



EMPLOYMENT and EARNINGS

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1964 EDITION OF STATE AND AREA
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111 FOR DETAILS.

NEW LABOR TURNOVER SERIES

Manufacturing labor turnover
rates for Harrisburg, Pennsylvania
are shown for the first time in
Table D-5.

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Cooperating State AgenciesInside back cover

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.

Report Traces Industry Developments in States and Areas

The Bureau of Labor Statistics has just announced the availability of the 1964 edition of its comprehensive State and area data book. The latest publication, Employment and Earnings Statistics for States and Areas, 1939-63, BLS Bulletin 1370-1, is the second work of this type to be released by the Bureau and replaces BLS Bulletin 1370, issued in the summer of 1963.

This volume brings together all data on employment and hours and earnings of production workers in the States and 151 metropolitan areas that are regularly published by State agencies cooperating with the BLS in the Current Employment Statistics (CES) Program. Annual averages are shown from the earliest date of availability for over 6,500 employment series by industry and more than 3,100 series on hours and earnings by industry. With a few exceptions, all series have been adjusted to March 1963 benchmark levels.

The bulletin reveals the changing geography of American industry, the economic profile of States and areas, and the situation of the nonfarm work force as indicated by earnings and hours of work. These data provide basic information for studies on variations in employment and earnings stemming from technological change, the development of new products, demands for services in areas of rapidly expanding population, and comparisons of States or areas with regard to general economic expansion or contraction. The book will be especially useful to those concerned with community growth, plant location, collective bargaining, and job opportunities.

A technical note describing the scope, concepts, and methodology of the CES Program, a section on area definitions, and a special group of 12 summary tables developed to facilitate interstate comparison of historical employment and hours and earnings complement the main body of statistics.

Key figures on each State and area are summarized regularly in Employment and Earnings. (See tables B-7 and B-8 for employment and table C-8 for hours and earnings.) Monthly data, comparable with the annual averages in the historical volume, are published currently by the cooperating State agencies. (See inside back cover of Employment and Earnings for addresses.)

BLS Bulletin 1370-1 is available at \$3.75 per copy, from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402, or through the BLS regional offices located in Atlanta, Boston, Chicago, Cleveland, New York, and San Francisco. Instructions for ordering are provided on page 14-E of Employment and Earnings.

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

Year and month	Total noninstitutional population	(In thousands)									Not in labor force
		Total labor force		Civilian labor force							
		Number	Percent of population	Total	Employed ¹				Unemployed ¹		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
								Not seasonally adjusted	Seasonally adjusted		
1929.....	(2)	49,440	(2)	49,180	47,630	10,450	37,180	1,550	3.2	-	(2)
1930.....	(2)	50,080	(2)	49,820	45,480	10,340	35,140	4,340	8.7	-	(2)
1931.....	(2)	50,680	(2)	50,420	42,400	10,290	32,110	8,200	15.9	-	(2)
1932.....	(2)	51,250	(2)	51,000	38,940	10,170	28,770	12,060	23.6	-	(2)
1933.....	(2)	51,840	(2)	51,590	38,760	10,090	28,670	12,830	24.9	-	(2)
1934.....	(2)	52,490	(2)	52,230	40,890	9,900	30,990	11,340	21.7	-	(2)
1935.....	(2)	53,140	(2)	52,870	42,260	10,110	32,150	10,610	20.1	-	(2)
1936.....	(2)	53,740	(2)	53,440	44,410	10,000	34,410	9,030	16.9	-	(2)
1937.....	(2)	54,320	(2)	54,000	46,300	9,820	36,480	7,700	14.3	-	(2)
1938.....	(2)	54,950	(2)	54,610	44,220	9,690	34,530	10,390	19.0	-	(2)
1939.....	(2)	55,600	(2)	55,230	45,750	9,610	36,140	9,480	17.2	-	(2)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
1948.....	108,632	62,898	57.9	61,442	59,117	7,960	51,156	2,325	3.8	-	45,733
1949.....	109,773	63,721	58.0	62,105	58,423	8,017	50,406	3,682	5.9	-	46,051
1950.....	110,929	64,749	58.4	63,099	59,748	7,497	52,251	3,351	5.3	-	46,181
1951.....	112,075	65,983	58.9	62,884	60,784	7,048	53,736	2,099	3.3	-	46,092
1952.....	113,270	66,560	58.8	62,966	61,035	6,792	54,243	1,932	3.1	-	46,710
1953 ³	115,094	67,362	58.5	63,815	61,945	6,555	55,390	1,870	2.9	-	47,732
1954.....	116,219	67,818	58.4	64,468	60,890	6,495	54,395	3,578	5.6	-	48,401
1955.....	117,388	68,896	58.7	65,848	62,944	6,718	56,225	2,904	4.4	-	48,492
1956.....	118,734	70,387	59.3	67,530	64,708	6,572	58,135	2,822	4.2	-	48,348
1957.....	120,445	70,744	58.7	67,946	65,011	6,222	58,789	2,936	4.3	-	49,699
1958.....	121,950	71,284	58.5	68,647	63,966	5,844	58,122	4,681	6.8	-	50,666
1959.....	123,366	71,946	58.3	69,394	65,581	5,836	59,745	3,813	5.5	-	51,420
1960 ⁴	125,368	73,126	58.3	70,612	66,681	5,723	60,958	3,931	5.6	-	52,242
1961.....	127,852	74,175	58.0	71,603	66,796	5,463	61,333	4,806	6.7	-	53,677
1962 ⁵	130,081	74,681	57.4	72,854	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: 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
July.....	134,216	78,958	58.8	76,218	72,405	5,819	66,586	3,813	5.0	4.9	55,258
August.....	134,400	78,509	58.4	75,758	72,104	5,400	66,704	3,654	4.8	5.1	55,891

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

²Not available.

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

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

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

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

Sex, year, and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed ¹			Unemployed ¹			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1940.....	50,080	42,020	83.9	41,480	35,550	8,450	27,100	5,930	14.3	-	8,060
1944.....	51,980	46,670	89.8	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	-	8,450
1951.....	54,996	46,674	84.9	43,612	42,362	5,791	36,571	1,250	2.9	-	8,322
1952.....	55,503	47,001	84.7	43,454	42,237	5,623	36,614	1,217	2.8	-	8,502
1953 ²	56,534	47,692	84.4	44,194	42,966	5,496	37,470	1,228	2.8	-	8,840
1954.....	57,016	47,847	83.9	44,537	42,165	5,429	36,736	2,372	5.3	-	9,169
1955.....	57,484	48,054	83.6	45,041	43,152	5,479	37,673	1,889	4.2	-	9,430
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 ³	61,000	49,507	81.2	46,845	44,485	4,678	39,807	2,541	5.4	-	11,493
1961.....	62,147	49,918	80.3	47,378	44,318	4,508	39,811	3,060	6.5	-	12,229
1962 ⁴	63,234	50,175	79.3	47,380	44,892	4,266	40,626	2,488	5.3	-	13,059
1963.....	64,163	50,573	78.8	47,867	45,330	4,021	41,309	2,537	5.3	-	13,590
1963: 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
July.....	65,097	53,057	81.5	50,347	48,164	4,593	43,571	2,183	4.3	4.5	12,041
August.....	65,180	52,584	80.7	49,864	47,791	4,348	43,443	2,074	4.2	4.6	12,596
FEMALE											
1940.....	50,300	14,160	28.2	14,160	11,970	1,090	10,880	2,190	15.5	-	36,140
1944.....	52,650	19,370	36.8	19,170	18,850	1,930	16,920	320	1.7	-	33,280
1947.....	54,523	16,915	31.0	16,896	16,349	1,314	15,036	547	3.2	-	37,608
1948.....	55,118	17,599	31.9	17,583	16,848	1,338	15,510	735	4.1	-	37,520
1949.....	55,745	18,048	32.4	18,030	16,947	1,386	15,561	1,083	6.0	-	37,697
1950.....	56,404	18,680	33.1	18,657	17,584	1,226	16,358	1,073	5.8	-	37,724
1951.....	57,078	19,309	33.8	19,272	18,421	1,257	17,164	851	4.4	-	37,770
1952.....	57,766	19,558	33.9	19,513	18,798	1,170	17,628	715	3.7	-	38,208
1953 ²	58,561	19,668	33.6	19,621	18,979	1,061	17,918	642	3.3	-	38,893
1954.....	59,203	19,971	33.7	19,931	18,724	1,067	17,657	1,207	6.1	-	39,232
1955.....	59,904	20,842	34.8	20,806	19,790	1,239	18,551	1,016	4.9	-	39,062
1956.....	60,690	21,808	35.9	21,774	20,707	1,306	19,401	1,067	4.9	-	38,883
1957.....	61,632	22,097	35.9	22,064	21,021	1,184	19,837	1,043	4.7	-	39,535
1958.....	62,472	22,482	36.0	22,451	20,924	1,042	19,882	1,526	6.8	-	39,990
1959.....	63,265	22,865	36.1	22,832	21,492	1,087	20,405	1,340	5.9	-	40,401
1960 ³	64,368	23,619	36.7	23,587	22,196	1,045	21,151	1,390	5.9	-	40,749
1961.....	65,705	24,257	36.9	24,225	22,478	955	21,523	1,747	7.2	-	41,448
1962 ⁴	66,848	24,507	36.7	24,474	22,954	924	22,031	1,519	6.2	-	42,341
1963.....	67,962	25,141	37.0	25,109	23,479	925	22,554	1,629	6.5	-	42,822
1963: 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	43,166
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
July.....	69,119	25,901	37.5	25,871	24,241	1,226	23,015	1,630	6.3	5.7	43,218
August.....	69,220	25,925	37.5	25,894	24,313	1,052	23,261	1,581	6.1	6.1	43,295

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

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

Employment status	(In thousands)								
	Total			Male			Female		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	134,400	134,216	132,345	65,180	65,097	64,259	69,220	69,119	68,087
Total labor force	78,509	78,958	77,167	52,584	53,057	52,060	25,925	25,901	25,108
Civilian labor force	75,758	76,218	74,418	49,864	50,347	49,342	25,894	25,871	25,076
Employed	72,104	72,405	70,561	47,791	48,164	47,118	24,313	24,261	23,443
Agriculture	5,400	5,819	5,496	4,348	4,593	4,385	1,052	1,226	1,111
Nonagricultural industries	66,704	66,586	65,065	43,443	43,571	42,733	23,261	23,015	22,332
Unemployed	3,654	3,813	3,857	2,074	2,183	2,224	1,581	1,630	1,633
Looking for full-time work	3,036	3,173	3,282	1,756	1,844	1,936	1,280	1,328	1,346
Looking for part-time work	618	639	575	318	339	288	300	300	287
Not in labor force	55,891	55,258	55,178	12,596	12,041	12,199	43,295	43,218	42,979

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

Age and sex	Thousands of persons			Unemployment rate			Percent distribution		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	3,654	3,813	3,857	4.8	5.0	5.2	100.0	100.0	100.0
Male	2,074	2,183	2,224	4.2	4.3	4.5	56.7	57.2	57.7
14 to 19 years	573	673	540	11.7	12.7	11.2	15.7	17.6	14.0
14 and 15 years	89	104	67	8.8	8.9	6.0	2.4	2.7	1.7
16 to 19 years	483	569	474	12.4	13.7	12.8	13.2	14.9	12.3
20 to 24 years	368	381	384	7.2	7.4	8.0	10.1	10.0	10.0
25 to 34 years	281	278	373	2.8	2.8	3.8	7.7	7.3	9.7
35 to 44 years	254	262	310	2.3	2.3	2.8	7.0	6.9	8.0
45 to 54 years	276	304	301	2.8	3.1	3.1	7.6	8.0	7.8
55 to 64 years	232	212	221	3.4	3.2	3.3	6.4	5.6	5.7
65 years and over	90	74	95	4.2	3.4	4.3	2.5	1.9	2.5
Female	1,581	1,630	1,633	6.1	6.3	6.5	43.3	42.8	42.3
14 to 19 years	387	498	362	11.8	14.7	11.5	10.6	13.1	9.4
14 and 15 years	13	35	35	2.6	6.6	7.0	.4	.9	.9
16 to 19 years	374	464	327	13.6	16.2	12.4	10.2	12.2	8.5
20 to 24 years	287	272	285	8.7	8.6	9.5	7.9	7.1	7.4
25 to 34 years	280	243	316	6.9	6.1	7.8	7.7	6.4	8.2
35 to 44 years	269	258	286	5.0	4.7	5.2	7.4	6.8	7.4
45 to 54 years	216	217	247	3.9	3.9	4.7	5.9	5.7	6.4
55 to 64 years	117	112	116	3.5	3.3	3.6	3.2	2.9	3.0
65 years and over	24	30	20	2.6	3.1	2.2	.7	.8	.5

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

Industry	Unemployment rate			Percent distribution		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	4.8	5.0	5.2	100.0	100.0	100.0
Experienced wage and salary workers	4.5	4.5	5.0	80.8	76.3	82.6
Agriculture	6.5	6.5	6.7	3.7	3.9	3.8
Nonagricultural industries	4.5	4.4	5.0	77.1	72.4	78.8
Mining, forestry, fisheries	6.2	6.9	5.3	1.1	1.3	.9
Construction	6.7	6.6	6.9	8.3	7.7	7.7
Manufacturing	4.4	4.8	5.2	23.7	24.3	26.3
Durable goods	4.7	4.6	5.4	14.0	13.1	15.3
Nondurable goods	4.1	5.0	4.9	9.7	11.2	11.0
Transportation and public utilities	3.6	2.6	4.1	4.6	3.1	4.8
Wholesale and retail trade	4.9	4.9	5.7	16.1	15.3	16.9
Finance, insurance, and real estate	2.9	2.6	3.1	2.4	2.0	2.4
Service industries	4.7	4.4	4.7	18.9	17.0	17.5
Public administration	1.9	1.8	2.4	2.0	1.8	2.3
Self-employed and unpaid family workers	.6	.6	.8	1.7	1.6	2.2
No previous work experience	-	-	-	17.5	22.1	15.2
14 to 19 years	-	-	-	13.7	17.8	11.8
20 years and over	-	-	-	3.8	4.4	3.4

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

Occupation	Unemployment rate			Percent distribution		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	4.8	5.0	5.2	100.0	100.0	100.0
White-collar workers	2.6	2.3	3.0	22.5	18.9	24.0
Professional and technical	2.5	1.8	2.3	5.7	3.7	4.7
Managers, officials, and proprietors	1.5	1.2	1.5	3.0	2.4	2.9
Clerical workers	3.2	3.3	4.2	9.7	9.7	11.9
Sales workers	3.2	2.5	3.8	4.1	3.1	4.5
Blue-collar workers	5.3	5.5	5.9	40.9	40.7	42.8
Craftsmen and foremen	3.1	3.0	3.5	8.3	7.6	8.7
Operatives	5.8	6.3	6.7	22.5	23.2	24.0
Nonfarm laborers	8.4	8.3	8.8	10.1	9.9	10.1
Service workers	5.7	5.8	5.8	15.7	15.2	14.8
Private household workers	5.4	5.2	5.2	3.6	3.3	3.3
Other service workers	5.8	6.0	6.0	12.2	11.9	11.5
Farm workers	2.5	2.2	2.3	3.5	3.1	3.2
Farmers and farm managers	.4	.2	.3	.3	.1	.2
Farm laborers and foremen	4.3	3.7	4.0	3.2	3.0	3.0
No previous work experience	-	-	-	17.5	22.1	15.2

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

Characteristics	Thousands of persons			Unemployment rate			Percent distribution		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
COLOR									
Total	3,654	3,813	3,857	4.8	5.0	5.2	100.0	100.0	100.0
White, total	2,791	2,880	2,975	4.1	4.3	4.5	76.4	75.5	77.1
Male	1,620	1,686	1,749	3.6	3.7	3.9	44.3	44.2	45.3
Female	1,170	1,194	1,226	5.2	5.3	5.7	32.0	31.3	31.8
Nonwhite, total	863	933	881	10.2	10.9	10.5	23.6	24.5	22.9
Male	453	497	475	9.1	9.9	9.6	12.4	13.0	12.3
Female	410	436	407	11.8	12.5	12.0	11.2	11.4	10.6
MARITAL STATUS									
Total	3,654	3,813	3,857	4.8	5.0	5.2	100.0	100.0	100.0
Male	2,074	2,183	2,224	4.2	4.3	4.5	56.7	57.2	57.6
Married, wife present	843	879	986	2.3	2.4	2.7	23.1	23.1	25.6
Single	992	1,081	1,015	9.8	10.3	10.3	27.1	28.4	26.3
14 to 19 years	559	651	530	11.9	12.8	11.5	15.3	17.1	13.7
20 years and over	433	430	485	8.0	7.9	9.2	11.9	11.3	12.6
Other marital status	239	222	223	9.4	8.6	8.7	6.5	5.8	5.8
Female	1,581	1,630	1,633	6.1	6.3	6.5	43.3	42.8	42.4
Married, husband present	711	659	802	5.1	4.8	6.1	19.5	17.3	20.8
Single	552	624	490	8.2	9.2	7.5	15.1	16.4	12.7
14 to 19 years	337	449	293	11.4	14.6	10.5	9.2	11.8	7.6
20 years and over	215	175	197	5.7	4.7	5.3	5.9	4.6	5.1
Other marital status	317	346	342	6.0	6.5	6.4	8.7	9.1	8.9
HOUSEHOLD RELATIONSHIP									
Total	3,654	3,813	3,857	4.8	5.0	5.2	100.0	100.0	100.0
Household head	1,265	1,285	1,395	2.8	2.8	3.1	34.6	33.7	36.1
Living with relatives	993	1,045	1,134	2.5	2.6	2.9	27.2	27.4	29.4
Not living with relatives	272	240	261	5.3	4.7	5.3	7.4	6.3	6.8
Wife of head	679	633	769	5.0	4.7	5.9	18.6	16.6	19.9
Other relative of head	1,611	1,816	1,604	10.2	11.1	10.4	44.1	47.6	41.6
Non-relative of head	98	79	91	7.3	5.9	5.9	2.7	2.1	2.4

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

Duration of unemployment	Thousands of persons			Percent distribution			Category	Thousands of persons			Percent distribution		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963		Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	3,654	3,813	3,857	100.0	100.0	100.0	Total	3,654	3,813	3,857	100.0	100.0	100.0
Less than 5 weeks	1,691	1,670	1,670	46.3	43.8	43.3	Persons on temporary layoff	127	127	189	3.5	3.3	4.9
5 to 14 weeks	1,174	1,286	1,237	32.1	33.7	32.1							
5 and 6 weeks	271	490	224	7.4	12.9	5.8							
7 to 10 weeks	591	580	582	16.2	15.2	15.1							
11 to 14 weeks	312	216	430	8.5	5.7	11.2	Persons scheduled to begin new jobs within 30 days.	220	148	191	6.0	3.9	5.0
15 weeks and over	790	857	949	21.6	22.5	24.6							
15 to 26 weeks	296	322	439	8.1	8.4	11.4							
27 weeks and over	494	535	510	13.5	14.0	13.2	All other unemployed ...	3,307	3,538	3,477	90.5	92.8	90.1
Average (mean) duration ...	13.1	13.3	13.9	-	-	-							

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		
	Aug. 1964	Aug. 1963	Aug. 1964	Aug. 1963	Aug. 1964	Aug. 1963	Aug. 1964	Aug. 1963	
INDUSTRY									
Total	21.6	24.6	100.0	100.0	13.5	13.2	100.0	100.0	100.0
Experienced wage and salary workers	24.1	26.2	90.0	88.1	14.8	14.2	88.6	88.5	85.6
Agriculture	14.8	19.2	2.5	3.0	10.4	8.9	2.8	2.5	2.7
Nonagricultural industries	24.5	26.6	87.5	85.1	15.1	14.4	85.8	85.9	82.9
Mining, forestry, fisheries	(1)	(1)	1.5	.9	(1)	(1)	2.0	1.6	.8
Construction	21.5	20.6	8.2	6.4	15.8	12.5	9.7	7.2	5.9
Manufacturing	29.8	30.3	32.7	32.3	18.6	16.4	32.7	32.5	25.8
Durable goods	31.1	31.0	20.2	19.3	19.5	17.5	20.3	20.2	14.4
Nondurable goods	28.0	29.0	12.5	13.0	17.2	14.9	12.4	12.3	11.4
Transportation and public utilities	26.6	25.1	5.7	5.0	20.1	15.0	6.9	5.5	6.1
Wholesale and retail trade	18.9	25.7	14.1	17.7	11.1	12.7	13.2	16.2	15.7
Finance, insurance, and real estate, and service industries	21.8	24.0	21.5	19.4	11.5	13.4	18.3	20.2	23.5
Public administration	(1)	(1)	3.7	3.5	(1)	(1)	3.0	2.7	5.0
Self-employed and unpaid family workers	(1)	(1)	1.0	2.6	(1)	(1)	1.8	2.9	13.5
No previous work experience	11.1	15.0	9.0	9.3	7.4	7.5	9.5	8.6	.8
OCCUPATION									
Total	21.6	24.6	100.0	100.0	13.5	13.2	100.0	100.0	100.0
White-collar workers	23.3	26.5	24.2	25.9	13.5	13.7	22.5	24.9	41.7
Professional and technical	18.7	20.8	4.9	4.0	10.0	9.8	4.3	3.5	10.8
Managers, officials, and proprietors	28.2	38.1	3.9	4.5	14.5	17.7	3.2	3.9	9.9
Clerical workers	26.2	26.6	11.7	12.8	15.8	14.6	11.3	13.1	14.8
Sales workers	19.5	24.7	3.7	4.5	12.1	12.6	3.6	4.3	6.2
Blue-collar workers	25.8	27.4	48.7	47.6	17.6	15.1	53.2	48.7	37.3
Craftsmen and foremen	29.8	29.7	11.4	10.5	19.5	16.6	11.9	11.0	12.8
Operatives	24.3	28.2	25.3	27.5	16.1	13.9	26.9	25.2	18.7
Nonfarm laborers	26.1	23.5	12.1	9.6	19.3	16.5	14.4	12.5	5.8
Service workers	21.0	24.1	15.3	14.4	9.9	13.0	11.5	14.5	13.3
Private household workers	14.6	15.7	2.4	2.1	6.2	7.1	1.6	1.8	3.2
Other service workers	22.9	26.5	12.9	12.3	11.0	14.7	9.9	12.7	10.1
Farm workers	17.3	22.1	2.8	2.8	12.6	13.9	3.2	3.3	6.8
Farmers and farm managers	(1)	(1)	.6	.6	(1)	(1)	1.0	1.0	3.2
Farm laborers and foremen	14.5	18.3	2.1	2.2	9.4	10.4	2.2	2.3	3.6
No previous work experience	11.1	15.0	9.0	9.3	7.4	7.5	9.5	8.6	.8

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

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

Characteristics	Unemployed 15 weeks and over				Unemployed 27 weeks and over				Civilian labor force (percent distribution)
	Percent of unemployed in each group		Percent distribution		Percent of unemployed in each group		Percent distribution		
	Aug. 1964	Aug. 1963	Aug. 1964	Aug. 1963	Aug. 1964	Aug. 1963	Aug. 1964	Aug. 1963	
AGE									
Total	21.6	24.6	100.0	100.0	13.5	13.2	100.0	100.0	100.0
Male	24.3	25.9	63.9	60.6	15.9	15.1	66.5	65.8	65.8
14 to 19 years	8.2	12.4	6.0	7.1	5.2	4.8	6.1	5.1	6.5
20 to 24 years	17.7	19.0	8.2	7.7	10.9	9.4	8.1	7.1	6.7
25 to 44 years	27.5	27.4	18.6	19.7	15.2	16.7	16.4	22.4	27.8
45 years and over	41.0	40.2	31.1	26.1	29.6	25.8	35.9	31.2	24.8
Female	18.0	22.9	36.1	39.4	10.4	10.8	33.5	34.2	34.2
14 to 19 years	8.5	11.3	4.2	4.3	4.4	4.4	3.4	3.1	4.3
20 to 24 years	14.6	18.6	5.3	5.6	8.0	9.8	4.7	5.5	4.4
25 to 44 years	20.8	22.3	14.4	14.1	10.0	8.8	11.2	10.4	12.6
45 years and over	26.9	38.0	12.2	15.4	19.6	20.1	14.2	15.1	12.9
COLOR									
Total	21.6	24.6	100.0	100.0	13.5	13.2	100.0	100.0	100.0
White, total	21.2	23.5	75.0	73.7	13.4	12.3	75.9	72.0	88.8
Male	23.2	24.5	47.7	45.2	15.6	14.2	51.2	48.5	59.3
Female	18.5	22.0	27.4	28.5	10.4	9.8	24.7	23.5	29.6
Nonwhite, total	22.8	28.4	25.0	26.3	13.8	16.2	24.1	28.0	11.2
Male	28.3	30.9	16.2	15.5	16.8	18.3	15.4	17.0	6.6
Female	16.8	25.3	8.7	10.9	10.5	13.8	8.7	11.0	4.6
MARITAL STATUS									
Total	21.6	24.6	100.0	100.0	13.5	13.2	100.0	100.0	100.0
Male	24.3	25.9	63.9	60.6	15.9	15.1	66.5	65.8	65.8
Married, wife present	27.5	26.8	29.3	27.8	16.6	14.7	28.4	28.4	49.1
Single	17.1	20.5	21.5	21.9	10.8	10.8	21.7	21.6	13.3
14 to 19 years	8.1	12.5	5.7	7.0	5.2	4.9	5.9	5.1	6.2
20 years and over	28.9	29.3	15.8	15.0	18.0	17.3	15.8	16.5	7.1
Other marital status	43.3	46.2	13.0	10.9	34.0	35.9	16.4	15.7	3.4
Female	18.0	22.9	36.1	39.4	10.4	10.8	33.5	34.2	34.2
Married, husband present	18.7	22.3	16.8	18.9	11.0	10.7	15.8	16.9	18.3
Single	14.3	17.8	10.0	9.2	7.6	7.1	8.5	6.9	8.9
14 to 19 years	7.1	11.9	3.0	3.7	3.9	3.4	2.6	3.0	3.9
20 years and over	25.6	26.4	7.0	5.5	13.5	12.7	5.9	4.9	5.0
Other marital status	23.3	31.6	9.4	11.4	14.2	15.8	9.1	10.6	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	Aug. 1964	July 1964		Looking for full- time work	Looking for part- time work	Aug. 1964	July 1964
	Aug. 1964	Aug. 1964	Aug. 1964	July 1964		Aug. 1964	Aug. 1964	Aug. 1964	July 1964
Total	100.0	100.0	16.9	16.8	Total	100.0	100.0	16.9	16.8
Male	57.8	51.5	15.3	15.5	White-collar workers	22.6	21.7	16.4	15.5
14 to 19 years	11.3	37.1	40.1	37.1	Professional and technical	5.6	6.1	18.4	19.7
Major activity:					Managers, officials, and proprietors	3.1	2.9	16.4	13.8
Going to school	.3	1.8	(1)	32.3	Clerical workers	9.7	10.0	17.4	16.5
All other	11.0	35.3	39.7	37.5	Sales workers	4.3	2.7	11.4	9.3
20 to 24 years	11.7	1.8	3.0	8.7	Blue-collar workers	45.1	20.6	8.6	5.6
25 to 54 years	25.7	4.8	3.7	2.7	Craftsmen and foremen	9.5	2.6	5.3	6.9
55 years and over	9.1	7.7	14.8	11.2	Operatives	24.7	11.9	9.0	5.8
Female	42.2	48.5	19.0	18.4	Nonfarm laborers	10.9	6.1	10.3	4.3
14 to 19 years	9.4	16.3	26.2	29.1	Service workers	15.5	16.7	18.2	18.0
Major activity:					Private household workers	3.3	4.8	23.1	27.2
Going to school	-	.2	(1)	87.5	Other service workers	12.2	11.9	16.6	15.5
All other	9.4	16.1	26.0	27.0	Farm workers	3.5	3.4	16.7	28.3
20 to 24 years	8.5	5.0	10.8	10.3	Farmers and farm managers	.3	-	-	(1)
25 to 54 years	20.9	20.8	16.9	13.6	Farm laborers and foremen	3.1	3.4	17.9	29.6
55 years and over	3.4	6.5	28.0	19.7	No previous work experience	13.3	37.5	36.5	35.9

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

HOUSEHOLD DATA

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

Age and sex	Thousands of persons			Labor force participation rate		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
	Total	78,509	78,958	77,167	58.4	58.8	58.3
Male	52,584	53,057	52,060	80.7	81.5	81.0
14 to 19 years	5,414	5,821	5,291	54.6	58.9	55.4
14 and 15 years	1,016	1,173	1,106	29.0	33.5	31.5
16 and 17 years	2,022	2,218	1,795	56.0	61.3	54.8
18 and 19 years	2,377	2,430	2,390	84.8	87.9	86.3
20 to 24 years	6,044	6,073	5,800	92.9	93.7	92.9
25 to 34 years	10,707	10,681	10,631	98.2	98.0	97.4
35 to 44 years	11,525	11,562	11,571	97.1	97.4	97.4
45 to 54 years	9,985	10,033	9,944	95.0	95.6	95.8
55 to 64 years	6,758	6,709	6,623	85.6	85.1	85.3
55 to 59 years	3,919	3,907	3,866	91.1	90.9	91.1
60 to 64 years	2,839	2,802	2,757	79.1	78.2	78.3
65 years and over	2,154	2,176	2,199	28.4	28.7	29.2
Female	25,925	25,901	25,108	37.5	37.5	36.9
14 to 19 years	3,278	3,401	3,155	33.8	35.2	33.7
14 and 15 years	514	532	504	15.1	15.6	14.8
16 and 17 years	1,191	1,338	1,066	33.8	37.9	33.3
18 and 19 years	1,573	1,531	1,586	56.8	56.0	58.0
20 to 24 years	3,321	3,164	3,005	50.8	48.5	47.8
25 to 34 years	4,090	3,977	4,056	36.4	35.4	36.1
35 to 44 years	5,435	5,535	5,457	43.6	44.3	43.7
45 to 54 years	5,573	5,503	5,312	50.3	49.8	48.7
55 to 64 years	3,321	3,350	3,221	38.7	39.1	38.3
55 to 59 years	2,060	2,091	1,983	44.7	45.4	43.9
60 to 64 years	1,261	1,259	1,238	31.7	31.7	31.7
65 years and over	907	970	901	9.4	10.1	9.6

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

Age and sex	(In thousands)					
	Male			Female		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
All industries	47,791	48,164	47,118	24,313	24,241	23,443
14 to 19 years	4,337	4,646	4,272	2,884	2,897	2,787
20 to 24 years	4,722	4,741	4,405	3,024	2,883	2,709
25 to 34 years	9,662	9,642	9,504	3,803	3,727	3,733
35 to 44 years	10,865	10,897	10,877	5,162	5,273	5,166
45 to 54 years	9,621	9,643	9,559	5,355	5,284	5,063
55 to 64 years	6,519	6,493	6,397	3,203	3,237	3,105
65 years and over	2,064	2,102	2,105	882	940	880
Nonagricultural industries	43,443	43,571	42,733	23,261	23,015	22,332
14 to 19 years	3,439	3,622	3,355	2,707	2,671	2,555
20 to 24 years	4,386	4,402	4,124	2,944	2,821	2,633
25 to 34 years	9,160	9,146	9,006	3,650	3,536	3,571
35 to 44 years	10,182	10,164	10,129	4,977	5,032	4,966
45 to 54 years	8,864	8,850	8,798	5,131	5,013	4,859
55 to 64 years	5,842	5,794	5,711	3,054	3,081	2,932
65 years and over	1,572	1,592	1,609	799	863	816
Agriculture	4,348	4,593	4,385	1,052	1,226	1,111
14 to 19 years	899	1,025	916	176	226	232
20 to 24 years	336	339	280	80	62	76
25 to 34 years	502	496	497	154	192	162
35 to 44 years	683	733	748	185	242	200
45 to 54 years	757	791	760	224	271	203
55 to 64 years	679	699	686	149	157	171
65 years and over	493	509	496	84	78	65

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

Characteristics	(In thousands)								
	Total			Male			Female		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
CLASS OF WORKER									
Total	72,104	72,405	70,561	47,791	48,164	47,118	24,313	24,241	23,443
Nonagricultural industries	66,704	66,586	65,065	43,443	43,571	42,733	23,261	23,015	22,332
Wage and salary workers	59,981	59,759	58,312	38,568	38,569	37,806	21,413	21,190	20,506
Private household workers	2,719	2,776	2,746	444	502	467	2,274	2,274	2,279
Government workers	8,733	8,685	8,630	5,367	5,426	5,425	3,366	3,259	3,205
Other wage and salary workers	48,529	48,298	46,936	32,757	32,641	31,914	15,773	15,657	15,022
Self-employed workers	6,127	6,185	6,134	4,772	4,878	4,801	1,355	1,307	1,333
Unpaid family workers	595	642	619	102	124	125	493	518	493
Agriculture	5,400	5,819	5,496	4,348	4,593	4,385	1,052	1,226	1,111
Wage and salary workers	1,936	2,113	2,031	1,576	1,717	1,616	360	396	416
Self-employed workers	2,488	2,565	2,434	2,330	2,399	2,315	158	166	118
Unpaid family workers	977	1,140	1,031	443	475	454	534	665	577
OCCUPATION									
Total	72,104	72,405	70,561	47,791	48,164	47,118	24,313	24,241	23,443
White-collar workers	30,807	30,891	29,854	17,644	17,826	17,277	13,163	13,067	12,578
Professional and technical	7,979	7,897	7,749	5,228	5,236	5,197	2,751	2,663	2,553
Managers, officials, and proprietors	7,407	7,471	7,211	6,248	6,386	6,069	1,159	1,085	1,142
Clerical workers	10,883	10,970	10,446	3,398	3,423	3,245	7,485	7,547	7,201
Sales workers	4,538	4,553	4,448	2,770	2,781	2,766	1,768	1,772	1,682
Blue-collar workers	26,796	26,683	26,322	22,708	22,694	22,460	4,088	3,988	3,863
Craftsmen and foremen	9,412	9,364	9,371	9,195	9,138	9,117	216	225	255
Operatives	13,349	13,140	12,948	9,567	9,483	9,423	3,784	3,657	3,525
Nonfarm laborers	4,035	4,179	4,003	3,946	4,073	3,920	88	106	83
Service workers	9,475	9,373	9,228	3,401	3,360	3,281	6,073	6,012	5,946
Private household workers	2,299	2,285	2,338	67	70	58	2,231	2,215	2,280
Other service workers	7,176	7,088	6,890	3,334	3,290	3,223	3,842	3,797	3,666
Farm workers	5,027	5,458	5,156	4,038	4,283	4,101	990	1,176	1,055
Farmers and farm managers	2,452	2,488	2,385	2,302	2,336	2,266	150	153	119
Farm laborers and foremen	2,575	2,970	2,771	1,736	1,947	1,835	840	1,023	936

