	39.1	39.3	39.8	39.4	-	-	-	-	-
Electric lighting and wiring equipment . . . . .	40.3	40.3	40.1	40.7	40.3	-	2.0	1.8	2.1	1.9
Electric lamps . . . . .	-	39.7	40.0	40.1	40.4	-	-	-	-	-
Lighting fixtures . . . . .	-	40.6	40.2	41.2	40.5	-	-	-	-	-
Wiring devices . . . . .	-	40.3	40.0	40.6	40.0	-	-	-	-	-
Radio and TV receiving sets . . . . .	39.4	38.4	38.7	39.6	39.3	-	1.4	1.2	2.0	1.7
Communication equipment . . . . .	41.0	40.7	40.7	40.5	40.3	-	1.9	1.8	1.8	1.6
Telephone and telegraph apparatus . . . . .	-	41.1	40.9	40.2	40.2	-	-	-	-	-
Radio and TV communication equipment . . . . .	-	40.5	40.5	40.7	40.3	-	-	-	-	-
Electronic components and accessories . . . . .	40.2	40.0	39.9	39.6	39.7	-	1.8	2.0	1.8	1.8
Electron tubes . . . . .	-	41.1	41.2	41.0	40.4	-	-	-	-	-
Electronic components, n.e.c. . . . .	-	39.7	39.5	39.2	39.5	-	-	-	-	-
Miscellaneous electrical equipment and supplies . . . . .	41.7	40.4	40.5	41.6	40.7	-	2.5	2.4	3.0	2.4
Electrical equipment for engines . . . . .	-	40.6	40.6	42.1	40.7	-	-	-	-	-
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	42.2	42.0	42.0	42.3	42.2	-	3.6	3.5	3.7	3.5
Motor vehicles and equipment . . . . .	43.3	42.9	42.9	43.2	43.1	-	4.6	4.4	4.5	4.3
Motor vehicles . . . . .	-	42.8	43.4	44.1	44.0	-	-	-	-	-
Passenger car bodies . . . . .	-	42.2	41.7	42.6	43.5	-	-	-	-	-
Truck and bus bodies . . . . .	-	41.0	41.3	41.3	41.3	-	-	-	-	-
Motor vehicle parts and accessories . . . . .	-	43.5	43.0	43.0	42.6	-	-	-	-	-
Aircraft and parts . . . . .	40.9	40.9	41.0	41.4	41.2	-	2.2	2.2	2.5	2.2
Aircraft . . . . .	-	40.4	40.7	41.1	40.9	-	-	-	-	-
Aircraft engines and engine parts . . . . .	-	40.7	40.7	41.3	41.0	-	-	-	-	-
Other aircraft parts and equipment . . . . .	-	42.6	42.5	42.4	42.1	-	-	-	-	-
Ship and boat building and repairing . . . . .	41.0	41.0	40.5	41.0	41.5	-	3.2	3.2	3.3	3.5
Ship building and repairing . . . . .	-	41.0	40.5	41.0	41.4	-	-	-	-	-
Boat building and repairing . . . . .	-	40.9	40.6	40.7	41.8	-	-	-	-	-
Railroad equipment . . . . .	-	40.6	41.0	40.7	40.2	-	2.9	3.0	2.3	1.9
Other transportation equipment . . . . .	-	42.0	41.2	41.9	41.8	-	3.3	3.1	3.7	3.5
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	40.9	40.6	40.5	40.9	40.7	-	2.3	2.3	2.4	2.3
Engineering and scientific instruments . . . . .	-	40.6	40.7	41.5	40.8	-	2.1	2.1	2.5	2.2
Mechanical measuring and control devices . . . . .	40.9	40.5	40.6	40.9	40.7	-	2.3	2.3	2.5	2.3
Mechanical measuring devices . . . . .	-	40.7	41.1	40.9	40.8	-	-	-	-	-
Automatic temperature controls . . . . .	-	40.2	39.9	40.8	40.7	-	-	-	-	-
Optical and ophthalmic goods . . . . .	41.4	41.4	41.3	41.9	42.0	-	2.5	2.3	2.5	2.4
Surgical, medical, and dental equipment . . . . .	40.2	40.2	40.1	40.9	40.1	-	1.9	2.0	2.4	2.0
Photographic equipment and supplies . . . . .	(2)	41.2	40.9	40.5	40.7	-	3.2	3.1	2.4	2.8
Watches and clocks . . . . .	-	39.3	38.4	39.1	39.5	-	1.5	1.0	1.9	1.9
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	39.6	39.4	39.6	39.7	39.5	-	2.2	2.4	2.1	2.0
Jewelry, silverware, and plated ware . . . . .	40.5	40.1	40.4	40.5	40.1	-	3.1	3.2	2.7	2.8
Toys, amusement, and sporting goods . . . . .	-	38.5	38.6	38.8	38.7	-	1.9	1.8	1.6	1.6
Toys, games, dolls, and play vehicles . . . . .	-	37.7	37.8	38.7	38.7	-	-	-	-	-
Sporting and athletic goods, n.e.c. . . . .	-	39.8	39.9	39.0	38.7	-	-	-	-	-
Pens, pencils, office and art materials . . . . .	-	39.1	39.1	40.5	39.9	-	1.4	1.6	2.1	1.7
Costume jewelry, buttons, and notions . . . . .	-	40.0	39.9	40.1	39.4	-	2.5	2.5	2.4	2.1
Other manufacturing industries . . . . .	39.9	39.6	40.0	39.9	40.0	-	2.2	2.6	2.3	2.2
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	40.8	40.9	40.3	41.2	40.8	-	3.5	3.2	3.7	3.4
Meat products . . . . .	41.4	41.1	40.5	41.4	41.1	-	3.9	3.7	3.9	3.6
Meat packing . . . . .	-	42.4	42.0	42.2	42.2	-	-	-	-	-
Sausages and other prepared meats . . . . .	-	41.2	40.6	42.0	41.6	-	-	-	-	-
Poultry dressing and packing . . . . .	-	38.0	36.7	39.3	38.0	-	-	-	-	-

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,<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Nondurable Goods--Continued</i>										
<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
Dairy products	\$102.79	\$102.30	\$100.74	\$ 99.92	\$ 98.33	\$2.43	\$2.43	\$2.41	\$2.34	\$2.33
Ice cream and frozen desserts	-	100.94	98.58	94.94	95.24	-	2.45	2.44	2.31	2.34
Fluid milk	-	107.27	105.25	104.19	103.03	-	2.53	2.50	2.44	2.43
Canned and preserved food, except meats	-	77.32	76.43	73.06	74.03	-	2.04	2.06	1.98	1.99
Canned, cured and frozen sea foods	-	64.99	62.59	63.50	62.37	-	1.94	1.92	1.96	1.98
Canned food, except sea foods	-	84.14	82.89	77.83	80.05	-	2.13	2.17	2.07	2.09
Frozen food, except sea foods	-	73.68	74.67	67.06	69.03	-	1.87	1.90	1.76	1.77
Grain mill products	111.02	106.36	104.54	105.33	103.01	2.44	2.39	2.42	2.32	2.32
Flour and other grain mill products	-	119.28	111.36	114.21	110.69	-	2.61	2.56	2.51	2.51
Prepared feeds for animals and fowls	-	89.83	89.96	91.48	88.85	-	1.97	2.04	1.93	1.94
Bakery products	98.57	97.03	95.44	95.53	94.19	2.41	2.39	2.38	2.33	2.32
Bread, cake, and perishable products	-	98.66	96.88	96.93	95.65	-	2.43	2.41	2.37	2.35
Biscuit, crackers, and pretzels	-	91.30	88.88	90.83	88.48	-	2.26	2.25	2.21	2.19
Sugar	-	107.47	103.60	104.49	110.14	-	2.68	2.67	2.53	2.61
Confectionery and related products	79.97	80.98	79.58	81.00	77.62	2.04	2.05	2.03	2.00	1.98
Candy and other confectionery products	-	76.05	75.08	77.76	74.10	-	1.94	1.94	1.92	1.90
Beverages	111.22	108.67	108.94	111.25	107.30	2.68	2.67	2.71	2.63	2.63
Malt liquors	-	138.16	138.85	140.56	136.34	-	3.48	3.48	3.42	3.40
Bottled and canned soft drinks	-	80.83	78.88	81.70	77.41	-	1.92	1.91	1.84	1.83
Miscellaneous food and kindred products	96.83	96.44	94.47	92.57	92.60	2.30	2.28	2.26	2.22	2.21
<b>TOBACCO MANUFACTURES</b>	82.19	80.38	80.19	81.81	78.17	2.06	2.04	2.03	2.03	2.02
Cigarettes	-	94.72	94.56	98.75	96.29	-	2.38	2.37	2.34	2.36
Cigars	-	66.57	67.40	61.44	58.46	-	1.66	1.66	1.60	1.58
<b>TEXTILE MILL PRODUCTS</b>	73.46	72.75	71.63	69.70	69.02	1.77	1.77	1.76	1.70	1.70
Cotton broad woven fabrics	73.68	73.50	72.38	67.32	66.99	1.75	1.75	1.74	1.65	1.65
Silk and synthetic broad woven fabrics	78.74	78.01	78.01	74.39	74.91	1.81	1.81	1.81	1.73	1.73
Weaving and finishing broad woolsens	79.10	77.38	76.41	77.04	76.31	1.87	1.86	1.85	1.83	1.83
Narrow fabrics and smallwares	73.51	73.69	73.16	72.04	71.28	1.78	1.78	1.78	1.74	1.73
Knitting	65.69	64.85	64.56	63.41	62.37	1.68	1.68	1.69	1.63	1.62
Full-fashioned hosiery	-	63.08	64.80	59.63	59.72	-	1.66	1.67	1.59	1.58
Seamless hosiery	-	60.00	59.89	58.06	56.83	-	1.60	1.61	1.54	1.54
Knit outerwear	-	67.76	67.28	67.94	66.35	-	1.76	1.78	1.72	1.71
Knit underwear	-	61.69	62.15	60.30	60.37	-	1.59	1.61	1.55	1.54
Finishing textiles, except wool and knit	84.63	82.45	80.48	80.89	79.29	1.95	1.94	1.93	1.89	1.87
Floor covering	-	73.71	74.39	75.30	72.67	-	1.82	1.81	1.81	1.79
Yarn and thread	67.07	66.01	65.04	64.53	63.65	1.62	1.61	1.61	1.57	1.56
Miscellaneous textile goods	86.70	84.03	81.60	83.95	80.95	2.04	2.02	2.00	1.98	1.96
<b>APPAREL AND RELATED PRODUCTS</b>	63.90	63.36	63.90	61.35	61.52	1.77	1.76	1.77	1.69	1.69
Men's and boys' suits and coats	76.65	76.65	75.60	78.17	74.03	2.10	2.10	2.10	2.09	1.99
Men's and boys' furnishings	56.54	55.94	55.94	54.05	53.91	1.52	1.52	1.52	1.43	1.43
Men's and boys' shirts and nightwear	-	54.90	54.60	52.50	52.64	-	1.50	1.50	1.40	1.40
Men's and boys' separate trousers	-	56.52	56.83	55.48	55.15	-	1.54	1.54	1.46	1.44
Work clothing	-	54.83	55.65	52.85	52.30	-	1.47	1.48	1.38	1.38
Women's, misses', and juniors' outerwear	66.15	65.81	67.51	62.68	64.33	1.94	1.93	1.94	1.86	1.87
Women's blouses, waists, and shirts	-	55.09	56.76	53.82	54.13	-	1.63	1.65	1.56	1.56
Women's, misses', and juniors' dresses	-	66.80	70.58	59.97	65.66	-	2.00	2.04	1.88	1.96
Women's suits, skirts, and coats	-	74.82	73.04	76.49	71.57	-	2.24	2.20	2.23	2.13
Women's and misses' outerwear, n.e.c.	-	61.96	62.83	58.67	60.26	-	1.67	1.68	1.59	1.62
Women's and children's undergarments	58.64	58.84	58.68	56.00	56.15	1.62	1.63	1.63	1.53	1.53
Women's and children's underwear	-	55.65	56.16	52.64	53.14	-	1.55	1.56	1.45	1.46
Corsets and allied garments	-	64.61	64.26	62.16	62.63	-	1.78	1.78	1.68	1.67
Hats, caps, and millinery	-	66.79	67.68	64.79	62.48	-	1.84	1.88	1.78	1.75
Girls' and children's outerwear	58.93	58.08	56.64	56.61	55.85	1.61	1.60	1.60	1.53	1.53
Children's dresses, blouses, and shirts	-	57.48	56.54	56.92	55.18	-	1.61	1.62	1.53	1.52
Fur goods and miscellaneous apparel	-	65.70	63.72	64.80	63.19	-	1.82	1.79	1.80	1.78
Miscellaneous fabricated textile products	69.50	69.14	69.91	66.85	66.47	1.81	1.81	1.83	1.75	1.74
Housefurnishings	-	59.36	60.38	58.28	56.83	-	1.60	1.61	1.55	1.54
<b>PAPER AND ALLIED PRODUCTS</b>	109.65	108.46	107.53	106.21	104.55	2.55	2.54	2.53	2.47	2.46
Paper and pulp	121.44	120.01	120.01	117.31	116.87	2.76	2.74	2.74	2.66	2.65
Paperboard	124.60	121.44	121.55	119.97	117.48	2.80	2.76	2.75	2.69	2.67
Converted paper and paperboard products	97.63	96.28	95.40	93.60	91.84	2.33	2.32	2.31	2.25	2.24
Bags, except textile bags	-	87.89	87.08	87.56	86.50	-	2.17	2.15	2.12	2.12
Paperboard containers and boxes	100.20	99.48	98.12	97.44	94.99	2.38	2.38	2.37	2.32	2.30
Folding and setup paperboard boxes	-	87.85	88.07	87.33	85.03	-	2.18	2.18	2.13	2.11
Corrugated and solid fiber boxes	-	108.61	106.68	106.95	103.46	-	2.52	2.51	2.47	2.44

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,<sup>1</sup> by industry--Continued**

Industry	Average weekly hours					Average overtime hours				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Nondurable Goods--Continued</i>										
<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
Dairy products . . . . .	42.3	42.1	41.8	42.7	42.2	-	3.5	3.3	3.5	3.3
Ice cream and frozen desserts . . . . .	-	41.2	40.4	41.1	40.7	-	-	-	-	-
Fluid milk . . . . .	-	42.4	42.1	42.7	42.4	-	-	-	-	-
Canned and preserved food, except meats . . . . .	-	37.9	37.1	36.9	37.2	-	2.3	2.0	2.3	2.3
Canned, cured and frozen sea foods . . . . .	-	33.5	32.6	32.4	31.5	-	-	-	-	-
Canned food, except sea foods . . . . .	-	39.5	38.2	37.6	38.3	-	-	-	-	-
Frozen food, except sea foods . . . . .	-	39.4	39.3	38.1	39.0	-	-	-	-	-
Grain mill products . . . . .	45.5	44.5	43.2	45.4	44.4	-	6.3	5.3	6.9	6.3
Flour and other grain mill products . . . . .	-	45.7	43.5	45.5	44.1	-	-	-	-	-
Prepared feeds for animals and fowls . . . . .	-	45.6	44.1	47.4	45.8	-	-	-	-	-
Bakery products . . . . .	40.9	40.6	40.1	41.0	40.6	-	3.2	2.9	3.4	3.2
Bread, cake, and perishable products . . . . .	-	40.6	40.2	40.9	40.7	-	-	-	-	-
Biscuit, crackers, and pretzels . . . . .	-	40.4	39.5	41.1	40.4	-	-	-	-	-
Sugar . . . . .	-	40.1	38.8	41.3	42.2	-	2.7	2.2	3.5	4.4
Confectionery and related products . . . . .	39.2	39.5	39.2	40.5	39.2	-	2.0	1.8	2.6	1.8
Candy and other confectionery products . . . . .	-	39.2	38.7	40.5	39.0	-	-	-	-	-
Beverages . . . . .	41.5	40.7	40.2	42.3	40.8	-	3.4	3.2	4.1	3.2
Malt liquors . . . . .	-	39.7	39.9	41.1	40.1	-	-	-	-	-
Bottled and canned soft drinks . . . . .	-	42.1	41.3	44.4	42.3	-	-	-	-	-
Miscellaneous food and kindred products . . . . .	42.1	42.3	41.8	41.7	41.9	-	3.9	3.8	3.8	3.8
<b>TOBACCO MANUFACTURES . . . . .</b>	<b>39.9</b>	<b>39.4</b>	<b>39.5</b>	<b>40.3</b>	<b>38.7</b>	<b>-</b>	<b>1.6</b>	<b>2.1</b>	<b>1.5</b>	<b>1.0</b>
Cigarettes . . . . .	-	39.8	39.9	42.2	40.8	-	1.1	1.8	2.0	1.3
Cigars . . . . .	-	40.1	40.6	38.4	37.0	-	2.7	3.1	1.2	.9
<b>TEXTILE MILL PRODUCTS . . . . .</b>	<b>41.5</b>	<b>41.1</b>	<b>40.7</b>	<b>41.0</b>	<b>40.6</b>	<b>-</b>	<b>3.5</b>	<b>3.3</b>	<b>3.4</b>	<b>3.2</b>
Cotton broad woven fabrics . . . . .	42.1	42.0	41.6	40.8	40.6	-	4.3	3.8	3.1	3.2
Silk and synthetic broad woven fabrics . . . . .	43.5	43.1	43.1	43.0	43.3	-	4.7	4.5	4.4	4.4
Weaving and finishing broad woolems . . . . .	42.3	41.6	41.3	42.1	41.7	-	3.6	3.2	4.0	3.7
Narrow fabrics and smallwares . . . . .	41.3	41.4	41.1	41.4	41.2	-	2.9	3.0	3.1	3.4
Knitting . . . . .	39.1	38.6	38.2	38.9	38.5	-	2.0	2.0	2.4	2.0
Full-fashioned hosiery . . . . .	-	38.0	38.8	37.5	37.8	-	-	-	-	-
Seamless hosiery . . . . .	-	37.5	37.2	37.7	36.9	-	-	-	-	-
Knit outerwear . . . . .	-	38.5	37.8	39.5	38.8	-	-	-	-	-
Knit underwear . . . . .	-	38.8	38.6	38.9	39.2	-	-	-	-	-
Finishing textiles, except wool and knit . . . . .	43.4	42.5	41.7	42.8	42.4	-	4.1	4.2	4.5	4.1
Floor covering . . . . .	-	40.5	41.1	41.6	40.6	-	3.0	3.5	4.2	3.5
Yarn and thread . . . . .	41.4	41.0	40.4	41.1	40.8	-	3.6	3.1	3.5	3.2
Miscellaneous textile goods . . . . .	42.5	41.6	40.8	42.4	41.3	-	3.7	3.1	4.2	3.3
<b>APPAREL AND RELATED PRODUCTS . . . . .</b>	<b>36.1</b>	<b>36.0</b>	<b>36.1</b>	<b>36.3</b>	<b>36.4</b>	<b>-</b>	<b>1.2</b>	<b>1.3</b>	<b>1.3</b>	<b>1.3</b>
Men's and boys' suits and coats . . . . .	36.5	36.5	36.0	37.4	37.2	-	1.0	1.0	1.0	1.1
Men's and boys' furnishings . . . . .	37.2	36.8	36.8	37.8	37.7	-	1.0	1.2	1.3	1.2
Men's and boys' shirts and nightwear . . . . .	-	36.6	36.4	37.5	37.6	-	-	-	-	-
Men's and boys' separate trousers . . . . .	-	36.7	36.9	38.0	38.3	-	-	-	-	-
Work clothing . . . . .	-	37.3	37.6	38.3	37.9	-	-	-	-	-
Women's, misses', and juniors' outerwear . . . . .	34.1	34.1	34.8	33.7	34.4	-	1.2	1.4	1.3	1.4
Women's blouses, waists, and shirts . . . . .	-	33.8	34.4	34.5	34.7	-	-	-	-	-
Women's, misses', and juniors' dresses . . . . .	-	33.4	34.6	31.9	33.5	-	-	-	-	-
Women's suits, skirts, and coats . . . . .	-	33.4	33.2	34.3	33.6	-	-	-	-	-
Women's and misses' outerwear, n.e.c . . . . .	-	37.1	37.4	36.9	37.2	-	-	-	-	-
Women's and children's undergarments . . . . .	36.2	36.1	36.0	36.6	36.7	-	1.1	1.2	1.2	1.3
Women's and children's underwear . . . . .	-	35.9	36.0	36.3	36.4	-	-	-	-	-
Corsets and allied garments . . . . .	-	36.3	36.1	37.0	37.5	-	-	-	-	-
Hats, caps, and millinery . . . . .	-	36.3	36.0	36.4	35.7	-	1.0	1.3	1.0	1.2
Girls' and children's outerwear . . . . .	36.6	36.3	35.4	37.0	36.5	-	1.2	1.0	1.5	1.3
Children's dresses, blouses, and shirts . . . . .	-	35.7	34.9	37.2	36.3	-	-	-	-	-
Fur goods and miscellaneous apparel . . . . .	-	36.1	35.6	36.0	35.5	-	.8	.8	.9	1.0
Miscellaneous fabricated textile products . . . . .	38.4	38.2	38.2	38.2	38.2	-	1.8	1.8	1.8	1.8
Housefurnishings . . . . .	-	37.1	37.5	37.6	36.9	-	-	-	-	-
<b>PAPER AND ALLIED PRODUCTS . . . . .</b>	<b>43.0</b>	<b>42.7</b>	<b>42.5</b>	<b>43.0</b>	<b>42.5</b>	<b>-</b>	<b>4.4</b>	<b>4.3</b>	<b>4.6</b>	<b>4.3</b>
Paper and pulp . . . . .	44.0	43.8	43.8	44.1	44.1	-	5.4	5.5	5.4	5.3
Paperboard . . . . .	44.5	44.0	44.2	44.6	44.0	-	5.8	5.5	6.3	5.5
Converted paper and paperboard products . . . . .	41.9	41.5	41.3	41.6	41.0	-	3.1	3.0	3.2	2.9
Bags, except textile bags . . . . .	-	40.5	40.5	41.3	40.8	-	-	-	-	-
Paperboard containers and boxes . . . . .	42.1	41.8	41.4	42.0	41.3	-	3.8	3.6	4.1	3.6
Folding and setup paperboard boxes . . . . .	-	40.3	40.4	41.0	40.3	-	-	-	-	-
Corrugated and solid fiber boxes . . . . .	-	43.1	42.5	43.3	42.4	-	-	-	-	-

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<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Nondurable Goods--Continued</i>										
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES . . . . .</b>	\$113.28	\$113.96	\$113.58	\$110.69	\$110.21	\$2.95	\$2.96	\$2.95	\$2.89	\$2.87
Newspaper publishing and printing . . . . .	116.44	117.49	116.12	113.20	113.52	3.19	3.21	3.19	3.11	3.11
Periodical publishing and printing . . . . .	-	117.81	121.60	115.49	112.58	-	2.99	3.01	2.88	2.85
Books . . . . .	-	106.75	107.38	105.97	106.14	-	2.61	2.60	2.61	2.57
Commercial printing . . . . .	114.85	116.03	115.64	112.32	112.22	2.96	2.96	2.95	2.83	2.87
Commercial printing, except lithographic . . . . .	-	113.20	112.81	110.09	109.98	-	2.91	2.90	2.88	2.82
Commercial printing, lithographic . . . . .	-	121.88	120.78	118.40	117.32	-	3.07	3.05	2.99	2.97
Bookbinding and related industries . . . . .	89.24	89.24	90.09	88.24	88.69	2.30	2.30	2.31	2.28	2.28
Other publishing and printing industries . . . . .	114.43	115.80	117.26	112.60	112.01	2.98	3.00	3.03	2.94	2.94
<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	116.62	115.51	114.40	113.42	112.59	2.79	2.77	2.75	2.72	2.70
Industrial chemicals . . . . .	131.88	130.73	129.58	127.60	126.58	3.14	3.15	3.13	3.06	3.05
Plastics and synthetics, except glass . . . . .	118.00	115.35	114.39	113.94	111.76	2.77	2.74	2.73	2.70	2.68
Plastics and synthetics, except fibers . . . . .	-	125.40	123.97	123.27	119.43	-	2.93	2.91	2.86	2.83
Synthetic fibers . . . . .	-	103.75	104.00	103.42	102.26	-	2.50	2.50	2.48	2.47
Drugs . . . . .	101.71	102.36	101.81	100.04	99.38	2.53	2.54	2.52	2.47	2.46
Pharmaceutical preparations . . . . .	-	97.81	97.27	95.04	94.72	-	2.47	2.45	2.40	2.38
Soap, cleaners, and toilet goods . . . . .	109.61	108.00	107.06	107.27	105.41	2.68	2.66	2.65	2.61	2.59
Soap and detergents . . . . .	-	130.21	127.92	129.16	126.07	-	3.13	3.12	3.09	3.06
Toilet preparations . . . . .	-	84.67	86.08	87.91	86.00	-	2.24	2.23	2.16	2.15
Paints, varnishes, and allied products . . . . .	109.78	110.35	110.35	106.50	108.36	2.62	2.64	2.64	2.56	2.58
Agricultural chemicals . . . . .	94.13	100.32	95.64	92.44	97.83	2.22	2.20	2.13	2.17	2.15
Fertilizers, complete and mixing only . . . . .	-	98.65	92.66	88.61	96.35	-	2.14	2.05	2.08	2.09
Other chemical products . . . . .	111.07	112.02	110.92	107.94	107.59	2.67	2.68	2.66	2.57	2.58
<b>PETROLEUM REFINING AND RELATED INDUSTRIES . . . . .</b>	135.04	133.14	130.92	133.25	131.57	3.17	3.17	3.17	3.15	3.14
Petroleum refining . . . . .	140.03	137.94	136.20	138.53	137.03	3.35	3.34	3.33	3.33	3.31
Other petroleum and coal products . . . . .	117.65	115.58	108.46	113.09	110.12	2.58	2.58	2.54	2.53	2.52
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS . . . . .</b>	106.34	104.90	102.25	100.53	99.23	2.55	2.54	2.50	2.47	2.45
Tires and inner tubes . . . . .	148.35	142.97	132.99	128.88	124.66	3.45	3.38	3.30	3.23	3.18
Other rubber products . . . . .	99.96	99.06	97.77	97.27	96.22	2.45	2.44	2.42	2.39	2.37
Miscellaneous plastic products . . . . .	90.29	89.86	89.44	87.56	87.13	2.16	2.16	2.15	2.12	2.12
<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	70.46	68.43	66.43	66.70	64.42	1.83	1.82	1.82	1.76	1.76
Leather tanning and finishing . . . . .	97.11	94.89	93.79	93.75	91.76	2.34	2.32	2.31	2.27	2.26
Foot wear, except rubber . . . . .	68.17	66.02	63.54	64.30	61.20	1.78	1.77	1.77	1.71	1.70
Other leather products . . . . .	66.53	64.93	64.40	64.09	62.56	1.76	1.75	1.75	1.70	1.70
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>										
<b>RAILROAD TRANSPORTATION:</b>										
Class I railroads . . . . .	-	(2)	(2)	116.48	119.46	-	(2)	(2)	2.78	2.74
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
Local and suburban transportation . . . . .	-	105.90	103.49	103.63	102.48	-	2.48	2.47	2.41	2.40
Intercity and rural bus lines . . . . .	-	125.38	125.97	124.27	122.69	-	2.95	2.95	2.87	2.86
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .</b>	-	122.77	121.18	118.58	117.31	-	2.93	2.92	2.81	2.82
<b>PIPELINE TRANSPORTATION . . . . .</b>	-	140.19	141.25	140.56	137.16	-	3.37	3.42	3.42	3.37
<b>COMMUNICATION:</b>										
Telephone communication . . . . .	-	103.22	101.79	102.00	101.24	-	2.60	2.59	2.55	2.55
Switchboard operating employees <sup>3</sup> . . . . .	-	79.27	76.47	77.38	78.70	-	2.16	2.13	2.08	2.11
Line construction employees <sup>4</sup> . . . . .	-	147.30	146.30	143.86	141.15	-	3.31	3.31	3.24	3.23
Telegraph communication <sup>5</sup> . . . . .	-	115.87	112.32	113.25	110.30	-	2.72	2.70	2.69	2.62
Radio and television broadcasting . . . . .	-	138.48	138.41	132.10	131.66	-	3.56	3.54	3.37	3.35
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	-	123.82	123.00	121.42	119.72	-	3.02	3.00	2.94	2.92
Electric companies and systems . . . . .	-	126.68	125.25	123.55	121.66	-	3.06	3.04	2.97	2.96
Gas companies and systems . . . . .	-	114.62	113.68	112.74	112.20	-	2.83	2.80	2.77	2.75
Combined utility systems . . . . .	-	133.33	133.25	131.14	129.15	-	3.26	3.25	3.16	3.15
Water, steam, and sanitary systems . . . . .	-	98.25	99.22	97.41	95.94	-	2.42	2.42	2.37	2.34

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,<sup>1</sup> by industry--Continued

Industry	Average weekly hours					Average overtime hours				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<i>Nondurable Goods--Continued</i>										
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES . . . . .</b>	38.4	38.5	38.5	38.3	38.4	-	2.9	2.9	2.7	2.8
Newspaper publishing and printing . . . . .	36.5	36.6	36.4	36.4	36.5	-	2.7	2.4	2.6	2.7
Periodical publishing and printing . . . . .	-	39.4	40.4	40.1	39.5	-	3.1	4.0	2.8	2.7
Books . . . . .	-	40.9	41.3	40.6	41.3	-	4.1	4.3	3.5	3.9
Commercial printing . . . . .	38.8	39.2	39.2	39.0	39.1	-	3.0	3.0	2.8	2.9
Commercial printing, except lithographic . . . . .	-	38.9	38.9	38.9	39.0	-	-	-	-	-
Commercial printing, lithographic . . . . .	-	39.7	39.6	39.6	39.5	-	-	-	-	-
Bookbinding and related industries . . . . .	38.8	38.8	39.0	38.7	38.9	-	2.4	2.5	2.4	2.2
Other publishing and printing industries . . . . .	38.4	38.6	38.7	38.3	38.1	-	2.5	2.7	2.4	2.1
<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	41.8	41.7	41.6	41.7	41.7	-	2.8	2.8	2.6	2.6
Industrial chemicals . . . . .	42.0	41.5	41.4	41.7	41.5	-	2.4	2.4	2.5	2.2
Plastics and synthetics, except glass . . . . .	42.6	42.1	41.9	42.2	41.7	-	2.5	2.5	2.7	2.1
Plastics and synthetics, except fibers . . . . .	-	42.8	42.6	43.1	42.2	-	-	-	-	-
Synthetic fibers . . . . .	-	41.5	41.6	41.7	41.4	-	-	-	-	-
Drugs . . . . .	40.2	40.3	40.4	40.5	40.4	-	2.0	2.1	2.2	2.0
Pharmaceutical preparations . . . . .	-	39.6	39.7	39.6	39.8	-	-	-	-	-
Soap, cleaners, and toilet goods . . . . .	40.9	40.6	40.4	41.1	40.7	-	2.0	2.0	2.4	2.1
Soap and detergents . . . . .	-	41.6	41.0	41.8	41.2	-	-	-	-	-
Toilet preparations . . . . .	-	37.8	38.6	40.7	40.0	-	-	-	-	-
Paints, varnishes, and allied products . . . . .	41.9	41.8	41.8	41.6	42.0	-	2.9	2.8	2.8	3.1
Agricultural chemicals . . . . .	42.4	45.6	44.9	42.6	45.5	-	7.3	6.9	3.6	6.8
Fertilizers, complete and mixing only . . . . .	-	46.1	45.2	42.6	46.1	-	-	-	-	-
Other chemical products . . . . .	41.6	41.8	41.7	42.0	41.7	-	2.9	2.8	2.8	2.6
<b>PETROLEUM REFINING AND RELATED INDUSTRIES . . . . .</b>	42.6	42.0	41.3	42.3	41.9	-	2.5	2.0	2.7	2.6
Petroleum refining . . . . .	41.8	41.3	40.9	41.6	41.4	-	1.7	1.5	1.9	1.9
Other petroleum and coal products . . . . .	45.6	44.8	42.7	44.7	43.7	-	5.6	4.2	5.6	5.1
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS . . . . .</b>	41.7	41.3	40.9	40.7	40.5	-	3.5	2.9	2.9	2.5
Tires and inner tubes . . . . .	43.0	42.3	40.3	39.9	39.2	-	4.6	2.7	2.8	2.1
Other rubber products . . . . .	40.8	40.6	40.4	40.7	40.6	-	2.5	2.3	2.6	2.3
Miscellaneous plastic products . . . . .	41.8	41.6	41.6	41.3	41.1	-	3.8	3.6	3.3	3.1
<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	38.5	37.6	36.5	37.9	36.6	-	1.4	1.2	1.4	1.1
Leather tanning and finishing . . . . .	41.5	40.9	40.6	41.3	40.6	-	3.1	2.8	3.2	2.8
Foot wear, except rubber . . . . .	38.3	37.3	35.9	37.6	36.0	-	1.2	1.0	1.2	.9
Other leather products . . . . .	37.8	37.1	36.8	37.7	36.8	-	1.4	1.3	1.4	1.0
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>										
<b>RAILROAD TRANSPORTATION:</b>										
Class I railroads . . . . .	-	(2)	(2)	41.9	43.6	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
Local and suburban transportation . . . . .	-	42.7	41.9	43.0	42.7	-	-	-	-	-
Intercity and rural bus lines . . . . .	-	42.5	42.7	43.3	42.9	-	-	-	-	-
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .</b>	-	41.9	41.5	42.2	41.6	-	-	-	-	-
<b>PIPELINE TRANSPORTATION . . . . .</b>	-	41.6	41.3	41.1	40.7	-	-	-	-	-
<b>COMMUNICATION:</b>										
Telephone communication . . . . .	-	39.7	39.3	40.0	39.7	-	-	-	-	-
Switchboard operating employees <sup>3</sup> . . . . .	-	36.7	35.9	37.2	37.3	-	-	-	-	-
Line construction employees <sup>4</sup> . . . . .	-	44.5	44.2	44.4	43.7	-	-	-	-	-
Telegraph communication <sup>5</sup> . . . . .	-	42.6	41.6	42.1	42.1	-	-	-	-	-
Radio and television broadcasting . . . . .	-	38.9	39.1	39.2	39.3	-	-	-	-	-
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>										
Electric companies and systems . . . . .	-	41.4	41.2	41.6	41.1	-	-	-	-	-
Gas companies and systems . . . . .	-	40.5	40.6	40.7	40.8	-	-	-	-	-
Combined utility systems . . . . .	-	40.9	41.0	41.5	41.0	-	-	-	-	-
Water, steam, and sanitary systems . . . . .	-	40.6	41.0	41.1	41.0	-	-	-	-	-