Table A-15: Employed persons, by hours worked

(In thousands)

Hours worked	All industries			Nonagricultural industries			Agriculture		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	72,104	72,405	70,561	66,704	66,586	65,065	5,400	5,819	5,496
With a job but not at work	7,365	7,657	7,338	7,205	7,464	7,142	160	193	196
At work	64,739	64,748	63,223	59,498	59,122	57,923	5,241	5,626	5,300
1-34 hours	11,810	12,123	11,843	10,284	10,476	10,245	1,525	1,646	1,599
1-4 hours	824	829	854	744	754	770	80	74	84
5-14 hours	2,782	2,865	2,850	2,422	2,510	2,491	360	354	360
15-34 hours	8,201	8,429	8,139	7,115	7,211	6,985	1,085	1,218	1,155
35 hours or more	52,929	52,623	51,381	49,212	48,645	47,678	3,716	3,980	3,702
35-40 hours	30,858	30,340	29,798	30,053	29,450	29,020	804	891	777
41 hours and over	22,071	22,283	21,583	19,159	19,195	18,658	2,912	3,089	2,925
Average hours, total at work	41.2	41.3	41.1	40.6	40.7	40.6	46.9	47.8	46.7

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

(In thousands)

Full- or part-time status	All industries			Nonagricultural industries		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963
Total	72,104	72,405	70,561	66,704	66,586	65,065
With a job but not at work	7,365	7,657	7,338	7,205	7,464	7,142
At work	64,739	64,748	63,223	59,498	59,122	57,923
On full-time schedules	55,392	54,833	53,672	51,389	50,609	49,775
35 hours or more	52,929	52,623	51,381	49,212	48,645	47,678
1-34 hours for noneconomic reasons	2,463	2,210	2,291	2,177	1,964	2,097
Bad weather	305	294	201	206	210	148
Industrial dispute	18	9	23	18	9	23
Vacation	621	645	635	583	614	602
Illness	651	535	565	617	496	546
Holiday	153	20	84	150	15	84
All other reasons	715	707	783	603	620	694
On part time for economic reasons	2,828	2,818	3,255	2,407	2,388	2,791
Usually work full time	1,093	1,082	1,393	904	878	1,183
Average hours	22.4	22.0	23.5	23.0	22.3	23.8
Usually work part time	1,735	1,736	1,862	1,503	1,510	1,608
Average hours	17.3	17.0	17.0	17.4	17.0	16.9
On part time for noneconomic reasons; usually work part time	6,517	7,094	6,298	5,699	6,124	5,357

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								
				Total			Wage and salary workers					
							Number			Percent paid		
	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963	Aug. 1964	July 1964	Aug. 1963			
Total	7,365	7,657	7,338	7,205	7,464	7,142	6,715	7,018	6,632	63.3	67.4	64.6
Bad weather	15	23	14	12	11	9	9	6	3	-	-	(1)
Industrial dispute	16	32	50	16	32	50	16	32	50	-	-	-
Vacation	5,293	5,601	5,460	5,225	5,558	5,399	4,943	5,300	5,121	74.5	78.7	75.0
Illness	911	922	824	870	854	772	808	773	686	36.1	34.5	30.6
All other reasons	1,130	1,078	991	1,082	1,009	913	941	908	774	29.3	31.9	29.8

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

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

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	52,584	80.7	49,864	47,791	4,348	43,443	2,074	4.2	12,596	129	433	1,067	10,967
14 and 15 years	1,016	29.0	1,016	926	336	591	89	8.8	2,491	11	69	6	2,405
16 and 17 years	2,022	56.0	1,970	1,734	375	1,358	236	12.0	1,591	3	92	9	1,487
18 and 19 years	2,377	84.8	1,925	1,677	188	1,489	247	12.9	427	11	66	-	350
20 to 24 years	6,044	92.9	5,090	4,722	336	4,386	368	7.2	459	2	151	30	276
25 to 29 years	5,348	97.8	4,917	4,761	248	4,512	157	3.2	118	1	31	16	70
30 to 34 years	5,359	98.5	5,025	4,901	254	4,648	124	2.5	79	1	11	29	38
35 to 39 years	5,738	97.4	5,506	5,393	311	5,082	113	2.0	157	2	2	48	104
40 to 44 years	5,787	96.8	5,613	5,472	372	5,100	141	2.5	190	2	7	66	115
45 to 49 years	5,263	96.1	5,197	5,064	390	4,674	133	2.6	211	9	3	50	149
50 to 54 years	4,722	93.9	4,700	4,557	367	4,190	143	3.0	309	5	-	87	217
55 to 59 years	3,919	91.1	3,915	3,795	373	3,423	119	3.0	386	6	-	133	247
60 to 64 years	2,839	79.1	2,838	2,724	306	2,419	113	4.0	751	18	-	144	589
65 to 69 years	1,203	43.0	1,203	1,141	228	914	62	5.1	1,595	10	-	125	1,460
70 years and over	951	19.9	951	923	265	658	28	2.9	3,833	50	-	323	3,460
White	47,393	81.0	44,899	43,279	3,806	39,473	1,620	3.6	11,112	104	360	883	9,765
Nonwhite	5,191	77.8	4,965	4,512	542	3,970	453	9.1	1,484	25	73	184	1,202
Female	25,925	37.5	25,894	24,313	1,052	23,261	1,581	6.1	43,295	36,139	624	630	5,902
14 and 15 years	514	15.1	514	501	76	425	13	2.6	2,894	282	97	5	2,510
16 and 17 years	1,191	33.8	1,191	1,021	64	957	170	14.3	2,336	503	143	5	1,685
18 and 19 years	1,573	56.8	1,566	1,362	37	1,325	204	13.0	1,199	666	153	7	372
20 to 24 years	3,321	50.8	3,311	3,024	80	2,944	287	8.7	3,218	2,842	171	17	188
25 to 29 years	2,138	38.1	2,134	1,965	60	1,906	169	7.9	3,472	3,382	18	4	67
30 to 34 years	1,952	34.7	1,949	1,838	94	1,744	111	5.7	3,667	3,561	16	13	77
35 to 39 years	2,484	40.3	2,482	2,329	88	2,241	153	6.2	3,679	3,567	2	21	90
40 to 44 years	2,951	46.7	2,949	2,833	97	2,736	116	3.9	3,364	3,230	10	16	108
45 to 49 years	2,923	50.7	2,922	2,803	128	2,675	119	4.1	2,844	2,733	2	22	87
50 to 54 years	2,650	49.9	2,649	2,552	96	2,456	97	3.7	2,658	2,567	6	28	56
55 to 59 years	2,060	44.7	2,060	1,999	83	1,916	61	2.9	2,549	2,430	1	38	79
60 to 64 years	1,261	31.7	1,261	1,204	66	1,138	56	4.5	2,721	2,592	2	27	100
65 to 69 years	527	15.8	527	512	36	476	15	2.9	2,812	2,643	2	47	119
70 years and over	380	6.1	380	370	48	323	9	2.4	5,882	5,142	-	378	363
White	22,438	36.3	22,410	21,240	814	20,426	1,170	5.2	39,321	33,104	541	532	5,144
Nonwhite	3,487	46.7	3,484	3,073	239	2,835	410	11.8	3,974	3,035	83	98	758

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

Industry	August 1964 (Percent distribution)									
	Full- or part-time status					Hours of work				
	Total at work	On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over
			Economic reasons		Other reasons					
Usually work full time			Usually work part time	Usually work part time						
Total ¹	100.0	86.8	1.5	2.6	9.0	100.0	16.8	53.8	14.9	14.5
Construction	100.0	90.0	3.7	3.0	3.3	100.0	15.6	56.4	14.9	13.1
Manufacturing	100.0	94.5	2.1	.8	2.6	100.0	9.3	61.5	16.4	12.8
Durable goods	100.0	96.8	1.4	.5	1.4	100.0	7.0	63.9	16.6	12.6
Nondurable goods	100.0	91.6	2.9	1.2	4.2	100.0	12.1	58.6	16.2	13.0
Transportation and public utilities	100.0	95.0	.7	1.3	3.0	100.0	8.3	60.0	15.0	16.7
Wholesale and retail trade	100.0	81.0	1.0	4.2	13.7	100.0	21.2	40.4	18.5	19.8
Finance, insurance, and real estate	100.0	91.2	.4	1.0	7.3	100.0	11.7	63.9	11.1	13.2
Service industries	100.0	72.7	1.2	5.3	20.8	100.0	31.3	44.5	12.2	12.0

¹Includes 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

August 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	26,679	100.0	88.6	0.6	1.1	9.7	100.0	14.7	52.2	12.9	20.2	41.8
Professional and technical	5,968	100.0	90.5	.7	.5	8.5	100.0	14.5	56.8	11.1	17.8	41.1
Managers, officials, and proprietors	6,788	100.0	94.9	.4	.4	4.2	100.0	8.0	32.1	17.7	42.1	49.2
Clerical workers	9,793	100.0	88.6	.5	1.4	9.6	100.0	14.2	69.8	9.9	6.2	38.4
Sales workers	4,130	100.0	75.9	.8	2.3	21.0	100.0	27.0	37.6	14.5	20.9	38.5
Blue-collar workers	24,581	100.0	90.4	2.6	2.7	4.4	100.0	14.0	53.1	17.0	16.0	41.2
Craftsmen and foremen	8,645	100.0	94.4	2.0	1.2	2.4	100.0	9.4	54.0	18.6	18.0	42.5
Operatives	12,136	100.0	91.3	3.2	2.0	3.5	100.0	13.0	54.0	16.9	16.1	41.7
Nonfarm laborers	3,800	100.0	77.7	2.3	8.0	11.9	100.0	27.5	48.1	13.3	11.0	36.4
Service workers	8,600	100.0	67.9	1.4	6.6	24.1	100.0	35.2	36.8	13.7	14.3	35.8
Private household workers	2,173	100.0	38.4	1.4	12.8	47.4	100.0	64.2	18.9	7.7	9.2	25.9
Other service workers	6,427	100.0	78.0	1.5	4.5	16.2	100.0	25.5	42.9	15.8	16.0	39.2

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

August 1964

Occupation	Thousands			Percent distribution								
	Total	Male	Female	Total	Male	Female	White			Nonwhite		
							Total	Male	Female	Total	Male	Female
Total	72,104	47,791	24,313	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	30,807	17,644	13,163	42.7	36.9	54.1	45.7	39.1	58.9	17.8	15.6	21.0
Professional and technical	7,979	5,228	2,751	11.1	10.9	11.3	11.6	11.5	11.9	6.3	5.8	7.0
Medical and other health	1,367	572	796	1.9	1.2	3.3	2.0	1.2	3.5	1.1	.7	1.6
Teachers, except college	1,384	350	1,033	1.9	.7	4.2	1.9	.7	4.4	1.8	.6	3.5
Other professional and technical	5,228	4,306	922	7.3	9.0	3.8	7.7	9.5	4.1	3.4	4.4	1.9
Managers, officials, and proprietors	7,407	6,248	1,159	10.3	13.1	4.8	11.2	14.1	5.3	2.5	3.2	1.3
Salaried workers	4,341	3,670	671	6.0	7.7	2.8	6.6	8.3	3.1	.9	1.3	.5
Self-employed workers in retail trade	1,429	1,120	309	2.0	2.3	1.3	2.1	2.5	1.4	.8	.9	.7
Self-employed workers, except retail trade	1,637	1,458	179	2.3	3.1	.7	2.5	3.3	.8	.7	1.1	.2
Clerical workers	10,883	3,398	7,485	15.1	7.1	30.8	16.0	7.3	33.7	7.3	5.1	10.4
Stenographers, typists, and secretaries	2,732	69	2,663	3.8	.1	11.0	4.1	.1	12.0	1.5	.2	3.5
Other clerical workers	8,151	3,329	4,822	11.3	7.0	19.8	12.0	7.2	21.7	5.7	5.0	6.9
Sales workers	4,538	2,770	1,768	6.3	5.8	7.3	6.8	6.3	8.0	1.8	1.4	2.2
Retail trade	2,700	1,104	1,596	3.7	2.3	6.6	4.0	2.5	7.3	1.2	.8	1.8
Other sales workers	1,838	1,666	172	2.5	3.5	.7	2.8	3.8	.7	.6	.6	.5
Blue-collar workers	26,796	22,708	4,088	37.2	47.5	16.8	36.7	46.5	16.9	40.9	57.6	16.3
Craftsmen, foremen	9,412	9,195	216	13.1	19.2	.9	13.7	20.0	.9	7.6	12.2	.9
Carpenters	951	951	-	1.3	2.0	-	1.4	2.0	-	.9	1.5	-
Construction craftsmen, except carpenters	1,981	1,975	6	2.7	4.1	(1)	2.8	4.2	(1)	2.1	3.6	-
Mechanics and repairmen	2,306	2,283	22	3.2	4.8	.1	3.4	4.9	.1	1.9	3.1	-
Metal craftsmen, except mechanics	1,106	1,093	13	1.5	2.3	.1	1.6	2.4	.1	.8	1.4	.1
Other craftsmen and kindred workers	1,829	1,736	93	2.5	3.6	.4	2.7	3.8	.4	1.5	2.2	.6
Foremen, not elsewhere classified	1,239	1,157	82	1.7	2.4	.3	1.9	2.6	.3	.3	.4	.3
Operatives	13,349	9,567	3,784	18.5	20.0	15.6	18.3	19.6	15.6	20.2	23.8	15.0
Drivers and deliverymen	2,575	2,553	22	3.6	5.3	.1	3.5	5.2	.1	4.3	7.1	.1
Other operatives	10,774	7,014	3,762	14.9	14.7	15.5	14.8	14.5	15.5	16.0	16.7	14.9
Durable goods manufacturing	3,991	3,021	971	5.5	6.3	4.0	5.6	6.3	4.2	4.9	6.7	2.3
Nondurable goods manufacturing	3,798	1,726	2,072	5.3	3.6	8.5	5.3	3.6	8.7	5.2	4.0	7.0
Other industries	2,985	2,267	719	4.1	4.7	3.0	3.9	4.6	2.6	5.9	6.0	5.6
Nonfarm laborers	4,035	3,946	88	5.6	8.3	.4	4.7	6.9	.4	13.1	21.7	.4
Construction	951	948	2	1.3	2.0	(1)	1.1	1.7	(1)	3.0	5.0	-
Manufacturing	1,055	999	57	1.5	2.1	.2	1.2	1.7	.2	3.4	5.5	.3
Other industries	2,029	1,999	29	2.8	4.2	.1	2.4	3.5	.1	6.7	11.2	.1
Service workers	9,475	3,401	6,073	13.1	7.1	25.0	11.0	6.2	20.6	31.8	16.0	55.0
Private household workers	2,299	67	2,231	3.2	.1	9.2	2.0	.1	5.9	13.2	.3	32.1
Service workers, except private household	7,176	3,334	3,842	10.0	7.0	15.8	8.9	6.1	14.8	18.6	15.7	22.9
Protective service workers	943	896	47	1.3	1.9	.2	1.4	2.0	.2	.7	1.1	(1)
Waiters, cooks, and bartenders	1,964	556	1,408	2.7	1.2	5.8	2.7	1.0	6.0	3.3	2.5	4.5
Other service workers	4,269	1,882	2,387	5.9	3.9	9.8	4.9	3.1	8.6	14.6	12.1	18.3
Farm workers	5,027	4,038	990	7.0	8.4	4.1	6.7	8.2	3.5	9.6	10.8	7.7
Farmers and farm managers	2,452	2,302	150	3.4	4.8	.6	3.6	5.0	.6	1.9	2.7	.8
Farm laborers and foremen	2,575	1,736	840	3.6	3.6	3.5	3.1	3.2	3.0	7.6	8.2	6.9
Paid workers	1,611	1,296	316	2.2	2.7	1.3	1.7	2.2	.7	6.5	7.3	5.4
Unpaid family workers	964	440	524	1.3	.9	2.2	1.4	.9	2.3	1.1	.8	1.5

¹ 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

August 1964

(Percent distribution)

Characteristics	Full or part-time status						Hours of work				
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 hours and over	Average hours, total at work
				Economic reasons		Other reasons					
	Thousands	Percent		Usually work full time	Usually work part time	Usually work part time					
AGE AND SEX											
Total	59,498	100.0	86.4	1.5	2.5	9.6	100.0	17.3	50.5	32.2	40.6
Male	39,651	100.0	91.4	1.4	2.1	5.1	100.0	12.2	48.3	39.5	43.0
14 to 17 years	1,886	100.0	39.6	1.9	14.7	43.8	100.0	63.1	23.9	13.0	25.4
18 and 19 years	1,436	100.0	80.3	3.2	7.8	8.6	100.0	23.5	44.8	31.6	39.0
20 to 24 years	4,164	100.0	92.0	1.9	2.0	4.0	100.0	11.9	47.0	41.0	42.8
25 to 34 years	8,431	100.0	96.9	1.3	.7	1.1	100.0	6.7	50.5	42.8	44.9
35 to 44 years	9,212	100.0	97.1	1.1	.8	1.0	100.0	6.9	48.8	44.3	45.4
45 to 64 years	13,145	100.0	95.4	1.2	1.4	2.1	100.0	8.1	52.2	39.8	44.0
65 years and over	1,377	100.0	64.6	1.0	2.2	32.2	100.0	39.0	35.7	25.3	34.8
Female	19,846	100.0	76.2	1.8	3.5	18.6	100.0	27.6	54.9	17.6	36.0
14 to 17 years	1,322	100.0	36.6	.7	11.2	51.6	100.0	65.2	24.7	10.2	23.7
18 and 19 years	1,283	100.0	78.6	1.9	6.1	13.3	100.0	24.3	58.9	16.7	36.7
20 to 24 years	2,610	100.0	86.4	1.4	2.5	9.7	100.0	17.2	67.5	15.3	37.8
25 to 34 years	3,020	100.0	80.2	1.6	2.3	15.9	100.0	24.4	58.7	16.9	36.5
35 to 44 years	4,153	100.0	79.2	1.8	2.6	16.2	100.0	25.5	55.3	19.0	36.7
45 to 64 years	6,783	100.0	78.4	2.2	2.8	16.6	100.0	25.0	55.9	19.1	37.4
65 years and over	676	100.0	50.9	.4	4.6	44.2	100.0	50.9	28.3	20.9	31.0
MARITAL STATUS AND SEX											
Male: Single	7,271	100.0	75.1	2.0	7.0	15.9	100.0	28.4	46.0	25.6	36.6
Married, wife present	30,452	100.0	95.7	1.3	.7	2.4	100.0	8.0	48.9	43.2	44.6
Other	1,928	100.0	87.2	1.5	4.4	7.0	100.0	18.0	47.4	34.7	41.4
Female: Single	5,249	100.0	73.4	1.1	5.5	20.0	100.0	29.2	56.4	14.4	34.5
Married, husband present	10,427	100.0	76.4	2.1	2.1	19.3	100.0	27.9	54.7	17.3	36.2
Other	4,171	100.0	78.9	1.7	4.4	15.0	100.0	24.5	53.4	22.1	37.3
COLOR AND SEX											
White	53,355	100.0	87.1	1.4	2.0	9.4	100.0	16.3	50.4	33.2	41.0
Male	35,949	100.0	91.9	1.3	1.7	5.1	100.0	11.6	47.6	40.8	43.3
Female	17,407	100.0	77.5	1.6	2.6	18.3	100.0	26.2	56.2	17.6	36.3
Nonwhite	6,142	100.0	79.5	2.5	6.9	11.2	100.0	25.4	51.5	23.2	37.6
Male	3,703	100.0	87.5	2.4	5.2	4.9	100.0	17.8	55.1	27.1	40.1
Female	2,440	100.0	67.1	2.6	9.6	20.7	100.0	36.8	46.0	17.2	33.9

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

August 1964

(Percent distribution)

Hours of work	Agriculture					Nonagricultural industries						
	Total	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	64,739	5,241	1,887	2,377	977	59,498	53,265	2,577	6,602	44,086	5,637	595
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	18.3	29.1	32.6	22.9	37.7	17.3	16.8	66.1	11.2	14.7	19.4	38.6
1 to 14 hours	5.6	8.4	11.5	9.4	-	5.3	5.1	38.7	2.3	3.5	8.4	.4
15 to 21 hours	4.7	9.2	7.6	6.4	19.0	4.3	4.2	12.3	3.2	3.8	4.2	15.9
22 to 29 hours	3.8	6.7	8.2	3.8	11.1	3.6	3.5	8.8	2.6	3.4	2.9	11.2
30 to 34 hours	4.2	4.8	5.3	3.3	7.6	4.1	4.0	6.3	3.1	4.0	3.9	11.1
35 to 40 hours	47.7	15.3	19.9	11.3	16.3	50.5	53.8	17.4	67.4	53.9	22.6	22.1
35 to 39 hours	6.7	6.3	7.5	4.7	7.9	6.7	7.0	5.5	5.0	7.4	4.1	6.2
40 hours	41.0	9.0	12.4	6.6	8.4	43.8	46.8	11.9	62.4	46.5	18.5	15.9
41 hours and over	34.2	55.5	47.4	65.7	46.0	32.2	29.4	16.3	21.5	31.4	57.9	39.3
41 to 47 hours	7.8	4.8	5.9	2.4	8.3	8.1	8.3	4.4	5.6	8.9	6.8	4.9
48 hours	6.5	5.1	6.4	4.9	3.0	6.6	6.6	2.7	4.5	7.2	6.9	3.9
49 hours and over	19.9	45.6	35.1	58.4	34.7	17.5	14.5	9.2	11.4	15.3	44.2	30.5
49 to 54 hours	6.3	6.8	8.1	6.7	4.4	6.2	5.8	2.7	3.9	6.3	9.9	7.2
55 to 59 hours	3.0	3.6	4.2	3.3	3.0	2.9	2.7	1.8	1.9	2.9	4.4	5.7
60 to 69 hours	5.6	15.3	11.9	18.7	13.9	4.7	3.7	1.7	2.9	3.9	14.1	6.2
70 hours and over	5.0	19.9	10.9	29.7	13.4	3.7	2.3	3.0	2.7	2.2	15.8	11.4
Average hours, total at work	41.2	46.9	42.0	52.3	43.3	40.6	39.9	24.9	40.7	40.7	47.3	41.6

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Employment status	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
Total labor force	77,066	76,970	77,084	77,343	77,328	76,503	76,567	76,388	75,964	76,311	75,910	75,840	75,737
Civilian labor force	74,315	74,230	74,340	74,595	74,583	73,760	73,835	73,667	73,224	73,572	73,168	73,091	72,988
Employed	70,488	70,591	70,387	70,754	70,559	69,807	69,832	69,567	69,205	69,222	69,067	69,044	68,941
Agriculture	4,810	4,885	4,838	4,865	4,748	4,600	4,797	4,936	4,890	4,903	4,939	4,877	4,872
Nonagricultural industries	65,678	65,706	65,549	65,889	65,811	65,207	65,035	64,631	64,315	64,319	64,128	64,167	64,069
Unemployed	3,827	3,639	3,953	3,841	4,024	3,953	4,003	4,100	4,019	4,350	4,101	4,047	4,047

Table A-25: Seasonally adjusted rates of unemployment

Selected unemployment rates	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
Total (all civilian workers)	5.1	4.9	5.3	5.1	5.4	5.4	5.4	5.6	5.5	5.9	5.6	5.5	5.5
Men, 20 years and over	3.7	3.7	4.0	3.6	3.8	3.9	4.1	4.3	4.3	4.5	4.2	4.1	4.2
Women, 20 years and over	5.1	4.9	5.1	5.0	5.4	5.6	5.6	5.5	5.3	5.6	5.5	5.5	5.7
Both sexes, 14 to 19 years	15.0	13.1	15.0	15.9	16.2	14.4	13.8	14.9	14.7	17.0	15.7	15.3	14.6
Married men (wife present)	2.6	2.7	2.8	2.6	2.9	2.9	3.0	3.2	3.3	3.4	2.9	3.0	3.1
Experienced wage and salary workers	4.9	4.8	5.3	4.8	5.0	5.1	5.2	5.3	5.3	5.7	5.5	5.4	5.4
Labor force time lost through unemployment and part-time work ¹	5.7	5.7	6.1	5.7	5.9	5.8	6.1	6.2	6.1	6.3	6.2	6.1	6.3

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

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

(In thousands)

Duration of unemployment	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
Less than 5 weeks	1,832	1,617	1,878	1,867	1,921	1,854	1,619	1,861	1,814	1,955	1,799	1,803	1,809
5 to 14 weeks	1,135	1,139	1,108	1,095	1,214	1,031	1,187	1,104	1,217	1,272	1,214	1,234	1,196
15 weeks and over:													
Number	902	958	1,070	934	927	1,047	1,007	1,105	1,022	1,060	1,114	1,078	1,083
Percent of civilian labor force	1.2	1.3	1.4	1.3	1.2	1.4	1.4	1.5	1.4	1.4	1.5	1.5	1.5

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

(In thousands)

Employment status, age and sex	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
Civilian labor force	74,315	74,230	74,340	74,595	74,583	73,760	73,835	73,667	73,224	73,572	73,168	73,091	72,988
Men, 20 years and over	44,649	44,762	44,582	44,664	44,635	44,398	44,452	44,477	44,232	44,292	44,149	44,269	44,248
Women, 20 years and over	23,131	22,955	23,200	23,234	23,379	22,874	23,022	22,832	22,753	22,879	22,658	22,466	22,411
Both sexes, 14 to 19 years	6,535	6,513	6,558	6,697	6,569	6,488	6,361	6,358	6,239	6,401	6,361	6,356	6,329
Employed, all industries	70,488	70,591	70,387	70,754	70,559	69,807	69,832	69,567	69,205	69,222	69,067	69,044	68,941
Men, 20 years and over	42,992	43,099	42,798	43,054	42,937	42,660	42,626	42,583	42,324	42,300	42,289	42,438	42,390
Women, 20 years and over	21,940	21,831	22,015	22,066	22,118	21,595	21,725	21,573	21,557	21,606	21,414	21,224	21,143
Both sexes, 14 to 19 years	5,556	5,661	5,574	5,634	5,504	5,552	5,481	5,411	5,324	5,316	5,364	5,382	5,408
Employed, nonagricultural industries	65,678	65,706	65,549	65,889	65,811	65,207	65,035	64,631	64,315	64,319	64,128	64,167	64,069
Men, 20 years and over	39,647	39,711	39,400	39,750	39,696	39,513	39,332	39,161	38,950	38,946	38,867	39,060	39,026
Women, 20 years and over	21,168	21,060	21,296	21,267	21,315	20,899	20,937	20,807	20,748	20,750	20,622	20,432	20,369
Both sexes, 14 to 19 years	4,863	4,935	4,853	4,872	4,800	4,795	4,766	4,663	4,617	4,623	4,639	4,675	4,674
Unemployed	3,827	3,639	3,953	3,841	4,024	3,953	4,003	4,100	4,019	4,350	4,101	4,047	4,047
Men, 20 years and over	1,657	1,663	1,784	1,610	1,698	1,738	1,826	1,894	1,908	1,992	1,860	1,831	1,858
Women, 20 years and over	1,191	1,124	1,185	1,168	1,261	1,279	1,297	1,259	1,196	1,273	1,244	1,242	1,268
Both sexes, 14 to 19 years	979	852	984	1,063	1,065	936	880	947	915	1,085	997	974	921

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

(In thousands)

Full- or part-time status	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
On full-time schedules	53,033	53,273	52,502	52,697	53,041	52,821	52,711	52,165	52,027	51,851	51,610	51,487	51,367
On part time for economic reasons	2,103	2,171	2,250	2,148	2,146	2,130	2,250	2,121	2,180	2,202	2,321	2,396	2,465
Usually work full time	900	995	1,100	932	992	1,003	1,085	957	1,023	1,034	1,101	1,173	1,178
Usually work part time	1,203	1,176	1,150	1,216	1,154	1,127	1,165	1,164	1,157	1,168	1,220	1,223	1,287
On part time for noneconomic reasons; usually work part time	7,297	7,570	7,554	7,473	7,431	7,106	7,030	7,044	6,827	6,870	7,099	6,960	6,859

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

Table B-1: Employees on nonagricultural payrolls, by industry division
1919 to date
(In thousands)

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Service and miscellaneous	Government			
						Total	Wholesale trade	Retail trade			Total	Federal	State and local	
1919.....	27,088	1,133	1,021	10,659	3,711	4,514	-	-	1,111	2,263	2,676	-	-	
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-	
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-	
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-	
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-	
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-	
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-	
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-	
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-	
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-	
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532	
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622	
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704	
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666	
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601	
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647	
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728	
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842	
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923	
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054	
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090	
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206	
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320	
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270	
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,741	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	7,314	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	4,288	
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:														
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.....	58,500	631	3,191	17,186	3,949	12,100	3,207	8,893	2,924	8,641	9,878	2,332	7,546	
June.....	59,212	649	3,373	17,404	4,000	12,252	3,251	9,001	2,958	8,742	9,834	2,344	7,490	
July.....	59,007	644	3,492	17,353	4,027	12,251	3,285	8,966	2,991	8,789	9,460	2,355	7,105	
August...	59,247	648	3,538	17,527	4,035	12,299	3,315	8,984	2,994	8,776	9,430	2,350	7,080	

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

**ESTABLISHMENT DATA
EMPLOYMENT**

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
TOTAL	59,247	59,007	59,212	57,651	57,422	-	-	-	-	-
MINING	648	644	649	646	641	-	505	510	508	505
METAL MINING	-	79.6	87.8	84.7	84.4	-	65.4	73.2	70.2	70.1
Iron ores	-	30.0	29.9	28.1	27.9	-	25.6	25.5	24.1	24.0
Copper ores	-	21.1	29.8	27.5	27.5	-	16.3	24.5	22.4	22.3
COAL MINING	-	129.0	129.3	135.1	125.9	-	113.6	113.7	119.0	111.5
Bituminous	-	117.8	118.1	124.5	114.5	-	103.7	103.8	109.6	101.3
CRUDE PETROLEUM AND NATURAL GAS	-	304.3	302.2	297.9	302.2	-	217.1	214.7	211.7	215.6
Crude petroleum and natural gas fields	-	164.5	163.8	166.5	167.5	-	94.7	94.1	97.8	98.5
Oil and gas field services	-	139.8	138.4	131.4	134.7	-	122.4	120.6	113.9	117.1
QUARRYING AND NONMETALLIC MINING	-	130.8	129.3	128.2	128.5	-	109.2	108.0	106.7	107.3
CONTRACT CONSTRUCTION	3,538	3,492	3,373	3,437	3,364	-	3,020	2,905	2,977	2,906
GENERAL BUILDING CONTRACTORS	-	1,070.6	1,031.7	1,055.9	1,033.5	-	935.7	898.0	923.9	902.0
HEAVY CONSTRUCTION	-	737.4	709.6	735.5	718.4	-	653.5	625.9	656.4	639.3
Highway and street construction	-	404.4	384.3	404.6	392.3	-	370.3	350.1	370.9	359.3
Other heavy construction	-	333.0	325.3	330.9	326.1	-	283.2	275.8	285.5	280.0
SPECIAL TRADE CONTRACTORS	-	1,684.2	1,631.8	1,645.2	1,612.0	-	1,430.4	1,381.4	1,397.0	1,364.6
MANUFACTURING	17,527	17,353	17,404	17,199	17,050	12,975	12,815	12,892	12,705	12,571
DURABLE GOODS	9,871	9,907	9,951	9,609	9,666	7,230	7,271	7,332	6,995	7,056
NONDURABLE GOODS	7,656	7,446	7,453	7,590	7,384	5,745	5,544	5,560	5,710	5,515
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	248.5	251.9	255.7	275.7	276.2	104.4	105.2	106.8	118.0	118.2
Ammunition, except for small arms	177.0	180.4	183.4	191.1	191.1	61.0	61.8	63.1	67.8	67.6
Sighting and fire control equipment	-	17.9	18.2	26.1	26.6	-	7.5	7.5	10.5	10.7
Other ordnance and accessories	53.7	53.6	54.1	58.5	58.5	36.1	35.9	36.2	39.7	39.9
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	625.5	621.5	617.8	608.8	589.4	561.9	558.1	553.5	547.1	527.5
Logging camps and logging contractors	96.4	94.2	92.0	89.9	82.8	91.7	89.0	87.0	85.1	78.0
Sawmills and planing mills	263.0	262.3	261.5	263.1	256.2	240.9	240.3	238.5	241.0	234.4
Sawmills and planing mills, general	-	227.9	226.5	229.1	222.8	-	208.8	206.4	209.9	203.9
Millwork, plywood, and related products	163.4	162.1	160.9	154.7	150.6	139.2	138.0	136.9	131.6	126.9
Millwork	-	73.1	72.2	73.8	72.6	-	59.6	58.8	60.5	58.9
Veneer and plywood	-	72.0	72.3	65.0	62.1	-	66.3	66.6	59.9	57.1
Wooden containers	35.5	36.1	36.8	36.5	36.4	31.9	32.8	33.4	33.3	33.3
Wooden boxes, shooks, and crates	-	28.6	28.6	28.5	28.6	-	26.0	26.0	25.9	26.1
Miscellaneous wood products	67.2	66.8	66.6	64.6	63.4	58.2	58.0	57.7	56.1	54.9