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<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>WHOLESALE AND RETAIL TRADE<sup>6</sup></b> . . . . .	-	\$79.87	\$79.07	\$78.19	\$77.39	-	\$2.08	\$2.07	\$2.01	\$2.01
<b>WHOLESALE TRADE</b> . . . . .	-	102.56	102.31	100.12	99.47	-	2.52	2.52	2.46	2.45
Motor vehicles and automotive equipment . . . . .	-	96.56	95.72	94.66	94.66	-	2.31	2.29	2.27	2.27
Drugs, chemicals, and allied products . . . . .	-	104.26	104.00	100.65	99.75	-	2.60	2.60	2.51	2.50
Dry goods and apparel . . . . .	-	93.74	95.26	90.86	90.64	-	2.48	2.52	2.41	2.43
Groceries and related products . . . . .	-	96.70	96.05	94.47	93.38	-	2.33	2.32	2.26	2.25
Electrical goods . . . . .	-	111.38	111.10	102.77	101.85	-	2.71	2.69	2.55	2.54
Hardware, plumbing, and heating goods . . . . .	-	98.33	97.44	96.05	95.65	-	2.41	2.40	2.36	2.35
Machinery, equipment, and supplies . . . . .	-	110.84	109.34	109.06	108.09	-	2.71	2.68	2.66	2.63
<b>RETAIL TRADE<sup>6</sup></b> . . . . .	-	69.94	69.19	68.96	67.68	-	1.87	1.86	1.81	1.80
General merchandise stores . . . . .	-	56.10	55.26	54.79	53.51	-	1.65	1.63	1.57	1.56
Department stores . . . . .	-	61.18	60.14	59.68	58.31	-	1.81	1.79	1.74	1.72
Limited price variety stores . . . . .	-	40.30	40.69	40.22	39.48	-	1.30	1.30	1.23	1.23
Food stores . . . . .	-	67.37	66.84	66.93	65.58	-	1.97	1.96	1.88	1.89
Grocery, meat, and vegetable stores . . . . .	-	68.94	68.20	68.74	66.82	-	2.01	2.00	1.92	1.92
Apparel and accessories stores . . . . .	-	55.10	54.43	54.70	54.06	-	1.64	1.62	1.59	1.59
Men's and boys' apparel stores . . . . .	-	67.71	66.42	67.28	66.06	-	1.83	1.84	1.78	1.80
Women's ready-to-wear stores . . . . .	-	49.62	49.10	48.76	48.33	-	1.49	1.47	1.43	1.43
Family clothing stores . . . . .	-	54.10	53.42	54.32	53.40	-	1.61	1.59	1.53	1.53
Shoe stores . . . . .	-	53.90	53.52	54.15	54.78	-	1.75	1.71	1.73	1.75
Furniture and appliance stores . . . . .	-	84.23	83.81	82.62	81.40	-	2.09	2.09	2.02	2.00
Other retail trade . . . . .	-	80.12	79.32	78.81	78.06	-	1.94	1.93	1.89	1.89
Motor vehicle dealers . . . . .	-	100.99	99.44	98.99	98.33	-	2.29	2.26	2.26	2.25
Other vehicle and accessory dealers . . . . .	-	84.58	84.10	82.65	82.16	-	1.94	1.92	1.87	1.88
Drug stores . . . . .	-	59.43	59.26	60.10	58.08	-	1.66	1.66	1.62	1.60
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>										
Banking . . . . .	-	75.89	75.92	74.40	74.40	-	2.04	2.03	2.00	2.00
Security dealers and exchanges . . . . .	-	(2)	(2)	123.77	124.19	-	-	-	-	-
Insurance carriers . . . . .	-	(2)	(2)	96.13	95.57	-	-	-	-	-
Life insurance . . . . .	-	(2)	(2)	101.21	100.25	-	-	-	-	-
Accident and health insurance . . . . .	-	(2)	(2)	82.06	81.97	-	-	-	-	-
Fire, marine, and casualty insurance . . . . .	-	(2)	(2)	92.20	92.07	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS:</b>										
Hotels and lodging places:										
Hotels, tourist courts, and motels <sup>7</sup> . . . . .	-	49.28	48.89	47.36	47.86	-	1.28	1.26	1.23	1.24
Personal services:										
Laundries, cleaning and dyeing plants * . . . . .	-	56.59	55.63	52.67	52.54	-	1.44	1.43	1.33	1.33
Motion pictures:										
Motion picture filming and distributing . . . . .	-	130.48	130.89	128.89	121.25	-	-	-	-	-

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<sup>1</sup> by industry--Continued**

Industry	Average weekly hours					Average overtime hours				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>WHOLESALE AND RETAIL TRADE<sup>6</sup></b> . . . . .	-	38.4	38.2	38.9	38.5	-	-	-	-	-
<b>WHOLESALE TRADE</b> . . . . .	-	40.7	40.6	40.7	40.6	-	-	-	-	-
Motor vehicles and automotive equipment . . . . .	-	41.8	41.8	41.7	41.7	-	-	-	-	-
Drugs, chemicals, and allied products . . . . .	-	40.1	40.0	40.1	39.9	-	-	-	-	-
Dry goods and apparel . . . . .	-	37.8	37.8	37.7	37.3	-	-	-	-	-
Groceries and related products . . . . .	-	41.5	41.4	41.8	41.5	-	-	-	-	-
Electrical goods . . . . .	-	41.1	41.3	40.3	40.1	-	-	-	-	-
Hardware, plumbing, and heating goods . . . . .	-	40.8	40.6	40.7	40.7	-	-	-	-	-
Machinery, equipment, and supplies . . . . .	-	40.9	40.8	41.0	41.1	-	-	-	-	-
<b>RETAIL TRADE<sup>6</sup></b> . . . . .	-	37.4	37.2	38.1	37.6	-	-	-	-	-
General merchandise stores . . . . .	-	34.0	33.9	34.9	34.3	-	-	-	-	-
Department stores . . . . .	-	33.8	33.6	34.3	33.9	-	-	-	-	-
Limited price variety stores . . . . .	-	31.0	31.3	32.7	32.1	-	-	-	-	-
Food stores . . . . .	-	34.2	34.1	35.6	34.7	-	-	-	-	-
Grocery, meat, and vegetable stores . . . . .	-	34.3	34.1	35.8	34.8	-	-	-	-	-
Apparel and accessories stores . . . . .	-	33.6	33.6	34.4	34.0	-	-	-	-	-
Men's and boys' apparel stores . . . . .	-	37.0	36.1	37.8	36.7	-	-	-	-	-
Women's ready-to-wear stores . . . . .	-	33.3	33.4	34.1	33.8	-	-	-	-	-
Family clothing stores . . . . .	-	33.6	33.6	35.5	34.9	-	-	-	-	-
Shoe stores . . . . .	-	30.8	31.3	31.3	31.3	-	-	-	-	-
Furniture and appliance stores . . . . .	-	40.3	40.1	40.9	40.7	-	-	-	-	-
Other retail trade . . . . .	-	41.3	41.1	41.7	41.3	-	-	-	-	-
Motor vehicle dealers . . . . .	-	44.1	44.0	43.8	43.7	-	-	-	-	-
Other vehicle and accessory dealers . . . . .	-	43.6	43.8	44.2	43.7	-	-	-	-	-
Drug stores . . . . .	-	35.8	35.7	37.1	36.3	-	-	-	-	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>										
Banking . . . . .	-	37.2	37.4	37.2	37.2	-	-	-	-	-
Security dealers and exchanges . . . . .	-	-	-	-	-	-	-	-	-	-
Insurance carriers . . . . .	-	-	-	-	-	-	-	-	-	-
Life insurance . . . . .	-	-	-	-	-	-	-	-	-	-
Accident and health insurance . . . . .	-	-	-	-	-	-	-	-	-	-
Fire, marine, and casualty insurance . . . . .	-	-	-	-	-	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS:</b>										
Hotels and lodging places:										
Hotels, tourist courts, and motels <sup>7</sup> . . . . .	-	38.5	38.8	38.5	38.6	-	-	-	-	-
Personal services:										
Laundries, cleaning and dyeing plants* . . . . .	-	39.3	38.9	39.6	39.5	-	-	-	-	-
Motion pictures:										
Motion picture filming and distributing . . . . .	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>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.

<sup>2</sup>Not available.

<sup>3</sup>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.

<sup>4</sup>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.

<sup>5</sup>Data relate to nonsupervisory employees except messengers.

<sup>6</sup>Data exclude eating and drinking places.

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

\*Beginning January 1964, data relate to nonsupervisory workers and are not comparable with the production worker levels of prior years.  
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 <sup>1</sup>				
	June 1964	May 1964	Apr. 1964	June 1963	May 1963
<b>MANUFACTURING</b> .....	\$2.44	\$2.44	\$2.44	\$2.37	\$2.37
<b>DURABLE GOODS</b> .....	2.60	2.61	2.61	2.54	2.54
Ordnance and accessories .....	-	2.93	2.91	2.79	2.80
Lumber and wood products, except furniture .....	-	2.04	2.03	1.93	1.94
Furniture and fixtures .....	-	1.95	1.97	1.92	1.92
Stone, clay, and glass products .....	-	2.42	2.42	2.37	2.35
Primary metal industries .....	-	2.99	2.99	2.96	2.95
Fabricated metal products .....	-	2.58	2.58	2.51	2.52
Machinery .....	-	2.75	2.74	2.67	2.67
Electrical equipment and supplies .....	-	2.46	2.46	2.40	2.40
Transportation equipment .....	-	2.96	2.95	2.87	2.86
Instruments and related products .....	-	2.45	2.45	2.42	2.41
Miscellaneous manufacturing industries .....	-	2.02	2.02	1.97	1.96
<b>NONDURABLE GOODS</b> .....	2.21	2.20	2.20	2.14	2.14
Food and kindred products .....	-	2.29	2.30	2.22	2.22
Tobacco manufactures .....	-	2.00	1.98	1.99	2.00
Textile mill products .....	-	1.69	1.70	1.64	1.63
Apparel and related products .....	-	1.74	1.74	1.66	1.65
Paper and allied products .....	-	2.41	2.41	2.35	2.34
Printing, publishing, and allied industries .....	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products .....	-	2.68	2.66	2.64	2.62
Petroleum refining and related industries .....	-	3.08	3.09	3.05	3.04
Rubber and miscellaneous plastic products .....	-	2.44	2.42	2.39	2.38
Leather and leather products .....	-	1.79	1.79	1.73	1.73

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

<sup>2</sup>Not 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 dollars<sup>1</sup>**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
<b>MINING:</b>									
Current dollars .....	\$117.88	\$115.37	\$114.39	\$96.16	\$94.18	\$91.12	\$104.51	\$102.41	\$99.68
1957-59 dollars .....	109.35	107.02	107.71	89.20	87.37	85.80	96.95	95.00	93.86
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars .....	132.65	131.33	128.06	107.80	106.76	101.59	116.89	115.78	110.89
1957-59 dollars .....	123.05	121.83	120.58	100.00	99.04	95.66	108.43	107.40	104.42
<b>MANUFACTURING:</b>									
Current dollars .....	102.97	102.06	99.23	84.40	83.68	79.51	92.18	91.43	87.25
1957-59 dollars .....	95.52	94.68	93.44	78.29	77.63	74.87	85.51	84.81	82.16
<b>WHOLESALE AND RETAIL TRADE:<sup>2</sup></b>									
Current dollars .....	79.87	79.07	77.39	66.06	65.43	62.57	73.42	72.78	69.88
1957-59 dollars .....	74.09	73.35	72.87	61.28	60.70	58.92	68.11	67.51	65.80

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

<sup>2</sup>Data exclude eating and drinking places.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**
**Table C-5: Indexes of aggregate weekly man-hours and payrolls in industrial  
and construction activities<sup>1</sup>**

1957-59=100

Industry	June 1964	May 1964	Apr. 1964	June 1963	May 1963
	Man-hours				
<b>TOTAL</b> .....	106.3	103.5	101.2	104.4	101.6
<b>MINING</b> .....	84.8	82.5	80.2	86.7	84.2
<b>CONTRACT CONSTRUCTION</b> .....	118.5	110.6	101.5	116.1	107.6
<b>MANUFACTURING</b> .....	105.2	103.3	102.2	103.1	101.3
<b>DURABLE GOODS</b> .....	107.6	105.9	105.0	104.7	103.1
Ordnance and accessories .....	131.3	134.0	137.3	148.8	147.8
Lumber and wood products, except furniture ..	101.7	96.0	92.1	95.3	94.9
Furniture and fixtures .....	109.5	106.4	107.9	106.0	102.6
Stone, clay, and glass products .....	111.2	108.6	105.2	109.3	106.4
Primary metal industries .....	106.1	104.7	103.2	105.2	102.3
Fabricated metal products .....	110.0	107.7	106.6	105.7	103.4
Machinery .....	112.9	112.2	111.6	104.9	103.8
Electrical equipment and supplies .....	115.3	112.8	112.4	115.5	113.7
Transportation equipment .....	96.7	97.4	97.5	95.0	94.7
Instruments and related products .....	107.1	105.4	105.2	106.9	104.7
Miscellaneous manufacturing industries .....	106.4	103.2	101.8	102.6	100.7
<b>NONDURABLE GOODS</b> .....	102.0	99.8	98.5	101.0	99.0
Food and kindred products .....	90.5	87.2	84.8	93.4	88.7
Tobacco manufactures .....	81.0	79.3	80.3	78.4	76.5
Textile mill products .....	99.0	97.2	96.0	97.1	95.5
Apparel and related products .....	111.6	109.6	109.3	108.5	108.9
Paper and allied products .....	109.2	106.8	105.9	107.8	105.1
Printing, publishing, and allied industries .....	106.4	106.3	106.0	104.4	104.1
Chemicals and allied products .....	107.4	107.3	106.8	105.9	106.4
Petroleum refining and related industries .....	82.8	79.8	77.7	84.9	83.4
Rubber and miscellaneous plastic products .....	118.7	116.1	113.6	114.3	112.9
Leather and leather products .....	98.3	93.4	90.3	96.2	90.2
	Payrolls				
<b>MINING</b> .....	-	92.5	89.4	95.9	92.1
<b>CONTRACT CONSTRUCTION</b> .....		137.1	127.1	138.9	128.3
<b>MANUFACTURING</b> .....	126.0	123.6	122.0	119.9	117.4

<sup>1</sup>For 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 industries<sup>1</sup>  
seasonally adjusted**