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

ESTABLISHMENT DATA
EMPLOYMENT

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
FURNITURE AND FIXTURES	414.2	403.9	404.2	396.7	386.5	346.8	336.3	336.9	331.0	321.3
Household furniture	306.1	298.2	298.0	286.7	279.4	263.6	256.0	255.8	245.7	238.9
Wood house furniture, upholstered	-	156.4	155.1	149.9	146.2	-	139.8	138.3	133.5	129.9
Wood house furniture, upholstered	-	72.1	72.8	70.3	67.4	-	60.1	60.9	59.0	56.5
Mattresses and bedsprings	-	35.6	35.3	35.6	34.7	-	28.3	27.8	28.1	27.3
Office furniture	-	26.0	26.1	27.3	25.8	-	20.2	20.3	21.7	20.5
Partitions; office and store fixtures	-	37.5	37.3	40.9	40.4	-	27.7	27.6	31.1	30.4
Other furniture and fixtures	43.1	42.2	42.8	41.8	40.9	33.7	32.4	33.2	32.5	31.5
STONE, CLAY, AND GLASS PRODUCTS	650.9	644.8	643.1	635.6	630.0	528.3	521.4	520.8	516.3	512.1
Flat glass	-	31.8	31.7	31.3	30.3	-	25.5	25.6	25.2	24.5
Glass and glassware, pressed or blown	120.5	118.4	120.1	116.7	116.1	105.4	103.4	105.1	101.2	100.6
Glass containers	-	69.6	69.7	69.3	69.2	-	61.6	61.7	61.4	61.4
Pressed and blown glassware, n.e.c.	-	48.8	50.4	47.4	46.9	-	41.8	43.4	39.8	39.2
Cement, hydraulic	41.8	41.6	41.3	42.6	42.7	33.1	32.9	32.6	34.4	34.4
Structural clay products	70.1	69.7	69.8	72.0	71.3	59.8	59.2	59.4	61.4	60.9
Brick and structural clay tile	-	30.6	30.4	32.1	31.6	-	27.1	27.0	28.7	28.2
Pottery and related products	-	43.5	43.9	44.4	43.7	-	36.4	37.0	37.8	37.1
Concrete, gypsum, and plaster products	192.6	191.5	188.2	185.4	184.0	153.4	151.8	148.6	147.8	147.6
Other stone and mineral products	126.8	126.1	126.2	122.8	122.4	95.1	94.1	94.7	91.8	91.2
Abrasive products	-	24.0	23.8	23.3	23.4	-	15.2	15.1	14.5	14.4
PRIMARY METAL INDUSTRIES	1,232.1	1,227.5	1,227.6	1,170.8	1,195.9	1,000.3	996.9	1,000.3	945.6	970.0
Blast furnace and basic steel products	635.8	633.7	627.3	593.2	615.9	522.0	520.5	515.7	482.6	505.0
Blast furnaces, steel and rolling mills	-	564.7	559.2	525.3	548.8	-	466.0	461.8	429.4	452.6
Iron and steel foundries	214.1	211.9	214.6	196.2	198.4	182.7	181.3	184.1	166.0	168.3
Gray iron foundries	-	125.8	127.7	115.8	118.9	-	108.2	110.3	98.8	102.1
Malleable iron foundries	-	25.8	25.8	24.7	24.5	-	22.1	22.1	20.5	20.4
Steel foundries	-	60.3	61.1	55.7	55.0	-	51.0	51.7	46.7	45.8
Nonferrous smelting and refining	69.1	68.7	71.0	70.3	70.3	52.5	52.0	54.5	54.2	54.3
Nonferrous rolling, drawing, and extruding	181.5	182.4	181.6	183.5	183.0	136.7	136.9	137.5	139.5	138.7
Copper rolling, drawing, and extruding	-	46.4	47.4	47.0	46.9	-	35.0	36.4	36.3	36.0
Aluminum rolling, drawing, and extruding	-	60.2	57.5	61.1	61.5	-	44.8	42.8	46.2	46.4
Nonferrous wire drawing and insulating	-	58.0	59.0	58.2	57.6	-	44.7	46.0	45.0	44.5
Nonferrous foundries	73.3	72.6	74.2	70.4	70.9	60.7	60.0	61.7	58.4	58.8
Aluminum castings	-	36.8	37.6	35.3	35.3	-	30.9	31.8	29.8	29.7
Other nonferrous castings	-	35.8	36.6	35.1	35.6	-	29.1	29.9	28.6	29.1
Miscellaneous primary metal industries	58.3	58.2	58.9	57.2	57.4	45.7	46.2	46.8	44.9	44.9
Iron and steel forgings	-	39.4	40.2	39.5	39.4	-	31.7	32.4	31.4	31.2
FABRICATED METAL PRODUCTS	1,205.4	1,186.7	1,201.6	1,160.5	1,149.1	926.6	909.3	926.8	889.2	878.7
Metal cans	67.5	65.7	65.2	65.5	65.0	57.4	55.6	55.2	55.3	54.7
Cutlery, hand tools, and general hardware	137.7	134.0	138.8	132.6	130.5	107.2	103.8	108.9	103.2	101.4
Cutlery and hand tools, including saws	-	51.5	52.4	51.6	49.8	-	40.0	40.9	40.0	38.3
Hardware, n.e.c.	-	82.5	86.4	81.0	80.7	-	63.8	68.0	63.2	63.1
Heating equipment and plumbing fixtures	80.3	80.8	80.6	79.0	77.5	60.6	60.9	61.1	59.5	58.3
Sanitary ware and plumbers' brass goods	-	35.6	35.4	34.1	33.6	-	29.2	29.1	27.6	27.5
Heating equipment, except electric	-	45.2	45.2	44.9	43.9	-	31.7	32.0	31.9	30.8
Fabricated structural metal products	363.9	359.6	356.2	352.0	346.6	262.1	258.1	256.0	252.7	247.7
Fabricated structural steel	-	100.2	99.9	99.0	98.1	-	74.2	74.6	73.7	72.7
Metal doors, sash, frames, and trim	-	68.0	67.5	66.3	65.0	-	49.2	48.9	48.6	47.3
Fabricated plate work (boiler shops)	-	90.6	90.1	88.5	86.9	-	60.9	60.3	58.4	57.2
Sheet metal work	-	62.9	62.0	61.8	60.7	-	46.6	46.0	46.1	44.8
Architectural and miscellaneous metal work	-	37.9	36.7	36.4	35.9	-	27.2	26.2	25.9	25.7
Screw machine products, bolts, etc.	90.2	88.4	89.7	88.7	87.6	70.4	69.0	70.2	69.6	68.7
Screw machine products	-	36.8	37.6	38.2	37.8	-	30.6	31.4	32.1	31.8
Bolts, nuts, screws, rivets, and washers	-	51.6	52.1	50.5	49.8	-	38.4	38.8	37.5	36.9
Metal stampings	198.1	192.9	203.9	187.4	189.0	158.7	154.5	165.5	150.1	151.3
Coating, engraving, and allied services	75.2	73.2	73.7	70.3	69.1	63.3	61.4	62.1	58.5	57.4
Miscellaneous fabricated wire products	61.6	60.8	61.6	58.0	57.0	49.5	48.5	49.4	46.3	45.4
Miscellaneous fabricated metal products	130.9	131.3	131.9	127.0	126.8	97.4	97.5	98.4	94.0	93.8
Valves, pipe, and pipe fittings	-	79.5	79.6	77.0	76.8	-	57.2	57.6	54.8	54.5

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)									
	All employees					Production workers ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
MACHINERY	1,604.9	1,605.6	1,610.6	1,516.4	1,512.4	1,110.4	1,113.7	1,123.5	1,043.8	1,040.9
Engines and turbines	87.0	87.0	87.0	85.4	84.7	58.5	58.0	58.1	56.2	55.6
Steam engines and turbines	-	33.1	33.1	35.2	35.3	-	18.4	18.4	19.6	19.7
Internal combustion engines, n.e.c.	-	53.9	53.9	50.2	49.4	-	39.6	39.7	36.6	35.9
Farm machinery and equipment	-	123.2	126.1	115.1	117.3	-	88.7	91.6	81.3	84.1
Construction and related machinery	234.2	232.6	231.6	216.6	214.6	160.0	158.9	158.5	144.8	142.7
Construction and mining machinery	-	129.3	128.8	119.1	117.9	-	91.7	91.4	82.9	81.6
Oil field machinery and equipment	-	34.8	34.5	32.1	32.0	-	23.6	23.4	21.0	20.9
Conveyors, hoists, and industrial cranes	-	31.6	32.1	30.8	30.9	-	20.9	21.5	20.1	20.0
Metalworking machinery and equipment	287.0	289.6	292.5	269.1	268.3	213.0	215.7	219.7	199.9	199.1
Machine tools, metal cutting types	-	77.6	77.0	71.0	70.4	-	53.5	53.4	48.9	48.4
Special dies, tools, jigs, and fixtures	-	98.7	101.6	91.6	92.8	-	80.9	83.9	74.4	75.4
Machine tool accessories	-	47.8	47.7	45.5	44.4	-	34.5	34.7	33.2	32.0
Miscellaneous metalworking machinery	-	65.5	66.2	61.0	60.7	-	46.8	47.7	43.4	43.3
Special industry machinery	175.8	176.3	177.1	166.9	166.8	120.2	120.5	121.7	113.6	113.8
Food products machinery	-	33.0	33.7	32.3	32.2	-	20.9	21.8	20.6	20.5
Textile machinery	-	38.9	39.4	37.2	37.3	-	30.0	30.3	28.4	28.8
General industrial machinery	244.9	244.3	244.9	232.2	231.0	162.7	162.0	163.5	153.5	153.3
Pumps; air and gas compressors	-	67.4	67.5	65.5	64.7	-	37.7	38.2	37.0	36.9
Ball and roller bearings	-	52.3	52.7	50.1	50.1	-	41.0	41.5	39.0	38.9
Mechanical power transmission goods	-	49.6	50.2	46.0	45.9	-	36.4	37.2	33.7	33.8
Office, computing, and accounting machines	157.3	156.6	155.3	153.6	152.8	90.3	89.5	90.0	89.0	88.5
Computing machines and cash registers	-	112.9	111.2	109.6	109.4	-	59.9	60.0	58.9	58.5
Service industry machines	103.9	104.2	104.7	98.7	101.2	71.4	71.8	72.4	66.8	68.7
Refrigeration, except home refrigerators	-	66.2	66.6	61.7	64.3	-	45.9	46.4	42.0	44.0
Miscellaneous machinery	193.8	191.8	191.4	178.8	175.7	149.9	148.6	148.0	138.7	135.1
Machine shops, jobbing and repair	-	130.4	129.2	123.9	121.9	-	103.2	101.9	97.7	95.5
Machine parts, n.e.c., except electrical	-	61.4	62.2	54.9	53.8	-	45.4	46.1	41.0	39.6
ELECTRICAL EQUIPMENT AND SUPPLIES	1,577.2	1,563.3	1,559.7	1,571.7	1,566.3	1,061.2	1,047.9	1,047.2	1,048.3	1,040.2
Electric distribution equipment	176.9	175.7	173.9	170.5	168.6	118.3	117.1	116.1	112.8	111.1
Electric measuring instruments	-	55.8	55.7	54.9	54.5	-	35.7	36.0	35.9	35.5
Power and distribution transformers	-	45.9	45.4	44.1	43.3	-	32.4	31.8	30.7	29.9
Switchgear and switchboard apparatus	-	74.0	72.8	71.5	70.8	-	49.0	48.3	46.2	45.7
Electrical industrial apparatus	195.3	194.8	194.7	187.8	187.8	134.0	134.1	134.5	128.0	128.1
Motors and generators	-	103.7	103.9	100.4	101.0	-	72.5	72.8	69.6	70.2
Industrial controls	-	51.6	51.6	50.7	50.8	-	33.6	33.9	33.2	33.3
Household appliances	158.6	154.8	157.6	153.9	152.6	122.6	118.8	121.7	117.9	116.2
Household refrigerators and freezers	-	51.9	52.6	46.8	48.8	-	41.5	42.1	36.3	38.2
Household laundry equipment	-	25.3	24.9	26.1	25.2	-	19.2	18.7	20.3	18.7
Electric housewares and fans	-	32.6	34.1	35.8	33.3	-	24.6	26.2	27.4	25.2
Electric lighting and wiring equipment	156.2	154.6	154.2	150.2	146.5	121.8	120.2	120.4	117.1	113.6
Electric lamps	-	31.5	31.3	30.4	30.1	-	27.5	27.3	26.6	26.2
Lighting fixtures	-	55.0	54.6	53.2	51.7	-	42.3	42.1	41.1	39.7
Wiring devices	-	68.1	68.3	66.6	64.7	-	50.4	51.0	49.4	47.7
Radio and TV receiving sets	124.2	119.7	112.1	118.3	113.5	96.8	93.1	85.9	91.1	86.0
Communication equipment	403.6	403.0	402.7	425.5	427.1	201.6	201.6	201.1	214.8	214.3
Telephone and telegraph apparatus	-	125.8	124.6	115.6	118.1	-	84.2	83.3	77.3	77.7
Radio and TV communication equipment	-	277.2	278.1	309.9	309.0	-	117.4	117.8	137.5	136.6
Electronic components and accessories	261.3	259.2	261.8	265.7	261.6	190.4	187.2	190.6	194.0	189.4
Electron tubes	-	63.2	63.8	67.8	67.8	-	41.7	42.1	44.8	44.7
Electronic components, n.e.c.	-	196.0	198.0	197.9	193.8	-	145.5	148.5	149.2	144.7
Miscellaneous electrical equipment and supplies	101.1	101.5	102.7	99.8	108.6	75.7	75.8	76.9	72.6	81.5
Electrical equipment for engines	-	58.5	59.8	55.7	65.6	-	43.9	45.1	39.6	49.6
TRANSPORTATION EQUIPMENT	1,510.1	1,620.5	1,640.5	1,487.0	1,600.4	1,010.4	1,120.9	1,146.1	984.1	1,098.9
Motor vehicles and equipment	649.5	761.6	773.6	617.6	732.1	471.8	583.9	600.4	449.6	564.8
Motor vehicles	-	298.9	303.2	232.3	284.0	-	216.1	223.9	154.1	206.6
Passenger car bodies	-	65.1	65.8	47.6	68.0	-	51.9	52.9	34.7	55.0
Truck and bus bodies	-	37.6	37.6	33.2	36.4	-	30.7	30.7	26.8	29.9
Motor vehicle parts and accessories	-	337.0	343.6	283.1	322.1	-	267.6	275.1	217.7	256.9
Aircraft and parts	616.5	617.9	621.2	644.5	643.3	338.6	339.9	344.5	351.0	349.8
Aircraft	-	319.8	321.0	330.5	329.5	-	175.0	176.1	174.1	172.5
Aircraft engines and engine parts	-	198.7	200.0	210.4	209.9	-	101.9	104.2	110.5	110.9
Other aircraft parts and equipment	-	99.4	100.2	103.6	103.9	-	63.0	64.2	66.4	66.4
Ship and boat building and repairing	144.0	142.3	146.8	141.6	141.8	119.9	118.3	121.8	118.4	118.8
Ship building and repairing	-	117.5	121.3	118.0	118.1	-	98.3	101.0	99.3	99.6
Boat building and repairing	-	24.8	25.5	23.6	23.7	-	20.0	20.8	19.1	19.2
Railroad equipment	-	53.7	52.9	44.1	44.3	-	41.8	41.2	33.0	33.4
Other transportation equipment	-	45.0	46.0	39.2	38.9	-	37.0	38.2	32.1	32.1

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 ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
INSTRUMENTS AND RELATED PRODUCTS	381.6	377.3	378.5	376.2	372.0	242.0	237.6	239.3	239.5	236.6
Engineering and scientific instruments	-	68.9	69.1	73.9	73.1	-	35.3	35.5	38.5	38.2
Mechanical measuring and control devices	101.3	100.3	100.6	98.0	97.9	66.7	65.7	65.9	63.4	63.7
Mechanical measuring devices	-	62.3	62.2	60.2	60.5	-	39.2	39.0	37.3	37.9
Automatic temperature controls	-	38.0	38.4	37.8	37.4	-	26.5	26.9	26.1	25.8
Optical and ophthalmic goods	44.5	44.1	44.7	41.2	41.1	31.8	31.3	32.0	29.4	29.3
Surgical, medical, and dental equipment	56.4	55.1	55.7	53.8	52.3	39.4	38.2	38.7	37.8	36.8
Photographic equipment and supplies	(*)	79.7	79.0	78.3	77.7	(*)	44.2	44.1	45.1	44.2
Watches and clocks	-	29.2	29.4	31.0	29.9	-	22.9	23.1	25.3	24.4
MISCELLANEOUS MANUFACTURING INDUSTRIES	420.4	404.1	411.4	409.3	388.2	338.0	323.2	330.5	331.9	311.7
Jewelry, silverware, and plated ware	45.7	43.4	45.0	41.9	38.8	35.9	33.9	35.2	32.3	29.7
Toys, amusement, and sporting goods	-	112.7	112.4	116.0	106.3	-	94.2	94.2	98.7	88.7
Toys, games, dolls, and play vehicles	-	73.5	71.0	77.3	67.6	-	63.2	60.8	67.7	57.9
Sporting and athletic goods, n.e.c.	-	39.2	41.4	38.7	38.7	-	31.0	33.4	31.0	30.8
Pens, pencils, office, and art materials	-	31.8	31.6	32.0	31.3	-	23.4	23.4	24.3	23.7
Costume jewelry, buttons, and notions	-	56.3	59.9	59.9	56.5	-	46.4	49.4	50.0	47.0
Other manufacturing industries	163.4	159.9	162.5	159.5	155.3	128.3	125.3	128.3	126.6	122.6
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	1,842.5	1,754.4	1,712.3	1,864.6	1,779.5	1,244.3	1,159.3	1,119.3	1,271.5	1,188.2
Meat products	311.2	309.0	307.1	312.9	310.7	249.5	247.4	245.6	252.4	250.6
Meat packing	-	193.6	191.7	191.4	192.6	-	151.1	149.3	149.9	151.6
Sausages and other prepared meats	-	46.7	46.3	47.0	47.3	-	33.7	33.4	33.8	34.0
Poultry dressing and packing	-	68.7	69.1	74.5	70.8	-	62.6	62.9	68.7	65.0
Dairy products	298.6	300.4	299.1	305.8	307.9	146.0	147.3	147.5	153.4	154.9
Ice cream and frozen desserts	-	35.3	34.4	36.1	36.5	-	20.1	19.5	20.2	20.8
Fluid milk	-	210.3	209.7	214.4	215.2	-	85.0	85.3	89.7	90.1
Canned and preserved food, except meats	-	249.9	214.7	341.6	264.3	-	212.3	177.6	301.5	225.0
Canned, cured, and frozen sea foods	-	48.1	45.7	50.2	47.7	-	43.1	40.5	45.0	42.8
Canned food, except sea foods	-	134.0	106.2	195.9	139.2	-	112.7	85.7	171.8	116.5
Frozen food, except sea foods	-	39.9	37.0	57.6	46.8	-	34.8	31.9	53.2	42.4
Grain mill products	135.5	131.4	133.1	136.1	135.9	95.6	92.4	93.1	96.1	95.6
Flour and other grain mill products	-	31.8	32.8	33.8	33.4	-	21.0	22.0	23.0	22.5
Prepared feeds for animals and fowls	-	62.2	62.0	62.6	62.6	-	43.0	42.6	43.0	43.1
Bakery products	295.0	295.1	295.1	295.1	296.0	169.5	170.3	170.0	171.4	172.1
Bread, cake, and perishable products	-	251.5	250.8	250.8	251.2	-	134.4	133.7	134.8	134.9
Biscuit, crackers, and pretzels	-	43.6	44.3	44.3	44.8	-	35.9	36.3	36.6	37.2
Sugar	-	31.6	30.9	31.4	30.7	-	24.3	23.4	24.4	23.8
Confectionery and related products	74.7	69.3	71.5	76.3	69.9	60.5	54.8	56.9	61.0	55.0
Candy and other confectionery products	-	54.3	56.6	60.6	54.8	-	43.9	46.1	49.5	44.0
Beverages	228.8	228.6	222.0	223.9	223.9	119.8	119.8	114.9	117.8	118.8
Malt liquors	-	67.2	61.3	68.5	69.0	-	45.8	40.8	45.9	47.1
Bottled and canned soft drinks	-	125.0	123.1	118.0	118.3	-	49.1	48.0	45.9	46.4
Miscellaneous food and kindred products	139.0	139.1	138.8	141.5	140.2	90.9	90.7	90.3	93.5	92.4
TOBACCO MANUFACTURES	94.2	77.4	77.9	100.5	74.9	82.2	65.9	66.4	87.8	63.1
Cigarettes	-	37.7	37.1	38.6	38.2	-	31.3	30.8	31.9	31.5
Cigars	-	25.4	26.2	23.0	21.9	-	23.9	24.6	21.4	20.4
TEXTILE MILL PRODUCTS	898.7	888.8	903.3	896.5	884.0	803.5	793.3	808.5	803.1	791.6
Cotton broad woven fabrics	233.1	233.2	233.8	234.0	232.4	214.4	214.4	215.3	216.5	215.2
Silk and synthetic broad woven fabrics	85.2	84.8	85.7	84.1	82.5	76.9	76.2	77.2	75.7	74.3
Weaving and finishing broad woollens	45.1	45.2	47.5	49.0	49.5	39.5	39.6	41.8	43.1	43.6
Narrow fabrics and small wares	27.4	26.8	27.4	27.0	26.1	24.2	23.6	24.2	23.7	22.8
Knitting	221.0	217.6	220.3	219.5	216.4	198.0	194.9	197.6	197.4	194.8
Full-fashioned hosiery	-	19.3	19.3	19.0	18.4	-	17.0	17.0	16.8	16.3
Seamless hosiery	-	77.5	78.8	80.2	79.0	-	71.2	72.6	74.2	73.1
Knit outerwear	-	68.0	69.4	67.1	66.8	-	59.6	60.9	59.0	58.9
Knit underwear	-	30.0	30.1	30.4	30.0	-	27.1	27.2	27.4	27.0
Finishing textiles, except wool and knit	75.8	74.6	75.2	74.3	73.6	65.1	64.0	64.7	63.5	62.8
Floor covering	-	36.8	38.0	37.8	37.0	-	30.2	31.4	31.4	30.6
Yarn and thread	108.0	105.2	109.7	105.7	101.9	100.1	96.9	101.7	97.3	93.5
Miscellaneous textile goods	65.4	64.6	65.7	65.1	64.6	54.4	53.5	54.6	54.5	54.0

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

**ESTABLISHMENT DATA
EMPLOYMENT**

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
APPAREL AND RELATED PRODUCTS	1,365.5	1,300.4	1,330.3	1,331.9	1,280.0	1,215.0	1,152.8	1,181.2	1,182.9	1,132.9
Men's and boys' suits and coats	116.3	106.5	116.1	116.6	113.9	104.5	95.0	103.9	104.5	102.0
Men's and boys' furnishings	346.4	337.3	343.1	340.2	330.2	313.6	304.8	311.6	309.4	299.8
Men's and boys' shirts and nightwear	-	125.5	125.5	128.3	126.8	-	113.3	113.8	116.0	114.7
Men's and boys' separate trousers	-	63.9	66.4	65.6	62.9	-	59.8	62.5	61.9	59.4
Work clothing	-	78.3	80.2	75.1	73.4	-	69.9	72.0	67.8	66.1
Women's, misses', and juniors' outerwear	416.1	392.1	397.0	404.5	384.9	373.3	350.5	354.4	361.2	342.6
Women's blouses, waists, and shirts	-	50.6	51.8	50.8	48.2	-	46.4	47.6	46.1	43.7
Women's, misses', and juniors' dresses	-	182.6	187.3	194.7	181.4	-	162.8	166.9	174.1	161.2
Women's suits, skirts, and coats	-	91.3	85.0	93.4	90.3	-	81.6	75.4	83.6	80.8
Women's and misses' outerwear, n.e.c.	-	67.6	72.9	65.6	65.0	-	59.7	64.5	57.4	56.9
Women's and children's undergarments	123.4	117.5	120.4	120.8	113.4	109.1	103.8	106.5	107.0	99.9
Women's and children's underwear	-	76.6	78.2	78.6	73.7	-	70.0	71.5	72.0	67.3
Corsets and allied garments	-	40.9	42.2	42.2	39.7	-	33.8	35.0	35.0	32.6
Hats, caps, and millinery	-	30.0	29.2	34.7	32.6	-	26.5	25.7	30.6	28.6
Girls' and children's outerwear	84.9	84.1	86.0	81.3	81.2	76.1	75.3	77.2	72.6	72.4
Children's dresses, blouses, and shirts	-	39.3	40.5	37.7	38.6	-	35.5	36.6	33.8	34.6
Fur goods and miscellaneous apparel	-	73.2	76.0	75.6	72.7	-	63.7	66.2	65.5	62.8
Miscellaneous fabricated textile products	167.9	159.7	162.5	158.2	151.1	141.5	133.2	135.7	132.1	124.8
Housefurnishings	-	54.5	55.2	55.4	52.1	-	45.6	46.3	46.8	43.6
PAPER AND ALLIED PRODUCTS	641.5	631.8	635.3	629.3	620.6	502.0	492.9	498.2	495.4	487.1
Paper and pulp	221.0	218.0	218.3	219.6	217.2	176.7	174.0	174.6	176.8	174.5
Paperboard	68.7	68.1	69.1	68.3	67.9	54.9	54.1	55.2	54.6	54.1
Converted paper and paperboard products	156.5	154.1	154.4	150.8	147.6	115.2	112.8	114.2	112.5	109.6
Bags, except textile bags	-	35.1	35.7	36.2	34.2	-	28.0	28.6	29.6	27.6
Paperboard containers and boxes	195.3	191.6	193.5	190.6	187.9	155.2	152.0	154.2	151.5	148.9
Folding and setup paperboard boxes	-	67.4	68.4	68.8	66.5	-	55.4	56.2	56.6	54.4
Corrugated and solid fiber boxes	-	82.2	82.9	80.3	79.8	-	63.2	64.0	61.6	61.1
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	950.3	949.4	950.4	935.1	930.5	601.6	600.6	603.2	592.4	588.9
Newspaper publishing and printing	327.8	328.4	329.1	325.8	325.9	165.1	165.1	166.2	163.7	163.5
Periodical publishing and printing	-	69.1	69.3	69.1	68.3	-	25.5	26.0	26.8	26.4
Books	-	78.2	78.1	76.2	74.1	-	48.1	48.2	45.7	44.3
Commercial printing	305.0	305.1	306.0	297.2	296.2	238.3	238.1	238.9	232.6	231.9
Commercial printing, except lithographic	-	205.8	206.7	199.4	199.0	-	162.2	163.1	157.2	157.1
Commercial printing, lithographic	-	88.6	88.6	87.4	86.8	-	67.3	67.2	66.9	66.3
Bookbinding and related industries	52.5	51.9	51.2	51.7	51.5	42.5	41.9	41.6	41.9	41.6
Other publishing and printing industries	117.8	116.7	116.7	115.1	114.5	82.9	81.9	82.3	81.7	81.2
CHEMICALS AND ALLIED PRODUCTS	891.7	888.5	885.5	875.9	872.3	532.9	532.2	533.0	527.5	524.7
Industrial chemicals	290.2	290.6	289.3	289.4	288.4	165.8	165.5	165.5	165.8	165.5
Plastics and synthetics, except glass	182.4	181.2	179.0	172.9	172.6	122.1	121.6	120.7	115.5	115.1
Plastics and synthetics, except fibers	-	78.6	78.0	76.8	76.4	-	49.9	49.8	49.1	48.7
Synthetic fibers	-	89.0	87.5	83.3	83.0	-	62.5	61.7	58.2	57.8
Drugs	119.3	119.6	118.4	118.3	117.6	63.2	63.5	63.4	63.8	63.4
Pharmaceutical preparations	-	88.2	87.4	87.2	86.5	-	45.0	45.1	45.3	44.8
Soap, cleaners, and toilet goods	104.1	101.6	101.9	101.6	99.5	63.5	62.1	62.1	62.0	60.1
Soap and detergents	-	36.7	36.9	37.4	36.7	-	25.7	26.0	26.6	25.9
Toilet preparations	-	34.6	34.5	35.8	34.6	-	20.8	20.5	21.3	20.2
Paints, varnishes, and allied products	68.0	67.9	67.4	66.1	66.1	38.8	38.9	38.6	38.0	38.1
Agricultural chemicals	46.8	46.9	49.6	46.0	46.0	29.7	29.6	32.3	29.5	29.1
Fertilizers, complete and mixing only	-	34.0	36.6	33.9	33.4	-	22.7	25.3	22.9	22.3
Other chemical products	80.9	80.7	79.9	81.6	82.1	50.8	51.0	50.4	52.9	53.4
PETROLEUM REFINING AND RELATED INDUSTRIES	186.8	186.8	187.1	193.1	191.1	117.0	117.1	117.3	123.3	122.1
Petroleum refining	150.9	151.0	151.4	155.8	154.4	91.4	91.6	91.9	96.5	95.7
Other petroleum and coal products	35.9	35.8	35.7	37.3	36.7	25.6	25.5	25.4	26.8	26.4
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	423.6	413.5	416.0	405.0	400.5	327.1	317.4	320.3	310.1	306.7
Tires and inner tubes	96.9	96.4	96.0	91.3	96.0	69.3	68.8	68.5	64.0	68.9
Other rubber products	161.5	158.9	161.2	159.8	155.7	126.5	124.0	126.0	124.6	120.8
Miscellaneous plastic products	165.2	158.2	158.8	153.9	148.8	131.3	124.6	125.8	121.5	117.0
LEATHER AND LEATHER PRODUCTS	361.3	354.6	354.9	357.9	350.6	319.0	312.2	312.9	316.0	309.3
Leather tanning and finishing	32.5	31.9	32.5	31.5	30.7	28.3	27.9	28.3	27.6	26.8
Footwear, except rubber	243.3	240.6	240.4	239.0	236.2	217.0	213.8	213.9	213.0	210.5
Other leather products	85.5	82.1	82.0	87.4	83.7	73.7	70.5	70.7	75.4	72.0

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

	(In thousands)									
	All employees					Production workers ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
TRANSPORTATION AND PUBLIC UTILITIES	4,035	4,027	4,000	3,976	3,975	-	-	-	-	-
RAILROAD TRANSPORTATION	-	773.6	770.5	791.2	789.8	-	-	-	-	-
Class I railroads	-	678.6	675.5	696.9	695.0	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT	-	262.3	269.8	258.3	258.4	-	-	-	-	-
Local and suburban transportation	-	84.1	85.2	86.8	87.0	-	79.8	81.1	82.6	82.7
Taxicabs	-	108.5	109.4	111.1	111.4	-	-	-	-	-
Intercity and rural bus lines	-	45.9	43.9	43.6	43.7	-	42.7	40.6	40.6	40.6
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	954.2	946.4	921.1	920.1	-	866.8	858.7	838.9	837.9
AIR TRANSPORTATION	-	225.3	221.5	212.4	211.8	-	-	-	-	-
Air transportation, common carriers	-	204.8	201.5	191.9	191.3	-	-	-	-	-
PIPELINE TRANSPORTATION	-	20.0	19.9	20.4	20.5	-	16.9	16.8	17.6	17.6
OTHER TRANSPORTATION	-	298.5	299.0	305.6	305.7	-	-	-	-	-
COMMUNICATION	-	863.3	853.8	840.0	842.4	-	-	-	-	-
Telephone communication	-	717.4	708.8	698.8	701.4	-	576.5	568.4	564.4	566.5
Telegraph communication	-	32.8	32.9	33.6	34.0	-	22.8	23.1	23.9	24.1
Radio and television broadcasting	-	108.8	107.8	103.3	102.7	-	89.0	88.2	85.3	84.4
ELECTRIC, GAS, AND SANITARY SERVICES	-	629.4	619.4	626.5	625.9	-	550.1	539.9	548.0	547.8
Electric companies and systems	-	254.1	251.8	251.7	251.5	-	216.9	214.7	215.0	214.9
Gas companies and systems	-	156.7	152.7	158.4	158.3	-	138.2	133.6	139.9	140.0
Combined utility systems	-	176.2	173.5	176.6	176.3	-	158.3	155.2	158.1	157.9
Water, steam, and sanitary systems	-	42.4	41.4	39.8	39.8	-	36.7	36.4	35.0	35.0
WHOLESALE AND RETAIL TRADE²	12,299	12,251	12,252	11,878	11,832	-	9,205	9,199	8,966	8,914
WHOLESALE TRADE	3,315	3,285	3,251	3,196	3,168	-	2,802	2,771	2,739	2,714
Motor vehicles and automotive equipment	-	244.4	243.5	237.3	237.5	-	206.0	204.7	201.3	201.8
Drugs, chemicals, and allied products	-	193.2	195.3	192.1	190.7	-	159.5	162.0	159.6	158.2
Dry goods and apparel	-	137.5	136.4	134.9	134.8	-	113.9	112.9	111.9	111.7
Groceries and related products	-	526.8	515.0	512.5	508.5	-	466.0	455.2	452.7	448.8
Electrical goods	-	238.6	237.3	232.0	231.0	-	199.5	199.6	200.1	199.3
Hardware, plumbing, and heating goods	-	151.0	148.9	147.2	147.3	-	129.2	127.6	127.5	127.8
Machinery, equipment, and supplies	-	581.1	576.1	550.1	547.2	-	493.8	488.9	468.8	466.4
RETAIL TRADE ²	8,984	8,966	9,001	8,682	8,664	-	6,403	6,428	6,227	6,200
GENERAL MERCHANDISE STORES	-	1,658.1	1,661.5	1,602.0	1,583.8	-	1,512.9	1,515.0	1,466.3	1,448.7
Department stores	-	974.9	981.4	932.0	923.2	-	891.9	897.3	852.7	843.6
Limited price variety stores	-	304.1	309.0	309.9	306.0	-	280.2	285.0	286.8	283.1
FOOD STORES	-	1,438.9	1,440.3	1,400.2	1,403.8	-	1,339.4	1,340.8	1,305.4	1,308.5
Grocery, meat, and vegetable stores	-	1,274.4	1,271.2	1,229.7	1,233.3	-	1,183.5	1,180.7	1,143.4	1,146.4
APPAREL AND ACCESSORIES STORES	-	609.1	630.9	589.4	583.6	-	547.6	569.4	531.6	525.2
Men's and boys' apparel stores	-	103.2	105.7	97.0	97.6	-	93.1	95.4	87.3	87.9
Women's ready-to-wear stores	-	227.3	235.6	223.1	218.3	-	205.7	214.3	202.7	197.2
Family clothing stores	-	92.1	93.6	86.8	87.5	-	85.3	86.6	80.3	81.0
Shoe stores	-	120.4	124.6	119.6	118.5	-	104.6	108.9	105.2	104.1
FURNITURE AND APPLIANCE STORES	-	396.5	398.1	392.4	390.3	-	350.8	351.7	349.0	347.3
EATING AND DRINKING PLACES	-	1,869.6	1,878.5	1,801.5	1,809.9	-	-	-	-	-
OTHER RETAIL TRADE	-	2,993.3	2,991.7	2,896.4	2,892.8	-	2,652.6	2,650.9	2,575.1	2,570.4
Motor vehicle dealers	-	707.2	702.7	680.0	679.4	-	612.4	608.5	592.2	591.7
Other vehicle and accessory dealers	-	177.4	177.0	168.7	168.3	-	153.6	153.1	144.4	143.8
Drug stores	-	394.3	395.3	379.3	379.2	-	362.9	363.3	351.6	350.8

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
FINANCE, INSURANCE, AND REAL ESTATE	2,994	2,991	2,958	2,919	2,916	-	-	-	-	-
Banking	-	771.8	763.1	752.1	749.7	-	651.6	643.4	637.8	636.2
Credit agencies other than banks	-	309.6	305.5	295.4	295.6	-	-	-	-	-
Savings and loan associations	-	93.7	92.1	89.1	89.4	-	-	-	-	-
Personal credit institutions	-	163.4	161.3	155.3	155.5	-	-	-	-	-
Security dealers and exchanges ³	-	129.0	126.9	125.3	125.7	-	114.9	112.8	115.2	115.6
Insurance carriers ³	-	889.1	880.9	878.4	874.2	-	638.9	632.2	787.2	783.8
Life insurance ³	-	471.0	468.2	468.5	466.0	-	280.2	278.4	422.9	420.8
Accident and health insurance ³	-	54.3	53.7	52.6	52.6	-	46.2	45.7	47.0	46.9
Fire, marine, and casualty insurance ³	-	320.2	316.1	314.9	313.5	-	275.3	271.6	280.8	279.8
Insurance agents, brokers, and services	-	228.5	225.7	222.4	221.3	-	-	-	-	-
Real estate	-	586.0	579.1	568.4	571.3	-	-	-	-	-
Operative builders	-	56.4	54.7	58.4	57.9	-	-	-	-	-
Other finance, insurance, and real estate	-	77.2	76.4	76.7	77.8	-	-	-	-	-
SERVICES AND MISCELLANEOUS	8,776	8,789	8,742	8,457	8,474	-	-	-	-	-
Hotel and lodging places	-	775.7	702.6	766.1	766.3	-	-	-	-	-
Hotels, tourist courts, and motels	-	671.4	643.7	659.9	662.0	-	628.7	601.6	622.7	624.4
Personal services:										
Laundries, cleaning and dyeing plants ⁴	-	527.1	525.0	513.8	517.7	-	470.6	468.5	378.0	381.1
Miscellaneous business services:										
Advertising	-	109.7	109.3	108.9	108.9	-	-	-	-	-
Motion pictures	-	180.5	175.0	184.2	181.1	-	-	-	-	-
Motion picture filming and distributing	-	38.4	37.1	38.2	36.4	-	25.0	24.7	23.9	23.6
Motion picture theaters and services	-	142.1	137.9	146.0	144.7	-	-	-	-	-
Medical services:										
Hospitals	-	1,361.9	1,349.9	1,312.0	1,312.6	-	-	-	-	-
GOVERNMENT	9,430	9,460	9,834	9,139	9,170	-	-	-	-	-
FEDERAL GOVERNMENT⁵	2,350	2,355	2,344	2,367	2,375	-	-	-	-	-
Executive	-	2,324.5	2,313.3	2,337.0	2,344.5	-	-	-	-	-
Department of Defense	-	938.4	936.9	951.3	953.9	-	-	-	-	-
Post Office Department	-	586.5	583.7	588.7	588.7	-	-	-	-	-
Other agencies	-	799.6	792.7	797.0	801.9	-	-	-	-	-
Legislative	-	24.9	25.0	24.5	24.6	-	-	-	-	-
Judicial	-	5.8	5.8	5.7	5.7	-	-	-	-	-
STATE AND LOCAL GOVERNMENT	7,080	7,105	7,490	6,772	6,795	-	-	-	-	-
State government	-	1,853.0	1,902.4	1,744.8	1,751.7	-	-	-	-	-
State education	-	583.8	648.7	521.3	528.3	-	-	-	-	-
Other State government	-	1,269.2	1,253.7	1,223.5	1,223.4	-	-	-	-	-
Local government	-	5,252.1	5,588.0	5,026.7	5,043.3	-	-	-	-	-
Local education	-	2,746.0	3,133.0	2,590.7	2,601.1	-	-	-	-	-
Other local government	-	2,506.1	2,455.0	2,436.0	2,442.2	-	-	-	-	-

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

² Data for nonsupervisory workers exclude eating and drinking places.

³ Beginning January 1964, nonoffice salesmen excluded from nonsupervisory count.

⁴ 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.

⁵ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

* Not available.

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	96.1	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: 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	109.4	104.4	97.2	111.8	112.3	111.6	115.8	124.4	124.1	105.6	131.3
June.....	111.8	82.9	110.1	104.6	97.3	112.3	112.8	112.2	116.1	124.7	124.4	105.1	131.9
July.....	112.1	83.5	110.4	104.9	97.8	112.7	113.1	112.5	116.4	125.6	123.9	105.3	131.2
August.....	112.1	82.7	109.9	104.6	98.1	112.9	113.0	112.8	116.5	126.1	124.1	105.3	131.4

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

Industry division and group	(In thousands)												
	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
TOTAL	58,944	58,929	58,782	58,590	58,502	58,327	58,183	57,850	57,748	57,580	57,646	57,453	57,344
MINING	637	643	638	628	631	625	624	623	630	630	629	632	635
CONTRACT CONSTRUCTION	3,173	3,186	3,179	3,159	3,144	3,162	3,169	3,017	3,069	3,057	3,066	3,071	3,083
MANUFACTURING	17,364	17,411	17,367	17,323	17,301	17,242	17,175	17,119	17,127	17,061	17,119	17,076	17,033
DURABLE GOODS	9,913	9,946	9,896	9,853	9,868	9,814	9,750	9,726	9,737	9,688	9,718	9,705	9,652
Ordnance and accessories	248	253	258	262	266	268	270	276	276	275	277	275	275
Lumber and wood products	594	596	590	592	599	607	601	596	598	595	589	588	578
Furniture and fixtures	409	410	406	401	401	399	395	394	394	392	391	392	393
Stone, clay, and glass products	630	630	628	623	621	623	618	612	612	614	611	610	616
Primary metal industries	1,237	1,240	1,221	1,206	1,202	1,183	1,177	1,169	1,166	1,155	1,155	1,164	1,176
Fabricated metal products	1,206	1,198	1,195	1,189	1,194	1,186	1,176	1,164	1,169	1,162	1,164	1,165	1,162
Machinery	1,615	1,606	1,595	1,585	1,575	1,567	1,547	1,559	1,555	1,548	1,545	1,531	1,525
Electrical equipment	1,579	1,584	1,573	1,571	1,570	1,563	1,559	1,564	1,566	1,557	1,571	1,574	1,574
Transportation equipment	1,605	1,639	1,643	1,643	1,660	1,640	1,631	1,621	1,629	1,619	1,647	1,635	1,580
Instruments and related products	381	380	380	376	377	377	375	375	375	373	373	373	375
Miscellaneous manufacturing	409	410	407	405	403	401	401	396	397	398	395	398	398
NONDURABLE GOODS	7,451	7,465	7,471	7,470	7,433	7,428	7,425	7,393	7,390	7,373	7,401	7,371	7,361
Food and kindred products	1,708	1,705	1,712	1,725	1,724	1,735	1,743	1,741	1,741	1,733	1,742	1,723	1,728
Tobacco manufactures	85	90	90	90	90	90	89	88	91	95	89	86	91
Textile-mill products	889	896	897	898	897	899	897	891	888	889	890	886	887
Apparel and related products	1,335	1,337	1,348	1,336	1,318	1,309	1,310	1,299	1,295	1,291	1,312	1,306	1,302
Paper and allied products	636	634	631	630	629	627	627	624	624	622	620	622	623
Printing and publishing	952	953	953	953	947	943	942	940	939	931	934	935	937
Chemicals and allied products	886	887	884	877	873	876	872	872	871	870	871	869	870
Petroleum and related products	184	184	184	184	185	185	185	186	188	189	189	190	189
Rubber and plastic products	423	422	418	422	419	416	412	407	405	406	402	402	404
Leather and leather products	353	357	354	355	351	348	348	345	348	347	352	352	350
TRANSPORTATION AND PUBLIC UTILITIES	3,999	3,987	3,964	3,961	3,954	3,930	3,934	3,923	3,915	3,928	3,937	3,950	3,941
WHOLESALE AND RETAIL TRADE	12,328	12,304	12,268	12,209	12,211	12,143	12,143	12,072	11,963	11,941	11,935	11,922	11,907
WHOLESALE TRADE	3,272	3,275	3,267	3,253	3,240	3,227	3,216	3,214	3,190	3,176	3,173	3,170	3,155
RETAIL TRADE	9,056	9,029	9,001	8,956	8,971	8,916	8,927	8,858	8,773	8,765	8,762	8,752	8,752
FINANCE, INSURANCE, AND REAL ESTATE	2,947	2,944	2,937	2,930	2,925	2,918	2,911	2,904	2,892	2,887	2,887	2,873	2,873
SERVICE AND MISCELLANEOUS	8,689	8,659	8,596	8,572	8,543	8,552	8,515	8,474	8,447	8,423	8,430	8,377	8,373
GOVERNMENT	9,807	9,795	9,833	9,808	9,793	9,755	9,712	9,705	9,705	9,653	9,643	9,552	9,499
FEDERAL	2,331	2,332	2,328	2,337	2,329	2,328	2,321	2,349	2,349	2,347	2,352	2,347	2,348
STATE AND LOCAL	7,476	7,463	7,505	7,471	7,464	7,427	7,391	7,369	7,356	7,306	7,291	7,205	7,151

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

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

Major industry group	(In thousands)												
	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
MANUFACTURING	12,848	12,892	12,864	12,824	12,813	12,759	12,697	12,639	12,653	12,590	12,649	12,611	12,575
DURABLE GOODS	7,287	7,314	7,278	7,236	7,260	7,207	7,148	7,120	7,129	7,081	7,110	7,097	7,051
Ordnance and accessories	105	106	108	110	112	113	114	118	118	117	120	119	119
Lumber and wood products	531	532	527	529	535	544	539	535	536	532	526	525	517
Furniture and fixtures	342	341	339	333	334	331	329	328	327	325	325	326	326
Stone, clay, and glass products	508	506	506	501	501	503	499	492	494	495	491	490	496
Primary metal industries	1,007	1,011	993	981	978	958	954	945	943	932	931	939	953
Fabricated metal products	929	921	921	914	920	912	903	894	897	891	895	895	891
Machinery	1,125	1,118	1,111	1,103	1,097	1,091	1,072	1,085	1,081	1,074	1,074	1,061	1,058
Electrical equipment	1,064	1,069	1,059	1,054	1,055	1,047	1,041	1,045	1,047	1,041	1,051	1,049	1,051
Transportation equipment	1,107	1,140	1,147	1,149	1,165	1,147	1,137	1,124	1,129	1,116	1,143	1,136	1,079
Instruments and related products	242	242	240	238	239	239	238	237	238	238	237	237	240
Miscellaneous manufacturing	327	328	327	324	324	322	322	317	319	320	317	320	321
NONDURABLE GOODS	5,561	5,578	5,586	5,588	5,553	5,552	5,549	5,519	5,524	5,509	5,539	5,514	5,524
Food and kindred products	1,124	1,120	1,123	1,137	1,133	1,146	1,154	1,154	1,155	1,148	1,159	1,143	1,149
Tobacco manufactures	73	79	78	78	78	78	77	75	80	82	77	73	79
Textile mill products	794	799	803	804	804	805	804	798	795	796	795	793	793
Apparel and related products	1,185	1,190	1,201	1,190	1,174	1,161	1,162	1,152	1,148	1,144	1,164	1,159	1,154
Paper and allied products	497	496	495	493	491	491	489	488	490	488	488	488	490
Printing and publishing	604	606	605	605	602	600	598	596	597	597	591	593	594
Chemicals and allied products	532	534	533	529	525	527	526	524	525	524	527	526	527
Petroleum and related products	114	115	114	114	115	116	116	116	118	119	120	120	120
Rubber and plastic products	327	325	322	326	323	321	317	312	310	311	308	309	310
Leather and leather products	311	314	312	312	308	307	306	304	306	307	310	310	308

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		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
Alabama	817.8	818.2	805.7	8.9	8.8	9.1	46.8	45.8	45.7
Alaska	72.8	69.3	70.0	1.5	1.4	1.2	8.4	7.0	6.3
Arizona	384.6	389.3	371.6	14.3	15.5	14.9	28.4	28.3	26.9
Arkansas	427.9	430.1	421.2	5.0	5.0	5.2	30.4	30.0	30.4
California	5,587.1	5,578.9	5,434.2	30.8	30.6	30.8	338.5	332.9	329.9
Colorado	574.8	572.9	564.9	11.4	11.2	12.0	38.9	37.7	37.6
Connecticut	980.1	986.8	968.8	(1)	(1)	(1)	51.6	50.7	50.1
Delaware	173.6	171.9	168.3	(2)	(2)	(2)	14.8	14.1	14.3
District of Columbia	601.6	601.7	592.5	(2)	(2)	(2)	26.3	25.9	24.8
Florida	1,465.2	1,482.2	1,394.4	9.2	9.0	8.9	124.6	121.9	117.5
Georgia	1,181.7	1,180.7	1,148.3	6.0	6.0	5.8	72.3	71.3	71.2
Hawaii	215.6	211.5	209.6	(2)	(2)	(2)	15.9	15.6	15.6
Idaho	171.6	168.1	169.8	3.4	3.3	3.3	11.2	10.6	10.4
Illinois	3,655.5	3,681.6	3,596.1	27.1	27.2	27.3	166.8	162.9	168.6
Indiana	1,530.1	1,540.7	1,503.1	9.6	9.7	10.0	77.7	75.9	72.1
Iowa	710.5	712.4	701.8	3.6	3.6	3.6	40.7	39.1	40.1
Kansas	587.3	587.5	578.4	15.0	14.6	15.3	35.5	34.2	38.9
Kentucky	709.9	713.5	702.2	29.1	28.6	30.4	40.8	39.7	49.5
Louisiana	824.8	824.8	813.7	47.6	47.3	45.0	59.2	58.3	56.9
Maine	289.9	287.7	288.3	(2)	(2)	(2)	15.1	14.5	15.0
Maryland	1,015.1	1,013.5	989.1	2.5	2.5	2.5	79.5	77.3	77.4
Massachusetts	1,981.6	1,992.5	1,968.3	(2)	(2)	(2)	103.2	100.1	91.6
Michigan	2,482.3	2,493.1	2,400.3	13.6	13.6	13.6	117.3	105.8	107.5
Minnesota	1,033.6	1,031.3	1,014.4	14.1	14.2	14.6	68.3	64.8	64.5
Mississippi	449.7	450.8	443.0	6.4	6.3	6.6	27.7	26.9	27.8
Missouri	1,421.0	1,422.4	1,392.3	7.6	7.8	7.4	78.3	74.2	75.5
Montana	183.5	182.9	182.7	7.5	7.5	7.0	14.6	13.7	15.5
Nebraska	403.0	402.1	401.6	2.5	2.4	2.3	25.6	24.4	28.6
Nevada	157.2	154.9	148.9	3.0	3.0	3.0	15.8	15.9	17.4
New Hampshire	222.2	214.5	219.7	.3	.3	.3	11.4	10.6	11.2
New Jersey	2,136.0	2,139.9	2,131.7	3.7	3.7	3.7	105.9	103.6	103.2
New Mexico	259.3	260.5	249.9	17.1	18.0	17.6	20.6	20.6	19.4
New York	6,349.6	6,367.5	6,294.8	9.3	9.2	9.5	275.6	267.0	289.8
North Carolina	1,307.9	1,313.8	1,281.1	2.6	2.6	2.8	78.6	77.2	76.6
North Dakota	138.3	137.6	136.3	1.8	1.8	1.8	14.2	12.6	13.5
Ohio	3,200.2	3,217.9	3,180.9	18.7	18.6	19.6	157.1	150.8	161.8
Oklahoma	622.6	628.3	616.2	43.2	42.7	43.0	39.5	39.4	39.9
Oregon	573.6	571.1	546.8	1.6	1.6	1.7	32.9	30.3	31.6
Pennsylvania	3,758.8	3,769.4	3,734.2	46.9	47.2	51.5	163.0	158.3	169.9
Rhode Island	297.4	301.2	299.0	(2)	(2)	(2)	13.9	13.4	14.2
South Carolina	639.6	638.6	624.4	1.6	1.6	1.6	38.5	37.6	38.3
South Dakota	156.0	159.9	159.2	2.6	2.6	2.6	15.0	14.6	16.2
Tennessee	1,038.2	1,039.2	1,004.6	6.8	6.8	6.7	62.9	61.9	58.5
Texas	2,760.7	2,758.6	2,703.7	116.6	115.8	114.2	184.4	183.8	186.4
Utah ³	291.2	298.6	298.3	7.4	11.6	11.5	19.3	18.8	19.7
Vermont	118.4	114.3	116.9	1.3	1.3	1.2	6.5	6.4	7.0
Virginia	1,161.9	1,169.3	1,129.0	15.8	15.8	15.9	97.6	95.8	90.8
Washington	857.6	861.2	853.2	1.9	1.9	1.9	45.3	43.7	46.7
West Virginia	458.0	457.7	449.1	46.1	46.0	47.5	27.8	25.8	21.5
Wisconsin	1,264.0	1,261.8	1,245.8	2.9	2.9	2.9	60.7	58.9	58.6
Wyoming	106.9	104.0	103.9	9.7	9.7	9.8	12.3	11.8	12.2

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		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
Alabama.....	250.8	250.1	246.5	48.0	48.1	48.7	157.5	157.4	154.2
Alaska.....	9.3	7.4	10.7	6.9	6.9	6.9	9.0	9.0	9.1
Arizona.....	58.1	58.8	58.0	26.0	25.9	25.9	93.8	94.6	88.8
Arkansas.....	121.1	123.0	120.5	29.1	29.0	28.7	91.5	91.7	89.8
California.....	1,416.4	1,405.0	1,422.8	383.2	379.7	375.0	1,209.3	1,203.6	1,166.5
Colorado.....	91.7	91.4	90.5	45.3	45.1	44.9	136.3	135.4	133.7
Connecticut.....	412.9	419.2	418.3	44.6	45.9	44.9	175.9	177.0	169.3
Delaware.....	62.1	62.0	61.5	10.7	10.8	10.8	32.9	32.7	31.6
District of Columbia.....	20.4	20.3	20.2	30.0	29.7	29.7	88.5	88.7	86.2
Florida.....	230.8	232.1	220.8	106.3	106.0	99.6	399.6	398.1	373.8
Georgia.....	372.9	372.3	362.0	78.5	77.7	76.3	237.7	236.6	233.1
Hawaii.....	33.4	30.7	33.6	15.9	15.9	15.6	49.1	48.3	46.6
Idaho.....	32.2	31.4	31.8	14.5	14.4	14.6	41.3	41.2	41.6
Illinois.....	1,232.9	1,241.1	1,203.6	274.9	272.8	275.7	767.1	770.6	759.0
Indiana.....	621.2	623.1	612.3	88.9	89.0	89.8	301.0	302.2	298.3
Iowa.....	182.6	183.2	178.7	49.7	49.7	50.5	175.1	175.9	173.6
Kansas.....	119.2	119.5	115.6	52.9	52.6	53.4	135.7	135.9	135.2
Kentucky.....	188.1	188.5	179.9	54.7	54.4	54.1	147.7	146.3	145.2
Louisiana.....	148.2	147.5	146.1	80.2	80.3	80.9	186.2	186.1	183.2
Maine.....	107.0	106.0	106.1	17.3	17.1	17.3	55.3	54.6	55.1
Maryland.....	259.1	258.2	265.2	73.0	72.9	72.3	219.0	213.8	209.4
Massachusetts.....	641.5	651.3	652.2	102.5	102.6	102.5	402.4	408.6	401.1
Michigan.....	989.6	1,016.4	962.5	131.0	130.7	130.1	461.2	461.1	444.9
Minnesota.....	250.8	245.6	247.4	79.9	79.3	78.8	248.3	247.3	243.8
Mississippi.....	139.4	138.3	135.5	25.6	25.8	26.5	88.5	88.3	87.7
Missouri.....	409.9	408.5	396.6	115.0	115.2	116.6	314.4	314.7	315.6
Montana.....	23.0	22.5	23.5	18.0	18.1	18.5	42.4	42.0	42.4
Nebraska.....	67.8	68.4	67.4	37.9	37.4	37.8	98.3	97.8	98.0
Nevada.....	7.1	7.0	6.7	12.1	11.8	11.2	29.9	29.3	27.3
New Hampshire.....	85.6	86.1	85.7	9.7	9.7	9.7	39.9	39.0	39.7
New Jersey.....	780.2	786.6	804.0	149.7	150.5	151.9	421.8	421.7	411.8
New Mexico.....	17.6	17.9	17.2	20.2	19.8	19.8	55.1	54.7	53.0
New York.....	1,802.7	1,800.8	1,803.2	475.5	472.8	472.0	1,281.7	1,293.6	1,267.6
North Carolina.....	540.6	544.9	532.9	70.0	70.0	67.7	239.2	238.2	234.1
North Dakota.....	7.5	7.4	8.0	12.4	12.3	12.4	37.7	37.5	36.7
Ohio.....	1,240.2	1,242.1	1,239.0	201.6	201.4	200.0	621.1	619.9	618.9
Oklahoma.....	96.4	96.6	91.0	46.6	46.4	46.7	144.6	145.2	142.7
Oregon.....	157.7	150.4	143.8	44.7	43.9	44.2	125.9	125.0	122.9
Pennsylvania.....	1,434.8	1,428.3	1,412.5	259.9	259.2	261.1	683.1	689.0	677.6
Rhode Island.....	113.0	115.9	114.7	14.8	14.9	14.9	55.8	56.5	55.3
South Carolina.....	280.3	280.9	271.4	27.5	27.5	26.8	108.8	108.2	105.9
South Dakota.....	13.1	12.8	15.8	9.9	9.7	10.1	41.3	41.4	40.7
Tennessee.....	357.2	355.9	346.8	56.8	56.5	55.7	205.5	205.5	199.9
Texas.....	533.9	534.8	520.4	217.5	216.2	219.4	682.0	679.4	669.9
Utah ³	50.5	51.6	56.7	22.3	22.1	22.4	67.1	67.3	66.2
Vermont.....	35.4	35.4	35.1	7.1	7.1	7.0	22.1	21.9	21.6
Virginia.....	302.5	302.6	295.0	85.3	85.1	83.2	239.0	238.6	231.8
Washington.....	224.4	221.3	219.8	61.9	60.9	62.5	189.5	188.1	189.3
West Virginia.....	124.9	125.2	124.1	41.4	41.5	41.5	80.0	80.1	79.1
Wisconsin.....	467.7	460.8	473.1	71.1	72.2	71.9	257.1	256.7	250.3
Wyoming.....	7.8	7.5	6.8	10.7	10.6	10.8	21.5	20.5	21.3

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		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
Alabama	33.9	34.0	34.1	104.0	104.3	102.5	167.9	169.7	164.9
Alaska	2.1	2.1	1.7	7.3	7.2	6.6	28.3	28.3	27.5
Arizona	20.9	20.7	19.7	59.7	60.1	58.6	83.4	85.4	78.8
Arkansas	17.0	16.9	16.1	56.8	56.4	55.1	77.0	78.1	75.4
California	298.1	295.3	285.0	880.5	877.8	841.4	1,030.3	1,054.0	982.8
Colorado	29.4	29.2	29.5	93.8	92.2	93.2	128.0	130.7	123.5
Connecticut	58.2	57.5	56.9	132.2	131.1	128.9	104.8	105.3	100.5
Delaware	6.8	6.7	6.6	23.8	23.0	22.7	22.5	22.6	20.8
District of Columbia ⁴	30.8	30.6	30.2	105.4	106.1	103.7	300.2	300.4	297.7
Florida	91.5	91.2	90.9	251.8	251.5	238.4	251.4	272.4	244.5
Georgia	58.2	57.9	56.8	139.6	138.7	134.7	216.5	220.2	208.4
Hawaii	11.3	11.2	11.1	36.6	35.9	34.8	53.4	53.9	52.3
Idaho	6.8	6.7	6.6	22.4	22.0	22.0	39.8	38.5	39.5
Illinois	200.4	198.2	199.2	536.0	537.9	525.2	450.3	470.8	437.5
Indiana	63.5	63.0	63.0	156.9	159.9	155.4	211.2	217.9	202.1
Iowa	35.6	35.3	34.7	102.6	103.3	100.1	120.6	122.3	120.4
Kansas	25.8	25.7	25.2	82.6	81.8	78.5	120.6	123.2	116.3
Kentucky	28.8	28.4	28.0	99.7	99.4	96.5	121.1	128.1	118.6
Louisiana	38.1	38.0	38.2	112.9	112.3	112.0	152.4	155.0	151.4
Maine	10.0	9.9	9.9	34.9	33.4	34.8	50.3	52.2	50.1
Maryland ⁴	53.8	53.4	51.1	159.2	158.9	151.7	169.0	176.5	159.5
Massachusetts	106.5	105.6	106.1	359.0	356.6	347.8	266.5	267.7	267.0
Michigan	93.6	92.9	89.3	314.5	312.4	304.6	361.5	360.3	347.7
Minnesota	52.1	51.6	52.0	151.2	153.6	148.8	168.9	174.9	164.7
Mississippi	16.0	15.9	15.8	52.4	52.2	51.6	93.7	97.1	91.5
Missouri	78.7	78.5	77.1	202.4	205.4	199.3	214.7	218.1	204.2
Montana	6.9	6.9	7.0	25.7	25.5	25.7	45.4	46.7	43.1
Nebraska	25.1	25.0	24.8	61.4	61.9	60.4	84.5	84.7	82.3
Nevada	6.2	6.1	5.7	57.5	55.9	54.1	25.6	25.9	23.5
New Hampshire	8.2	8.1	7.9	42.8	35.1	41.8	24.3	25.6	23.3
New Jersey	98.7	97.4	96.9	313.6	308.5	303.9	262.4	267.9	256.3
New Mexico	11.7	11.7	11.3	45.9	45.5	42.9	71.1	72.3	68.7
New York	507.2	502.4	505.6	1,107.9	1,107.9	1,067.7	889.5	913.7	879.3
North Carolina	52.3	52.0	50.0	145.6	145.3	142.4	179.0	183.6	174.6
North Dakota	6.6	6.6	6.3	23.3	23.5	22.7	34.8	36.0	35.0
Ohio	131.5	130.1	129.4	404.6	410.4	396.1	425.3	444.7	416.0
Oklahoma	29.0	29.4	29.5	84.4	84.2	84.1	138.9	144.4	139.3
Oregon	25.5	25.3	24.8	78.8	79.7	75.8	106.5	114.9	102.0
Pennsylvania	161.6	160.5	160.3	542.4	544.1	543.5	467.1	482.8	457.8
Rhode Island	13.5	13.4	13.6	43.8	43.8	44.4	42.6	43.3	41.9
South Carolina	23.6	23.6	23.7	63.1	63.1	62.4	96.2	96.1	94.3
South Dakota	6.7	6.8	6.7	25.4	26.1	25.6	42.1	46.1	41.5
Tennessee	45.9	45.7	44.4	141.0	141.5	136.3	162.1	165.4	156.3
Texas ²	149.7	149.0	143.8	399.6	396.6	383.8	477.0	483.0	465.8
Utah ³	12.9	12.9	12.7	40.7	40.8	39.3	71.0	73.5	69.8
Vermont	4.4	4.4	4.4	24.3	20.4	23.4	17.5	17.5	17.3
Virginia ⁴	52.0	51.6	50.4	157.8	157.8	153.8	211.9	222.0	208.1
Washington	43.4	43.3	43.5	116.4	115.7	116.7	174.8	186.3	172.8
West Virginia	13.6	13.5	13.7	54.6	54.7	54.1	69.6	71.0	67.6
Wisconsin	51.1	50.3	49.6	165.8	165.9	161.7	187.6	194.1	177.7
Wyoming	3.3	3.3	3.2	15.7	14.6	14.9	25.9	26.0	24.9

¹ Combined with construction.

² Combined with service.