Industry	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
<b>MINING</b> .....	42.0	42.1	41.8	41.6	42.0	41.6	41.5	41.4	41.8	41.8	41.5	40.9	42.2
<b>CONTRACT CONSTRUCTION</b> .....	37.4	37.4	37.3	37.6	37.4	35.6	36.6	36.9	37.6	37.3	37.2	37.3	37.6
<b>MANUFACTURING</b> .....	40.6	40.7	40.7	40.7	40.6	40.1	40.5	40.5	40.6	40.7	40.3	40.4	40.5
<b>DURABLE</b> .....	41.4	41.3	41.4	41.2	41.3	40.8	41.5	41.1	41.2	41.3	41.0	41.2	41.3
Ordnance and accessories .....	40.5	40.1	40.4	40.0	40.3	40.6	41.0	40.6	41.2	41.4	41.3	41.0	41.4
Lumber and wood products, except furniture ...	39.9	39.9	40.2	40.3	40.3	39.2	40.7	40.1	40.3	40.2	40.0	40.4	40.1
Furniture and fixtures .....	41.0	41.2	41.4	41.2	41.4	40.1	41.0	41.0	40.7	40.7	40.9	41.2	40.9
Stone, clay, and glass products .....	41.5	41.7	41.8	41.6	41.7	40.7	41.0	41.3	41.6	41.3	41.2	41.4	41.5
Primary metal industries .....	41.5	41.8	41.4	41.2	41.1	41.0	41.1	40.9	40.6	40.7	40.9	41.1	41.7
Fabricated metal products .....	41.5	41.7	41.8	41.6	41.8	41.3	41.8	41.5	41.6	41.4	41.1	41.2	41.2
Machinery .....	42.3	42.3	42.3	42.3	42.4	41.9	42.4	42.1	41.9	42.1	41.7	41.7	41.7
Electrical equipment and supplies .....	40.5	40.5	40.7	40.4	40.4	40.0	40.3	40.2	40.3	40.3	40.3	40.6	40.4
Transportation equipment .....	42.1	41.7	42.0	41.5	41.8	42.0	42.3	42.3	42.3	42.0	41.5	42.1	42.2
Instruments and related products .....	40.7	40.7	40.7	40.6	40.8	39.8	40.7	40.7	41.0	41.1	40.7	40.8	40.7
Miscellaneous manufacturing industries .....	39.4	39.5	39.8	39.8	39.8	38.8	39.5	39.4	39.7	39.8	39.8	39.7	39.5
<b>NONDURABLE GOODS</b> .....	39.7	39.8	39.8	39.9	39.9	39.1	39.6	39.5	39.8	39.7	39.6	39.5	39.6
Food and kindred products .....	40.6	40.9	41.0	40.8	41.0	40.7	41.0	40.9	41.0	40.9	41.0	40.8	41.0
Tobacco manufactures .....	39.3	39.7	40.5	39.7	36.5	37.6	38.2	39.2	38.1	37.2	39.9	39.4	39.7
Textile mill products .....	41.0	41.1	41.1	41.1	41.2	40.4	41.1	40.8	41.0	40.7	40.5	40.4	40.5
Apparel and related products .....	35.8	36.0	36.4	36.3	36.4	34.7	36.0	35.7	36.4	36.6	35.9	36.0	36.0
Paper and allied products .....	42.7	42.8	42.8	42.7	43.0	42.5	43.0	42.8	43.0	42.8	42.7	42.7	42.7
Printing, publishing, and allied industries .....	38.4	38.5	38.7	38.5	38.5	38.1	38.4	38.1	38.4	38.4	38.4	38.3	38.3
Chemicals and allied products .....	41.5	41.6	41.4	41.8	41.5	41.2	41.7	41.4	41.5	41.5	41.5	41.6	41.4
Petroleum refining and related industries .....	42.2	42.0	41.4	42.0	42.2	41.4	41.9	41.5	41.6	41.5	41.6	41.7	41.9
Rubber and miscellaneous plastic products .....	41.1	41.2	41.5	41.2	41.1	40.7	41.5	40.9	41.0	41.2	40.8	40.2	40.1
Leather and leather products .....	37.9	38.3	37.8	37.7	37.9	36.5	38.2	37.4	38.9	38.3	37.8	37.0	37.3
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b> .....	-	38.6	38.4	38.4	38.5	38.3	38.6	38.6	38.5	38.6	38.7	38.7	38.7
<b>WHOLESALE TRADE</b> .....	-	40.7	40.7	40.7	40.6	40.3	40.7	40.5	40.6	40.5	40.6	40.5	40.6
<b>RETAIL TRADE<sup>2</sup></b> .....	-	37.6	37.4	37.4	37.5	37.3	37.8	37.7	37.8	37.7	37.8	37.9	37.9

<sup>1</sup>For 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.

<sup>2</sup>Data 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 activities<sup>1</sup>  
seasonally adjusted**

1957-59=100

Industry	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963
<b>TOTAL</b> .....	103.8	103.7	104.0	103.5	103.4	100.1	102.2	101.2	102.3	101.9	101.2	101.8	101.9
<b>MINING</b> .....	82.0	81.9	81.8	80.6	81.4	80.9	81.6	81.0	81.6	82.1	81.7	82.3	83.9
<b>CONTRACT CONSTRUCTION</b> .....	108.3	107.7	108.5	110.7	111.5	99.5	105.4	104.5	106.7	106.2	105.9	105.7	105.9
<b>MANUFACTURING</b> .....	104.0	104.1	104.2	103.4	103.1	101.1	102.7	101.7	102.5	102.1	101.3	102.1	102.1
<b>DURABLE GOODS</b> .....	105.9	105.6	106.2	104.8	104.2	102.6	104.0	102.9	103.4	103.0	101.9	103.3	103.1
Ordnance and accessories .....	133.4	134.6	138.0	137.9	140.1	146.2	147.6	144.9	150.8	150.3	149.9	148.8	151.6
Lumber and wood products, except furniture ...	94.9	94.5	95.9	97.8	96.9	93.6	97.3	95.2	94.6	94.2	92.3	90.7	89.1
Furniture and fixtures .....	110.2	110.0	111.2	109.7	109.6	105.8	107.9	107.2	106.4	106.7	107.3	108.0	106.9
Stone, clay, and glass products .....	106.3	106.6	107.1	107.0	106.4	102.4	103.6	104.6	104.5	103.5	104.5	105.4	104.6
Primary metal industries .....	104.2	104.0	102.6	100.0	99.3	98.2	98.2	96.6	95.8	96.8	98.8	102.5	103.2
Fabricated metal products .....	107.9	108.0	108.9	107.5	106.9	104.6	106.2	104.7	105.5	105.0	103.7	104.0	103.6
Machinery .....	110.5	110.1	109.5	108.9	107.2	107.3	108.1	106.7	106.2	105.4	104.1	102.8	102.5
Electrical equipment and supplies .....	116.0	115.1	115.5	113.8	113.1	112.4	113.5	112.6	113.9	113.7	113.9	115.9	116.2
Transportation equipment .....	96.4	95.9	98.4	95.3	95.2	94.5	95.6	94.5	96.8	95.5	89.7	94.3	94.8
Instruments and related products .....	107.0	106.6	106.6	106.3	106.4	103.4	106.2	106.2	106.5	106.8	107.0	107.8	107.0
Miscellaneous manufacturing industries .....	104.6	104.5	105.3	104.7	104.7	100.5	102.9	103.0	102.8	104.0	104.3	102.8	100.7
<b>NONDURABLE GOODS</b> .....	101.6	102.1	101.7	101.5	101.6	99.1	101.0	100.1	101.4	100.8	100.5	100.6	100.7
Food and kindred products .....	90.5	92.0	92.0	92.6	93.7	93.0	93.8	93.0	94.1	92.6	93.3	92.7	93.4
Tobacco manufactures .....	94.7	94.4	96.3	94.4	85.7	86.0	93.2	98.0	89.5	82.8	96.1	90.1	90.8
Textile mill products .....	97.1	97.6	97.6	97.7	97.8	95.2	96.5	95.9	96.3	95.3	94.9	95.2	95.3
Apparel and related products .....	112.4	112.4	112.1	110.5	110.9	104.8	108.4	107.1	111.1	111.2	108.6	110.4	109.5
Paper and allied products .....	107.9	107.7	107.3	107.0	107.3	105.8	107.5	106.6	107.1	106.6	106.8	106.8	106.6
Printing, publishing, and allied industries .....	106.8	107.0	107.1	106.2	105.8	104.4	105.4	103.3	104.3	104.6	104.8	104.5	104.5
Chemicals and allied products .....	106.5	106.0	104.7	106.1	105.1	104.0	105.5	104.5	105.3	105.1	105.3	105.6	105.1
Petroleum refining and related industries .....	80.1	79.1	78.6	80.5	80.8	79.3	81.7	81.6	82.4	82.2	82.4	82.6	82.3
Rubber and miscellaneous plastic products .....	117.8	118.1	117.9	116.3	114.6	111.7	113.1	111.9	111.1	112.0	111.2	111.4	113.2
Leather and leather products .....	96.4	97.8	95.3	94.7	94.9	90.8	95.6	94.0	98.7	97.2	95.3	94.2	94.3

<sup>1</sup>For 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		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
ALABAMA.....	\$88.97	\$87.88	\$85.89	41.0	40.5	40.9	\$2.17	\$2.17	\$2.10
Birmingham.....	115.37	114.96	113.97	41.5	41.5	41.9	2.78	2.77	2.72
Mobile.....	108.77	108.27	103.89	41.2	40.4	40.9	2.64	2.68	2.54
ALASKA.....	(1)	159.10	139.60	(1)	40.9	40.0	(1)	3.89	3.49
ARIZONA.....	107.20	107.46	105.32	40.0	40.4	40.2	2.68	2.66	2.62
Phoenix.....	108.27	108.67	106.13	40.4	40.7	40.2	2.68	2.67	2.64
Tucson.....	112.13	113.87	111.25	38.8	39.4	38.9	2.89	2.89	2.86
ARKANSAS.....	72.62	71.73	69.60	40.8	40.3	40.7	1.78	1.78	1.71
Fort Smith.....	70.62	67.94	70.18	39.9	39.5	40.1	1.77	1.72	1.75
Little Rock-North Little Rock.....	72.32	70.75	68.68	40.4	40.2	40.4	1.79	1.76	1.70
Pine Bluff.....	84.67	84.64	80.60	41.1	41.9	40.3	2.06	2.02	2.00
CALIFORNIA.....	118.59	117.60	114.51	40.2	40.0	39.9	2.95	2.94	2.87
Bakersfield.....	127.17	125.15	124.84	40.5	40.5	41.2	3.14	3.09	3.03
Fresno.....	97.40	97.28	90.90	37.9	38.0	37.1	2.57	2.56	2.45
Los Angeles-Long Beach.....	116.87	116.47	113.24	40.3	40.3	40.3	2.90	2.89	2.81
Sacramento.....	135.34	135.14	128.24	40.4	40.1	40.2	3.35	3.37	3.19
San Bernardino-Riverside-Ontario.....	119.36	119.36	115.37	40.6	40.6	40.2	2.94	2.94	2.87
San Diego.....	128.74	127.80	120.59	41.0	40.7	39.8	3.14	3.14	3.03
San Francisco-Oakland.....	125.61	124.34	121.13	39.5	39.1	39.2	3.18	3.18	3.09
San Jose.....	119.89	119.40	118.90	39.7	39.8	39.9	3.02	3.00	2.98
Stockton.....	118.53	117.55	108.92	41.3	41.1	38.9	2.87	2.86	2.80
COLORADO.....	114.26	112.48	108.40	41.4	40.9	40.6	2.76	2.75	2.67
Denver.....	115.93	113.02	107.87	41.7	40.8	40.4	2.78	2.77	2.67
CONNECTICUT.....	107.79	106.86	103.22	41.3	41.1	40.8	2.61	2.60	2.53
Bridgeport.....	111.22	111.64	107.49	41.5	41.5	41.5	2.68	2.69	2.59
Hartford.....	111.37	110.53	107.01	41.4	41.4	41.0	2.69	2.67	2.61
New Britain.....	111.57	109.93	101.56	42.1	41.8	40.3	2.65	2.63	2.52
New Haven.....	104.49	104.38	101.81	40.5	40.3	40.4	2.58	2.59	2.52
Stamford.....	110.70	115.92	110.97	41.0	42.0	41.1	2.70	2.76	2.70
Waterbury.....	108.68	106.30	103.00	41.8	41.2	41.2	2.60	2.58	2.50
DELAWARE.....	105.47	103.97	103.57	41.2	40.3	41.1	2.56	2.58	2.52
Wilmington.....	117.79	115.95	115.06	40.9	40.4	40.8	2.88	2.87	2.82
DISTRICT OF COLUMBIA:									
Washington.....	111.44	110.48	109.25	39.1	38.9	39.3	2.85	2.84	2.78
FLORIDA.....	87.36	87.78	85.08	41.6	41.8	41.1	2.10	2.10	2.07
Jacksonville.....	89.98	92.99	88.04	40.9	41.7	40.2	2.20	2.23	2.19
Miami.....	80.98	81.37	79.59	39.5	39.5	39.4	2.05	2.06	2.02
Tampa-St. Petersburg.....	86.53	85.91	87.98	41.8	41.5	41.5	2.07	2.07	2.12
GEORGIA.....	76.76	76.97	72.80	40.4	40.3	40.0	1.90	1.91	1.82
Atlanta.....	94.00	95.91	91.94	40.0	40.3	40.5	2.35	2.38	2.27
Savannah.....	97.06	96.87	93.32	41.3	40.7	40.4	2.35	2.38	2.31
HAWAII.....	(1)	79.61	79.56	(1)	37.2	39.0	(1)	2.14	2.04
IDAHO.....	95.74	93.31	91.87	39.4	38.4	38.6	2.43	2.43	2.38
ILLINOIS.....	113.39	112.82	108.43	41.0	40.9	40.7	2.77	2.76	2.67
Chicago.....	114.49	114.07	110.32	40.9	40.8	40.8	2.80	2.79	2.70
Davenport-Rock Island-Moline.....	120.94	128.98	110.29	39.9	42.0	38.3	3.03	3.07	2.88
Peoria.....	136.25	136.85	118.74	43.7	43.8	40.5	3.12	3.12	2.93
Rockford.....	116.31	114.66	108.17	43.5	43.1	42.5	2.68	2.66	2.54
INDIANA.....	116.49	115.43	112.68	41.4	41.2	41.2	2.81	2.80	2.73
Indianapolis.....	(1)	114.53	111.64	(1)	41.1	41.2	(1)	2.79	2.71
IOWA.....	108.22	109.50	104.65	40.2	40.6	40.3	2.69	2.70	2.60
Des Moines.....	113.72	115.24	111.74	38.8	39.4	39.4	2.93	2.92	2.84
KANSAS.....	109.36	109.80	106.44	41.9	41.9	41.8	2.61	2.62	2.54
Topeka.....	117.77	113.70	114.78	43.7	42.5	43.4	2.70	2.67	2.65
Wichita 2.....	115.64	118.44	110.58	41.4	41.7	41.1	2.79	2.84	2.69

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		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
KENTUCKY.....	\$98.98	\$99.14	\$95.41	40.9	40.8	40.6	\$2.42	\$2.43	\$2.35
Louisville.....	115.28	116.24	113.12	41.7	42.0	42.0	2.77	2.77	2.69
LOUISIANA.....	105.00	103.66	99.48	42.0	41.8	41.8	2.50	2.48	2.38
Baton Rouge.....	128.71	128.17	127.07	42.2	42.3	41.8	3.05	3.03	3.04
New Orleans.....	108.36	106.34	101.25	41.2	40.9	40.5	2.63	2.60	2.50
Shreveport.....	101.05	98.56	91.76	43.0	42.3	40.6	2.35	2.33	2.26
MAINE.....	81.60	80.20	78.55	40.8	40.1	40.7	2.00	2.00	1.93
Lewiston-Auburn.....	66.02	63.88	66.33	37.3	36.5	37.9	1.77	1.75	1.75
Portland <sup>2</sup> .....	91.21	91.35	86.55	40.9	40.6	39.7	2.23	2.25	2.18
MARYLAND.....	104.04	101.45	102.50	40.8	40.1	41.0	2.55	2.53	2.50
Baltimore.....	110.70	106.93	108.36	41.0	40.2	41.2	2.70	2.66	2.63
MASSACHUSETTS.....	94.80	93.46	90.68	40.0	39.6	39.6	2.37	2.36	2.29
Boston.....	102.29	100.35	98.75	39.8	39.2	39.5	2.57	2.56	2.50
Fall River.....	67.61	66.31	64.80	35.4	34.9	35.8	1.91	1.90	1.81
New Bedford.....	74.69	74.30	70.31	38.3	38.3	37.6	1.95	1.94	1.87
Springfield-Chicopee-Holyoke.....	100.04	98.90	95.27	41.0	40.7	40.2	2.44	2.43	2.37
Worcester.....	100.50	100.00	95.35	40.2	40.0	39.4	2.50	2.50	2.42
MICHIGAN.....	135.50	134.80	126.90	43.5	43.4	42.4	3.12	3.11	2.99
Detroit.....	139.71	140.66	133.58	42.7	43.2	42.5	3.27	3.26	3.14
Flint.....	152.11	154.44	149.45	43.9	44.7	45.0	3.47	3.46	3.32
Grand Rapids.....	113.20	112.36	108.15	40.5	40.3	40.1	2.80	2.79	2.70
Lansing.....	139.24	132.44	135.69	43.8	42.3	43.8	3.18	3.13	3.10
Muskegon-Muskegon Heights.....	115.92	113.42	115.18	40.0	39.3	40.3	2.90	2.89	2.86
Saginaw.....	141.00	139.49	134.66	45.5	45.1	44.5	3.10	3.09	3.03
MINNESOTA.....	107.31	106.08	104.25	40.8	40.4	40.6	2.63	2.63	2.57
Duluth-Superior.....	106.79	101.83	108.58	39.8	38.4	40.6	2.68	2.65	2.67
Minneapolis-St. Paul.....	112.40	111.01	108.34	40.7	40.3	40.3	2.76	2.75	2.69
MISSISSIPPI.....	70.58	69.65	67.30	40.1	39.8	40.3	1.76	1.75	1.67
Jackson.....	75.06	74.45	74.69	41.7	42.3	42.2	1.80	1.76	1.77
MISSOURI.....	101.07	100.77	98.82	40.1	39.9	40.0	2.52	2.53	2.47
Kansas City.....	112.78	111.87	107.80	41.2	40.9	40.6	2.74	2.73	2.66
St. Louis.....	114.18	114.23	113.02	40.3	40.4	40.8	2.83	2.83	2.77
MONTANA.....	111.11	107.73	113.05	41.0	39.9	42.5	2.71	2.70	2.66
NEBRASKA.....	100.97	98.58	98.28	43.1	41.8	43.3	2.34	2.36	2.27
Omaha.....	108.96	107.16	106.04	42.4	41.8	42.5	2.57	2.57	2.50
NEVADA.....	130.73	127.26	125.29	40.6	40.4	39.4	3.22	3.15	3.18
NEW HAMPSHIRE.....	81.40	80.40	76.80	40.7	40.4	40.0	2.00	1.99	1.92
Manchester.....	75.08	74.49	70.68	38.9	39.0	38.0	1.93	1.91	1.86
NEW JERSEY.....	108.26	108.00	103.83	40.7	40.6	40.4	2.66	2.66	2.57
Jersey City <sup>3</sup> .....	107.33	107.45	102.00	40.5	40.7	40.0	2.65	2.64	2.55
Newark <sup>3</sup> .....	107.86	108.26	104.45	40.7	40.7	40.8	2.65	2.66	2.56
Paterson-Clifton-Passaic <sup>3</sup> .....	108.26	107.59	103.83	40.7	40.6	40.4	2.66	2.65	2.57
Perth Amboy <sup>3</sup> .....	113.02	112.61	107.04	40.8	40.8	40.7	2.77	2.76	2.63
Trenton.....	108.92	109.71	105.41	41.1	41.4	40.7	2.65	2.65	2.59
NEW MEXICO.....	92.69	90.06	97.16	40.3	39.5	41.7	2.30	2.28	2.33
Albuquerque.....	94.40	94.24	102.24	40.0	40.1	41.9	2.36	2.35	2.44

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		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
<b>NEW YORK</b> .....	\$101.79	\$101.79	\$97.89	39.3	39.3	39.0	\$2.59	\$2.59	\$2.51
Albany-Schenectady-Troy.....	111.91	112.46	107.60	40.4	40.6	40.0	2.77	2.77	2.69
Binghamton.....	97.12	96.08	91.65	40.3	40.2	39.0	2.41	2.39	2.35
Buffalo.....	126.54	124.80	122.13	41.9	41.6	41.4	3.02	3.00	2.95
Elmira.....	101.24	101.60	99.05	39.7	40.0	40.1	2.55	2.54	2.47
Nassau and Suffolk Counties <sup>4</sup> .....	104.93	106.38	104.02	39.3	39.4	39.4	2.67	2.70	2.64
New York-Northeastern New Jersey.....	100.75	100.75	97.14	38.9	38.9	38.7	2.59	2.59	2.51
New York SMSA <sup>3</sup> .....	96.27	96.65	93.50	37.9	37.9	37.7	2.54	2.55	2.48
New York City <sup>4</sup> .....	94.50	94.88	91.39	37.5	37.5	37.3	2.52	2.53	2.45
Rochester.....	117.71	116.44	112.61	41.3	41.0	41.1	2.85	2.84	2.74
Syracuse.....	110.16	110.02	108.24	40.8	40.9	41.0	2.70	2.69	2.64
Utica-Rome.....	95.76	96.40	94.49	39.9	40.0	39.7	2.40	2.41	2.38
Westchester County <sup>4</sup> .....	101.12	100.61	98.25	39.5	39.3	39.3	2.56	2.56	2.50
<b>NORTH CAROLINA</b> .....	71.75	70.82	68.30	41.0	40.7	40.9	1.75	1.74	1.67
Charlotte.....	78.62	78.44	76.26	41.6	41.5	41.9	1.89	1.89	1.82
Greensboro-High Point.....	71.82	72.76	67.42	39.9	40.2	39.2	1.80	1.81	1.72
<b>NORTH DAKOTA</b> .....	95.72	93.48	95.24	42.8	41.7	42.3	2.24	2.24	2.25
Fargo-Moorhead.....	103.24	105.14	100.79	40.6	40.4	40.3	2.54	2.60	2.50
<b>OHIO</b> .....	121.03	120.11	116.85	41.6	41.4	41.3	2.91	2.90	2.83
Akron.....	132.19	130.74	122.72	41.2	40.9	39.7	3.21	3.20	3.09
Canton.....	117.51	118.67	117.11	40.3	40.6	40.4	2.92	2.92	2.90
Cincinnati.....	114.06	112.97	110.17	41.6	41.3	41.6	2.74	2.74	2.65
Cleveland.....	126.83	125.73	120.95	42.2	42.0	41.9	3.01	2.99	2.89
Columbus.....	115.01	114.94	109.38	41.7	41.5	41.0	2.76	2.77	2.67
Dayton.....	130.91	129.84	124.28	42.5	42.2	41.7	3.08	3.08	2.98
Toledo.....	121.36	120.40	117.85	40.9	40.6	40.8	2.97	2.97	2.89
Youngstown-Warren.....	132.03	128.02	130.07	41.1	40.8	40.7	3.21	3.14	3.20
<b>OKLAHOMA</b> .....	98.23	96.51	92.43	41.8	41.6	40.9	2.35	2.32	2.26
Oklahoma City.....	93.08	92.00	85.68	42.5	42.2	40.8	2.19	2.18	2.10
Tulsa.....	104.08	102.31	98.40	41.3	40.6	41.0	2.52	2.52	2.40
<b>OREGON</b> .....	113.83	113.15	106.90	39.8	39.7	39.3	2.86	2.85	2.72
Portland.....	110.97	112.32	107.48	38.8	39.0	38.8	2.86	2.88	2.77
<b>PENNSYLVANIA</b> .....	101.85	101.20	98.95	40.1	40.0	39.9	2.54	2.53	2.48
Allentown-Bethlehem-Easton.....	97.67	97.27	94.57	38.3	38.6	38.6	2.55	2.52	2.45
Altoona.....	80.43	79.55	79.87	38.3	37.7	38.4	2.10	2.11	2.08
Erie.....	111.14	109.25	104.70	42.1	41.7	40.9	2.64	2.62	2.56
Harrisburg.....	89.82	88.75	85.50	40.1	39.8	39.4	2.24	2.23	2.17
Johnstown.....	103.13	105.08	104.15	37.5	37.8	39.3	2.75	2.78	2.65
Lancaster.....	92.03	91.80	86.86	40.9	40.8	40.4	2.25	2.25	2.15
Philadelphia.....	104.28	103.62	102.51	39.5	39.4	40.2	2.64	2.63	2.55
Pittsburgh.....	126.18	125.66	122.72	41.1	40.8	40.5	3.07	3.08	3.03
Reading.....	90.74	90.74	87.91	39.8	39.8	39.6	2.28	2.28	2.22
Scranton.....	72.54	72.72	71.63	37.2	37.1	37.5	1.95	1.96	1.91
Wilkes-Barre-Hazleton.....	71.96	72.36	69.52	36.9	37.3	36.4	1.95	1.94	1.91
York.....	89.45	88.83	84.05	41.8	41.9	41.0	2.14	2.12	2.05
<b>RHODE ISLAND</b> .....	84.61	84.00	82.42	40.1	40.0	40.6	2.11	2.10	2.03
Providence-Pawtucket-Warwick.....	83.98	84.42	83.03	39.8	40.2	40.5	2.11	2.10	2.05
<b>SOUTH CAROLINA</b> .....	73.34	72.39	69.29	41.2	40.9	41.0	1.78	1.77	1.69
Charleston.....	81.00	79.19	82.40	40.1	39.4	41.2	2.02	2.01	2.00
Greenville.....	71.86	70.76	65.04	41.3	40.9	40.4	1.74	1.73	1.61
<b>SOUTH DAKOTA</b> .....	104.31	102.62	101.34	44.9	44.0	45.9	2.32	2.33	2.21
Sioux Falls.....	117.47	113.38	114.68	46.7	44.9	48.0	2.52	2.53	2.39
<b>TENNESSEE</b> .....	82.62	81.41	78.96	40.7	40.3	40.7	2.03	2.02	1.94
Chattanooga.....	89.21	87.10	84.23	41.3	40.7	40.3	2.16	2.14	2.09
Knoxville.....	92.50	92.20	93.89	39.7	39.4	41.0	2.33	2.34	2.29
Memphis.....	95.63	94.39	89.60	41.4	41.4	41.1	2.31	2.28	2.18
Nashville.....	87.12	85.24	83.84	40.9	40.4	40.7	2.13	2.11	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		
	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963	May 1964	Apr. 1964	May 1963
TEXAS.....	\$100.50	\$100.74	\$97.34	41.7	41.8	41.6	\$2.41	\$2.41	\$2.34
Dallas.....	89.19	89.21	86.53	41.1	41.3	41.6	2.17	2.16	2.08
Fort Worth.....	107.43	105.83	101.70	41.8	41.5	42.2	2.57	2.55	2.41
Houston.....	120.37	119.66	114.90	43.3	43.2	42.4	2.78	2.77	2.71
San Antonio.....	76.36	74.66	73.10	41.5	40.8	41.3	1.84	1.83	1.77
UTAH.....	114.26	112.03	109.33	41.1	40.3	39.9	2.78	2.78	2.74
Salt Lake City.....	109.30	107.86	104.23	41.4	40.7	40.4	2.64	2.65	2.58
VERMONT.....	86.74	85.90	82.82	41.5	41.3	41.0	2.09	2.08	2.02
Burlington.....	89.06	87.69	85.72	40.3	39.5	39.5	2.21	2.22	2.17
Springfield.....	99.96	97.29	95.91	42.0	41.4	41.7	2.38	2.35	2.30
VIRGINIA.....	83.03	82.42	79.36	40.7	40.8	40.7	2.04	2.02	1.95
Norfolk-Portsmouth.....	92.88	93.31	84.66	43.2	43.4	40.9	2.15	2.15	2.07
Richmond.....	90.32	89.02	88.94	40.5	40.1	40.8	2.23	2.22	2.18
Roanoke.....	81.98	82.26	75.42	42.7	42.4	41.9	1.92	1.94	1.80
WASHINGTON.....	117.41	115.62	110.65	39.4	38.8	39.1	2.98	2.98	2.83
Seattle-Everett.....	117.48	115.20	111.04	38.9	38.4	39.1	3.02	3.00	2.84
Spokane.....	116.72	115.74	120.78	39.3	39.1	39.6	2.97	2.96	3.05
Tacoma.....	116.13	113.58	109.91	39.1	38.5	38.7	2.97	2.95	2.84
WEST VIRGINIA.....	107.60	106.80	104.92	40.3	40.3	40.2	2.67	2.65	2.61
Charleston.....	131.14	126.79	124.92	41.5	41.3	41.5	3.16	3.07	3.01
Huntington-Ashland.....	113.54	112.58	108.67	39.7	39.5	38.4	2.86	2.85	2.83
Wheeling.....	110.00	109.07	107.20	40.0	40.1	40.0	2.75	2.72	2.68
WISCONSIN.....	110.78	109.40	106.36	41.5	41.2	41.3	2.67	2.66	2.58
Green Bay.....	108.91	106.79	106.28	42.6	42.0	43.5	2.56	2.54	2.44
Kenosha.....	116.56	118.71	123.20	38.8	39.3	41.5	3.01	3.02	2.97
La Crosse.....	98.90	103.10	100.41	38.4	39.6	39.6	2.58	2.60	2.53
Madison.....	112.85	113.05	113.22	40.5	40.3	41.5	2.79	2.80	2.73
Milwaukee.....	121.43	120.00	114.80	41.2	41.0	40.6	2.95	2.93	2.83
Racine.....	115.99	115.94	111.00	40.7	40.8	40.6	2.85	2.84	2.73
WYOMING.....	110.09	110.04	106.70	39.6	39.3	38.8	2.78	2.80	2.75
Casper.....	115.36	119.42	121.20	38.2	38.4	40.0	3.02	3.11	3.03

<sup>1</sup> Not available.

<sup>2</sup> Area definition revised as follows:

Wichita.....Butler and Sedgwick Counties.

Portland.....Portland, South Portland, and Westbrook cities, and Cape Elizabeth,

Cumberland, Falmouth, Gorham, Scarborough, and Yarmouth towns in Cumberland County.

<sup>3</sup> Area included in New York-Northeastern New Jersey Standard Consolidated Area.

<sup>4</sup> Subarea of New York Standard Metropolitan Statistical Area.

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
<b>Total accessions</b>													
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 <sup>1</sup> .....	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	3.7	3.8	3.8								
<b>New hires</b>													
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	2.4	2.5								
<b>Total separations</b>													
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 <sup>1</sup> .....	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	3.5	3.5	3.5								
<b>Quits</b>													
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	1.3	1.4								
<b>Layoffs</b>													
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	1.4	1.4								

<sup>1</sup>Beginning 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	
	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964
<b>MANUFACTURING</b> .....	3.8	3.8	2.5	2.4	3.5	3.5	1.4	1.3	1.4	1.4
<b>DURABLE GOODS</b> .....	3.5	3.7	2.3	2.3	3.2	3.2	1.3	1.2	1.3	1.2
<b>NONDURABLE GOODS</b> .....	4.2	3.9	2.7	2.5	3.9	3.9	1.6	1.5	1.6	1.7
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	1.8	2.0	1.0	1.1	3.5	3.2	0.9	0.8	2.0	1.8
Ammunition, except for small arms .....	1.9	2.3	1.1	1.3	3.8	3.1	1.0	.8	2.2	1.8
Sighting and fire control equipment .....	1.7	1.6	.8	.7	5.9	4.6	.9	.9	3.5	2.7
Other ordnance and accessories .....	1.3	1.5	.7	.8	2.0	2.7	.8	.6	1.0	1.7
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	7.0	6.6	4.9	4.6	5.0	5.1	2.9	2.8	1.2	1.3
Sawmills and planing mills .....	4.9	5.1	4.1	4.0	4.0	4.2	2.4	2.4	.9	1.1
Sawmills and planing mills, general .....	4.8	5.1	4.0	4.1	4.0	4.1	2.4	2.5	.9	1.0
Millwork, plywood, and related products .....	5.1	5.4	4.3	4.4	4.5	4.3	2.7	2.6	.9	.7
Millwork .....	4.9	5.2	4.2	4.5	4.5	4.3	2.5	2.5	1.1	.9
Veneer and plywood .....	4.3	4.7	3.8	3.8	4.2	4.1	2.9	2.7	.5	.4
Wooden containers .....	6.6	5.8	5.0	3.4	5.0	4.1	2.3	2.1	1.6	1.2
Wooden boxes, shooks, and crates .....	7.0	5.9	5.4	3.6	4.4	4.3	2.5	2.2	1.2	1.3
Miscellaneous wood products .....	4.9	5.8	3.8	4.6	5.5	4.8	2.8	2.7	1.7	1.2
<b>FURNITURE AND FIXTURES</b> .....	4.6	4.6	3.8	3.6	4.7	4.2	2.6	2.4	1.3	1.0
Household furniture .....	4.6	4.5	3.9	3.7	4.9	4.5	2.9	2.7	1.3	.9
Wood house furniture, unupholstered .....	4.7	4.5	4.0	3.7	4.8	4.2	3.0	2.8	1.1	.6
Wood house furniture, upholstered .....	3.3	3.7	2.8	3.1	4.0	3.8	2.3	2.1	.8	1.0
Mattresses and bedsprings .....	5.0	4.3	4.2	3.7	3.6	3.9	2.3	2.0	.6	.7
Office furniture .....	3.6	2.7	2.3	2.1	2.8	2.9	1.4	1.5	.8	.9
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	4.6	4.8	2.9	2.8	3.0	3.2	1.3	1.2	1.0	1.3
Flat glass .....	5.8	2.5	.9	.6	1.7	4.1	.2	.2	1.1	3.5
Glass and glassware, pressed or blown .....	4.0	4.7	2.3	2.4	2.6	3.4	1.2	1.2	.6	1.3
Glass containers .....	4.7	6.1	3.1	3.1	2.9	3.9	1.5	1.6	.4	1.1
Pressed and blown glassware, n.e.c. .....	3.0	2.9	1.3	1.6	2.2	2.8	.8	.6	.8	1.5
Cement, hydraulic .....	2.9	5.1	.8	1.1	1.1	1.4	.3	.4	.4	.4
Structural clay products .....	4.7	5.1	3.4	3.1	3.6	2.8	1.9	1.6	1.1	.8
Brick and structural clay tile .....	5.6	6.0	4.2	3.9	3.4	3.1	2.5	2.0	.2	.5
Pottery and related products .....	2.4	2.3	1.6	1.7	3.3	3.6	.9	1.0	1.9	2.0
Abrasive products .....	1.4	1.7	1.0	1.2	1.4	1.2	.5	.5	.4	.3
<b>PRIMARY METAL INDUSTRIES</b> .....	2.9	3.1	1.8	1.8	1.8	2.2	.7	.7	.5	.8
Blast furnace and basic steel products .....	3.1	3.1	1.7	1.5	1.3	1.5	.4	.3	.3	.5
Blast furnaces, steel and rolling mills .....	3.2	3.1	1.7	1.5	1.2	1.5	.3	.3	.3	.4
Iron and steel foundries .....	3.4	4.0	2.7	2.9	2.6	3.7	1.4	1.5	.4	1.0
Gray iron foundries .....	3.3	3.8	2.6	2.6	2.5	3.6	1.5	1.4	.3	1.1
Malleable iron foundries .....	3.9	4.7	3.1	3.5	3.0	4.2	1.7	1.9	.2	.3
Steel foundries .....	3.3	4.1	2.7	3.4	2.6	3.7	1.1	1.6	.8	1.3
Nonferrous smelting and refining .....	2.4	2.6	1.5	1.4	1.7	2.1	.6	.8	.4	.8
Nonferrous rolling, drawing, and extruding .....	1.9	2.0	1.1	1.1	2.0	2.3	.5	.6	1.0	1.2
Copper rolling, drawing, and extruding .....	1.3	1.2	1.0	1.0	1.5	1.4	.4	.5	.6	.4
Aluminum rolling, drawing, and extruding .....	1.9	2.0	.9	1.1	2.8	2.0	.4	.5	2.0	1.0
Nonferrous wire drawing, and insulating .....	(1)	2.8	(1)	1.2	(1)	3.5	(1)	.8	(1)	2.3
Nonferrous foundries .....	3.6	3.9	2.5	2.9	3.4	3.8	1.5	1.8	1.3	1.3
Aluminum castings .....	3.4	4.7	2.5	3.6	3.7	4.5	1.7	2.3	1.3	1.3
Other nonferrous castings .....	3.7	3.1	2.6	2.2	3.1	3.0	1.4	1.3	1.3	1.3
Miscellaneous primary metal industries .....	2.0	2.2	1.2	1.5	2.1	1.8	.7	.7	.8	.6
Iron and steel forgings .....	2.0	2.2	1.2	1.5	2.0	1.8	.7	.7	.8	.6