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

⁴ 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	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	ALABAMA						ARIZONA					
	Birmingham			Mobile			Phoenix			Tucson		
TOTAL	201.7	201.2	199.8	94.5	94.9	94.9	219.7	221.5	207.3	76.6	78.1	76.5
Mining.....	4.5	4.4	4.4	(1)	(1)	(1)	.2	.2	.2	3.2	3.2	3.2
Contract construction..	11.0	10.9	11.0	5.4	5.5	5.6	17.1	16.7	15.6	6.6	6.7	6.3
Manufacturing.....	60.2	60.1	60.5	16.9	17.0	17.5	43.7	44.2	40.7	6.8	6.9	9.8
Trans. and pub. util...	16.3	16.2	16.2	10.8	11.1	10.3	14.1	14.1	13.7	5.4	5.4	5.3
Trade.....	47.2	47.3	46.3	21.1	21.1	20.5	57.6	58.2	53.6	18.0	18.1	17.4
Finance.....	14.4	14.4	14.2	4.1	4.0	4.1	14.8	14.7	14.0	3.9	3.9	3.6
Service.....	26.0	25.9	26.0	12.1	12.1	11.9	34.1	34.4	33.7	13.8	13.9	13.6
Government.....	22.1	22.0	21.2	24.1	24.1	25.0	38.1	39.0	35.8	18.9	20.0	17.3
ARKANSAS												
	Fayetteville			Fort Smith			Little Rock - N. Little Rock			Pine Bluff		
TOTAL	16.7	16.9	15.9	29.6	29.9	29.1	93.1	92.9	90.5	20.3	20.3	19.7
Mining.....	(1)	(1)	(1)	.3	.3	.3	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.0	1.0	1.0	2.2	2.1	1.9	7.2	7.2	8.2	1.9	2.0	1.8
Manufacturing.....	4.9	5.2	4.5	10.7	11.1	10.6	17.7	17.7	16.5	5.3	5.3	5.4
Trans. and pub. util...	1.4	1.4	1.3	1.9	1.9	1.9	8.1	8.1	8.1	2.6	2.6	2.5
Trade.....	3.7	3.6	3.5	6.7	6.6	6.7	20.5	20.4	19.8	3.7	3.7	3.7
Finance.....	.5	.5	.5	.9	1.0	.9	7.2	7.2	6.9	.7	.7	.7
Service.....	2.1	2.1	2.0	4.0	4.0	3.9	14.0	14.0	13.5	1.9	1.9	1.9
Government.....	3.0	3.1	3.2	2.9	2.9	3.0	18.4	18.3	17.3	4.0	4.1	3.7
CALIFORNIA												
	Bakersfield			Fresno			Los Angeles - Long Beach			Sacramento		
TOTAL	77.6	78.5	76.0	99.2	96.8	95.6	2,688.8	2,688.3	2,614.6	187.7	188.3	181.7
Mining.....	6.8	6.7	7.1	1.0	1.0	.9	12.2	12.1	12.2	.2	.2	.2
Contract construction..	4.1	4.0	4.0	5.7	5.6	5.5	149.5	147.7	144.6	13.4	12.8	12.3
Manufacturing.....	7.9	7.8	7.5	16.3	15.2	15.4	854.3	853.7	854.3	31.2	31.9	32.5
Trans. and pub. util...	6.1	6.0	6.0	8.2	8.0	8.0	155.9	155.1	151.7	13.3	13.1	13.0
Trade.....	18.0	18.2	17.7	28.2	27.3	27.5	583.9	581.7	562.8	35.9	35.8	34.9
Finance.....	2.9	2.9	2.8	4.6	4.5	4.4	149.8	147.8	142.3	8.4	8.3	7.9
Service.....	11.2	11.5	10.9	15.6	15.2	15.1	431.0	430.6	413.6	21.0	21.0	19.7
Government.....	20.6	21.4	20.0	19.6	20.0	18.8	352.2	359.6	333.1	64.3	65.2	61.2
CALIFORNIA - Continued												
	San Bernardino - Riverside - Ontario			San Diego			San Francisco - Oakland			San Jose		
TOTAL	226.8	229.2	215.4	260.1	261.3	261.0	1,095.7	1,093.0	1,066.5	263.8	257.5	252.3
Mining.....	1.5	1.5	1.3	.4	.4	.4	1.9	1.9	1.8	.1	.1	.1
Contract construction..	17.6	17.6	17.6	15.8	15.4	15.3	69.8	68.4	67.2	20.1	19.8	19.2
Manufacturing.....	39.7	39.3	38.3	49.3	51.4	56.7	201.7	199.3	202.2	88.7	81.7	90.7
Trans. and pub. util...	16.8	16.7	16.1	14.9	14.8	14.2	111.6	110.7	108.2	11.1	10.8	10.4
Trade.....	49.7	49.6	46.4	57.7	57.2	55.7	241.6	239.0	234.3	46.4	46.3	42.0
Finance.....	8.9	8.8	8.4	12.4	12.4	11.9	83.8	82.8	79.8	10.2	9.9	9.4
Service.....	35.4	35.6	33.3	46.9	46.1	44.5	163.2	163.0	156.7	47.8	48.7	44.8
Government.....	57.2	60.1	54.0	62.7	63.6	62.3	222.1	227.9	216.3	39.4	40.2	35.7
CALIFORNIA - Continued												
	Stockton			Denver			Bridgeport			Hartford		
TOTAL	68.4	69.5	65.6	369.1	368.8	364.3	130.4	130.9	130.1	257.3	257.7	255.4
Mining.....	.1	.1	.1	3.0	3.0	3.4	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	4.0	3.8	3.7	23.9	23.6	23.6	5.6	5.3	5.4	13.6	13.1	13.0
Manufacturing.....	14.0	13.3	13.1	67.0	67.3	65.6	68.3	68.5	69.2	91.2	92.1	93.5
Trans. and pub. util...	5.8	6.0	5.7	31.3	31.0	31.0	5.7	5.7	5.6	9.5	9.7	9.3
Trade.....	16.0	16.6	15.8	91.6	91.4	89.6	22.6	22.9	22.1	48.8	49.2	47.2
Finance.....	2.4	2.4	2.4	22.0	21.9	22.5	3.9	3.8	3.7	33.8	33.4	33.3
Service.....	9.6	10.3	9.1	62.9	62.3	62.5	14.3	14.5	14.3	33.6	33.6	32.8
Government.....	16.5	17.0	15.7	67.4	68.3	66.1	10.0	10.2	9.9	26.8	26.7	26.4

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	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	CONNECTICUT - Continued											
	New Britain			New Haven			Stamford			Waterbury		
TOTAL	41.2	41.3	40.4	130.7	131.2	130.9	64.1	64.2	64.2	66.5	67.8	67.0
Mining.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	1.5	1.5	1.6	8.9	8.6	8.5	3.6	3.5	3.5	2.2	2.0	2.1
Manufacturing.....	23.7	23.7	23.2	40.8	40.9	42.9	22.0	22.6	24.0	35.5	36.8	36.8
Trans. and pub. util...	1.9	1.9	1.9	12.4	12.6	12.5	2.8	2.9	2.8	2.8	2.8	2.7
Trade.....	6.1	6.2	6.0	25.5	25.6	25.1	13.7	13.7	13.0	10.0	10.2	9.8
Finance.....	.9	.9	.9	7.5	7.4	7.3	2.8	2.8	2.7	1.8	1.8	1.7
Services.....	4.0	4.0	4.0	23.4	23.6	23.0	12.6	12.6	12.1	8.0	8.0	7.7
Government.....	3.1	3.1	3.0	12.3	12.4	11.6	6.7	6.2	6.1	6.1	6.2	6.1
DELAWARE												
DISTRICT OF COLUMBIA												
FLORIDA												
	Wilmington			Washington			Jacksonville			Miami		
TOTAL	158.9	157.2	153.4	870.3	868.8	853.7	150.0	150.9	148.4	323.2	326.9	319.5
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	11.7	11.1	11.3	64.8	63.2	66.6	10.0	10.0	10.2	20.6	19.6	21.4
Manufacturing.....	63.7	63.0	61.7	37.8	37.4	37.0	21.3	21.0	21.0	46.1	46.4	44.6
Trans. and pub. util...	9.1	9.3	9.3	48.8	47.9	47.3	15.9	15.6	15.5	35.2	34.6	33.4
Trade.....	27.4	27.5	26.6	169.1	169.6	160.7	42.5	42.7	42.1	91.9	91.7	91.4
Finance.....	6.1	6.1	5.9	50.8	50.2	49.4	14.5	14.5	14.3	23.3	23.2	22.9
Service.....	21.5	20.7	20.6	166.5	167.7	164.4	21.8	21.7	21.4	67.1	67.1	67.1
Government.....	19.4	19.5	18.0	332.5	332.8	328.3	24.0	25.4	23.9	39.0	44.3	38.7
FLORIDA - Continued												
GEORGIA												
HAWAII												
	Tampa - St. Petersburg			Atlanta			Savannah			Honolulu		
TOTAL	214.3	216.9	205.8	444.9	442.2	423.8	55.7	55.8	53.6	183.0	179.6	176.0
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	19.0	19.0	19.0	33.6	33.0	29.1	3.8	3.7	3.4	13.3	13.1	13.3
Manufacturing.....	40.0	40.6	36.7	100.8	99.8	96.4	14.6	14.4	14.2	24.8	22.6	23.3
Trans. and pub. util...	16.0	16.1	14.5	39.5	39.1	39.0	5.8	5.9	6.1	13.6	13.6	13.2
Trade.....	61.4	61.2	59.5	114.2	113.0	109.0	12.5	12.5	11.5	42.5	41.7	39.6
Finance.....	13.1	13.0	13.0	33.0	32.8	31.8	2.8	2.8	3.0	10.3	10.2	10.2
Service.....	34.2	34.3	33.7	61.8	61.6	58.7	8.0	7.8	7.4	32.3	31.8	30.9
Government.....	30.6	32.7	29.4	62.0	62.9	59.8	8.2	8.7	8.0	46.2	46.6	45.5
IDAHO												
ILLINOIS												
	Boise			Chicago			Davenport - Rock Island - Moline			Peoria		
TOTAL	30.5	30.5	29.9	2,531.9	2,542.4	2,503.6	115.4	117.5	112.1	110.8	110.7	103.7
Mining.....	(1)	(1)	(1)	6.9	6.9	6.5	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	2.1	2.1	2.2	106.3	106.1	108.8	3.7	5.5	6.1	7.1	6.9	6.3
Manufacturing.....	3.0	3.0	2.7	863.9	867.2	849.9	45.4	45.3	41.7	43.4	43.5	39.6
Trans. and pub. util...	2.8	2.8	2.9	196.5	193.6	195.7	6.3	6.4	6.6	6.3	6.4	6.4
Trade.....	8.6	8.6	8.6	538.5	541.2	537.6	24.2	24.2	23.3	24.1	24.3	22.6
Finance.....	2.2	2.2	2.1	158.4	157.4	158.3	4.6	4.5	4.4	4.2	4.2	4.1
Service.....	4.4	4.4	4.3	403.1	404.1	393.8	13.7	13.9	12.8	13.9	13.8	13.5
Government.....	7.4	7.4	7.1	258.3	266.0	253.1	17.6	17.8	17.1	11.6	11.6	11.2
ILLINOIS - Continued												
INDIANA												
	Rockford			Evansville			Fort Wayne			Indianapolis		
TOTAL	86.3	86.1	83.4	67.4	67.4	67.7	92.5	92.4	91.0	310.1	311.5	307.6
Mining.....	(2)	(2)	(2)	1.7	1.6	1.6	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.6	4.6	4.5	3.0	3.1	3.3	4.6	4.4	4.8	14.9	14.5	15.2
Manufacturing.....	45.1	44.9	43.5	26.1	26.0	26.0	38.1	38.1	37.0	105.9	105.8	104.0
Trans. and pub. util...	3.1	3.1	3.1	4.5	4.5	4.5	6.8	6.7	6.7	22.1	22.0	21.9
Trade.....	15.7	15.8	15.2	14.9	14.8	14.9	19.7	19.8	20.0	66.6	67.2	66.4
Finance.....	2.8	2.8	2.7	2.5	2.5	2.6	5.0	4.9	4.9	21.9	21.7	21.6
Service.....	9.4	9.3	9.1	8.9	8.9	9.0	10.6	10.8	10.4	34.7	35.0	34.3
Government.....	5.6	5.6	5.3	5.8	6.0	5.8	7.7	7.7	7.2	44.0	45.3	44.2

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	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	INDIANA - Continued			IOWA			KANSAS					
	South Bend			Des Moines			Topeka			Wichita		
TOTAL	76.8	77.1	78.3	105.6	105.7	104.2	50.8	50.5	49.6	130.6	131.2	125.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.1	.1	.1	2.6	2.7	2.6
Contract construction..	3.2	3.2	3.3	5.5	5.2	4.6	3.3	3.0	3.3	7.1	7.0	6.5
Manufacturing.....	29.9	30.0	32.2	22.1	22.2	22.1	7.0	7.0	6.8	45.3	45.4	42.1
Trans. and pub. util...	3.7	3.6	3.8	8.1	8.0	8.1	7.0	7.0	7.0	7.4	7.4	7.2
Trade.....	16.3	16.2	16.2	26.4	26.7	26.2	10.4	10.4	10.0	28.8	28.7	28.5
Finance.....	4.5	4.4	4.5	12.1	12.1	12.2	2.9	2.9	2.9	6.1	6.1	6.1
Service.....	12.6	12.7	11.9	16.4	16.5	16.0	7.9	7.9	7.6	18.9	18.8	17.9
Government.....	6.6	7.0	6.4	15.2	15.2	15.1	12.3	12.4	12.0	14.5	15.3	14.7
	KENTUCKY			LOUISIANA								
	Louisville			Baton Rouge			New Orleans			Shreveport		
TOTAL	257.6	259.3	253.4	72.2	72.5	71.1	308.6	307.8	297.6	75.4	75.4	74.1
Mining.....	(1)	(1)	(1)	.3	.3	.3	9.8	9.6	9.5	5.6	5.6	5.4
Contract construction..	15.2	14.6	15.3	7.0	7.3	7.5	20.9	20.6	19.0	6.4	6.3	6.2
Manufacturing.....	89.5	90.1	86.9	15.6	15.6	15.8	54.2	53.2	50.3	9.7	9.9	9.5
Trans. and pub. util...	20.4	20.5	20.6	4.4	4.3	4.3	41.5	41.4	40.1	8.6	8.5	8.6
Trade.....	55.1	54.8	54.7	15.7	15.6	15.3	75.0	75.1	72.5	20.0	20.0	19.5
Finance.....	13.0	13.0	13.2	3.8	3.8	3.7	18.4	18.3	18.6	3.9	3.9	3.9
Service.....	37.0	37.2	36.3	9.8	9.9	9.2	49.9	49.9	48.3	10.5	10.5	10.4
Government.....	27.4	29.1	26.4	15.7	15.9	15.0	38.9	39.8	39.4	10.7	10.6	10.7
	MAINE			MARYLAND			MASSACHUSETTS					
	Lewiston-- Auburn			Portland			Baltimore			Boston		
TOTAL	25.1	25.4	26.0	57.7	56.4	57.0	647.1	645.3	639.3	1,111.7	1,119.3	1,105.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.9	.9	.9	(1)	(1)	(1)
Contract construction..	1.3	1.3	1.3	3.4	3.2	3.4	42.3	40.8	41.5	61.0	59.2	55.6
Manufacturing.....	11.7	11.9	12.9	14.6	13.6	14.4	186.9	187.2	192.6	273.8	276.4	283.6
Trans. and pub. util...	.9	.9	.9	5.6	5.5	5.5	54.7	54.6	54.2	65.3	66.0	55.8
Trade.....	5.3	5.3	5.2	15.3	15.2	15.2	133.6	129.4	130.1	246.1	249.8	243.9
Finance.....	.8	.8	.8	4.2	4.1	4.1	35.9	35.7	34.7	76.8	76.2	76.5
Service.....	3.5	3.5	3.4	9.0	8.9	9.0	96.6	96.9	92.9	238.2	240.1	229.9
Government.....	1.6	1.7	1.5	5.6	5.9	5.4	96.2	99.8	92.4	150.5	151.6	150.5
	MASSACHUSETTS - Continued											
	Fall River			New Bedford			Springfield - Chicopee - Holyoke			Worcester		
TOTAL	39.6	41.0	42.4	49.7	50.3	50.5	174.1	174.9	170.5	115.2	116.4	114.3
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	(1)	(1)	(1)	1.6	1.6	1.7	7.2	6.9	6.0	4.7	4.7	4.8
Manufacturing.....	20.0	21.2	22.5	25.2	25.9	25.9	68.5	69.3	65.5	47.0	47.8	46.4
Trans. and pub. util...	1.5	1.5	1.8	2.3	2.4	2.3	7.7	7.7	8.0	4.2	4.2	4.2
Trade.....	7.7	7.8	7.6	9.0	9.1	8.9	33.5	34.0	33.9	20.9	21.5	21.3
Finance.....	(1)	(1)	(1)	(1)	(1)	(1)	8.6	8.5	8.6	5.7	5.6	5.6
Service.....	7.2	7.2	7.2	7.4	7.2	7.5	27.4	27.2	27.3	18.1	18.1	17.6
Government.....	3.2	3.3	3.3	4.2	4.1	4.2	21.2	21.3	21.2	14.6	14.5	14.4
	MICHIGAN											
	Detroit			Flint			Grand Rapids			Lansing		
TOTAL	1,246.1	1,256.8	1,204.3	128.4	130.4	124.1	121.1	124.0	120.6	96.4	98.1	92.6
Mining.....	.9	.9	.8	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	56.8	49.0	51.9	4.8	4.6	4.6	7.3	7.0	7.1	3.9	3.7	4.6
Manufacturing.....	509.5	526.0	493.3	74.7	76.4	71.9	50.4	52.5	50.6	33.2	33.3	30.0
Trans. and pub. util...	67.5	67.7	67.5	4.5	4.6	4.3	8.2	8.2	8.3	3.3	3.3	3.1
Trade.....	243.3	245.3	230.4	18.3	18.3	18.0	26.1	26.5	25.4	17.0	17.1	16.7
Finance.....	55.8	55.7	54.1	3.0	2.9	2.8	5.3	5.2	5.2	3.3	3.3	3.4
Service.....	170.1	170.6	165.5	11.6	11.8	11.4	14.4	14.8	14.5	9.9	9.9	9.8
Government.....	142.2	141.8	140.8	11.5	11.7	11.1	9.4	9.9	9.5	25.8	27.6	24.9

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

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

(In thousands)

Industry division	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963		
	MICHIGAN - Continued						MINNESOTA							
	Muskegon - Muskegon Heights			Saginaw			Duluth - Superior			Minneapolis - St. Paul				
TOTAL	45.2	44.8	46.3	59.8	59.8	56.3	50.6	50.4	51.1	612.1	613.8	598.9		
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Contract construction..	1.5	1.4	1.4	3.1	3.2	2.9	2.6	2.5	2.6	37.9	36.7	37.8		
Manufacturing.....	23.5	23.5	24.7	27.6	27.9	25.0	9.6	9.6	9.5	162.5	161.7	159.4		
Trans. and pub. util...	2.4	2.3	2.5	4.8	4.7	4.5	8.3	8.0	8.9	49.9	49.7	49.1		
Trade.....	7.4	7.1	7.5	11.5	11.4	11.3	11.2	11.3	11.3	150.3	149.5	146.2		
Finance.....	1.2	1.2	1.1	1.6	1.6	1.5	2.0	2.0	2.0	38.0	37.7	38.5		
Service.....	4.7	4.6	4.5	6.4	6.5	6.2	9.1	8.9	9.2	96.2	97.2	93.5		
Government.....	4.5	4.6	4.6	5.0	4.7	4.8	7.9	8.1	7.6	77.3	81.2	74.3		
MISSISSIPPI						MISSOURI						MONTANA		
	Jackson			Kansas City			St. Louis			Billings				
TOTAL	71.4	72.2	70.4	425.2	423.9	417.5	763.2	763.4	749.2	24.1	24.3	23.6		
Mining.....	1.2	1.2	1.2	.6	.6	.6	2.7	2.7	2.7	(1)	(1)	(1)		
Contract construction..	5.0	5.2	4.9	25.4	24.7	24.7	40.9	39.1	38.7	1.8	1.8	1.5		
Manufacturing.....	11.6	11.6	11.3	116.3	116.1	111.1	263.5	263.0	258.4	2.7	2.7	2.7		
Trans. and pub. util...	4.6	4.6	4.7	44.9	44.7	45.5	63.1	63.2	63.5	2.5	2.5	2.6		
Trade.....	16.5	16.5	16.5	105.8	105.4	104.9	156.7	156.0	153.7	7.7	7.6	7.4		
Finance.....	5.4	5.4	5.3	28.0	28.0	27.8	40.9	40.5	40.2	1.4	1.4	1.4		
Service.....	11.3	11.4	11.3	56.8	56.8	56.4	110.7	111.6	109.1	4.4	4.5	4.3		
Government.....	15.7	16.3	15.3	47.4	47.6	46.5	84.7	87.3	82.9	3.6	3.8	3.7		
MONTANA - Continued						NEBRASKA			NEVADA			NEW HAMPSHIRE		
	Great Falls			Omaha			Reno			Manchester				
TOTAL	23.3	22.6	24.1	171.2	170.6	169.2	45.6	44.7	42.1	42.4	43.0	42.4		
Mining.....	(1)	(1)	(1)	(2)	(2)	(2)	(3)	(3)	(3)	(1)	(1)	(1)		
Contract construction..	2.3	1.9	2.6	10.7	10.2	11.3	5.4	5.4	4.7	2.3	2.2	2.3		
Manufacturing.....	3.2	3.2	3.9	35.9	36.2	35.4	2.5	2.5	2.5	16.1	16.4	16.4		
Trans. and pub. util...	2.2	2.2	2.2	20.9	20.6	20.9	4.0	3.9	3.8	2.7	2.7	2.7		
Trade.....	6.0	5.9	5.8	40.0	40.0	39.8	9.9	9.6	8.8	9.0	9.2	9.1		
Finance.....	1.3	1.3	1.3	14.5	14.3	14.1	2.3	2.3	2.0	2.6	2.6	2.5		
Service.....	4.1	3.9	4.2	26.5	27.2	26.0	14.3	13.6	13.6	6.2	6.3	5.8		
Government.....	4.2	4.2	4.1	22.7	22.3	21.9	7.2	7.4	6.7	3.5	3.6	3.5		
NEW JERSEY														
	Jersey City ⁴			Newark ⁴			Paterson - Clifton - Passaic ⁴			Perth Amboy ⁴				
TOTAL	248.3	249.5	253.1	681.2	681.7	679.7	393.5	396.6	392.3	191.3	193.9	191.2		
Mining.....	-	-	-	.9	.9	.8	.5	.5	.5	.9	.8	.8		
Contract construction..	5.9	5.7	6.2	30.3	29.1	29.7	23.1	22.2	21.3	11.4	11.1	10.2		
Manufacturing.....	112.7	113.1	115.7	233.6	233.6	237.8	160.3	162.4	166.7	87.1	89.3	91.5		
Trans. and pub. util...	34.8	35.1	35.9	50.4	50.1	51.8	22.0	22.5	22.8	9.3	9.6	9.5		
Trade.....	35.3	35.8	35.4	135.4	136.7	134.9	85.8	86.9	83.1	33.0	33.4	31.5		
Finance.....	9.0	8.9	8.8	47.5	46.7	47.3	14.6	14.3	14.0	4.0	3.9	3.9		
Service.....	24.4	24.4	24.3	108.8	108.5	105.8	51.4	51.4	49.8	19.8	19.7	18.4		
Government.....	26.2	26.5	26.8	74.3	76.1	71.6	35.8	36.4	34.1	25.8	26.1	25.4		
NEW JERSEY - Continued						NEW MEXICO			NEW YORK					
	Trenton			Albuquerque			Albany - Schenectady - Troy			Binghamton				
TOTAL	111.8	112.5	110.8	91.7	92.1	88.0	232.8	233.3	232.0	78.8	78.3	78.2		
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)		
Contract construction..	4.5	4.4	4.4	8.1	7.8	7.8	10.8	10.1	10.4	3.7	3.6	3.9		
Manufacturing.....	38.5	38.9	38.3	9.0	9.1	8.7	60.5	60.5	62.7	35.5	34.9	35.1		
Trans. and pub. util...	6.2	6.3	6.3	6.6	6.6	6.6	13.8	13.6	13.9	3.9	3.8	3.9		
Trade.....	19.3	19.3	18.8	21.4	21.2	20.4	47.0	47.0	46.4	13.3	13.2	13.3		
Finance.....	4.3	4.3	4.3	5.9	5.8	5.7	9.7	9.7	9.7	2.6	2.5	2.6		
Service.....	17.8	18.1	18.1	20.8	20.9	19.8	37.8	38.1	36.3	8.4	8.5	8.2		
Government.....	21.1	21.1	20.5	19.9	20.7	19.0	53.2	54.3	52.6	11.5	11.9	11.2		

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	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	NEW YORK - Continued														
	Buffalo			Elmira ⁵			Nassau and Suffolk Counties ⁶			New York-Northeastern New Jersey					
TOTAL	442.6	442.9	432.4	32.8	32.7	33.1	523.1	529.7	529.5	5,880.8	5,932.8	5,839.2			
Mining.....	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)	4.9	4.7	4.7			
Contract construction..	20.8	20.2	17.8	-	-	-	35.7	36.2	38.6	250.5	250.4	263.1			
Manufacturing.....	171.5	170.3	166.8	14.0	13.8	14.4	131.4	133.0	141.4	1,669.5	1,681.2	1,701.8			
Trans. and pub. util...	32.2	32.0	32.4	-	-	-	25.6	25.7	24.2	472.9	472.9	472.9			
Trade.....	85.4	85.8	84.7	6.2	6.1	6.3	128.2	129.4	125.5	1,212.4	1,229.2	1,188.6			
Finance.....	16.6	16.4	16.5	-	-	-	22.7	22.5	22.0	511.9	507.1	508.2			
Service.....	57.9	57.9	57.2	-	-	-	90.0	88.9	90.5	1,017.4	1,025.7	980.4			
Government.....	58.2	60.3	57.0	-	-	-	89.7	94.0	87.3	741.6	761.6	719.5			
NEW YORK - Continued															
	New York SMSA ⁴			New York City ⁶			Rochester			Syracuse					
TOTAL	4,366.5	4,411.1	4,322.9	3,541.0	3,581.2	3,505.6	254.0	246.8	241.5	190.1	191.4	189.7			
Mining.....	2.6	2.5	2.6	1.9	1.8	1.9	(1)	(1)	(1)	(1)	(1)	(1)			
Contract construction..	179.8	182.3	195.7	124.5	126.6	138.6	13.6	8.5	12.5	10.0	10.2	10.1			
Manufacturing.....	1,075.8	1,082.8	1,090.1	863.8	869.9	871.8	116.2	114.0	109.9	63.2	62.5	64.4			
Trans. and pub. util...	356.4	355.6	352.9	313.3	312.4	311.2	11.1	10.8	10.7	12.9	12.6	12.7			
Trade.....	922.9	936.4	903.7	730.2	742.6	717.3	44.3	44.9	42.5	40.1	40.2	39.6			
Finance.....	436.8	433.3	434.2	400.3	397.1	398.5	9.0	8.9	8.8	9.7	9.6	9.6			
Service.....	813.0	821.7	782.1	659.2	671.9	633.4	34.5	34.3	32.4	28.1	28.9	27.4			
Government.....	579.5	596.5	561.6	447.7	459.0	432.9	25.4	25.5	24.7	26.1	27.4	26.0			
NEW YORK - Continued															
	Utica - Rome			Westchester County ⁶			Charlotte			Greensboro - High Point					
TOTAL	101.8	102.0	104.2	258.0	256.9	246.3	118.9	118.5	115.8	-	-	-			
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-			
Contract construction..	3.2	3.1	3.3	16.8	16.9	16.3	8.5	8.6	8.4	6.3	6.3	6.5			
Manufacturing.....	35.9	35.7	37.8	68.1	67.5	64.5	28.6	28.6	28.2	44.3	44.6	44.3			
Trans. and pub. util...	5.5	5.5	5.5	15.4	15.4	15.6	13.9	13.8	13.3	5.5	5.4	5.3			
Trade.....	16.8	16.8	17.1	56.2	56.6	53.8	32.4	32.4	32.4	21.1	21.1	20.5			
Finance.....	4.1	4.0	4.2	12.2	12.1	12.3	8.6	8.5	8.4	6.4	6.3	6.2			
Service.....	12.2	11.9	11.6	56.7	54.7	51.9	17.0	16.9	15.7	-	-	-			
Government.....	24.2	24.9	24.7	32.6	33.6	31.9	9.9	9.7	9.4	-	-	-			
NORTH CAROLINA - Continued															
	Winston - Salem			Fargo - Moorhead			Akron			Canton					
TOTAL	-	-	-	31.8	32.3	31.4	178.1	179.5	175.4	111.3	111.0	110.1			
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.5	.5	.5			
Contract construction..	-	-	-	2.6	2.5	2.9	6.9	6.7	7.1	4.7	4.4	4.4			
Manufacturing.....	35.1	34.8	36.6	2.4	2.4	2.3	80.2	80.9	79.2	53.3	53.2	53.4			
Trans. and pub. util...	-	-	-	3.0	2.9	2.9	12.7	12.7	12.6	5.8	5.8	5.8			
Trade.....	-	-	-	10.0	10.1	10.0	34.3	34.1	34.1	20.3	20.2	20.1			
Finance.....	-	-	-	2.3	2.3	2.2	5.6	5.5	5.4	4.0	4.0	3.8			
Service.....	-	-	-	5.3	5.5	5.1	22.7	23.0	21.7	13.3	13.5	13.1			
Government.....	-	-	-	6.4	6.6	6.0	15.6	16.5	15.2	9.4	9.5	9.0			
OHIO - Continued															
	Cincinnati			Cleveland			Columbus			Dayton					
TOTAL	392.4	394.5	397.5	709.0	706.8	707.1	281.8	282.7	276.8	262.9	264.5	253.8			
Mining.....	.3	.3	.3	.3	.3	.4	.8	.8	.8	.5	.5	.5			
Contract construction..	20.4	19.3	20.7	32.7	29.2	34.6	16.8	15.9	16.5	12.0	11.5	11.7			
Manufacturing.....	138.4	139.0	145.8	271.8	269.5	274.6	72.3	73.0	72.8	107.1	107.3	100.7			
Trans. and pub. util...	30.4	30.2	30.2	46.9	47.0	46.1	17.7	17.6	17.3	10.3	10.3	10.2			
Trade.....	82.4	82.5	81.9	143.6	143.6	142.9	57.4	57.2	57.4	45.5	45.4	45.3			
Finance.....	22.9	22.5	22.4	34.9	34.5	34.3	19.4	19.2	18.5	7.8	7.7	7.5			
Service.....	54.4	55.4	54.0	97.5	98.5	95.2	41.4	42.1	39.4	34.2	34.8	32.2			
Government.....	43.3	45.2	42.1	81.4	84.1	78.9	56.1	56.9	54.1	45.6	47.0	45.8			

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)											
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	OHIO Continued						OKLAHOMA					
	Toledo			Youngstown - Warren			Oklahoma City			Tulsa		
TOTAL	159.7	161.4	158.3	161.0	161.2	158.7	201.4	202.5	196.1	146.2	145.3	137.8
Mining.....	.2	.2	.2	.4	.4	.4	6.9	6.9	6.7	13.4	13.3	13.1
Contract construction..	7.5	7.1	7.9	7.5	7.2	7.2	16.6	16.4	15.1	12.0	11.2	9.0
Manufacturing.....	59.9	60.3	58.8	75.8	75.7	73.8	25.7	25.5	24.3	31.6	31.5	28.1
Trans. and pub. util...	12.6	12.5	12.9	8.9	8.9	8.6	13.2	13.1	13.5	14.4	14.3	14.0
Trade.....	34.7	34.5	34.9	28.5	28.4	28.8	47.8	47.8	46.2	33.2	33.1	32.1
Finance.....	6.3	6.3	6.0	4.4	4.3	4.4	13.1	13.2	12.8	7.2	7.5	7.3
Service.....	23.7	24.2	23.2	20.2	20.6	20.0	27.3	27.3	26.9	20.4	20.4	20.5
Government.....	14.8	16.3	14.4	15.2	15.6	15.4	50.8	52.3	50.6	14.0	14.0	13.7
	OREGON			PENNSYLVANIA								
	Portland			Allentown - Bethlehem - Easton			Altoona			Erie		
TOTAL	293.1	290.5	285.2	187.1	187.5	185.3	41.6	41.7	41.6	81.6	81.9	78.1
Mining.....	(1)	(1)	(1)	.5	.5	.5	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	16.1	14.9	15.9	7.2	7.0	7.1	1.6	1.5	1.4	2.7	2.7	2.7
Manufacturing.....	71.8	68.4	68.6	95.3	95.5	94.8	12.4	12.3	12.2	39.3	39.1	36.2
Trans. and pub. util...	27.6	26.9	27.5	10.6	10.6	11.0	9.2	9.2	9.5	4.8	4.8	4.9
Trade.....	73.6	73.1	70.8	29.9	30.1	29.8	6.9	6.9	7.1	13.7	13.7	13.6
Finance.....	17.7	17.6	17.3	5.4	5.4	5.3	1.1	1.1	1.1	2.7	2.7	2.6
Service.....	44.0	44.7	43.2	23.2	23.1	22.2	5.8	5.8	5.7	10.5	10.6	10.5
Government.....	42.3	44.9	41.9	15.0	15.3	14.6	4.6	4.9	4.6	7.9	8.3	7.6
	PENNSYLVANIA - Continued											
	Harrisburg			Johnstown			Lancaster			Philadelphia		
TOTAL	150.3	149.2	147.6	70.0	69.9	68.7	100.6	100.7	98.4	1,526.1	1,538.4	1,518.1
Mining.....	(1)	(1)	(1)	4.8	4.8	5.1	(1)	(1)	(1)	1.4	1.4	1.4
Contract construction..	7.2	6.9	6.2	2.5	2.4	2.5	5.9	5.7	5.1	80.1	79.2	71.6
Manufacturing.....	34.2	34.0	34.2	25.2	25.1	24.2	49.2	48.9	48.0	533.6	529.3	536.0
Trans. and pub. util...	11.6	11.6	11.9	4.7	4.6	4.7	4.9	4.9	4.9	106.7	107.2	108.4
Trade.....	26.1	25.6	26.1	11.5	11.6	11.6	17.1	17.2	17.3	299.0	302.1	297.0
Finance.....	6.6	6.5	6.4	1.7	1.7	1.7	2.4	2.4	2.4	85.5	84.9	86.2
Service.....	20.2	20.0	19.7	9.9	9.9	9.8	13.5	13.2	13.1	229.3	234.8	229.3
Government.....	44.4	44.6	43.0	9.7	9.8	9.1	7.6	8.4	7.6	190.5	199.5	188.2
	PENNSYLVANIA - Continued											
	Pittsburgh			Reading			Scranton			Wilkes-Barre - Hazleton		
TOTAL	770.4	769.8	759.6	104.2	104.8	103.5	75.8	76.5	74.7	105.8	106.6	105.0
Mining.....	9.5	9.5	10.5	(1)	(1)	(1)	1.2	1.2	1.2	4.1	4.1	4.5
Contract construction..	35.4	34.5	36.2	4.4	4.0	4.2	1.8	1.7	1.8	3.4	3.3	4.1
Manufacturing.....	281.3	279.7	277.6	51.1	51.6	50.7	31.5	32.1	30.2	45.3	45.4	44.3
Trans. and pub. util...	55.8	55.6	55.3	5.6	5.6	5.8	5.8	5.9	6.0	5.9	5.9	6.0
Trade.....	146.5	147.6	144.4	15.8	15.8	15.6	13.9	13.9	14.1	18.4	18.6	18.5
Finance.....	33.7	33.3	32.9	4.3	4.3	4.2	2.4	2.4	2.4	3.6	3.5	3.5
Service.....	128.2	128.1	125.8	13.6	13.8	13.6	10.9	11.0	10.9	12.5	12.8	12.0
Government.....	80.0	81.5	76.9	9.4	9.7	9.4	8.3	8.3	8.1	12.6	13.0	12.1
	PENNSYLVANIA - Continued			RHODE ISLAND			SOUTH CAROLINA					
	York			Providence - Pawtucket - Warwick			Charleston			Columbia		
TOTAL	88.7	88.5	85.1	304.8	308.5	304.1	62.3	62.3	60.7	78.3	78.3	75.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	5.1	5.0	4.5	13.8	13.3	14.3	4.8	4.6	4.7	5.8	5.7	5.6
Manufacturing.....	44.2	43.6	40.7	127.0	129.5	128.0	10.3	10.3	9.9	16.1	16.2	15.6
Trans. and pub. util...	5.0	5.0	4.9	14.4	14.5	14.5	4.4	4.5	4.4	4.8	4.8	4.8
Trade.....	15.8	15.8	15.2	55.4	56.1	54.7	12.9	12.9	12.4	16.9	16.9	16.3
Finance.....	2.0	2.0	2.0	13.4	13.3	13.5	2.9	2.9	2.9	5.6	5.6	5.4
Service.....	9.4	9.5	9.5	42.9	42.9	42.6	7.2	7.2	7.0	9.8	9.8	9.6
Government.....	7.2	7.6	8.3	37.9	38.6	36.5	19.8	19.9	19.4	19.3	19.3	18.3

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	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	SOUTH CAROLINA - Continued			SOUTH DAKOTA			TENNESSEE					
	Greenville		Sioux Falls			Chattanooga			Knoxville			
TOTAL.....	92.1	92.4	89.8	29.8	29.6	30.0	99.1	98.6	93.6	123.9	123.0	119.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.2	.2	.2	1.6	1.6	1.7
Contract construction..	6.3	6.1	5.5	2.8	2.6	2.9	4.5	4.2	3.1	5.7	5.7	6.3
Manufacturing.....	46.3	46.4	45.5	5.4	5.3	5.4	41.9	41.8	39.2	44.0	43.7	42.9
Trans. and pub. util...	3.6	3.5	3.5	2.7	2.7	2.8	4.8	4.9	4.6	6.6	6.5	6.5
Trade.....	15.6	15.6	15.2	8.9	8.8	8.7	18.8	18.8	17.9	25.3	25.1	23.5
Finance.....	3.5	3.5	3.6	1.6	1.6	1.7	5.7	5.7	5.6	4.3	4.3	4.2
Service.....	9.7	9.6	9.6	5.0	4.9	4.8	11.7	11.6	11.5	14.7	14.5	14.0
Government.....	7.1	7.7	6.9	3.5	3.6	3.7	11.5	11.4	11.4	21.7	21.6	20.7
TENNESSEE - Continued			TEXAS									
	Memphis		Nashville			Dallas			Fort Worth			
TOTAL.....	212.3	212.1	207.3	169.6	169.0	165.2	458.0	454.6	441.2	-	-	-
Mining.....	.3	.3	.3	(1)	(1)	(1)	7.9	7.8	7.9	-	-	-
Contract construction..	12.7	12.8	12.8	10.3	10.0	9.6	30.8	29.9	32.8	-	-	-
Manufacturing.....	48.4	48.4	47.4	50.5	50.8	49.9	112.6	112.7	109.2	58.4	58.0	52.6
Trans. and pub. util...	16.4	16.4	15.8	10.8	10.7	10.6	37.8	37.6	37.8	-	-	-
Trade.....	55.4	55.4	53.6	36.0	35.7	34.7	127.6	125.0	118.8	-	-	-
Finance.....	12.2	12.0	11.6	11.7	11.6	11.5	38.3	38.0	37.0	-	-	-
Service.....	31.7	31.7	31.3	26.6	26.5	25.9	61.2	61.4	58.7	-	-	-
Government.....	35.2	35.1	34.5	23.7	23.7	23.0	41.8	42.2	38.9	-	-	-
TEXAS - Continued			UTAH			VERMONT						
	Houston		San Antonio			Salt Lake City ⁷			Burlington ⁵			
TOTAL.....	-	-	-	-	-	-	157.0	163.0	162.2	23.4	22.9	23.7
Mining.....	-	-	-	-	-	-	2.5	6.6	6.4	-	-	-
Contract construction..	-	-	-	12.1	12.0	12.3	11.5	11.1	11.7	-	-	-
Manufacturing.....	97.6	96.9	94.8	24.3	24.3	24.1	26.5	28.4	30.1	4.5	4.5	4.7
Trans. and pub. util...	-	-	-	9.6	9.6	9.7	14.0	13.9	13.9	1.7	1.6	1.6
Trade.....	-	-	-	-	-	-	42.5	42.4	42.1	5.5	5.5	5.4
Finance.....	-	-	-	12.3	12.3	12.0	9.9	9.9	9.8	-	-	-
Service.....	-	-	-	-	-	-	23.9	23.9	22.9	-	-	-
Government.....	-	-	-	53.3	53.2	52.7	26.2	26.8	25.3	-	-	-
VERMONT - Continued			VIRGINIA									
	Springfield ⁵		Newport News - Hampton			Norfolk - Portsmouth			Richmond			
TOTAL.....	13.1	12.8	12.7	79.4	79.3	76.6	162.9	164.4	160.6	186.2	188.2	180.7
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.4	.4	.3
Contract construction..	-	-	-	5.5	5.4	5.2	15.0	14.8	13.7	14.7	14.9	13.9
Manufacturing.....	6.8	6.7	6.6	26.3	25.6	24.8	17.9	17.8	16.9	45.7	45.9	44.0
Trans. and pub. util...	.7	.7	.7	4.1	4.2	4.0	14.3	14.2	15.0	15.2	15.3	15.1
Trade.....	1.8	1.7	1.6	12.4	12.3	12.1	39.4	39.4	38.4	43.5	43.4	41.7
Finance.....	-	-	-	2.4	2.4	2.4	6.6	6.6	6.5	15.5	15.2	15.0
Service.....	-	-	-	8.1	8.0	8.0	22.2	22.3	22.2	23.9	23.8	23.3
Government.....	-	-	-	20.6	21.4	20.1	47.4	49.2	47.8	27.3	29.3	27.4
VIRGINIA - Continued			WASHINGTON									
	Roanoke		Seattle - Everett			Spokane			Tacoma			
TOTAL.....	64.1	64.0	63.5	396.1	398.8	401.5	73.7	74.1	74.7	82.7	82.6	80.9
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.9	4.8	4.8	20.4	20.3	22.7	3.7	4.0	4.2	4.5	4.5	4.5
Manufacturing.....	15.0	15.2	15.0	110.9	110.3	117.8	13.0	12.8	12.9	18.2	17.6	16.8
Trans. and pub. util...	8.7	8.7	8.7	30.7	30.3	31.0	7.3	7.1	7.8	5.6	5.7	5.9
Trade.....	14.4	14.4	14.4	90.0	89.7	91.1	19.2	19.2	19.9	17.4	17.3	17.3
Finance.....	3.4	3.4	3.3	25.6	25.4	25.5	4.4	4.3	4.2	4.2	4.2	4.1
Service.....	10.1	10.0	9.7	56.2	55.9	54.9	13.0	13.1	12.8	12.4	12.3	12.2
Government.....	7.5	7.4	7.5	62.3	66.9	58.5	13.1	13.6	12.9	20.4	21.0	20.1

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

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

(In thousands)												
Industry division	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
	WEST VIRGINIA						WISCONSIN					
	Charleston			Huntington - Ashland			Wheeling			Green Bay		
TOTAL	74.9	75.4	75.9	72.7	72.2	69.5	51.0	51.4	50.1	41.7	41.3	41.0
Mining.....	3.5	3.5	3.8	.9	.9	1.0	2.6	2.6	2.5	(1)	(1)	(1)
Contract construction..	4.4	4.2	3.2	5.6	4.8	4.4	3.7	3.3	3.1	2.2	2.1	2.4
Manufacturing.....	21.0	21.1	22.4	25.2	24.9	24.4	15.8	16.4	16.2	14.2	13.6	13.9
Trans. and pub. util...	8.4	8.5	8.6	7.0	7.0	7.3	3.5	3.5	3.7	3.9	3.9	3.9
Trade.....	15.9	16.0	16.3	15.2	15.3	14.8	11.4	11.3	11.2	10.4	10.4	10.1
Finance.....	3.3	3.3	3.3	2.5	2.5	2.4	2.0	1.9	1.9	1.2	1.2	1.2
Service.....	9.5	9.5	9.7	7.7	7.8	7.4	7.6	7.6	7.3	5.8	5.8	5.5
Government.....	9.1	9.5	8.9	8.7	9.1	8.1	4.8	5.0	4.5	4.0	4.2	4.0
WISCONSIN - Continued												
	Kenosha			La Crosse			Madison			Milwaukee		
TOTAL	31.7	31.6	37.6	24.1	23.6	23.6	89.2	89.7	84.8	470.5	472.9	468.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.6	1.5	1.5	1.4	1.3	1.0	5.4	5.1	5.5	21.8	21.5	20.1
Manufacturing.....	16.0	16.1	22.3	7.9	7.6	7.9	14.3	14.0	13.7	190.3	190.7	194.9
Trans. and pub. util...	1.4	1.4	1.6	2.0	2.0	2.0	4.8	4.7	4.5	26.7	27.1	27.7
Trade.....	5.1	5.1	4.9	5.5	5.5	5.5	18.1	18.2	17.3	94.0	94.8	92.4
Finance.....	.7	.7	.6	.6	.6	.6	4.7	4.5	4.4	23.4	22.9	23.3
Service.....	3.8	3.8	3.8	4.3	4.2	4.2	12.4	12.4	11.9	62.8	63.4	61.1
Government.....	3.0	3.2	2.9	2.5	2.5	2.4	29.6	30.8	27.5	51.6	52.5	49.4
WISCONSIN - Continued												
	Racine			Casper			Cheyenne					
TOTAL	47.5	48.4	45.9	17.9	17.7	17.5	26.2	25.3	21.0			
Mining.....	(1)	(1)	(1)	3.2	3.2	3.4	(1)	(1)	(1)			
Contract construction..	1.9	1.9	1.9	1.8	1.8	1.4	8.9	8.1	4.9			
Manufacturing.....	22.5	23.2	21.8	1.5	1.5	1.6	2.2	2.2	1.3			
Trans. and pub. util...	1.9	1.9	1.8	1.6	1.6	1.8	2.5	2.4	2.5			
Trade.....	8.8	8.9	8.6	4.2	4.0	4.0	3.8	3.8	3.8			
Finance.....	1.4	1.4	1.3	.8	.8	.8	.9	.9	.9			
Service.....	6.1	6.1	5.9	2.3	2.3	2.1	2.8	2.8	2.6			
Government.....	5.0	5.1	4.7	2.5	2.5	2.4	5.1	5.1	5.0			

¹ Combined with service.

² Combined with construction.

³ Combined with manufacturing.

⁴ Area included in New York-Northeastern New Jersey Standard Consolidated Area.

⁵ Total includes data for industry divisions not shown separately.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

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

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.....	53.38	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: 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	112.47	41.5	2.71	90.52	39.7	2.28
June.....	103.48	40.9	2.53	113.01	41.7	2.71	90.97	39.9	2.28
July.....	102.72	40.6	2.53	111.92	41.3	2.71	91.14	39.8	2.29
August.....	103.07	40.9	2.52	112.32	41.6	2.70	91.20	40.0	2.28

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

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

Industry	Average weekly earnings					Average hourly earnings				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
MINING	-	\$116.76	\$118.44	\$115.08	\$112.06	-	\$2.80	\$2.80	\$2.74	\$2.72
METAL MINING	-	121.77	123.73	118.08	116.69	-	2.97	2.96	2.88	2.86
Iron ores	-	131.97	128.11	119.65	119.50	-	3.18	3.14	3.06	3.08
Copper ores	-	123.02	131.02	125.27	121.98	-	3.03	3.04	2.92	2.85
COAL MINING	-	120.34	131.86	118.18	108.19	-	(2)	3.28	3.11	(2)
Bituminous	-	122.54	134.87	119.32	110.21	-	(2)	3.33	3.14	(2)
CRUDE PETROLEUM AND NATURAL GAS	-	112.67	110.88	113.32	112.36	-	2.67	2.64	2.66	2.65
Crude petroleum and natural gas fields	-	121.30	117.56	119.31	120.30	-	2.93	2.91	2.91	2.92
Oil and gas field services	-	105.72	104.73	107.56	105.46	-	2.47	2.43	2.45	2.43
QUARRYING AND NONMETALLIC MINING	-	118.27	116.79	114.33	113.83	-	2.56	2.55	2.48	2.48
CONTRACT CONSTRUCTION	-	134.87	133.70	132.70	130.90	-	3.54	3.50	3.42	3.40
GENERAL BUILDING CONTRACTORS	-	123.74	123.34	122.02	120.62	-	3.39	3.37	3.28	3.26
HEAVY CONSTRUCTION	-	137.92	135.26	137.03	135.22	-	3.23	3.19	3.15	3.13
Highway and street construction	-	136.47	132.44	134.67	133.62	-	3.13	3.08	3.04	3.03
Other heavy construction	-	139.44	138.86	140.68	136.92	-	3.36	3.33	3.31	3.26
SPECIAL TRADE CONTRACTORS	-	140.99	139.50	137.25	136.14	-	3.79	3.74	3.66	3.64
MANUFACTURING	\$103.07	102.72	103.48	98.42	99.23	\$2.52	2.53	2.53	2.43	2.45
DURABLE GOODS	112.32	111.92	113.01	107.01	108.09	2.70	2.71	2.71	2.61	2.63
NONDURABLE GOODS	91.20	91.14	90.97	88.40	88.36	2.28	2.29	2.28	2.21	2.22
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	119.10	119.00	121.50	119.31	117.74	3.00	2.99	3.00	2.91	2.90
Ammunition, except for small arms	119.65	121.18	122.71	121.95	118.96	3.06	3.06	3.06	2.96	2.93
Sighting and fire control equipment	-	128.93	131.65	123.83	121.09	-	3.16	3.18	3.05	3.05
Other ordnance and accessories	115.14	112.80	117.96	114.24	114.93	2.85	2.82	2.87	2.80	2.81
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	89.38	87.48	87.72	84.45	82.42	2.18	2.16	2.15	2.08	2.03
Sawmills and planing mills	81.79	80.18	80.15	77.36	74.96	1.99	1.97	1.95	1.91	1.86
Sawmills and planing mills, general	-	81.61	82.00	78.59	76.19	-	2.01	2.00	1.95	1.90
Millwork, plywood, and related products	93.83	92.93	94.05	90.06	89.66	2.25	2.25	2.25	2.17	2.15
Millwork	-	90.98	91.46	91.74	90.06	-	2.23	2.22	2.20	2.17
Veneer and plywood	-	95.11	97.13	87.97	89.04	-	2.27	2.28	2.13	2.12
Wooden containers	69.20	70.07	71.34	69.64	70.14	1.73	1.73	1.74	1.67	1.67
Wooden boxes, shooks, and crates	-	70.11	70.14	68.62	69.63	-	1.71	1.69	1.63	1.65
Miscellaneous wood products	78.12	76.17	77.49	74.89	74.48	1.91	1.89	1.89	1.84	1.83
FURNITURE AND FIXTURES	85.68	82.82	83.43	83.20	81.19	2.04	2.03	2.03	2.00	1.99
Household furniture	81.48	78.55	79.32	78.62	76.52	1.94	1.93	1.93	1.89	1.88
Wood house furniture, upholstered	-	74.28	75.18	73.35	72.31	-	1.79	1.79	1.73	1.73
Wood house furniture, upholstered	-	82.71	84.16	83.42	80.52	-	2.11	2.12	2.07	2.07
Mattresses and bedsprings	-	87.42	85.81	89.03	85.06	-	2.18	2.14	2.13	2.09
Office furniture	-	98.53	95.71	96.23	94.71	-	2.38	2.34	2.33	2.31
Partitions; office and store fixtures	-	107.71	105.18	109.10	107.64	-	2.64	2.61	2.61	2.60
Other furniture and fixtures	89.25	86.31	86.52	85.90	82.21	2.11	2.10	2.10	2.05	2.04
STONE, CLAY, AND GLASS PRODUCTS	107.36	107.36	107.36	104.33	104.33	2.55	2.55	2.55	2.49	2.49
Flat glass	-	140.83	146.86	133.00	133.45	-	3.41	3.48	3.35	3.37
Glass and glassware, pressed or blown	102.31	102.97	102.47	100.90	100.25	2.52	2.53	2.53	2.51	2.50
Glass containers	-	105.47	104.70	101.25	102.00	-	2.56	2.56	2.50	2.50
Pressed and blown glassware, o.e.c.	-	99.20	98.95	100.04	97.64	-	2.48	2.48	2.52	2.51
Cement, hydraulic	123.43	124.91	122.90	116.47	118.86	2.96	2.96	2.94	2.82	2.83
Structural clay products	92.80	91.94	92.82	90.69	90.71	2.22	2.21	2.21	2.18	2.17
Brick and structural clay tile	-	87.74	89.20	86.88	87.26	-	2.05	2.06	2.03	2.02
Pottery and related products	-	93.22	94.33	87.85	89.01	-	2.36	2.37	2.27	2.30
Concrete, gypsum, and plaster products	112.27	112.33	111.57	111.15	110.45	2.54	2.53	2.53	2.47	2.46
Other stone and mineral products	108.20	106.08	107.78	103.25	104.00	2.57	2.55	2.56	2.50	2.50
Abrasive products	-	108.53	109.71	102.26	104.34	-	2.66	2.65	2.55	2.57

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

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

Industry	Average weekly hours					Average overtime hours				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
MINING	-	41.7	42.3	42.0	41.2	-	-	-	-	-
METAL MINING	-	41.0	41.8	41.0	40.8	-	-	-	-	-
Iron ores	-	41.5	40.8	39.1	38.8	-	-	-	-	-
Copper ores	-	40.6	43.1	42.9	42.8	-	-	-	-	-
COAL MINING	-	(2)	40.2	38.0	(2)	-	-	-	-	-
Bituminous	-	(2)	40.5	38.0	(2)	-	-	-	-	-
CRUDE PETROLEUM AND NATURAL GAS	-	42.2	42.0	42.6	42.4	-	-	-	-	-
Crude petroleum and natural gas fields	-	41.4	40.4	41.0	41.2	-	-	-	-	-
Oil and gas field services	-	42.8	43.1	43.9	43.4	-	-	-	-	-
QUARRYING AND NONMETALLIC MINING	-	46.2	45.8	46.1	45.9	-	-	-	-	-
CONTRACT CONSTRUCTION	-	38.1	38.2	38.8	38.5	-	-	-	-	-
GENERAL BUILDING CONTRACTORS	-	36.5	36.6	37.2	37.0	-	-	-	-	-
HEAVY CONSTRUCTION	-	42.7	42.4	43.5	43.2	-	-	-	-	-
Highway and street construction	-	43.6	43.0	44.3	44.1	-	-	-	-	-
Other heavy construction	-	41.5	41.7	42.5	42.0	-	-	-	-	-
SPECIAL TRADE CONTRACTORS	-	37.2	37.3	37.5	37.4	-	-	-	-	-
MANUFACTURING	40.9	40.6	40.9	40.5	40.5	3.3	3.0	3.2	2.9	2.9
DURABLE GOODS	41.6	41.3	41.7	41.0	41.1	3.4	3.2	3.4	3.0	2.9
NONDURABLE GOODS	40.0	39.8	39.9	40.0	39.8	3.0	2.8	2.9	2.8	2.8
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	39.7	39.8	40.5	41.0	40.6	-	1.5	2.0	2.7	2.4
Ammunition, except for small arms	39.1	39.6	40.1	41.2	40.6	-	1.5	1.7	2.8	2.8
Sighting and fire control equipment	-	40.8	41.4	40.6	39.7	-	1.6	2.2	2.0	.5
Other ordnance and accessories	40.4	40.0	41.1	40.8	40.9	-	1.6	2.4	2.6	2.1
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	41.0	40.5	40.8	40.6	40.6	-	3.5	3.5	4.0	3.7
Sawmills and planing mills	41.1	40.7	41.1	40.5	40.3	-	3.4	3.5	3.9	3.8
Sawmills and planing mills, general	-	40.6	41.0	40.3	40.1	-	-	-	-	-
Millwork, plywood, and related products	41.7	41.3	41.8	41.5	41.7	-	3.3	3.9	4.2	4.0
Millwork	-	40.8	41.2	41.7	41.5	-	-	-	-	-
Veneer and plywood	-	41.9	42.6	41.3	42.0	-	-	-	-	-
Wooden containers	40.0	40.5	41.0	41.7	42.0	-	3.3	3.3	3.7	4.2
Wooden boxes, sbook, and crates	-	41.0	41.5	42.1	42.2	-	-	-	-	-
Miscellaneous wood products	40.9	40.3	41.0	40.7	40.7	-	3.1	3.4	3.2	2.7
FURNITURE AND FIXTURES	42.0	40.8	41.1	41.6	40.8	-	3.1	3.2	3.5	2.9
Household furniture	42.0	40.7	41.1	41.6	40.7	-	3.1	3.3	3.4	2.9
Wood house furniture, unupholstered	-	41.8	42.0	42.4	41.8	-	-	-	-	-
Wood house furniture, upholstered	-	39.2	39.7	40.3	38.9	-	-	-	-	-
Mattresses and bedsprings	-	40.1	40.1	41.8	40.7	-	-	-	-	-
Office furniture	-	41.4	40.9	41.3	41.0	-	2.6	2.4	2.7	2.3
Partitions; office and store fixtures	-	40.8	40.3	41.8	41.4	-	3.3	2.8	3.4	3.1
Other furniture and fixtures	42.3	41.1	41.2	41.9	40.3	-	3.4	3.0	4.1	3.0
STONE, CLAY, AND GLASS PRODUCTS	42.1	42.1	42.1	41.9	41.9	-	4.1	4.1	4.0	4.0
Flint glass	-	41.3	42.2	39.7	39.6	-	2.9	3.2	1.9	2.2
Glass and glassware, pressed or blown	40.6	40.7	40.5	40.2	40.1	-	3.8	3.3	3.5	3.4
Glass containers	-	41.2	40.9	40.5	40.8	-	-	-	-	-
Pressed and blown glassware, n.e.c.	-	40.0	39.9	39.7	38.9	-	-	-	-	-
Cement, hydraulic	41.7	42.2	41.6	41.3	42.0	-	2.3	2.3	2.2	2.4
Structural clay products	41.8	41.6	42.0	41.6	41.8	-	3.6	3.6	3.4	3.6
Brick and structural clay tile	-	42.8	43.3	42.8	43.2	-	-	-	-	-
Pottery and related products	-	39.5	39.8	38.7	38.7	-	1.9	2.1	2.0	2.0
Concrete, gypsum, and plaster products	44.2	44.4	44.1	45.0	44.9	-	6.5	6.4	6.5	6.4
Other stone and mineral products	42.1	41.6	42.1	41.3	41.6	-	3.2	3.4	3.2	3.0
Abrasive products	-	40.8	41.4	40.1	40.6	-	-	-	-	-

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

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

Industry	Average weekly earnings					Average hourly earnings				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
PRIMARY METAL INDUSTRIES	\$131.04	\$129.27	\$130.20	\$123.02	\$125.77	\$3.12	\$3.10	\$3.10	\$3.03	\$3.06
Blast furnace and basic steel products	140.87	138.28	138.02	130.28	135.20	3.37	3.34	3.35	3.29	3.33
Blast furnaces, steel and rolling mills	-	139.59	139.33	131.20	136.49	-	3.38	3.39	3.33	3.37
Iron and steel foundries	121.24	118.43	121.24	111.49	111.78	2.80	2.78	2.80	2.68	2.70
Gray iron foundries	-	117.12	119.19	109.36	109.30	-	2.73	2.74	2.61	2.64
Malleable iron foundries	-	118.58	126.15	109.89	109.20	-	2.83	2.90	2.72	2.73
Steel foundries	-	121.40	123.55	116.33	117.60	-	2.87	2.88	2.81	2.80
Nonferrous smelting and refining	120.47	119.77	119.52	119.11	118.12	2.91	2.90	2.88	2.87	2.86
Nonferrous rolling, drawing and extruding	120.83	121.69	124.56	118.44	119.00	2.87	2.87	2.87	2.80	2.80
Copper rolling, drawing, and extruding	-	127.01	130.10	122.98	121.98	-	2.94	2.95	2.88	2.85
Aluminum rolling, drawing, and extruding	-	125.10	126.00	122.66	124.86	-	3.00	3.00	2.97	2.98
Nonferrous wire drawing and insulating	-	115.72	119.07	110.33	110.42	-	2.71	2.70	2.59	2.58
Nonferrous foundries	111.49	109.86	110.81	106.71	105.41	2.68	2.66	2.67	2.59	2.59
Aluminum castings	-	110.83	111.64	107.27	107.30	-	2.69	2.69	2.61	2.63
Other nonferrous castings	-	108.88	109.71	105.88	103.53	-	2.63	2.65	2.57	2.55
Miscellaneous primary metal industries	130.60	129.05	133.04	125.56	128.44	3.17	3.14	3.16	3.07	3.11
Iron and steel forgings	-	134.23	136.54	128.88	132.75	-	3.29	3.29	3.19	3.23
FABRICATED METAL PRODUCTS	112.56	111.34	112.29	108.32	107.53	2.68	2.67	2.68	2.61	2.61
Metal cans	138.26	136.22	133.80	135.39	132.07	3.10	3.11	3.09	3.07	3.05
Cutlery, hand tools, and general hardware	106.30	106.45	107.79	101.50	100.35	2.58	2.59	2.61	2.50	2.49
Cutlery and hand tools, including saws	-	99.88	101.76	95.36	95.51	-	2.46	2.47	2.39	2.37
Hardware, n.e.c.	-	110.12	111.37	105.63	103.17	-	2.66	2.69	2.57	2.56
Heating equipment and plumbing fixtures	103.94	104.34	104.34	102.82	102.47	2.56	2.57	2.57	2.52	2.53
Sanitary ware and plumbers' brass goods	-	104.45	105.67	103.83	104.34	-	2.56	2.59	2.57	2.57
Heating equipment, except electric	-	104.09	103.02	101.93	100.44	-	2.57	2.55	2.48	2.48
Fabricated structural metal products	112.14	110.51	110.51	109.78	108.58	2.67	2.65	2.65	2.62	2.61
Fabricated structural steel	-	114.48	114.36	114.01	112.56	-	2.70	2.71	2.67	2.68
Metal doors, sash, frames, and trim	-	93.94	93.66	95.08	95.76	-	2.28	2.29	2.28	2.28
Fabricated plate work (boiler shops)	-	116.06	116.48	114.40	112.88	-	2.77	2.78	2.75	2.72
Sheet metal work	-	114.40	113.98	113.42	112.06	-	2.77	2.74	2.72	2.72
Architectural and miscellaneous metal work	-	111.37	111.92	107.01	107.71	-	2.69	2.71	2.61	2.64
Screw machine products, bolts, etc.	112.99	111.94	113.95	108.45	106.75	2.64	2.64	2.65	2.57	2.56
Screw machine products	-	106.00	106.57	101.40	100.02	-	2.50	2.49	2.42	2.41
Bolts, nuts, screws, rivets, and washers	-	117.02	119.66	114.06	112.02	-	2.76	2.77	2.69	2.68
Metal stampings	122.69	121.98	123.40	112.74	113.98	2.88	2.87	2.89	2.71	2.74
Coating, engraving, and allied services	99.77	97.44	99.95	94.89	93.73	2.41	2.40	2.42	2.32	2.32
Miscellaneous fabricated wire products	98.33	97.85	100.19	96.52	96.22	2.41	2.41	2.42	2.36	2.37
Miscellaneous fabricated metal products	109.71	108.39	109.45	106.08	105.71	2.65	2.65	2.65	2.60	2.61
Valves, pipe, and pipe fittings	-	110.42	111.22	108.24	107.45	-	2.68	2.68	2.64	2.64
MACHINERY	121.55	121.69	123.55	115.23	115.51	2.86	2.87	2.88	2.77	2.77
Engines and turbines	130.94	130.62	129.48	121.50	122.21	3.14	3.14	3.12	3.03	3.01
Steam engines and turbines	-	137.36	136.21	130.25	129.35	-	3.40	3.38	3.24	3.25
Internal combustion engines, n.e.c.	-	127.87	126.00	116.80	118.08	-	3.03	3.00	2.92	2.88
Flam machinery and equipment	-	118.66	119.52	110.16	110.28	-	2.88	2.88	2.72	2.75
Construction and related machinery	122.84	121.40	123.69	116.20	115.93	2.87	2.87	2.89	2.80	2.78
Construction and mining machinery	-	121.01	126.23	117.71	116.72	-	2.93	2.97	2.85	2.84
Oil field machinery and equipment	-	119.78	117.99	109.08	111.76	-	2.71	2.70	2.70	2.68
Conveyors, hoists, and industrial cranes	-	122.32	118.96	118.80	120.67	-	2.78	2.76	2.75	2.73
Metalworking machinery and equipment	133.42	136.89	139.67	125.83	128.30	3.06	3.09	3.09	2.94	2.97
Machine tools, metal cutting types	-	131.57	133.95	122.40	123.69	-	2.97	2.99	2.88	2.89
Special dies, tools, jigs, and fixtures	-	153.85	159.51	138.40	141.75	-	3.33	3.33	3.11	3.15
Machine tool accessories	-	118.86	120.56	110.03	113.16	-	2.83	2.85	2.71	2.74
Miscellaneous metalworking machinery	-	126.69	125.56	119.68	120.51	-	2.96	2.92	2.87	2.89
Special industry machinery	115.13	113.63	114.70	108.52	109.20	2.69	2.68	2.68	2.59	2.60
Food products machinery	-	116.90	117.46	113.15	112.19	-	2.81	2.81	2.72	2.71
Textile machinery	-	93.98	94.85	93.15	90.58	-	2.27	2.28	2.25	2.22
General industrial machinery	122.83	120.54	121.82	114.40	113.16	2.89	2.87	2.88	2.77	2.76
Pumps; air and gas compressors	-	117.45	118.58	115.21	113.52	-	2.77	2.79	2.73	2.69
Ball and roller bearings	-	119.25	121.84	113.00	110.76	-	2.93	2.95	2.79	2.79
Mechanical power transmission goods	-	122.98	125.86	118.44	118.30	-	2.86	2.88	2.80	2.79
Office, computing, and accounting machines	117.86	119.54	119.95	116.97	117.14	2.91	2.93	2.94	2.86	2.85
Computing machines and cash registers	-	127.80	127.17	123.42	125.14	-	3.14	3.14	3.04	3.03
Service industry machines	109.03	108.21	107.90	104.60	103.22	2.64	2.62	2.60	2.57	2.53
Refrigeration, except home refrigerators	-	108.32	108.00	104.75	102.41	-	2.61	2.59	2.58	2.51
Miscellaneous machinery	115.51	115.02	117.61	110.83	110.56	2.68	2.70	2.71	2.62	2.62
Machine shops, jobbing and repair	-	114.38	115.98	109.91	109.39	-	2.66	2.66	2.58	2.58
Machine parts, n.e.c., except electrical	-	115.65	120.40	112.74	112.59	-	2.78	2.80	2.71	2.70

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				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
PRIMARY METAL INDUSTRIES	42.0	41.7	42.0	40.6	41.1	-	2.9	3.2	2.4	2.7
Blast furnace and basic steel products	41.8	41.4	41.2	39.6	40.6	-	2.2	2.2	1.5	2.1
Blast furnaces, steel and rolling mills	-	41.3	41.1	39.4	40.5	-	-	-	-	-
Iron and steel foundries	43.3	42.6	43.3	41.6	41.4	-	4.4	5.1	3.5	3.3
Gray iron foundries	-	42.9	43.5	41.9	41.4	-	-	-	-	-
Malleable iron foundries	-	41.9	43.5	40.4	40.0	-	-	-	-	-
Steel foundries	-	42.3	42.9	41.4	42.0	-	-	-	-	-
Nonferrous smelting and refining	41.4	41.3	41.5	41.5	41.3	-	3.0	3.1	3.2	2.9
Nonferrous rolling, drawing and extruding	42.1	42.4	43.4	42.3	42.5	-	3.8	4.2	3.8	3.7
Copper rolling, drawing, and extruding	-	43.2	44.1	42.7	42.8	-	-	-	-	-
Aluminum rolling, drawing, and extruding	-	41.7	42.0	41.3	41.9	-	-	-	-	-
Nonferrous wire drawing and insulating	-	42.7	44.1	42.6	42.8	-	-	-	-	-
Nonferrous foundries	41.6	41.3	41.5	41.2	40.7	-	3.0	3.2	2.8	2.8
Aluminum castings	-	41.2	41.5	41.1	40.8	-	-	-	-	-
Other nonferrous castings	-	41.4	41.4	41.2	40.6	-	-	-	-	-
Miscellaneous primary metal industries	41.2	41.1	42.1	40.9	41.3	-	3.1	4.1	2.9	3.3
Iron and steel forgings	-	40.8	41.5	40.4	41.1	-	-	-	-	-
FABRICATED METAL PRODUCTS	42.0	41.7	41.9	41.5	41.2	-	3.4	3.5	3.3	3.1
Metal cans	44.6	43.8	43.3	44.1	43.3	-	4.8	4.2	5.1	4.1
Cutlery, hand tools, and general hardware	41.2	41.1	41.3	40.6	40.3	-	3.0	3.0	2.4	2.1
Cutlery and hand tools, including saws	-	40.6	41.2	39.9	40.3	-	-	-	-	-
Hardware, n.e.c.	-	41.4	41.4	41.1	40.3	-	-	-	-	-
Heating equipment and plumbing fixtures	40.6	40.6	40.6	40.8	40.5	-	2.5	2.4	2.4	2.3
Sanitary ware and plumbers' brass goods	-	40.8	40.8	40.4	40.6	-	-	-	-	-
Heating equipment, except electric	-	40.5	40.4	41.1	40.5	-	-	-	-	-
Fabricated structural metal products	42.0	41.7	41.7	41.9	41.6	-	3.5	3.2	3.4	3.3
Fabricated structural steel	-	42.4	42.2	42.7	42.0	-	-	-	-	-
Metal doors, sash, frames, and trim	-	41.2	40.9	41.7	42.0	-	-	-	-	-
Fabricated plate work (boiler shops)	-	41.9	41.9	41.6	41.5	-	-	-	-	-
Sheet metal work	-	41.3	41.6	41.7	41.2	-	-	-	-	-
Architectural and miscellaneous metal work	-	41.4	41.3	41.0	40.8	-	-	-	-	-
Screw machine products, bolts, etc.	42.8	42.4	43.0	42.2	41.7	-	3.8	4.2	3.6	3.4
Screw machine products	-	42.4	42.8	41.9	41.5	-	-	-	-	-
Bolts, nuts, screws, rivets, and washers	-	42.4	43.2	42.4	41.8	-	-	-	-	-
Metal stampings	42.6	42.5	42.7	41.6	41.6	-	4.2	4.4	3.5	3.6
Coating, engraving, and allied services	41.4	40.6	41.3	40.9	40.4	-	3.1	3.7	3.6	3.3
Miscellaneous fabricated wire products	40.8	40.6	41.4	40.9	40.6	-	2.9	3.1	3.2	2.8
Miscellaneous fabricated metal products	41.4	40.9	41.3	40.8	40.5	-	2.4	2.7	2.6	2.4
Valves, pipe, and pipe fittings	-	41.2	41.5	41.0	40.7	-	-	-	-	-
MACHINERY	42.5	42.4	42.9	41.6	41.7	-	3.8	4.2	3.2	3.2
Engines and turbines	41.7	41.6	41.5	40.1	40.6	-	3.9	3.5	2.1	2.4
Steam engines and turbines	-	40.4	40.3	40.2	39.8	-	-	-	-	-
Internal combustion engines, n.e.c.	-	42.2	42.0	40.0	41.0	-	-	-	-	-
Farm machinery and equipment	-	41.2	41.5	40.5	40.1	-	2.4	2.7	1.9	2.1
Construction and related machinery	42.8	42.3	42.8	41.5	41.7	-	3.4	3.9	3.0	2.8
Construction and mining machinery	-	41.3	42.5	41.3	41.1	-	-	-	-	-
Oil field machinery and equipment	-	44.2	43.7	40.4	41.7	-	-	-	-	-
Conveyors, hoists, and industrial cranes	-	44.0	43.1	43.2	44.2	-	-	-	-	-
Metalworking machinery and equipment	43.6	44.3	45.2	42.8	43.2	-	5.7	6.3	4.6	4.9
Machine tools, metal cutting types	-	44.3	44.8	42.5	42.8	-	-	-	-	-
Special dies, tools, jigs, and fixtures	-	46.2	47.9	44.5	45.0	-	-	-	-	-
Machine tool accessories	-	42.0	42.3	40.6	41.3	-	-	-	-	-
Miscellaneous metalworking machinery	-	42.8	43.0	41.7	41.7	-	-	-	-	-
Special industry machinery	42.8	42.4	42.8	41.9	42.0	-	3.8	4.2	3.3	3.5
Food products machinery	-	41.6	41.8	41.6	41.4	-	-	-	-	-
Textile machinery	-	41.4	41.6	41.4	40.8	-	-	-	-	-
General industrial machinery	42.5	42.0	42.3	41.3	41.0	-	3.3	3.6	3.0	2.9
Pumps; air and gas compressors	-	42.4	42.5	42.2	42.2	-	-	-	-	-
Ball and roller bearings	-	40.7	41.3	40.5	39.7	-	-	-	-	-
Mechanical power transmission goods	-	43.0	43.7	42.3	42.4	-	-	-	-	-
Office, computing, and accounting machines	40.5	40.8	40.8	40.9	41.1	-	1.9	1.9	1.8	1.5
Computing machines and cash registers	-	40.7	40.5	40.6	41.3	-	-	-	-	-
Service industry machines	41.3	41.3	41.5	40.7	40.8	-	2.7	2.7	2.5	2.2
Refrigeration, except home refrigerators	-	41.5	41.7	40.6	40.8	-	-	-	-	-
Miscellaneous machinery	43.1	42.6	43.4	42.3	42.2	-	4.6	5.0	4.0	4.0
Machine shops, jobbing and repair	-	43.0	43.6	42.6	42.4	-	-	-	-	-
Machine parts, n.e.c., except electrical	-	41.6	43.0	41.6	41.7	-	-	-	-	-