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

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

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964
<i>Durable Goods--Continued</i>										
<b>FABRICATED METAL PRODUCTS</b> . . . . .	3.8	4.1	2.8	2.6	3.5	3.4	1.4	1.3	1.3	1.3
Metal cans . . . . .	5.1	5.3	2.5	2.2	4.8	4.2	.7	.7	3.0	2.6
Cutlery, hand tools, and general hardware . . . . .	2.6	3.1	1.9	1.9	2.7	2.8	1.3	1.1	.7	.8
Cutlery and hand tools, including saws . . . . .	2.2	2.5	1.7	1.9	2.3	2.1	1.2	1.0	.6	.6
Hardware, n.e.c. . . . .	2.9	3.5	1.9	1.9	2.9	3.2	1.3	1.1	.7	1.0
Heating equipment and plumbing fixtures . . . . .	3.3	4.3	2.2	2.8	3.3	3.2	1.1	1.3	1.5	1.1
Sanitary ware and plumbers' brass goods . . . . .	2.8	4.4	2.1	2.6	2.3	2.7	1.2	1.3	.6	.6
Heating equipment, except electric . . . . .	3.7	4.2	2.3	3.0	4.0	3.5	1.2	1.3	2.1	1.5
Fabricated structural metal products . . . . .	4.7	5.3	3.6	3.5	3.3	3.5	1.5	1.5	1.0	1.1
Fabricated structural steel . . . . .	4.4	6.0	3.1	3.8	3.4	3.8	1.3	1.4	1.1	1.4
Fabricated plate work (boiler shops) . . . . .	4.0	4.3	3.1	3.0	3.0	3.1	1.4	1.3	.9	.9
Architectural and miscellaneous metal work . . . . .	6.4	6.2	4.9	3.1	2.8	3.4	1.4	1.2	.9	1.4
Screw machine products, bolts, etc. . . . .	3.2	2.4	2.2	2.0	3.3	3.2	1.3	1.3	1.4	1.0
Bolts, nuts, screws, rivets, and washers . . . . .	2.2	2.2	1.9	1.8	1.8	2.0	.9	1.0	.3	.5
Metal stampings . . . . .	3.3	3.3	2.3	1.6	3.5	3.2	1.4	1.0	1.4	1.5
Miscellaneous fabricated wire products . . . . .	3.5	3.6	2.8	2.8	3.9	3.2	1.8	1.6	1.4	1.0
Miscellaneous fabricated metal products . . . . .	3.0	3.1	1.8	2.0	3.0	2.8	1.3	1.0	1.2	1.2
Valves, pipe, and pipe fittings . . . . .	2.9	2.9	1.9	2.1	2.7	2.7	1.4	1.0	.8	1.1
<b>MACHINERY</b> . . . . .	2.6	3.1	2.1	2.2	2.5	2.6	1.1	1.1	.8	.7
Engines and turbines . . . . .	2.4	2.6	1.6	1.7	2.8	1.9	.7	.5	1.3	.6
Steam engines and turbines . . . . .	1.7	1.9	.4	.6	1.6	2.2	.3	.3	.5	.8
Internal combustion engines, n.e.c. . . . .	2.9	3.0	2.4	2.4	3.5	1.7	1.0	.7	1.9	.5
Farm machinery and equipment . . . . .	2.7	2.5	2.2	2.0	3.4	3.7	1.4	1.5	1.4	1.3
Construction and related machinery . . . . .	2.7	3.0	2.3	2.4	2.2	2.1	1.0	1.0	.6	.6
Construction and mining machinery . . . . .	2.5	3.1	2.2	2.6	2.1	2.1	1.1	1.0	.4	.5
Oil field machinery, and equipment . . . . .	2.5	3.0	2.3	2.5	2.3	1.9	1.3	1.1	.6	.3
Conveyors, hoists, and industrial cranes . . . . .	3.3	2.8	2.5	2.2	2.1	2.6	.9	1.1	.7	1.0
Metalworking machinery and equipment . . . . .	2.4	3.0	2.0	2.4	2.1	2.4	1.1	1.1	.4	.6
Machine tools, metal cutting types . . . . .	1.9	2.3	1.7	2.0	1.4	1.4	.8	.7	1.1	1.2
Machine tool accessories . . . . .	1.7	2.2	1.5	1.8	1.7	1.9	.7	.9	.5	.4
Miscellaneous metalworking machinery . . . . .	2.0	2.3	1.7	1.9	1.4	1.6	.7	.8	.2	.3
Special industry machinery . . . . .	2.3	2.6	1.9	2.1	2.2	2.0	1.0	1.0	.5	.5
Food products machinery . . . . .	1.8	2.5	1.4	1.6	2.2	2.3	.9	.9	.8	.8
Textile machinery . . . . .	2.0	2.3	1.5	1.6	2.3	2.4	1.2	1.3	.5	.7
General industrial machinery . . . . .	2.2	2.4	1.8	1.9	1.7	1.9	1.0	.9	.4	.5
Pumps; air and gas compressors . . . . .	2.3	2.3	1.9	1.8	1.8	2.1	1.2	1.1	.2	.3
Ball and roller bearings . . . . .	1.6	1.9	1.0	1.1	1.2	2.0	.5	.7	.5	1.1
Mechanical power transmission goods . . . . .	1.9	2.5	1.7	2.0	1.3	1.4	.7	.8	.2	.1
Office, computing, and accounting machines . . . . .	2.2	4.3	1.2	1.2	1.6	4.2	.6	.7	.3	.8
Computing machines and cash registers . . . . .	2.2	5.2	1.2	1.1	1.6	5.1	.6	.6	.3	.8
Service industry machines . . . . .	3.2	3.8	2.3	2.8	4.2	3.0	1.3	1.5	2.1	.7
Refrigeration, except home refrigerators . . . . .	3.5	4.1	2.4	3.0	5.4	3.6	1.4	1.8	3.1	.9
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	3.1	3.0	1.8	1.8	3.2	3.1	1.1	1.1	1.4	1.4
Electric distribution equipment . . . . .	2.1	2.2	1.5	1.5	1.8	2.2	.9	.8	.4	.8
Electric measuring instruments . . . . .	2.2	2.4	1.3	1.5	2.6	2.7	1.1	1.0	.9	1.0
Power and distribution transformers . . . . .	2.1	1.9	1.2	1.0	1.6	2.1	.8	.6	.3	.9
Switchgear and switchboard apparatus . . . . .	2.1	2.3	1.8	1.7	1.4	1.9	.8	.8	.2	.5
Electrical industrial apparatus . . . . .	2.6	2.6	1.9	1.9	2.2	2.4	1.1	1.0	.5	.8
Motors and generators . . . . .	2.8	2.5	1.8	1.6	2.4	2.5	1.1	.9	.6	1.0
Industrial controls . . . . .	2.2	3.0	1.8	2.5	1.8	2.3	1.0	1.1	.2	.4
Household appliances . . . . .	3.0	3.3	2.2	2.1	2.9	3.1	1.1	1.1	1.0	1.2
Household refrigerators and freezers . . . . .	2.7	2.7	1.8	1.8	3.1	1.8	1.0	.8	1.0	.2
Household laundry equipment . . . . .	3.1	2.9	2.1	1.3	1.6	4.9	.8	.9	.3	3.6
Electric housewares and fans . . . . .	4.5	4.3	3.3	2.5	3.4	4.7	1.7	1.7	1.0	2.1
Electric lighting and wiring equipment . . . . .	2.6	3.1	1.8	2.0	3.2	3.0	1.2	1.4	1.3	1.0
Electric lamps . . . . .	1.2	1.3	.9	.8	1.6	1.8	.7	.7	.5	.5
Lighting fixtures . . . . .	3.3	4.1	2.3	2.2	4.5	3.3	1.3	1.5	2.5	1.2
Wiring devices . . . . .	2.6	3.1	1.9	2.4	2.8	3.4	1.4	1.6	.8	1.0
Radio and TV receiving sets . . . . .	7.5	5.0	2.7	2.5	6.3	4.6	1.9	1.4	3.5	2.4
Communication equipment . . . . .	1.9	2.2	1.2	1.3	2.8	2.7	.9	.8	1.4	1.2
Telephone and telegraph apparatus . . . . .	(1)	1.8	(1)	1.4	(1)	.9	(1)	.6	(1)	.1
Radio and TV communication equipment . . . . .	2.0	2.4	1.2	1.2	3.6	3.4	1.0	.9	1.9	1.7
Electronic components and accessories . . . . .	4.0	4.1	2.2	2.2	4.3	4.0	1.4	1.3	2.3	1.9
Electron tubes . . . . .	2.9	2.6	1.3	1.3	1.9	2.8	1.1	.9	.5	1.2
Electronic components, n.e.c. . . . .	4.4	4.6	2.5	2.5	5.1	4.4	1.5	1.5	2.9	2.1
Miscellaneous electrical equipment and supplies . . . . .	4.2	3.3	1.3	1.7	2.5	3.7	1.0	.9	1.0	2.3
Electrical equipment for engines . . . . .	2.9	2.7	1.4	1.4	2.3	3.3	.9	.7	.9	2.0

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	
	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964
<i>Durable Goods--Continued</i>										
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	3.2	3.4	1.7	1.9	3.8	3.4	0.9	1.0	2.0	1.6
Motor vehicles and equipment . . . . .	2.7	2.8	1.5	1.6	3.5	2.3	.6	.6	1.6	.7
Motor vehicles . . . . .	2.2	2.3	1.1	1.2	3.9	2.0	.5	.5	2.1	.6
Passenger car bodies . . . . .	3.1	3.0	.8	.9	6.9	3.5	.4	.4	3.9	1.1
Truck and bus bodies . . . . .	6.0	5.4	5.3	4.8	4.3	3.1	1.7	1.8	1.8	.6
Motor vehicle parts and accessories . . . . .	2.5	2.8	1.4	1.4	2.4	2.1	.6	.5	.7	.7
Aircraft and parts . . . . .	1.6	1.7	1.0	1.2	2.6	2.6	.9	.9	1.4	1.3
Aircraft . . . . .	1.4	1.6	1.0	1.1	2.6	2.4	.7	.9	1.6	1.1
Aircraft engines and engine parts . . . . .	1.3	1.3	.6	.8	2.2	2.5	.8	.7	1.0	1.3
Other aircraft parts and equipment . . . . .	2.9	3.0	2.0	2.2	3.4	3.6	1.3	1.3	1.6	1.7
Ship and boat building and repairing . . . . .	10.4	11.4	4.2	4.8	10.0	10.7	1.9	2.1	7.4	7.8
Ship building and repairing . . . . .	11.5	12.5	4.2	4.7	10.5	11.1	1.7	1.9	8.1	8.6
Railroad equipment . . . . .	4.5	5.8	2.2	3.0	3.1	5.2	1.0	1.1	1.3	3.1
Other transportation equipment . . . . .	7.2	8.8	6.4	7.3	5.0	6.9	3.4	4.2	.6	1.2
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	2.5	2.5	1.8	1.7	2.8	2.6	1.1	1.0	1.0	.9
Engineering and scientific instruments . . . . .	2.1	1.9	1.2	1.0	3.6	2.9	1.0	.7	2.2	1.5
Mechanical measuring and control devices . . . . .	3.0	2.7	1.9	1.8	2.8	2.7	1.1	1.1	.7	.8
Mechanical measuring devices . . . . .	2.5	1.9	2.3	1.7	2.4	2.1	1.2	1.0	.6	.7
Automatic temperature controls . . . . .	3.9	3.9	1.2	2.1	3.5	3.7	1.0	1.2	.8	1.0
Optical and ophthalmic goods . . . . .	2.6	3.2	2.2	2.7	2.9	2.7	1.5	1.4	.6	.6
Surgical, medical, and dental equipment . . . . .	2.9	2.9	2.3	2.4	3.1	2.3	1.5	1.2	1.1	.5
Photographic equipment and supplies . . . . .	(1)	1.7	(1)	1.4	(1)	1.7	(1)	.6	(1)	.5
Watches and clocks . . . . .	3.5	3.4	1.9	1.2	3.1	3.6	1.5	1.1	.9	1.6
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	5.2	5.7	3.0	3.4	4.6	4.5	1.9	1.9	1.8	1.8
Jewelry, silverware, and plated ware . . . . .	3.2	3.6	2.6	2.9	3.1	3.3	1.8	1.8	.8	.9
Toys, amusement, and sporting goods . . . . .	9.9	10.5	3.8	4.8	6.0	5.5	2.3	2.3	2.4	2.3
Toys, games, dolls, and play vehicles . . . . .	13.6	14.3	4.4	5.8	6.5	6.0	2.3	2.4	2.8	2.6
Sporting and athletic goods, n.e.c. . . . .	4.2	4.9	2.8	3.2	5.1	4.9	2.3	2.1	1.8	1.9
Pens, pencils, office and art materials . . . . .	2.8	2.9	2.1	2.3	3.3	4.2	1.5	1.3	1.3	2.4
Costume jewelry, burtons, and notions . . . . .	4.5	4.6	3.3	3.3	5.5	5.5	2.3	2.3	2.4	2.1
Other manufacturing industries . . . . .	3.5	4.3	2.6	2.9	4.0	3.8	1.6	1.7	1.7	1.4
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	5.5	4.9	3.5	2.8	4.5	4.6	1.6	1.5	2.2	2.5
Meat products . . . . .	5.8	5.5	3.2	2.4	4.8	4.6	2.0	1.6	2.2	2.4
Meat packing . . . . .	4.9	4.8	1.7	1.2	4.3	4.3	.9	.8	2.9	3.1
Poultry dressing and packing . . . . .	9.4	8.8	7.5	6.1	7.9	6.9	5.8	4.7	1.2	1.2
Grain mill products . . . . .	4.0	2.6	2.6	1.5	3.0	3.4	1.0	1.0	1.4	1.8
Flour and other grain mill products . . . . .	1.6	2.1	1.3	1.1	1.9	2.6	1.1	.7	.5	1.4
Prepared feeds for animals and fowls . . . . .	5.1	2.8	3.6	2.1	3.1	3.8	1.1	1.4	1.6	2.0
Bakery products . . . . .	4.2	3.4	3.4	2.8	3.3	3.2	1.8	1.6	.9	1.1
Bread, cake, and perishable products . . . . .	4.1	3.4	3.6	2.9	3.0	2.9	1.9	1.6	.6	.7
Biscuit, crackers, and pretzels . . . . .	4.7	3.1	2.0	1.9	4.7	5.4	1.2	1.3	2.9	3.3
Confectionery and related products . . . . .	4.9	5.5	2.8	2.6	5.6	5.7	1.4	1.7	3.7	3.5
Candy and other confectionery products . . . . .	5.8	6.5	3.3	3.0	6.7	6.0	1.5	2.0	4.5	3.5
Beverages . . . . .	6.3	5.4	4.4	3.1	4.1	4.1	1.7	1.3	1.9	2.2
Malt liquors . . . . .	5.4	5.4	2.3	1.5	4.2	4.0	.7	.4	3.2	3.2
<b>TOBACCO MANUFACTURES</b> . . . . .	2.4	3.0	1.4	1.9	2.5	6.8	1.0	1.2	.9	5.1
Cigarettes . . . . .	.9	.9	.5	.5	1.1	1.1	.3	.3	.2	.3
Cigars . . . . .	3.7	5.5	2.3	4.1	4.7	5.2	2.2	2.5	1.7	2.0