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

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

Industry	Average weekly earnings					Average hourly earnings				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
ELECTRICAL EQUIPMENT AND SUPPLIES	\$102.56	\$102.21	\$102.47	\$ 98.74	\$ 98.89	\$2.52	\$2.53	\$2.53	\$2.45	\$2.46
Electric distribution equipment	113.01	112.88	112.74	109.18	106.11	2.71	2.72	2.71	2.65	2.62
Electric measuring instruments	-	98.55	100.53	95.20	93.36	-	2.47	2.47	2.41	2.40
Power and distribution transformers	-	113.16	112.20	108.77	109.98	-	2.74	2.73	2.64	2.65
Switchgear and switchboard apparatus	-	123.55	122.12	119.99	113.57	-	2.88	2.86	2.83	2.77
Electrical industrial apparatus	108.65	110.51	109.30	104.04	105.63	2.65	2.65	2.64	2.55	2.57
Motors and generators	-	113.13	109.74	106.23	109.15	-	2.70	2.67	2.61	2.63
Industrial controls	-	107.53	107.38	100.35	100.50	-	2.61	2.60	2.49	2.50
Household appliances	108.81	109.62	108.41	107.71	110.68	2.68	2.70	2.69	2.64	2.68
Household refrigerators and freezers	-	116.76	116.76	117.96	121.96	-	2.89	2.89	2.87	2.89
Household laundry equipment	-	117.74	113.98	111.51	115.37	-	2.81	2.78	2.70	2.76
Electric housewares and fans	-	91.57	91.73	91.31	90.87	-	2.36	2.34	2.30	2.33
Electric lighting and wiring equipment	97.75	95.60	96.15	93.32	92.86	2.39	2.39	2.38	2.31	2.31
Electric lamps	-	99.29	98.31	95.44	95.68	-	2.47	2.47	2.38	2.38
Lighting fixtures	-	96.64	97.77	94.66	95.30	-	2.41	2.42	2.32	2.33
Wiring devices	-	92.34	93.79	91.48	89.50	-	2.32	2.31	2.27	2.26
Radio and TV receiving sets	89.28	88.36	84.64	85.72	86.76	2.21	2.22	2.21	2.17	2.18
Communication equipment	112.07	109.47	112.07	106.67	105.60	2.74	2.73	2.74	2.66	2.64
Telephone and telegraph apparatus	-	109.87	115.37	105.99	103.62	-	2.74	2.78	2.63	2.61
Radio and TV communication equipment	-	109.47	110.43	106.80	106.67	-	2.73	2.72	2.67	2.66
Electronic components and accessories	85.57	85.14	85.39	82.37	81.72	2.15	2.15	2.14	2.08	2.09
Electron tubes	-	97.44	97.20	95.24	92.27	-	2.40	2.40	2.34	2.33
Electronic components, n.e.c.	-	81.74	82.18	78.40	78.78	-	2.08	2.07	2.00	2.02
Miscellaneous electrical equipment and supplies	108.54	108.40	110.03	100.40	106.49	2.70	2.71	2.71	2.51	2.61
Electrical equipment for engines	-	115.54	115.54	102.44	112.07	-	2.86	2.86	2.62	2.74
TRANSPORTATION EQUIPMENT	129.48	128.24	131.75	121.58	125.58	3.12	3.09	3.10	2.98	2.99
Motor vehicles and equipment	138.22	134.51	140.16	122.51	130.54	3.26	3.18	3.20	3.04	3.05
Motor vehicles	-	141.24	144.86	126.64	137.22	-	3.30	3.27	3.19	3.14
Passenger car bodies	-	129.93	145.68	122.45	137.60	-	3.34	3.38	3.43	3.23
Truck and bus bodies	-	102.26	108.32	104.75	103.82	-	2.55	2.61	2.50	2.52
Motor vehicle parts and accessories	-	136.31	141.24	123.19	128.47	-	3.17	3.21	2.99	3.03
Aircraft and parts	126.07	125.05	124.84	122.84	122.13	3.06	3.05	3.03	2.96	2.95
Aircraft	-	124.14	121.60	122.25	121.13	-	3.05	3.01	2.96	2.94
Aircraft engines and engine parts	-	127.31	128.24	123.19	123.07	-	3.09	3.09	2.99	2.98
Other aircraft parts and equipment	-	124.50	128.70	124.10	122.35	-	3.00	3.00	2.92	2.92
Ship and boat building and repairing	116.61	117.11	121.99	122.10	120.39	2.99	2.98	2.99	3.00	2.98
Ship building and repairing	-	122.30	127.70	127.70	126.67	-	3.12	3.13	3.13	3.12
Boat building and repairing	-	93.20	94.02	91.83	89.83	-	2.33	2.31	2.29	2.28
Railroad equipment	-	125.24	127.70	116.79	125.36	-	3.10	3.13	3.01	3.05
Other transportation equipment	-	91.35	95.99	94.02	94.02	-	2.25	2.28	2.26	2.26
INSTRUMENTS AND RELATED PRODUCTS	104.24	102.97	103.73	101.34	100.94	2.53	2.53	2.53	2.49	2.48
Engineering and scientific instruments	-	118.78	120.77	118.94	116.85	-	2.89	2.91	2.88	2.85
Mechanical measuring and control devices	105.06	104.04	105.11	102.41	101.50	2.55	2.55	2.57	2.51	2.50
Mechanical measuring devices	-	105.52	106.86	104.08	102.91	-	2.58	2.60	2.52	2.51
Automatic temperature controls	-	101.66	102.56	100.40	98.55	-	2.51	2.52	2.51	2.47
Optical and ophthalmic goods	93.52	92.21	94.66	92.32	92.13	2.27	2.26	2.27	2.23	2.22
Surgical, medical, and dental equipment	87.23	86.55	86.22	85.22	85.65	2.17	2.18	2.15	2.12	2.12
Photographic equipment and supplies	(2)	121.25	119.68	113.70	114.80	(2)	2.88	2.87	2.78	2.80
Watches and clocks	-	83.50	85.97	83.35	82.32	-	2.13	2.16	2.11	2.10
MISCELLANEOUS MANUFACTURING INDUSTRIES	82.59	81.14	82.58	79.60	79.18	2.07	2.07	2.08	2.00	2.02
Jewelry, silverware, and plated ware	90.05	87.56	89.69	87.23	86.29	2.24	2.20	2.22	2.17	2.19
Toys, amusement, and sporting goods	-	72.96	73.72	71.74	71.42	-	1.90	1.90	1.83	1.86
Toys, games, dolls, and play vehicles	-	70.49	71.05	69.78	70.07	-	1.86	1.86	1.78	1.82
Sporting and athletic goods, n.e.c.	-	78.01	79.00	75.85	74.30	-	1.98	1.98	1.94	1.94
Pens, pencils, office and art materials	-	74.82	79.80	79.38	77.81	-	1.99	2.01	1.96	1.96
Costume jewelry, buttons, and notions	-	75.05	76.80	73.23	71.16	-	1.90	1.92	1.84	1.82
Other manufacturing industries	89.42	88.75	88.98	86.80	86.15	2.23	2.23	2.23	2.17	2.17
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	97.00	97.82	97.99	93.98	95.63	2.36	2.38	2.39	2.27	2.31
Meat products	105.00	103.63	107.36	99.22	100.94	2.53	2.54	2.55	2.42	2.45
Meat packing	-	121.25	126.15	116.62	117.88	-	2.88	2.90	2.79	2.80
Sausages and other prepared meats	-	111.78	111.11	110.14	111.35	-	2.70	2.71	2.61	2.62
Poultry dressing and packing	-	57.90	60.52	56.21	55.92	-	1.54	1.54	1.46	1.46

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

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

Industry	Average weekly hours					Average overtime hours				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
ELECTRICAL EQUIPMENT AND SUPPLIES	40.7	40.4	40.5	40.3	40.2	-	2.2	2.2	2.1	2.0
Electric distribution equipment	41.7	41.5	41.6	41.2	40.5	-	2.9	2.9	2.5	2.1
Electric measuring instruments	-	39.9	40.7	39.5	38.9	-	-	-	-	-
Power and distribution transformers	-	41.3	41.1	41.2	41.5	-	-	-	-	-
Switchgear and switchboard apparatus	-	42.9	42.7	42.4	41.0	-	-	-	-	-
Electrical industrial apparatus	41.0	41.7	41.4	40.8	41.1	-	3.0	2.9	2.3	2.5
Motors and generators	-	41.9	41.1	40.7	41.5	-	-	-	-	-
Industrial controls	-	41.2	41.3	40.3	40.2	-	-	-	-	-
Household appliances	40.6	40.6	40.3	40.8	41.3	-	2.3	2.0	2.4	2.7
Household refrigerators and freezers	-	40.4	40.4	41.1	42.2	-	-	-	-	-
Household laundry equipment	-	41.9	41.0	41.3	41.8	-	-	-	-	-
Electric housewares and fans	-	38.8	39.2	39.7	39.0	-	-	-	-	-
Electric lighting and wiring equipment	40.9	40.0	40.4	40.4	40.2	-	2.1	2.0	2.1	2.0
Electric lamps	-	40.2	39.8	40.1	40.2	-	-	-	-	-
Lighting fixtures	-	40.1	40.4	40.8	40.9	-	-	-	-	-
Wiring devices	-	39.8	40.6	40.3	39.6	-	-	-	-	-
Radio and TV receiving sets	40.4	39.8	38.3	39.5	39.8	-	2.0	1.2	2.0	2.0
Communication equipment	40.9	40.1	40.9	40.1	40.0	-	1.6	2.3	1.8	1.5
Telephone and telegraph apparatus	-	40.1	41.5	40.3	39.7	-	-	-	-	-
Radio and TV communication equipment	-	40.1	40.6	40.0	40.1	-	-	-	-	-
Electronic components and accessories	39.8	39.6	39.9	39.6	39.1	-	1.9	1.9	1.7	1.7
Electron tubes	-	40.6	40.5	40.7	39.6	-	-	-	-	-
Electronic components, n.e.c.	-	39.3	39.7	39.2	39.0	-	-	-	-	-
Miscellaneous electrical equipment and supplies	40.2	40.0	40.6	40.0	40.8	-	2.0	2.2	1.9	2.2
Electrical equipment for engines	-	40.4	40.4	39.1	40.9	-	-	-	-	-
TRANSPORTATION EQUIPMENT	41.5	41.5	42.5	40.8	42.0	-	3.5	4.0	3.1	3.3
Motor vehicles and equipment	42.4	42.3	43.8	40.3	42.8	-	4.5	5.3	3.5	4.0
Motor vehicles	-	42.8	44.3	39.7	43.7	-	-	-	-	-
Passenger car bodies	-	38.9	43.1	35.7	42.6	-	-	-	-	-
Truck and bus bodies	-	40.1	41.5	41.9	41.2	-	-	-	-	-
Motor vehicle parts and accessories	-	43.0	44.0	41.2	42.4	-	-	-	-	-
Aircraft and parts	41.2	41.0	41.2	41.5	41.4	-	2.3	2.3	2.6	2.5
Aircraft	-	40.7	40.4	41.3	41.2	-	-	-	-	-
Aircraft engines and engine parts	-	41.2	41.5	41.2	41.3	-	-	-	-	-
Other aircraft parts and equipment	-	41.5	42.9	42.5	41.9	-	-	-	-	-
Ship and boat building and repairing	39.0	39.3	40.8	40.7	40.4	-	2.5	3.0	2.5	2.4
Ship building and repairing	-	39.2	40.8	40.8	40.6	-	-	-	-	-
Boat building and repairing	-	40.0	40.7	40.1	39.4	-	-	-	-	-
Railroad equipment	-	40.4	40.8	38.8	41.1	-	2.3	3.0	2.0	2.5
Other transportation equipment	-	40.6	42.1	41.6	41.6	-	2.8	3.8	3.2	3.8
INSTRUMENTS AND RELATED PRODUCTS	41.2	40.7	41.0	40.7	40.7	-	2.2	2.4	2.3	2.2
Engineering and scientific instruments	-	41.1	41.5	41.3	41.0	-	2.0	2.5	2.3	2.1
Mechanical measuring and control devices	41.2	40.8	40.9	40.8	40.6	-	2.2	2.4	2.5	2.5
Mechanical measuring devices	-	40.9	41.1	41.3	41.0	-	-	-	-	-
Automatic temperature controls	-	40.5	40.7	40.0	39.9	-	-	-	-	-
Optical and ophthalmic goods	41.2	40.8	41.7	41.4	41.5	-	2.0	2.5	2.1	2.3
Surgical, medical, and dental equipment	40.2	39.7	40.1	40.2	40.4	-	1.7	2.0	2.1	1.9
Photographic equipment and supplies	(2)	42.1	41.7	40.9	41.0	-	3.1	2.9	2.0	2.4
Watches and clocks	-	39.2	39.8	39.5	39.2	-	1.3	1.4	2.2	1.9
MISCELLANEOUS MANUFACTURING INDUSTRIES	39.9	39.2	39.7	39.8	39.2	-	2.0	2.3	2.2	1.9
Jewelry, silverware, and plated ware	40.2	39.8	40.4	40.2	39.4	-	2.4	3.1	2.7	2.4
Toys, amusement, and sporting goods	-	38.4	38.8	39.2	38.4	-	1.5	1.8	2.1	1.6
Toys, games, dolls, and play vehicles	-	37.9	38.2	39.2	38.5	-	-	-	-	-
Sporting and athletic goods, n.e.c.	-	39.4	39.9	39.1	38.3	-	-	-	-	-
Pens, pencils, office and art materials	-	37.6	39.7	40.5	39.7	-	1.7	1.7	2.2	1.8
Costume jewelry, buttons, and notions	-	39.5	40.0	39.8	39.1	-	2.0	2.4	2.2	2.0
Other manufacturing industries	40.1	39.8	39.9	40.0	39.7	-	2.3	2.4	2.1	2.0
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	41.1	41.1	41.0	41.4	41.4	-	3.8	3.8	3.5	3.8
Meat products	41.5	40.8	42.1	41.0	41.2	-	3.8	4.5	3.5	3.8
Meat packing	-	42.1	43.5	41.8	42.1	-	-	-	-	-
Sausages and other prepared meats	-	41.4	41.0	42.2	42.5	-	-	-	-	-
Poultry dressing and packing	-	37.6	39.3	38.5	38.3	-	-	-	-	-

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 earnings					Average hourly earnings				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
FOOD AND KINDRED PRODUCTS--Continued										
Dairy products	\$103.03	\$104.25	\$103.03	\$98.79	\$99.92	\$2.43	\$2.43	\$2.43	\$2.33	\$2.34
Ice cream and frozen desserts	-	102.53	99.19	95.30	97.63	-	2.39	2.39	2.33	2.33
Fluid milk	-	108.97	108.46	103.76	104.00	-	2.54	2.54	2.43	2.43
Canned and preserved food, except meats	-	75.80	73.64	78.38	75.08	-	2.00	2.04	1.94	1.95
Canned, cured and frozen sea foods	-	67.40	67.06	75.65	71.20	-	2.00	1.99	2.05	1.94
Canned food, except sea foods	-	81.00	77.17	80.56	78.38	-	2.00	2.08	1.96	1.94
Frozen food, except sea foods	-	65.77	66.74	72.98	66.60	-	1.89	1.88	1.78	1.80
Grain mill products	108.72	106.67	111.34	105.73	107.87	2.40	2.36	2.41	2.36	2.35
Flour and other grain mill products	-	108.20	132.84	116.87	115.87	-	2.57	2.70	2.58	2.53
Prepared feeds for animals and fowls	-	95.35	93.06	91.41	95.74	-	1.97	1.96	1.97	1.97
Bakery products	97.68	98.16	98.16	94.37	96.17	2.40	2.40	2.40	2.33	2.34
Bread, cake, and perishable products	-	100.28	100.04	96.05	98.06	-	2.44	2.44	2.36	2.38
Biscuit, crackers, and pretzels	-	90.23	91.48	89.42	90.39	-	2.25	2.27	2.23	2.21
Sugar	-	109.48	108.00	107.87	107.26	-	2.71	2.70	2.55	2.56
Confectionery and related products	81.99	80.75	79.76	79.79	79.60	2.06	2.06	2.04	1.98	2.01
Candy and other confectionery products	-	76.44	75.66	75.39	74.49	-	1.96	1.95	1.88	1.91
Beverages	110.56	114.36	109.33	108.73	112.25	2.69	2.71	2.66	2.62	2.66
Malt liquors	-	146.26	141.80	136.80	143.31	-	3.55	3.51	3.42	3.47
Bottled and canned soft drinks	-	85.36	82.22	83.47	84.04	-	1.94	1.93	1.88	1.88
Miscellaneous food and kindred products	96.22	96.41	95.53	94.53	93.66	2.28	2.29	2.28	2.24	2.23
TOBACCO MANUFACTURES										
Cigarettes	75.08	78.93	81.39	73.57	78.76	1.94	2.05	2.05	1.83	2.03
Cigars	-	93.62	98.29	97.06	93.37	-	2.37	2.38	2.35	2.34
	-	62.54	64.41	61.69	60.42	-	1.65	1.66	1.59	1.59
TEXTILE MILL PRODUCTS										
Cotton broad woven fabrics	73.10	71.81	73.10	69.19	68.68	1.77	1.76	1.77	1.70	1.70
Silk and synthetic broad woven fabrics	73.15	72.80	73.68	67.65	66.66	1.75	1.75	1.75	1.65	1.65
Weaving and finishing broad woolens	79.72	77.22	78.37	74.04	73.10	1.82	1.80	1.81	1.73	1.72
Narrow fabrics and smallwares	76.67	78.96	78.91	73.89	76.49	1.87	1.88	1.87	1.82	1.83
Knitting	74.21	72.39	73.51	70.47	71.28	1.81	1.77	1.78	1.74	1.73
Full-fashioned hosiery	67.32	64.85	65.02	63.90	62.76	1.70	1.68	1.68	1.63	1.63
Seamless hosiery	-	62.91	62.91	62.24	57.35	-	1.66	1.66	1.60	1.58
Knit outerwear	-	60.80	60.80	59.68	58.59	-	1.60	1.60	1.55	1.55
Knit underwear	-	67.26	67.61	67.25	67.47	-	1.77	1.77	1.72	1.73
Finishing textiles, except wool and knit	-	61.92	62.08	60.61	58.90	-	1.60	1.60	1.55	1.55
Floor covering	78.91	78.88	83.42	78.02	75.89	1.92	1.91	1.94	1.88	1.86
Yarn and thread	-	73.53	74.26	75.60	73.75	-	1.82	1.82	1.80	1.79
Miscellaneous textile goods	67.39	66.74	67.07	63.43	63.90	1.62	1.62	1.62	1.57	1.57
	83.83	83.43	86.48	80.75	80.95	2.02	2.02	2.02	1.96	1.96
APPAREL AND RELATED PRODUCTS										
Men's and boys' suits and coats	66.06	64.25	63.71	63.30	61.71	1.80	1.77	1.76	1.72	1.70
Men's and boys' furnishings	78.83	75.28	76.08	77.07	74.37	2.08	2.04	2.09	2.10	2.06
Men's and boys' separate trousers	56.85	56.63	57.00	55.01	54.58	1.52	1.51	1.52	1.44	1.44
Men's and boys' dresses and nightwear	-	55.58	55.35	53.48	53.02	-	1.49	1.50	1.40	1.41
Men's and boys' outerwear, n.e.c.	-	57.91	58.06	55.86	55.54	-	1.52	1.54	1.47	1.45
Women's, misses', and juniors' outerwear	-	54.91	55.33	53.24	53.10	-	1.48	1.46	1.39	1.39
Women's blouses, waists, and shirts	69.60	68.11	65.43	66.97	65.17	2.00	1.98	1.93	1.93	1.90
Women's suits, skirts, and coats	-	56.72	56.07	54.79	54.95	-	1.63	1.63	1.57	1.57
Women's and misses' outerwear, n.e.c.	-	66.20	63.38	65.38	63.03	-	2.00	1.95	1.94	1.91
Women's and children's undergarments	-	84.85	79.35	83.18	82.01	-	2.39	2.30	2.33	2.31
Women's and children's underwear	-	59.86	60.92	57.51	56.36	-	1.64	1.66	1.58	1.57
Corsets and allied garments	59.41	58.60	57.96	58.59	55.94	1.61	1.61	1.61	1.55	1.52
Hats, caps, and millinery	-	56.83	55.90	56.01	54.02	-	1.54	1.54	1.47	1.46
Girls' and children's outerwear	-	62.30	62.30	62.90	60.06	-	1.75	1.77	1.70	1.65
Children's dresses, blouses, and shirts	-	70.88	67.71	68.07	66.79	-	1.89	1.85	1.87	1.85
Fur goods and miscellaneous apparel	59.82	60.31	59.98	56.27	56.15	1.63	1.63	1.63	1.55	1.53
Miscellaneous fabricated textile products	-	59.29	59.29	55.96	56.00	-	1.62	1.62	1.55	1.53
Housefurnishings	71.21	67.86	67.33	65.87	64.62	1.84	1.84	1.86	1.79	1.80
	-	60.75	60.70	59.21	57.35	-	1.62	1.61	1.55	1.55
PAPER AND ALLIED PRODUCTS										
Paper and pulp	112.23	110.51	109.65	107.32	106.82	2.58	2.57	2.55	2.49	2.49
Paperboard	124.16	124.43	121.28	119.34	120.42	2.79	2.79	2.75	2.70	2.70
Converted paper and paperboard products	130.99	128.37	123.32	121.04	122.03	2.86	2.84	2.79	2.72	2.73
Bags, except textile bags	97.21	96.51	97.16	94.92	92.74	2.32	2.32	2.33	2.26	2.24
Paperboard containers and boxes	-	87.48	87.67	87.95	88.38	-	2.16	2.17	2.14	2.14
Folding and setup paperboard boxes	102.24	99.42	100.67	97.67	96.05	2.40	2.39	2.38	2.32	2.32
Corrugated and solid fiber boxes	-	88.88	90.42	87.96	85.65	-	2.20	2.20	2.12	2.12
	-	108.03	109.87	108.56	105.22	-	2.53	2.52	2.49	2.47

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				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
FOOD AND KINDRED PRODUCTS--Continued										
Dairy products	42.4	42.9	42.4	42.4	42.7	-	3.9	3.7	3.2	3.6
Ice cream and frozen desserts	-	42.9	41.5	40.9	41.9	-	-	-	-	-
Fluid milk	-	42.9	42.7	42.7	42.8	-	-	-	-	-
Canned and preserved food, except meats	-	37.9	36.1	40.4	38.9	-	2.6	2.4	2.8	2.5
Canned, cured and frozen sea foods	-	33.7	33.7	36.9	36.7	-	-	-	-	-
Canned food, except sea foods	-	40.5	37.1	41.1	40.4	-	-	-	-	-
Frozen food, except sea foods	-	34.8	35.5	41.0	37.0	-	-	-	-	-
Grain mill products	45.3	45.2	46.2	44.8	45.9	-	6.9	7.4	6.6	7.5
Flour and other grain mill products	-	42.1	49.2	45.3	45.8	-	-	-	-	-
Prepared feeds for animals and fowls	-	48.4	47.0	46.4	48.6	-	-	-	-	-
Bakery products	40.7	40.9	40.9	40.5	41.1	-	3.5	3.5	3.2	3.5
Bread, cake, and perishable products	-	41.1	41.0	40.7	41.2	-	-	-	-	-
Biscuit, crackers, and pretzels	-	40.1	40.3	40.1	40.9	-	-	-	-	-
Sugar	-	40.4	40.0	42.3	41.9	-	3.6	2.7	3.5	3.8
Confectionery and related products	39.8	39.2	39.1	40.3	39.6	-	1.8	1.7	2.5	2.1
Candy and other confectionery products	-	39.0	38.8	40.1	39.0	-	-	-	-	-
Beverages	41.1	42.2	41.1	41.5	42.2	-	4.3	3.8	3.6	4.4
Malt liquors	-	41.2	40.4	40.0	41.3	-	-	-	-	-
Bottled and canned soft drinks	-	44.0	42.6	44.4	44.7	-	-	-	-	-
Miscellaneous food and kindred products	42.2	42.1	41.9	42.2	42.0	-	3.7	3.7	4.1	4.0
TOBACCO MANUFACTURES										
Cigarettes	38.7	38.5	39.7	40.2	38.8	-	1.8	2.2	1.4	1.4
Cigars	-	39.5	41.3	41.3	39.9	-	2.2	2.4	1.9	1.8
	-	37.9	38.8	38.8	38.0	-	1.6	2.5	1.3	1.1
TEXTILE MILL PRODUCTS										
Cotton broad woven fabrics	41.3	40.8	41.3	40.7	40.4	-	3.3	3.7	3.3	3.1
Silk and synthetic broad woven fabrics	41.8	41.6	42.1	41.0	40.4	-	3.6	4.2	3.4	2.9
Weaving and finishing broad wovens	43.8	42.9	43.3	42.8	42.5	-	4.4	4.7	4.3	3.9
Narrow fabrics and smallwares	41.0	42.0	42.2	40.6	41.8	-	4.0	4.0	3.3	3.8
Knitting	41.0	40.9	41.3	40.5	41.2	-	2.9	2.9	2.7	3.2
Full-fashioned hosiery	39.6	38.6	38.7	39.2	38.5	-	2.2	2.2	2.4	2.4
Seamless hosiery	-	37.9	37.9	38.9	36.3	-	-	-	-	-
Knit outerwear	-	38.0	38.0	38.5	37.8	-	-	-	-	-
Knit underwear	-	38.2	39.1	39.1	39.0	-	-	-	-	-
Finishing textiles, except wool and knit	-	38.7	38.8	39.1	38.0	-	-	-	-	-
Floor covering	41.1	41.3	43.0	41.5	40.8	-	3.7	4.6	3.7	3.3
Yarn and thread	-	40.4	40.8	42.0	41.2	-	3.5	3.5	4.5	4.1
Miscellaneous textile goods	41.6	41.2	41.4	40.4	40.7	-	3.4	3.7	3.1	3.1
	41.5	41.3	42.6	41.2	41.3	-	3.7	4.3	3.7	3.5
APPAREL AND RELATED PRODUCTS										
Men's and boys' suits and coats	36.7	36.3	36.2	36.8	36.3	-	1.2	1.3	1.5	1.3
Men's and boys' furnishings	37.9	36.9	36.4	36.7	36.1	-	.5	1.0	1.1	.8
Men's and boys' shirts and nightwear	37.4	37.5	37.5	38.2	37.9	-	1.1	1.1	1.5	1.3
Men's and boys' separate trousers	-	37.3	36.9	38.2	37.6	-	-	-	-	-
Work clothing	-	38.1	37.7	38.0	38.3	-	-	-	-	-
Women's, misses', and juniors' outerwear	-	37.1	37.9	38.3	38.2	-	-	-	-	-
Women's blouses, waists, and shirts	34.8	34.4	33.9	34.7	34.3	-	1.2	1.2	1.4	1.4
Women's, misses', and juniors' dresses	-	34.8	34.4	34.9	35.0	-	-	-	-	-
Women's suits, skirts, and coats	-	33.1	32.5	33.7	33.0	-	-	-	-	-
Women's and misses' outerwear, n.e.c.	-	35.5	34.5	35.7	35.5	-	-	-	-	-
Women's and children's undergarments	-	36.5	36.7	36.4	35.9	-	-	-	-	-
Women's and children's underwear	36.9	36.4	36.0	37.8	36.8	-	1.3	1.2	1.6	1.4
Corsets and allied garments	-	36.9	36.3	38.1	37.0	-	-	-	-	-
Hats, caps, and millinery	-	35.6	35.2	37.0	36.4	-	-	-	-	-
Girls' and children's outerwear	-	37.5	36.6	36.4	36.1	-	1.4	.9	1.6	1.4
Children's dresses, blouses, and shirts	36.7	37.0	36.8	36.3	36.7	-	1.6	1.6	1.5	1.5
Fur goods and miscellaneous apparel	-	36.6	36.6	36.1	36.6	-	-	-	-	-
Miscellaneous fabricated textile products	-	35.7	36.2	36.8	35.9	-	.8	.9	1.2	1.0
Housefurnishings	38.7	37.7	38.5	38.6	37.3	-	1.7	1.9	1.9	1.5
	-	37.5	37.7	38.2	37.0	-	-	-	-	-
PAPER AND ALLIED PRODUCTS										
Paper and pulp	43.5	43.0	43.0	43.1	42.9	-	4.9	4.7	4.8	4.8
Paperboard	44.5	44.6	44.1	44.2	44.6	-	6.0	5.6	5.6	5.9
Converted paper and paperboard products	45.8	45.2	44.2	44.5	44.7	-	6.8	6.1	6.4	6.8
Bags, except textile bags	41.9	41.6	41.7	42.0	41.4	-	3.4	3.3	3.6	3.2
Paperboard containers and boxes	-	40.5	40.4	41.1	41.3	-	-	-	-	-
Folding and setup paperboard boxes	42.6	41.6	42.3	42.1	41.4	-	4.0	4.2	4.1	3.8
Corrugated and solid fiber boxes	-	40.4	41.1	41.3	40.4	-	-	-	-	-
	-	42.7	43.6	43.6	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,¹ by industry--Continued