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

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

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964
<i>Nondurable Goods--Continued</i>										
<b>TEXTILE MILL PRODUCTS</b>	4.0	4.0	2.9	2.7	3.7	3.8	2.2	2.1	0.8	1.0
Cotton broad woven fabrics	3.4	3.1	2.6	2.3	3.3	3.3	2.4	2.1	.3	.6
Silk and synthetic broad woven fabrics	3.2	3.3	2.4	2.4	3.1	3.3	2.0	1.9	.5	.6
Weaving and finishing broad woolens	5.0	4.7	2.7	2.7	3.5	4.5	1.9	2.1	.9	1.7
Narrow fabrics and smallwares	2.8	3.9	2.1	2.6	2.8	3.3	1.6	1.6	.6	1.1
Knitting	4.8	4.9	3.4	3.4	3.9	4.1	2.2	2.2	1.2	1.3
Full-fashioned hosiery	2.9	4.8	2.3	3.9	3.5	4.5	2.3	2.5	1.0	1.0
Seamless hosiery	3.5	3.1	2.7	2.3	3.1	3.2	2.2	1.9	.6	.8
Knit underwear	2.3	2.9	1.5	1.8	2.2	3.1	1.6	1.8	.2	.9
Finishing textiles, except wool and knit	3.0	2.9	2.2	2.0	3.2	2.6	1.7	1.5	.8	.5
Floor covering	3.0	3.6	2.1	2.5	4.2	4.2	1.7	2.1	1.8	1.3
Yarn and thread	4.8	4.5	4.0	3.5	4.7	4.6	3.1	2.7	.8	1.0
Miscellaneous textile goods	4.5	5.0	2.5	2.3	4.1	4.2	1.6	1.5	1.6	2.0
<b>APPAREL AND RELATED PRODUCTS</b>	6.0	5.2	3.2	3.2	5.7	5.9	2.3	2.1	2.7	3.1
Men's and boys' suits and coats	4.8	3.7	2.3	1.9	2.4	5.4	1.2	1.2	.7	3.6
Men's and boys' furnishings	5.0	4.9	3.5	3.5	4.2	4.6	2.9	2.6	.7	1.3
Men's and boys' shirts and nightwear	4.7	4.6	3.1	3.2	3.8	4.5	2.6	2.5	.5	1.2
Men's and boys' separate trousers	5.0	4.2	3.7	3.3	4.6	4.7	3.1	2.6	.6	1.4
Work clothing	4.9	4.8	3.8	3.9	4.3	4.1	3.4	2.9	.3	.6
Women's and children's undergarments	4.0	4.6	2.4	2.8	5.2	4.7	2.2	2.3	2.5	1.8
Women's and children's underwear	4.3	5.1	2.6	3.0	6.1	5.1	2.5	2.6	3.1	2.0
Corsets and allied garments	3.5	3.5	2.2	2.3	3.7	3.8	1.7	1.8	1.3	1.5
<b>PAPER AND ALLIED PRODUCTS</b>	2.7	2.7	2.0	1.9	2.3	2.4	1.1	1.0	.7	.7
Paper and pulp	1.9	1.7	1.3	1.1	1.4	1.4	.5	.5	.4	.5
Paperboard	1.6	1.7	1.4	1.3	1.6	1.9	.6	.6	.7	.7
Converted paper and paperboard products	3.3	3.7	2.5	2.8	3.0	3.1	1.5	1.5	.9	.8
Bags, except textile bags	4.1	4.4	2.8	3.3	5.4	5.2	2.2	2.3	2.2	1.9
Paperboard containers and boxes	3.5	3.2	2.6	2.3	3.1	3.2	1.5	1.4	.8	1.0
Folding and setup paperboard boxes	3.9	3.2	2.8	2.3	3.2	3.4	1.6	1.4	.7	1.3
Corrugated and solid fiber boxes	3.5	3.2	2.9	2.4	2.6	2.7	1.5	1.4	.5	.5
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	2.7	2.8	2.1	2.2	2.9	2.6	1.4	1.3	1.0	.8
<b>CHEMICALS AND ALLIED PRODUCTS</b>	2.0	2.2	1.5	1.6	2.5	1.9	.8	.7	1.2	.7
Industrial chemicals	1.2	1.1	.9	.8	1.0	1.0	.4	.4	.3	.2
Plastics and synthetics, except glass	1.7	1.7	1.3	1.3	1.2	1.3	.6	.5	.2	.4
Plastics and synthetics, except fibers	1.9	1.8	1.5	1.4	1.2	1.2	.6	.5	.3	.3
Synthetic fibers	1.6	1.8	1.1	1.3	1.2	1.4	.6	.6	.2	.4
Drugs	1.6	1.6	1.2	1.2	1.9	1.7	.8	.7	.5	.5
Pharmaceutical preparations	1.7	1.8	1.2	1.4	2.1	1.8	.9	.8	.6	.6
Soap, cleaners, and toilet goods	3.1	3.2	2.0	1.9	2.9	2.8	1.1	.8	1.0	1.3
Soap and detergents	3.9	2.9	1.5	.7	2.5	2.6	.6	.4	1.1	1.8
Toilet preparations	3.2	4.3	2.6	3.0	4.1	3.6	1.9	1.2	1.4	1.4
Paints, varnishes, and allied products	2.2	2.2	1.9	1.9	1.6	1.6	.8	.9	.1	.2
Other chemical products	3.0	2.6	2.1	1.7	2.7	2.7	1.0	.9	1.2	1.4
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>	1.8	1.7	1.3	1.1	1.3	1.3	.5	.5	.4	.4
Petroleum refining	1.0	.9	.7	.7	1.0	1.1	.3	.4	.3	.3
Other petroleum and coal products	5.4	5.3	3.8	3.3	2.8	2.5	1.3	.9	.8	1.0
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b>	3.7	3.7	2.2	2.3	3.6	3.6	1.5	1.4	1.4	1.4
Tires and inner tubes	2.3	1.5	.7	.6	1.4	1.9	.2	.3	.7	1.1
Other rubber products	3.0	3.0	1.7	1.6	3.2	3.3	1.3	1.2	1.2	1.4
Miscellaneous plastic products	5.2	5.6	3.7	4.2	5.4	4.9	2.4	2.2	2.0	1.8

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	
	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964	May 1964	Apr. 1964
<i>Nondurable Goods--Continued</i>										
<b>LEATHER AND LEATHER PRODUCTS</b> .....	6.0	4.7	3.6	2.9	5.2	5.1	2.4	2.1	2.0	2.3
Leather tanning and finishing .....	4.0	4.9	3.1	2.7	3.3	3.5	1.4	1.3	.9	1.5
Footwear, except rubber .....	5.8	4.5	3.7	2.8	4.7	4.7	2.5	2.2	1.4	1.8
<b>NONMANUFACTURING</b>										
<b>METAL MINING</b> .....	2.8	5.3	1.8	2.1	1.9	2.5	1.3	1.4	.2	.5
Iron ores .....	2.8	8.4	.3	.7	.8	1.4	.4	.4	.1	.4
Copper ores .....	1.8	2.6	1.4	1.3	1.0	1.7	.7	.8	-	.3
<b>COAL MINING</b> .....	1.6	1.8	.9	.9	2.2	2.2	.5	.4	1.3	1.4
Bituminous .....	1.4	1.7	.8	.9	2.1	1.8	.5	.3	1.3	1.1
<b>COMMUNICATIONS:</b>										
Telephone communication .....	(1)	1.8	-	-	(1)	1.2	(1)	.8	(1)	.1
Telegraph communication? .....	(1)	1.7	-	-	(1)	1.5	(1)	.7	(1)	.4

<sup>1</sup>Not available.

<sup>2</sup>Data relate to all employees except messengers.

NOTE: Data for the current month are preliminary.

## 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 <sup>1</sup> .....	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	4.0	4.0	3.7							
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	2.7	2.4							
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 <sup>1</sup> .....	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	3.8	3.9	3.9							
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	1.4	1.4							
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	1.6	1.7							

<sup>1</sup>Beginning 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**

State and area	(Per 100 employees)									
	Accession rates				Total		Separation rates		Layoffs	
	Total		New hires		Apr. 1964	Mar. 1964	Quits			
	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964
ALABAMA <sup>1</sup>	3.8	4.0	2.2	2.1	3.2	3.4	1.3	1.2	1.4	1.6
Birmingham	2.8	3.5	1.5	1.6	2.6	2.8	.6	.7	1.4	1.4
Mobile <sup>1</sup>	11.6	10.8	1.4	1.9	9.2	12.2	1.3	1.2	7.5	10.5
ARIZONA	4.9	5.2	3.2	3.6	3.8	4.6	1.8	1.7	1.2	1.7
Phoenix	4.9	5.3	3.1	3.7	3.6	4.7	1.6	1.8	1.1	1.6
ARKANSAS	5.9	5.7	4.7	4.0	4.8	4.7	2.8	2.3	1.2	1.5
Fort Smith	7.4	6.4	7.1	5.6	5.0	5.1	4.0	3.1	.2	1.4
Little Rock-North Little Rock	5.2	6.0	4.3	5.0	4.9	4.8	3.2	2.7	.9	1.1
Pine Bluff	5.1	5.4	4.2	4.5	4.0	2.9	3.2	2.1	.2	.3
CALIFORNIA <sup>1</sup>	4.4	4.4	3.2	3.1	4.2	4.3	1.6	1.5	1.7	1.9
Los Angeles-Long Beach <sup>1</sup>	4.4	4.4	3.3	3.2	4.4	4.4	1.7	1.6	1.7	1.8
Sacramento <sup>1</sup>	1.7	1.7	1.0	1.0	2.0	2.1	1.0	.8	.7	.9
San Bernardino-Riverside-Ontario <sup>1</sup>	3.9	3.5	3.4	3.0	3.4	3.2	1.5	1.2	1.1	1.1
San Diego <sup>1</sup>	2.7	2.4	2.0	1.6	3.4	5.0	.9	.9	2.1	3.8
San Francisco-Oakland <sup>1</sup>	5.2	5.4	3.4	3.3	4.5	4.5	1.2	1.2	2.5	2.5
San Jose <sup>1</sup>	2.2	2.8	1.6	1.9	3.4	3.2	1.1	1.2	1.6	1.3
Stockton <sup>1</sup>	4.8	6.5	2.8	3.2	2.7	2.3	1.5	.9	.7	.8
COLORADO	3.8	4.0	2.3	2.3	4.1	4.4	1.4	1.3	2.1	2.4
CONNECTICUT	2.4	2.3	1.6	1.5	2.8	2.5	1.1	1.0	1.2	1.0
Bridgeport	2.2	1.8	1.5	1.2	2.6	2.5	1.1	.9	1.1	1.2
Hartford	1.7	1.7	1.2	1.3	2.5	2.0	1.0	.9	.9	.6
New Britain	2.8	1.7	1.9	1.2	2.6	2.2	.8	.8	1.1	.6
New Haven	2.4	3.0	1.6	1.7	3.1	2.8	1.0	1.3	1.5	.9
Stamford	1.9	2.3	1.4	1.9	1.8	1.8	1.0	1.1	.4	.4
Waterbury	2.1	1.9	.8	1.0	2.7	2.4	1.0	.9	1.3	1.2
DELAWARE <sup>1</sup>	2.5	2.8	1.7	1.3	2.2	1.9	.9	.8	.7	.5
Wilmington <sup>1</sup>	2.2	2.6	1.4	1.3	2.1	1.7	.8	.5	.6	.5
DISTRICT OF COLUMBIA:										
Washington	3.3	2.8	3.0	2.4	2.9	3.9	1.9	1.9	.4	.7
FLORIDA	5.2	4.7	3.7	3.6	5.7	6.4	2.4	2.2	2.5	3.4
Jacksonville	8.9	5.9	5.6	2.1	6.6	5.1	3.1	2.2	2.7	2.3
Miami	5.0	4.5	4.3	4.0	4.9	4.0	2.5	1.9	1.8	1.3
Tampa-St. Petersburg	5.6	5.3	3.5	3.9	5.8	6.9	1.9	1.3	2.7	4.7
GEORGIA	4.0	4.1	2.9	2.9	3.9	3.8	2.1	1.9	1.1	1.2
Atlanta <sup>2</sup>	3.5	3.4	2.8	2.6	3.2	2.9	1.7	1.7	.7	.4
HAWAII <sup>3</sup>	3.7	4.1	2.9	1.7	2.6	3.1	1.1	1.1	.5	1.1
IDAHO <sup>4</sup>	5.2	5.0	3.8	3.4	5.5	6.8	2.0	1.8	3.0	4.6
INDIANA <sup>1</sup>	3.6	3.5	2.4	2.1	2.8	2.8	1.2	1.1	1.0	1.2
Indianapolis <sup>5</sup>	2.8	2.8	1.8	1.8	2.3	2.3	1.0	.9	.8	.9
IOWA	3.5	3.5	2.0	2.1	3.1	3.2	1.3	1.1	1.3	1.5
Des Moines	4.0	4.5	2.8	3.3	2.9	3.4	1.4	1.6	.7	1.1
KANSAS	3.6	4.3	2.6	3.1	3.1	3.0	1.5	1.4	1.0	1.1
Topeka	4.9	2.0	4.4	1.5	2.5	1.4	1.4	.9	.6	.2
Wichita	2.8	4.3	2.2	3.1	2.5	2.2	1.6	1.4	.4	.3
KENTUCKY	3.7	3.4	2.3	2.0	4.2	3.2	1.1	.9	2.5	1.7
Louisville	3.1	3.2	1.9	1.6	2.4	2.5	.9	.7	.9	1.2
LOUISIANA	3.5	3.5	1.9	1.8	3.0	2.7	1.1	.8	1.4	1.3
New Orleans <sup>6</sup>	5.1	5.8	2.5	2.5	3.8	4.0	1.4	1.0	2.0	2.4

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)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964
MAINE.....	5.3	4.9	3.3	2.4	4.6	5.4	2.1	1.7	1.7	3.0
Portland.....	2.5	2.0	2.0	1.6	3.0	3.4	1.1	1.2	1.5	1.6
MARYLAND.....	4.3	3.8	2.3	1.7	3.8	4.1	1.2	1.1	2.0	2.4
Baltimore.....	4.1	3.6	2.1	1.4	3.8	4.1	1.1	.9	2.1	2.6
MASSACHUSETTS.....	3.2	3.1	2.0	2.0	3.5	3.5	1.4	1.3	1.4	1.5
Boston.....	2.9	2.8	1.8	1.7	3.5	3.5	1.3	1.2	1.5	1.5
Fall River.....	3.4	3.6	2.0	2.0	6.1	5.2	1.5	1.6	3.9	3.0
New Bedford.....	4.1	4.2	2.4	2.6	3.6	4.3	1.6	1.5	1.3	2.0
Springfield-Chicopee-Holyoke.....	2.7	2.6	1.6	1.8	2.4	2.6	.9	.9	1.0	1.1
Worcester.....	3.2	3.1	2.1	2.2	3.0	2.7	1.4	1.3	1.1	.9
MICHIGAN.....	3.5	3.2	1.6	1.5	3.1	2.9	.7	.6	.9	1.0
Detroit.....	3.6	2.9	1.6	1.3	3.0	2.7	.6	.5	.8	1.0
Grand Rapids.....	4.0	4.6	1.4	1.6	3.4	4.4	.9	.8	1.1	2.1
Lansing.....	2.6	4.1	1.2	2.5	2.4	3.0	.4	.5	.4	.8
Muskegon-Muskegon Heights.....	3.0	2.9	1.3	1.4	7.2	3.6	1.3	1.1	5.1	1.8
Saginaw.....	4.1	4.5	1.5	1.7	3.5	3.7	.6	.6	.1	.2
MINNESOTA.....	4.3	4.3	2.2	1.8	3.5	3.7	1.2	1.0	1.4	1.8
Duluth-Superior.....	5.5	5.6	2.8	1.9	3.4	3.1	1.6	1.4	1.0	.9
Minneapolis-St. Paul.....	4.3	4.6	2.2	1.9	3.6	3.9	1.2	1.0	1.5	1.9
MISSISSIPPI.....	4.0	4.6	3.0	3.2	4.4	4.1	2.1	1.9	1.6	1.5
Jackson.....	4.3	6.2	4.0	4.2	5.3	4.4	2.8	1.8	1.9	1.9
MISSOURI.....	3.6	3.5	2.4	2.0	3.1	3.2	1.3	1.2	1.2	1.4
Kansas City.....	4.2	3.8	2.9	2.7	3.5	3.2	1.4	1.3	1.4	1.3
St. Louis.....	3.0	3.2	1.9	1.8	2.8	2.7	1.1	1.0	1.1	1.1
MONTANA <sup>4</sup> .....	6.0	4.0	3.9	2.8	4.9	3.4	2.0	1.7	2.3	.5
NEBRASKA.....	4.8	3.5	3.1	2.3	3.8	3.7	1.9	1.6	1.2	1.7
NEVADA.....	6.2	5.3	5.8	4.6	5.6	4.7	2.2	2.3	2.5	1.2
NEW HAMPSHIRE.....	4.2	3.4	2.6	2.4	4.6	4.0	2.1	1.8	1.5	1.5
NEW MEXICO.....	4.2	4.6	3.3	4.0	3.8	3.9	2.2	1.8	.9	1.1
Albuquerque.....	3.6	4.0	2.5	3.5	2.6	3.9	1.8	1.6	.3	1.3
NEW YORK.....	3.8	3.6	2.3	2.2	4.2	4.0	1.1	1.0	2.4	2.3
Albany-Schenectady-Troy.....	2.3	2.4	1.1	1.1	2.5	2.5	.6	.5	1.0	1.0
Binghamton.....	2.2	2.0	1.3	1.4	1.8	1.8	1.0	1.0	.2	.3
Buffalo.....	2.8	3.1	1.3	1.2	2.1	2.0	.6	.5	1.1	1.1
Elmira.....	3.4	2.6	1.8	1.2	2.9	3.4	1.0	.8	1.4	2.0
Nassau and Suffolk Counties.....	2.8	2.7	2.3	2.2	4.2	3.4	1.2	1.0	2.5	1.9
New York City.....	4.9	4.3	3.1	2.9	6.0	5.8	1.2	1.1	3.8	3.8
Rochester.....	2.2	2.1	1.7	1.6	1.8	1.6	.9	.8	.4	.5
Syracuse.....	2.6	2.5	1.4	1.1	1.9	2.2	.8	.9	.7	.8
Utica-Rome.....	2.6	3.2	1.4	1.4	3.1	3.8	.7	.7	1.9	2.7
Westchester County.....	2.8	3.5	2.0	2.3	3.8	3.9	1.1	1.1	2.0	1.9
NORTH CAROLINA.....	3.4	3.1	2.7	2.4	3.3	3.2	2.1	1.9	.6	.8
Charlotte.....	3.0	3.9	2.6	3.5	3.1	3.0	2.1	2.0	.4	.5
Greensboro-High Point.....	3.7	3.1	3.3	2.7	3.6	3.5	2.5	2.3	.4	.6
NORTH DAKOTA.....	5.9	2.7	3.9	1.6	2.8	3.0	1.6	.9	.5	1.6
Fargo-Moorhead.....	3.7	3.4	2.1	2.3	2.3	2.2	1.3	.9	.6	.9

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)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964
OHIO.....	2.9	3.0	1.7	1.6	2.4	2.6	0.8	0.7	1.0	1.2
Akron.....	2.0	2.2	1.2	1.4	2.2	1.9	.6	.5	1.1	1.0
Canton.....	3.7	3.5	1.4	1.4	2.5	3.1	.8	.7	1.0	1.4
Cincinnati.....	2.6	2.7	1.6	1.4	2.6	2.7	.8	.7	1.2	1.5
Cleveland.....	2.9	2.9	1.9	1.7	2.4	2.6	.9	.9	.8	1.1
Columbus.....	2.8	2.7	2.1	1.7	2.6	3.6	.9	.8	1.0	2.2
Dayton.....	2.9	2.1	1.9	1.4	2.4	1.8	.9	.7	.9	.5
Toledo.....	2.5	3.1	1.1	1.4	1.9	2.6	.5	.6	.8	1.3
Youngstown-Warren.....	3.3	3.2	1.1	1.0	1.5	2.4	.6	.4	.4	1.5
OKLAHOMA <sup>7</sup> .....	4.6	3.9	3.6	3.0	4.2	3.6	1.9	1.7	1.5	1.3
Okahoma City.....	4.3	3.3	3.5	2.6	3.5	3.9	2.1	2.2	1.0	1.1
Tulsa <sup>7</sup> .....	5.2	4.6	4.7	4.4	4.0	3.2	2.0	1.6	1.1	.9
OREGON <sup>1</sup> .....	6.6	5.6	5.2	4.4	4.8	5.0	2.6	2.3	1.4	1.8
Portland <sup>1</sup> .....	5.6	4.7	4.2	3.7	4.6	3.6	1.8	1.4	2.1	1.4
PENNSYLVANIA:										
Allentown-Bethlehem-Easton.....	3.2	2.9	1.5	.8	2.3	2.4	1.0	.9	.9	1.1
Erie.....	3.0	3.5	1.8	1.6	2.6	2.4	.7	.6	1.4	1.2
Lancaster.....	2.9	2.6	2.0	1.7	2.5	2.3	1.4	1.2	.8	.6
Philadelphia.....	2.8	2.7	1.6	1.4	2.6	2.7	.8	.7	1.3	1.5
Pittsburgh.....	2.6	2.7	1.1	.9	1.8	1.8	.3	.3	.9	1.0
Reading.....	3.2	4.0	1.7	1.9	2.9	4.2	1.1	1.1	1.3	2.6
Scranton.....	4.2	4.2	2.1	1.5	4.2	4.3	.9	1.3	2.9	2.5
Wilkes-Barre-Hazleton.....	3.9	3.3	2.4	2.2	3.6	3.2	1.5	1.3	1.6	1.5
York.....	2.5	2.7	1.9	1.6	3.2	3.1	1.3	1.1	1.4	1.5
RHODE ISLAND.....	5.1	4.9	2.8	2.7	5.1	5.0	2.0	1.7	2.2	2.5
Providence-Pawtucket-Warwick.....	5.1	5.0	2.9	2.9	5.0	5.0	2.0	1.7	2.0	2.5
SOUTH CAROLINA <sup>8</sup> .....	3.8	3.6	2.9	2.6	3.5	3.2	2.2	1.9	.7	.7
Charleston.....	6.9	6.8	4.6	4.5	5.9	5.4	2.0	2.0	2.9	2.5
SOUTH DAKOTA.....	4.4	4.4	2.5	1.9	4.0	6.4	1.5	1.3	2.3	4.7
Sioux Falls.....	5.0	5.6	1.2	1.2	3.9	5.9	.6	1.4	3.2	4.4
TENNESSEE.....	3.3	3.2	2.4	2.0	2.6	2.8	1.2	1.1	.8	1.1
Chattanooga <sup>6</sup> .....	2.4	2.8	1.6	2.1	2.6	2.1	1.1	.8	.9	.7
Knoxville.....	1.7	2.0	1.2	1.3	1.4	1.3	.7	.7	.4	.4
Memphis.....	5.0	4.6	4.0	3.4	4.0	3.9	1.6	1.6	1.2	1.2
Nashville.....	2.8	2.9	2.1	2.1	2.5	2.7	1.5	1.4	.6	.9
TEXAS <sup>9</sup> .....	3.6	3.4	2.9	2.6	2.8	2.9	1.7	1.5	.5	.8
Dallas <sup>9</sup> .....	3.7	3.5	3.3	3.0	3.4	3.8	2.1	1.9	.6	1.3
Fort Worth <sup>9</sup> .....	4.2	4.5	3.3	3.2	3.4	2.7	2.4	1.7	.3	.6
Houston <sup>9</sup> .....	2.9	3.2	2.6	2.5	2.4	2.7	1.6	1.3	.2	.7
San Antonio <sup>9</sup> .....	3.5	2.7	3.0	2.2	3.0	2.5	1.6	1.4	.9	.6
UTAH <sup>4</sup> .....	4.1	4.1	2.7	2.3	3.9	3.5	1.6	1.3	1.7	1.5
Salt Lake City <sup>4</sup> .....	3.9	3.1	2.8	2.5	3.5	3.5	2.0	1.5	.8	1.4
VERMONT.....	3.5	3.6	2.4	2.5	2.4	2.8	1.4	1.2	.5	1.1
Burlington.....	3.9	3.2	1.9	1.7	1.9	3.6	1.1	.9	.3	2.5
Springfield.....	2.1	2.7	1.8	2.3	1.5	1.3	1.0	.7	.2	.2
VIRGINIA.....	3.6	3.6	2.7	2.8	3.5	2.9	1.8	1.6	1.1	.7
Norfolk-Portsmouth.....	6.1	7.3	4.6	5.3	4.6	2.8	1.6	1.1	2.2	1.1
Richmond.....	3.2	3.2	2.4	2.5	3.7	3.0	1.6	1.6	1.3	.8
Roanoke.....	3.1	2.9	2.4	2.0	2.6	2.7	1.6	1.4	.4	.5
WASHINGTON <sup>10</sup> .....	4.7	4.2	3.1	3.0	4.3	4.3	1.7	1.7	1.8	2.0
Seattle-Everett <sup>10</sup> .....	3.6	3.7	2.2	2.5	3.9	4.2	1.7	1.6	1.6	2.0
Spokane <sup>10</sup> .....	5.9	6.0	3.7	4.0	4.2	4.5	1.2	1.2	2.0	2.4
Tacoma <sup>10</sup> .....	3.7	4.3	2.9	3.3	3.1	3.9	1.1	1.2	1.4	2.1

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)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964	Apr. 1964	Mar. 1964
WEST VIRGINIA.....	2.9	2.6	1.5	1.2	2.2	2.4	0.7	0.7	1.0	1.1
Charleston.....	1.0	.7	.5	.5	1.0	1.5	.3	.4	.4	.8
Huntington-Ashland.....	2.9	3.5	1.7	2.0	1.9	3.4	.5	.8	1.1	2.2
Wheeling.....	2.5	3.8	1.2	1.1	2.0	2.4	.6	.5	.4	.8
WISCONSIN.....	3.2	3.3	2.1	1.9	2.8	2.7	1.2	1.1	1.0	1.0
Green Bay.....	2.0	1.7	1.2	.8	1.6	1.4	.6	.5	.8	.7
Kenosha.....	1.9	2.6	.5	.7	2.9	2.2	.6	.5	2.0	1.4
La Crosse.....	5.4	3.4	2.5	1.6	2.8	4.4	.9	.9	1.2	2.6
Madison.....	4.2	3.8	2.2	1.3	2.5	4.2	1.4	1.3	.7	2.3
Milwaukee.....	2.8	2.9	1.9	1.9	2.3	2.3	1.1	1.0	.6	.7
Racine.....	3.4	5.2	2.6	4.0	3.7	3.5	1.6	1.6	1.1	.7
WYOMING <sup>4</sup> .....	5.2	5.2	4.6	3.0	4.7	3.0	2.4	1.4	1.5	1.0

<sup>1</sup>Excludes canning and preserving.

<sup>2</sup>Excludes agricultural chemicals and miscellaneous manufacturing.

<sup>3</sup>Excludes canned fruits, vegetables, preserves, jams, and jellies.

<sup>4</sup>Excludes canning and preserving, and sugar.

<sup>5</sup>Excludes canning and preserving, and newspapers.

<sup>6</sup>Excludes printing and publishing.

<sup>7</sup>Excludes new-hire rate for transportation equipment.

<sup>8</sup>Excludes tobacco stemming and redrying.

<sup>9</sup>Excludes canning and preserving, sugar, and tobacco.

<sup>10</sup>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 enumerations

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 labor force 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  
(In thousands)

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

Size of estimate	(In thousands)					
	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

Standard error of monthly level	(In thousands)	
	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 1962<sup>1</sup>

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) <sup>2</sup> . . . . .	2,294,000	100
State and local . . . . .	3,414,000	50

<sup>1</sup>Since 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.

<sup>2</sup>State 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 <sup>1</sup>	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

<sup>1</sup>Excludes 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)
<b>Monthly Data</b>		
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.
<b>Annual Average Data</b>		
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.

# UNITED STATES DEPARTMENT OF LABOR

## Bureau of Labor Statistics

### Regional Offices

U. S. DEPARTMENT OF LABOR  
BLS Regional Director  
18 Oliver Street  
Boston, Mass. 02110

U. S. DEPARTMENT OF LABOR  
BLS Regional Director  
341 Ninth Avenue  
New York, N. Y. 10001

U. S. DEPARTMENT OF LABOR  
BLS Regional Director  
1371 Peachtree Street, N. E.  
Atlanta, Ga. 30309

U. S. DEPARTMENT OF LABOR  
BLS Regional Director  
1365 Ontario Street  
Cleveland, Ohio 44114

U. S. DEPARTMENT OF LABOR  
BLS Regional Director  
219 South Dearborn Street  
Chicago, Ill. 60603

U. S. DEPARTMENT OF LABOR  
BLS Regional Director  
450 Golden Gate Avenue, Box 36017  
San Francisco, Calif. 94102

### COOPERATING STATE AGENCIES

#### Employment and Labor Turnover Statistics Programs

ALABAMA -Department of Industrial Relations, Montgomery 36104  
ALASKA -Employment Security Division, Department of Labor, Juneau 99801  
ARIZONA -Unemployment Compensation Division, Employment Security Commission, Phoenix 85005  
ARKANSAS -Employment Security Division, Department of Labor, Little Rock 72203  
CALIFORNIA -Division of Labor Statistics and Research, Department of Industrial Relations,  
San Francisco 94101 (Employment). Research and Statistics, Department of Employment,  
Sacramento 95814 (Turnover).  
COLORADO -U. S. Bureau of Labor Statistics, Denver 80202 (Employment). Department of Employment,  
Denver 80203 (Turnover).  
CONNECTICUT -Employment Security Division, Department of Labor, Wethersfield 06109  
DELAWARE -Employment Security Commission, Wilmington 19801  
DISTRICT OF COLUMBIA -U. S. Employment Service for D. C., Washington 20212  
FLORIDA -Industrial Commission, Tallahassee 32304  
GEORGIA -Employment Security Agency, Department of Labor, Atlanta 30303  
HAWAII -Department of Labor and Industrial Relations, Honolulu 96813  
IDAHO -Employment Security Agency, Boise 83701  
ILLINOIS -Employment Security Administrator,  
Department of Labor, Chicago 60606  
INDIANA -Employment Security Division, Indianapolis 46204  
IOWA -Employment Security Commission, Des Moines 50319  
KANSAS -Employment Security Division, Department of Labor, Topeka 66603  
KENTUCKY -Bureau of Employment Security, Department of Economic Security, Frankfort 40601  
LOUISIANA -Division of Employment Security, Department of Labor, Baton Rouge 70804  
MAINE -Employment Security Commission, Augusta 04330  
MARYLAND -Department of Employment Security, Baltimore 21201  
MASSACHUSETTS -Division of Statistics, Department of Labor and Industries, Boston 02108 (Employment).  
Research and Statistics, Division of Employment Security, Boston 02215 (Turnover).  
MICHIGAN -Employment Security Commission, Detroit 48202  
MINNESOTA -Department of Employment Security, St. Paul 55101  
MISSISSIPPI -Employment Security Commission, Jackson 39205  
MISSOURI -Division of Employment Security, Jefferson City 65102  
MONTANA -Unemployment Compensation Commission, Helena 59601  
NEBRASKA -Division of Employment, Department of Labor, Lincoln 68501  
NEVADA -Employment Security Department, Carson City 89701  
NEW HAMPSHIRE -Department of Employment Security, Concord 03301  
NEW JERSEY -Department of Labor and Industry: Bureau of Statistics and Records (Employment);  
Division of Employment Security (Turnover), Trenton 08625  
NEW MEXICO -Employment Security Commission, Albuquerque 87103  
NEW YORK -Research and Statistics Office, Division of Employment, State Department of Labor,  
370 Seventh Avenue, New York 10001  
NORTH CAROLINA -Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of  
Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).  
NORTH DAKOTA -Unemployment Compensation Division, Workmen's Compensation Bureau, Bismarck 58502  
OHIO -Division of Research and Statistics, Bureau of Unemployment Compensation, Columbus 43216  
OKLAHOMA -Employment Security Commission, Oklahoma City 73105  
OREGON -Department of Employment, Salem 97310  
PENNSYLVANIA -Bureau of Employment Security, Department of Labor and Industry, Harrisburg 17121  
RHODE ISLAND -Division of Statistics and Census, Department of Labor, Providence 02903 (Employment).  
Department of Employment Security, Providence 02903 (Turnover).  
SOUTH CAROLINA -Employment Security Commission, Columbia 29202  
SOUTH DAKOTA -Employment Security Department, Aberdeen 57401  
TENNESSEE -Department of Employment Security, Nashville 37203  
TEXAS -Employment Commission, Austin 78701  
UTAH -Department of Employment Security, Industrial Commission, Salt Lake City 84110  
VERMONT -Department of Employment Security, Montpelier 05602  
VIRGINIA -Division of Research and Statistics, Department of Labor and Industry,  
Richmond 23214 (Employment). Employment Commission, Richmond 23211 (Turnover).  
WASHINGTON -Employment Security Department, Olympia 98501  
WEST VIRGINIA -Department of Employment Security, Charleston 25305  
WISCONSIN -Unemployment Compensation Department, Industrial Commission, Madison 53701  
WYOMING -Employment Security Commission, Casper 82602