Industry	Average weekly earnings					Average hourly earnings				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	\$114.26	\$112.99	\$113.28	\$111.27	\$110.02	\$2.96	\$2.95	\$2.95	\$2.89	\$2.88
Newspaper publishing and printing	116.75	116.44	116.80	112.89	111.91	3.19	3.19	3.20	3.11	3.10
Periodical publishing and printing	-	122.51	123.62	116.98	118.78	-	3.01	3.03	2.91	2.94
Books	-	105.34	108.36	108.52	105.78	-	2.64	2.63	2.59	2.58
Commercial printing	116.82	114.55	114.85	112.71	112.03	2.98	2.96	2.96	2.89	2.88
Commercial printing, except lithographic	-	111.45	112.04	109.91	109.13	-	2.91	2.91	2.84	2.82
Commercial printing, lithographic	-	121.97	120.96	120.40	118.50	-	3.08	3.07	3.01	3.00
Bookbinding and related industries	88.01	88.46	88.30	88.08	87.40	2.28	2.28	2.27	2.27	2.27
Other publishing and printing industries	116.82	115.83	114.73	114.94	113.37	2.98	2.97	2.98	2.97	2.96
CHEMICALS AND ALLIED PRODUCTS	116.62	115.92	116.34	113.02	113.98	2.81	2.80	2.79	2.73	2.74
Industrial chemicals	131.87	130.41	131.36	127.71	128.33	3.17	3.15	3.15	3.07	3.07
Plastics and synthetics, except glass	116.72	118.00	117.30	112.32	114.09	2.74	2.77	2.76	2.70	2.71
Plastics and synthetics, except fibers	-	128.46	127.74	120.83	121.54	-	2.96	2.95	2.87	2.88
Synthetic fibers	-	106.51	105.84	102.42	105.08	-	2.53	2.52	2.48	2.49
Drugs	101.77	100.08	102.21	99.63	99.54	2.57	2.54	2.53	2.46	2.47
Pharmaceutical preparations	-	96.33	98.80	95.12	95.35	-	2.47	2.47	2.39	2.42
Soap, cleaners, and toilet goods	109.76	107.47	110.02	107.68	106.75	2.71	2.68	2.69	2.62	2.61
Soap and detergents	-	132.09	133.35	131.75	130.51	-	3.16	3.16	3.10	3.10
Toilet preparations	-	84.29	86.69	85.60	84.10	-	2.23	2.24	2.14	2.14
Paints, varnishes, and allied products	109.98	111.14	109.25	105.98	107.84	2.65	2.64	2.62	2.56	2.58
Agricultural chemicals	94.16	94.89	93.91	91.10	91.74	2.28	2.27	2.22	2.19	2.20
Fertilizers, complete and mixing only	-	91.76	90.52	87.99	88.83	-	2.19	2.15	2.11	2.12
Other chemical products	113.05	111.57	111.19	108.68	109.56	2.66	2.65	2.66	2.60	2.59
PETROLEUM REFINING AND RELATED INDUSTRIES	131.14	133.77	133.46	130.21	133.98	3.16	3.17	3.17	3.13	3.16
Petroleum refining	136.27	138.36	138.02	134.39	138.94	3.34	3.35	3.35	3.31	3.34
Other petroleum and coal products	113.34	117.39	117.13	115.20	115.26	2.57	2.58	2.58	2.56	2.55
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	105.66	103.22	105.66	100.86	100.04	2.54	2.53	2.54	2.46	2.47
Tires and inner tubes	147.05	137.97	145.61	132.84	130.73	3.46	3.39	3.41	3.28	3.26
Other rubber products	99.96	99.06	100.45	96.63	94.40	2.45	2.44	2.45	2.38	2.36
Miscellaneous plastic products	90.09	88.37	89.02	88.62	87.76	2.15	2.15	2.14	2.12	2.13
LEATHER AND LEATHER PRODUCTS	69.89	70.25	70.46	67.41	66.12	1.82	1.82	1.83	1.76	1.74
Leather tanning and finishing	94.42	93.73	95.58	90.23	90.23	2.32	2.32	2.32	2.25	2.25
Foot wear, except rubber	67.82	68.50	68.00	65.15	64.39	1.78	1.77	1.78	1.71	1.69
Other leather products	67.16	65.63	67.23	65.49	63.07	1.74	1.75	1.76	1.71	1.70
TRANSPORTATION AND PUBLIC UTILITIES:										
RAILROAD TRANSPORTATION:										
Class I railroads*	-	(2)	(2)	118.53	120.18	-	(2)	(2)	2.75	2.75
LOCAL AND INTERURBAN PASSENGER TRANSIT:										
Local and suburban transportation	-	106.75	106.64	103.28	103.09	-	2.50	2.48	2.43	2.42
Intercity and rural bus lines	-	141.17	130.52	134.06	133.44	-	3.01	2.98	2.94	2.92
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	123.38	122.93	119.71	118.85	-	2.91	2.92	2.83	2.85
PIPELINE TRANSPORTATION	-	142.07	137.42	134.94	138.65	-	3.44	3.41	3.34	3.39
COMMUNICATION:										
Telephone communication	-	104.78	104.40	102.26	102.36	-	2.60	2.61	2.55	2.54
Switchboard operating employees ³	-	78.65	78.60	77.42	77.46	-	2.12	2.13	2.07	2.06
Line construction employees ⁴	-	151.52	150.63	147.06	145.28	-	3.33	3.34	3.29	3.25
Telegraph communication ⁵	-	117.87	118.30	112.71	112.98	-	2.78	2.79	2.69	2.69
Radio and television broadcasting	-	143.20	139.12	132.10	132.10	-	3.58	3.54	3.37	3.37
ELECTRIC, GAS, AND SANITARY SERVICES	-	126.24	124.42	121.42	121.13	-	3.02	3.02	2.94	2.94
Electric companies and systems	-	129.05	127.51	123.26	124.09	-	3.08	3.08	2.97	2.99
Gas companies and systems	-	116.05	114.52	111.93	111.93	-	2.81	2.80	2.75	2.75
Combined utility systems**	-	137.25	134.31	132.07	130.19	-	3.26	3.26	3.19	3.16
Water, steam, and sanitary systems	-	102.06	100.19	97.88	97.64	-	2.43	2.42	2.37	2.37

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

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

Industry	Average weekly hours					Average overtime hours				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	38.6	38.3	38.4	38.5	38.2	-	2.6	2.8	2.8	2.6
Newspaper publishing and printing	36.6	36.5	36.5	36.3	36.1	-	2.3	2.5	2.2	2.3
Periodical publishing and printing	-	40.7	40.8	40.2	40.4	-	3.7	3.5	3.3	3.3
Books	-	39.9	41.2	41.9	41.0	-	3.1	4.2	4.5	3.9
Commercial printing	39.2	38.7	38.8	39.0	38.9	-	2.8	2.6	2.9	2.7
Commercial printing, except lithographic	-	38.3	38.5	38.7	38.7	-	-	-	-	-
Commercial printing, lithographic	-	39.6	39.4	40.0	39.5	-	-	-	-	-
Bookbinding and related industries	38.6	38.8	38.9	38.8	38.5	-	2.2	2.5	2.1	2.1
Other publishing and printing industries	39.2	39.0	38.5	38.7	38.3	-	2.5	2.7	2.9	2.4
CHEMICALS AND ALLIED PRODUCTS	41.5	41.4	41.7	41.4	41.6	-	2.6	2.6	2.5	2.6
Industrial chemicals	41.6	41.4	41.7	41.6	41.8	-	2.6	2.6	2.6	2.6
Plastics and synthetics, except glass	42.6	42.6	42.5	41.6	42.1	-	2.7	2.9	2.3	2.5
Plastics and synthetics, except fibers	-	43.4	43.3	42.1	42.2	-	-	-	-	-
Synthetic fibers	-	42.1	42.0	41.3	42.2	-	-	-	-	-
Drugs	39.6	39.4	40.4	40.5	40.3	-	1.6	1.5	1.8	2.2
Pharmaceutical preparations	-	39.0	40.0	39.8	39.4	-	-	-	-	-
Soap, cleaners, and toilet goods	40.5	40.1	40.9	41.1	40.9	-	2.2	2.6	2.7	2.3
Soap and detergents	-	41.8	42.2	42.5	42.1	-	-	-	-	-
Toilet preparations	-	37.8	38.7	40.0	39.3	-	-	-	-	-
Paints, varnishes, and allied products	41.5	42.1	41.7	41.4	41.8	-	3.1	2.7	2.6	2.9
Agricultural chemicals	41.3	41.8	42.3	41.6	41.7	-	3.2	3.4	2.9	3.0
Fertilizers, complete and mixing only	-	41.9	42.1	41.7	41.9	-	-	-	-	-
Other chemical products	42.5	42.1	41.8	41.8	42.3	-	2.9	3.0	3.1	2.9
PETROLEUM REFINING AND RELATED INDUSTRIES	41.5	42.2	42.1	41.6	42.4	-	2.9	2.8	2.4	2.9
Petroleum refining	40.8	41.3	41.2	40.6	41.6	-	1.9	1.8	1.4	2.0
Other petroleum and coal products	44.1	45.5	45.4	45.0	45.2	-	6.4	6.3	6.1	6.2
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	41.6	40.8	41.6	41.0	40.5	-	3.1	3.6	3.2	2.9
Tires and inner tubes	42.5	40.7	42.7	40.5	40.1	-	3.5	4.8	3.3	3.2
Other rubber products	40.8	40.6	41.0	40.6	40.0	-	2.5	2.8	2.5	2.3
Miscellaneous plastic products	41.9	41.1	41.6	41.8	41.2	-	3.5	3.7	3.8	3.5
LEATHER AND LEATHER PRODUCTS	38.4	38.6	38.5	38.3	38.0	-	1.8	1.7	1.7	1.3
Leather tanning and finishing	40.7	40.4	41.2	40.1	40.1	-	2.9	3.3	2.7	2.6
Foot wear, except rubber	38.1	38.7	38.2	38.1	38.1	-	1.8	1.5	1.5	1.2
Other leather products	38.6	37.5	38.2	38.3	37.1	-	1.4	1.7	2.0	1.3
TRANSPORTATION AND PUBLIC UTILITIES:										
RAILROAD TRANSPORTATION:										
Class I railroads.*	-	(2)	(2)	43.1	43.7	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT:										
Local and suburban transportation	-	42.7	43.0	42.5	42.6	-	-	-	-	-
Intercity and rural bus lines	-	46.9	43.8	45.6	45.7	-	-	-	-	-
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	42.4	42.1	42.3	41.7	-	-	-	-	-
PIPELINE TRANSPORTATION	-	41.3	40.3	40.4	40.9	-	-	-	-	-
COMMUNICATION:										
Telephone communication	-	40.3	40.0	40.1	40.3	-	-	-	-	-
Switchboard operating employees ³	-	37.1	36.9	37.4	37.6	-	-	-	-	-
Line construction employees ⁴	-	45.5	45.1	44.7	44.7	-	-	-	-	-
Telegraph communication ⁵	-	42.4	42.4	41.9	42.0	-	-	-	-	-
Radio and television broadcasting	-	40.0	39.3	39.2	39.2	-	-	-	-	-
ELECTRIC, GAS, AND SANITARY SERVICES	-	41.8	41.2	41.3	41.2	-	-	-	-	-
Electric companies and systems	-	41.9	41.4	41.5	41.5	-	-	-	-	-
Gas companies and systems	-	41.3	40.9	40.7	40.7	-	-	-	-	-
Combined utility systems ^{6*}	-	42.1	41.2	41.4	41.2	-	-	-	-	-
Water, steam, and sanitary systems	-	42.0	41.4	41.3	41.2	-	-	-	-	-

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 earnings					Average hourly earnings				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
WHOLESALE AND RETAIL TRADE⁶	-	\$81.54	\$80.50	\$78.79	\$78.79	-	\$2.08	\$2.08	\$2.01	\$2.01
WHOLESALE TRADE	-	103.32	102.82	99.72	99.55	-	2.52	2.52	2.45	2.44
Motor vehicles and automotive equipment	-	97.06	96.60	95.11	94.89	-	2.30	2.30	2.27	2.27
Drugs, chemicals, and allied products	-	105.30	104.38	100.65	100.60	-	2.60	2.59	2.51	2.49
Dry goods and apparel	-	94.62	94.12	92.37	90.86	-	2.49	2.49	2.45	2.41
Groceries and related products	-	98.75	97.39	93.83	94.75	-	2.34	2.33	2.25	2.24
Electrical goods	-	111.24	110.70	103.06	102.40	-	2.70	2.70	2.57	2.56
Hardware, plumbing, and heating goods	-	97.61	98.90	95.82	95.65	-	2.41	2.43	2.36	2.35
Machinery, equipment, and supplies	-	112.34	110.70	108.50	107.68	-	2.72	2.70	2.64	2.62
RETAIL TRADE⁶	-	71.81	70.69	69.30	69.30	-	1.87	1.87	1.80	1.80
General merchandise stores	-	57.56	56.93	55.22	55.38	-	1.64	1.65	1.56	1.56
Department stores	-	62.63	61.72	60.03	60.03	-	1.81	1.81	1.73	1.73
Limited price variety stores	-	42.64	41.21	41.50	41.08	-	1.30	1.30	1.25	1.23
Food stores	-	70.72	69.15	67.68	67.68	-	1.97	1.97	1.88	1.88
Grocery, meat, and vegetable stores	-	71.80	70.40	69.14	69.50	-	2.00	2.00	1.91	1.92
Apparel and accessories stores	-	56.35	55.75	55.11	55.77	-	1.61	1.63	1.57	1.58
Men's and boys' apparel stores	-	69.55	67.70	67.82	68.96	-	1.84	1.82	1.78	1.81
Women's ready-to-wear stores	-	50.22	49.83	48.56	49.27	-	1.46	1.47	1.42	1.42
Family clothing stores	-	55.55	53.90	54.62	55.34	-	1.61	1.59	1.53	1.55
Shoe stores	-	56.10	56.05	56.11	56.45	-	1.65	1.73	1.66	1.67
Furniture and appliance stores	-	85.86	84.63	84.05	82.42	-	2.12	2.10	2.05	2.02
Other retail trade	-	81.51	80.73	79.19	79.19	-	1.95	1.95	1.89	1.89
Motor vehicle dealers	-	101.64	102.31	97.90	98.11	-	2.31	2.32	2.23	2.24
Other vehicle and accessory dealers	-	89.00	86.88	83.10	84.23	-	2.00	1.97	1.88	1.91
Drug stores	-	61.59	60.06	60.54	60.59	-	1.66	1.65	1.61	1.62
FINANCE, INSURANCE, AND REAL ESTATE:										
Banking	-	76.30	75.89	74.40	74.77	-	2.04	2.04	2.00	2.01
Security dealers and exchanges ⁷	-	117.62	118.30	115.80	118.84	-	-	-	-	-
Insurance carriers ⁷	-	92.10	91.99	96.66	96.65	-	-	-	-	-
Life insurance ⁷	-	92.53	92.69	102.57	102.45	-	-	-	-	-
Accident and health insurance ⁷	-	80.13	80.02	81.84	81.86	-	-	-	-	-
Fire, marine, and casualty insurance ⁷	-	94.27	93.94	91.55	91.64	-	-	-	-	-
SERVICES AND MISCELLANEOUS:										
Hotels and lodging places:										
Hotels, tourist courts, and motels ⁸	-	48.07	47.62	48.31	47.96	-	1.22	1.24	1.19	1.19
Personal services:										
Laundries, cleaning and dyeing plants ⁹	-	55.58	56.16	51.48	52.00	-	1.44	1.44	1.32	1.33
Motion pictures:										
Motion picture filming and distributing	-	134.48	135.95	132.65	130.01	-	-	-	-	-

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				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
WHOLESALE AND RETAIL TRADE⁶	-	39.2	38.7	39.2	39.2	-	-	-	-	-
WHOLESALE TRADE	-	41.0	40.8	40.7	40.8	-	-	-	-	-
Motor vehicles and automotive equipment	-	42.2	42.0	41.9	41.8	-	-	-	-	-
Drugs, chemicals, and allied products	-	40.5	40.3	40.1	40.4	-	-	-	-	-
Dry goods and apparel	-	38.0	37.8	37.7	37.7	-	-	-	-	-
Groceries and related products	-	42.2	41.8	41.7	42.3	-	-	-	-	-
Electrical goods	-	41.2	41.0	40.1	40.0	-	-	-	-	-
Hardware, plumbing, and heating goods	-	40.5	40.7	40.6	40.7	-	-	-	-	-
Machinery, equipment, and supplies	-	41.3	41.0	41.1	41.1	-	-	-	-	-
RETAIL TRADE⁶	-	38.4	37.8	38.5	38.5	-	-	-	-	-
General merchandise stores	-	35.1	34.5	35.4	35.5	-	-	-	-	-
Department stores	-	34.6	34.1	34.7	34.7	-	-	-	-	-
Limited price variety stores	-	32.8	31.7	33.2	33.4	-	-	-	-	-
Food stores	-	35.9	35.1	36.0	36.0	-	-	-	-	-
Grocery, meat, and vegetable stores	-	35.9	35.2	36.2	36.2	-	-	-	-	-
Apparel and accessories stores	-	35.0	34.2	35.1	35.3	-	-	-	-	-
Men's and boys' apparel stores	-	37.8	37.2	38.1	38.1	-	-	-	-	-
Women's ready-to-wear stores	-	34.4	33.9	34.2	34.7	-	-	-	-	-
Family clothing stores	-	34.5	33.9	35.7	35.7	-	-	-	-	-
Shoe stores	-	34.0	32.4	33.8	33.8	-	-	-	-	-
Furniture and appliance stores	-	40.5	40.3	41.0	40.8	-	-	-	-	-
Other retail trade	-	41.8	41.4	41.9	41.9	-	-	-	-	-
Motor vehicle dealers	-	44.0	44.1	43.9	43.8	-	-	-	-	-
Other vehicle and accessory dealers	-	44.5	44.1	44.2	44.1	-	-	-	-	-
Drug stores	-	37.1	36.4	37.6	37.4	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE:										
Banking	-	37.4	37.2	37.2	37.2	-	-	-	-	-
Security dealers and exchanges	-	-	-	-	-	-	-	-	-	-
Insurance carriers	-	-	-	-	-	-	-	-	-	-
Life insurance	-	-	-	-	-	-	-	-	-	-
Accident and health insurance	-	-	-	-	-	-	-	-	-	-
Fire, marine, and casualty insurance	-	-	-	-	-	-	-	-	-	-
SERVICES AND MISCELLANEOUS:										
Hotels and lodging places:										
Hotels, tourist courts, and motels ⁸	-	39.4	38.4	40.6	40.3	-	-	-	-	-
Personal services:										
Laundries, cleaning and dyeing plants ⁹	-	38.6	39.0	39.0	39.1	-	-	-	-	-
Motion pictures:										
Motion picture filming and distributing	-	-	-	-	-	-	-	-	-	-

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

²Not available.

³Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1963, such employees made up 32 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴Data 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 1963, such employees made up 31 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵Data relate to nonsupervisory employees except messengers.

⁶Data exclude eating and drinking places.

⁷Beginning January 1964, data exclude earnings of nonoffice salesmen and are not necessarily comparable with series for prior years.

⁸Money payments only; additional value of board, room, uniforms, and tips, not included.

⁹Beginning January 1964, data relate to nonsupervisory workers and are not comparable with the production worker levels of prior years.

*Class I Railroads: April 1964 - \$119.78, \$2.76, and 43.4.

**Combined Utility Systems: May 1964 revised - \$134.72, \$3.27, and 41.2.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
MANUFACTURING	\$2.43	\$2.44	\$2.44	\$2.35	\$2.37
DURABLE GOODS	2.60	2.61	2.60	2.52	2.54
Ordnance and accessories	-	2.93	2.93	2.82	2.82
Lumber and wood products, except furniture	-	2.07	2.06	1.99	1.95
Furniture and fixtures	-	1.96	1.95	1.92	1.92
Stone, clay, and glass products	-	2.43	2.43	2.37	2.37
Primary metal industries	-	2.99	2.99	2.94	2.96
Fabricated metal products	-	2.57	2.58	2.51	2.51
Machinery	-	2.75	2.75	2.67	2.67
Electrical equipment and supplies	-	2.46	2.46	2.39	2.40
Transportation equipment	-	2.97	2.96	2.87	2.88
Instruments and related products	-	2.47	2.46	2.42	2.41
Miscellaneous manufacturing industries	-	2.02	2.02	1.95	1.97
NONDURABLE GOODS	2.20	2.21	2.20	2.13	2.15
Food and kindred products	-	2.27	2.29	2.18	2.21
Tobacco manufactures	-	2.00	1.99	1.80	1.99
Textile mill products	-	1.69	1.69	1.64	1.64
Apparel and related products	-	1.74	1.73	1.69	1.67
Paper and allied products	-	2.43	2.42	2.36	2.36
Printing, publishing, and allied industries	(2)	(2)	(2)	(2)	(2)
Chemicals and allied products	-	2.72	2.71	2.65	2.66
Petroleum refining and related industries	-	3.07	3.07	3.04	3.05
Rubber and miscellaneous plastic products	-	2.44	2.43	2.37	2.38
Leather and leather products	-	1.78	1.79	1.72	1.71

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

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

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

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

Industry	Gross average weekly earnings			Spendable average weekly earnings					
	July 1964	June 1964	July 1963	Worker with no dependents			Worker with three dependents		
				July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
MINING:									
Current dollars	\$116.76	\$118.44	\$112.06	\$95.28	\$96.60	\$89.34	\$103.57	\$104.98	\$97.77
1957-59 dollars	107.81	109.67	104.63	87.98	89.44	83.42	95.63	97.20	91.29
CONTRACT CONSTRUCTION:									
Current dollars	134.87	133.70	130.90	109.55	108.63	103.77	118.75	117.77	113.22
1957-59 dollars	124.53	123.80	122.22	101.15	100.58	96.89	109.65	109.05	105.71
MANUFACTURING:									
Current dollars	102.72	103.48	99.23	84.20	84.80	79.51	91.97	92.60	87.25
1957-59 dollars	94.85	95.81	92.65	77.75	78.52	74.24	84.92	85.74	81.47
WHOLESALE AND RETAIL TRADE:²									
Current dollars	81.54	80.50	78.79	67.37	66.55	63.64	74.75	73.92	70.98
1957-59 dollars	75.29	74.54	73.57	62.21	61.62	59.42	69.02	68.44	66.27

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

²Data exclude eating and drinking places.

NOTE: Data for the current month are preliminary.

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

1957-59=100

Industry	Aug. 1964	July 1964	June 1964	Aug. 1963	July 1963
	Man-hours				
TOTAL	108.5	106.3	106.8	105.4	103.9
MINING	85.3	83.6	85.7	84.7	82.6
CONTRACT CONSTRUCTION	128.8	125.3	120.8	125.6	121.9
MANUFACTURING	105.9	104.0	105.3	102.8	101.7
DURABLE GOODS	106.1	106.0	107.9	101.1	102.4
Ordnance and accessories	126.5	127.8	132.1	147.6	146.5
Lumber and wood products, except furniture ..	102.8	100.8	100.8	99.2	95.6
Furniture and fixtures	117.1	110.3	111.3	110.8	105.3
Stone, clay, and glass products	113.7	112.1	112.2	110.6	109.8
Primary metal industries	106.6	105.4	106.4	97.3	101.0
Fabricated metal products	110.2	107.3	109.9	104.7	102.7
Machinery	111.4	111.4	113.6	102.4	102.3
Electrical equipment and supplies	116.1	113.9	114.1	113.5	112.6
Transportation equipment	83.9	93.1	97.6	80.3	92.4
Instruments and related products	109.2	106.1	107.6	106.9	105.4
Miscellaneous manufacturing industries	110.1	103.4	107.0	107.8	99.9
NONDURABLE GOODS	105.7	101.4	102.0	104.9	100.8
Food and kindred products	101.2	94.3	90.9	104.2	97.5
Tobacco manufactures	97.0	77.3	80.4	107.7	74.6
Textile mill products	98.0	95.7	98.7	96.6	94.4
Apparel and related products	117.0	109.8	112.1	114.1	107.7
Paper and allied products	111.4	108.3	109.4	108.9	106.7
Printing, publishing, and allied industries	106.7	105.7	106.5	104.8	103.5
Chemicals and allied products	106.6	106.2	107.0	105.3	105.2
Petroleum refining and related industries	80.2	81.7	81.6	84.6	85.5
Rubber and miscellaneous plastic products	119.7	114.0	117.1	111.9	109.2
Leather and leather products	100.4	98.6	98.5	99.1	96.3
	Payrolls				
MINING	-	93.9	96.2	93.1	90.2
CONTRACT CONSTRUCTION	-	157.0	149.8	152.2	146.8
MANUFACTURING	126.4	124.3	126.1	118.2	118.1

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

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

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

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

Industry	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
MINING	41.6	41.4	41.8	42.0	41.8	41.6	42.0	41.6	41.5	41.4	41.8	41.8	41.5
CONTRACT CONSTRUCTION	37.0	36.9	37.5	37.4	37.3	37.6	37.4	35.6	36.6	36.9	37.6	37.3	37.2
MANUFACTURING	40.7	40.5	40.6	40.7	40.7	40.7	40.6	40.1	40.5	40.5	40.6	40.7	40.3
DURABLE	41.6	41.4	41.4	41.4	41.4	41.2	41.3	40.8	41.5	41.1	41.2	41.3	41.0
Ordnance and accessories	40.0	40.2	40.7	40.1	40.4	40.0	40.3	40.6	41.0	40.6	41.2	41.4	41.3
Lumber and wood products, except furniture ...	40.4	40.3	40.0	40.1	40.2	40.3	40.3	39.2	40.7	40.1	40.3	40.2	40.0
Furniture and fixtures	41.3	41.2	41.1	41.2	41.4	41.2	41.4	40.1	41.0	41.0	40.7	40.7	40.9
Stone, clay, and glass products	41.4	41.6	41.5	41.8	41.8	41.6	41.7	40.7	41.0	41.3	41.6	41.3	41.2
Primary metal industries	42.3	41.7	41.5	41.8	41.4	41.2	41.1	41.0	41.1	40.9	40.6	40.7	40.9
Fabricated metal products	41.6	41.7	41.4	41.7	41.8	41.6	41.8	41.3	41.8	41.5	41.6	41.4	41.1
Machinery	42.6	42.4	42.5	42.4	42.3	42.3	42.4	41.9	42.4	42.1	41.9	42.1	41.7
Electrical equipment and supplies	40.7	40.8	40.3	40.5	40.7	40.4	40.4	40.0	40.3	40.2	40.3	40.3	40.3
Transportation equipment	42.2	41.6	42.4	41.7	42.0	41.5	41.8	42.0	42.3	42.3	42.3	42.0	41.5
Instruments and related products	41.2	40.8	40.8	40.8	40.7	40.6	40.8	39.8	40.7	40.7	41.0	41.1	40.7
Miscellaneous manufacturing industries	39.9	39.7	39.5	39.5	39.8	39.8	39.8	38.8	39.5	39.4	39.7	39.8	39.8
NONDURABLE GOODS	39.6	39.5	39.7	39.8	39.8	39.9	39.9	39.1	39.6	39.5	39.8	39.7	39.6
Food and kindred products	40.7	40.5	40.8	40.9	41.0	40.8	41.0	40.7	41.0	40.9	41.0	40.9	41.0
Tobacco manufactures	38.4	39.1	39.2	39.6	40.5	39.7	36.5	37.6	38.2	39.2	38.1	37.2	39.9
Textile mill products	41.1	40.8	40.8	41.1	41.1	41.1	41.2	40.4	41.1	40.8	41.0	40.7	40.5
Apparel and related products	35.8	36.0	35.9	35.9	36.4	36.3	36.4	34.7	36.0	35.7	36.4	36.6	35.9
Paper and allied products	43.1	42.8	42.7	42.8	42.8	42.7	43.0	42.5	43.0	42.8	43.0	42.8	42.7
Printing, publishing, and allied industries	38.5	38.4	38.4	38.5	38.7	38.5	38.5	38.1	38.4	38.1	38.4	38.4	38.4
Chemicals and allied products	41.6	41.4	41.4	41.6	41.4	41.8	41.5	41.2	41.7	41.4	41.5	41.5	41.5
Petroleum refining and related industries	41.5	41.5	41.7	42.0	41.4	42.0	42.2	41.4	41.9	41.5	41.6	41.5	41.6
Rubber and miscellaneous plastic products	41.4	40.5	41.0	41.3	41.5	41.2	41.1	40.7	41.5	40.9	41.0	41.2	40.8
Leather and leather products	37.9	37.6	37.9	38.3	37.8	37.7	37.9	36.5	38.2	37.4	38.9	38.3	37.8
WHOLESALE AND RETAIL TRADE²	-	38.7	38.5	38.5	38.4	38.4	38.5	38.3	38.6	38.6	38.5	38.6	38.7
WHOLESALE TRADE	-	40.7	40.7	40.7	40.7	40.7	40.6	40.3	40.7	40.5	40.6	40.5	40.6
RETAIL TRADE²	-	37.8	37.6	37.5	37.4	37.4	37.5	37.3	37.8	37.7	37.8	37.7	37.8

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

²Data exclude eating and drinking places.

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

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

Industry	1957-59=100												
	Aug. 1964	July 1964	June 1964	May 1964	Apr. 1964	Mar. 1964	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963
TOTAL	104.2	104.2	104.3	103.9	104.0	103.5	103.4	100.1	102.2	101.2	102.3	101.9	101.2
MINING	82.4	83.3	82.8	81.9	81.8	80.6	81.4	80.9	81.6	81.0	81.6	82.1	81.7
CONTRACT CONSTRUCTION	108.5	108.7	110.5	109.3	108.5	110.7	111.5	99.5	105.4	104.5	106.7	106.2	105.9
MANUFACTURING	104.5	104.4	104.2	104.1	104.2	103.4	103.1	101.1	102.7	101.7	102.5	102.1	101.3
DURABLE GOODS	107.0	106.8	106.2	105.6	106.2	104.8	104.2	102.6	104.0	102.9	103.4	103.0	101.9
Ordnance and accessories	128.1	130.0	134.1	134.6	138.0	137.9	140.1	146.2	147.6	144.9	150.8	150.3	149.9
Lumber and wood products, except furniture ...	95.7	95.7	94.0	94.6	95.9	97.8	96.9	93.6	97.3	95.2	94.6	94.2	92.3
Furniture and fixtures	113.6	113.0	112.1	110.4	111.2	109.7	109.6	105.8	107.9	107.2	106.4	106.7	107.3
Stone, clay, and glass products	107.6	107.7	107.4	107.1	107.1	107.0	106.4	102.4	103.6	104.6	104.5	103.5	104.5
Primary metal industries	107.9	106.8	104.4	103.9	102.6	100.0	99.3	98.2	98.2	96.6	95.8	96.8	98.8
Fabricated metal products	109.5	108.8	108.0	108.0	108.9	107.5	106.9	104.6	106.2	104.7	105.5	105.0	103.7
Machinery	113.1	111.8	111.4	110.3	109.5	108.9	107.2	107.3	108.1	106.7	106.2	105.4	104.1
Electrical equipment and supplies	116.5	117.3	114.8	114.8	115.5	113.8	113.1	112.4	113.5	112.6	113.9	113.7	113.9
Transportation equipment	93.5	95.0	97.4	95.9	98.4	95.3	95.2	94.5	95.6	94.5	96.8	95.5	89.7
Instruments and related products	109.3	108.2	107.3	106.4	106.6	106.3	106.4	103.4	106.2	106.2	106.5	106.8	107.0
Miscellaneous manufacturing industries	106.6	106.4	105.5	104.5	105.3	104.7	104.7	100.5	102.9	103.0	102.8	104.0	104.3
NONDURABLE GOODS	101.3	101.2	101.6	102.0	101.7	101.5	101.6	99.1	101.0	100.1	101.4	100.8	100.5
Food and kindred products	90.6	89.8	90.7	92.1	92.0	92.6	93.7	93.0	93.8	93.0	94.1	92.6	93.3
Tobacco manufactures	85.5	94.2	93.2	94.2	96.3	94.4	85.7	86.0	93.2	98.0	89.5	82.8	96.1
Textile mill products	96.4	96.3	96.8	97.6	97.6	97.7	97.8	95.2	96.5	95.9	96.3	95.3	94.9
Apparel and related products	111.3	112.3	113.1	112.0	112.1	110.5	110.9	104.8	108.4	107.1	111.1	111.2	108.6
Paper and allied products	109.3	108.3	107.9	107.7	107.3	107.0	107.3	105.8	107.5	106.6	107.1	106.6	106.8
Printing, publishing, and allied industries	106.9	106.9	106.8	107.0	107.1	106.2	105.8	104.4	105.4	103.3	104.3	104.6	104.8
Chemicals and allied products	106.6	106.5	106.3	106.0	104.7	106.1	105.1	104.0	105.5	104.5	105.3	105.1	105.3
Petroleum refining and related industries	78.1	78.8	78.5	79.1	78.6	80.5	80.8	79.3	81.7	81.6	82.4	82.2	82.4
Rubber and miscellaneous plastic products	119.1	115.8	116.1	118.4	117.9	116.3	114.6	111.7	113.1	111.9	111.1	112.0	111.2
Leather and leather products	96.4	96.6	96.8	97.8	95.3	94.7	94.9	90.8	95.6	94.0	98.7	97.2	95.3

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

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

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
ALABAMA.....	\$88.10	\$89.60	\$86.30	40.6	41.1	40.9	\$2.17	\$2.18	\$2.11
Birmingham.....	113.02	118.30	111.08	40.8	42.4	40.1	2.77	2.79	2.77
Mobile.....	111.02	107.01	110.35	42.7	41.0	41.8	2.60	2.61	2.64
ALASKA.....	(1)	157.34	150.97	(1)	44.7	48.7	(1)	3.52	3.10
ARIZONA.....	108.68	107.87	106.93	40.4	40.4	40.2	2.69	2.67	2.66
Phoenix.....	109.35	108.94	108.41	40.5	40.5	40.3	2.70	2.69	2.69
Tucson.....	115.44	116.72	109.34	39.0	39.7	38.5	2.96	2.94	2.84
ARKANSAS.....	72.80	72.75	70.28	40.9	41.1	41.1	1.78	1.77	1.71
Fort Smith.....	69.81	69.60	71.20	39.0	40.0	40.0	1.79	1.74	1.78
Little Rock-North Little Rock.....	71.60	73.08	68.34	40.0	40.6	40.2	1.79	1.80	1.70
Pine Bluff.....	86.90	86.22	88.75	40.8	40.1	40.9	2.13	2.15	2.17
CALIFORNIA.....	119.29	119.58	116.76	40.3	40.4	40.4	2.96	2.96	2.89
Bakersfield.....	128.79	133.31	126.79	40.5	41.4	41.3	3.18	3.22	3.07
Fresno.....	103.02	99.45	96.72	40.4	39.0	39.0	2.55	2.55	2.48
Los Angeles-Long Beach.....	117.86	118.03	113.93	40.5	40.7	40.4	2.91	2.90	2.82
Sacramento.....	138.98	134.13	140.19	40.4	39.8	42.1	3.44	3.37	3.33
San Bernardino-Riverside-Ontario.....	120.69	121.29	117.74	40.5	40.7	40.6	2.98	2.98	2.90
San Diego.....	126.58	127.70	124.09	40.7	40.8	39.9	3.11	3.13	3.11
San Francisco-Oakland.....	127.04	124.97	124.18	39.7	39.3	39.8	3.20	3.18	3.12
San Jose.....	118.48	121.50	117.79	40.3	40.1	40.9	2.94	3.03	2.88
Stockton.....	117.83	116.87	117.16	41.2	40.3	41.4	2.86	2.90	2.83
COLORADO.....	112.19	114.82	110.68	41.4	41.6	41.3	2.71	2.76	2.68
Denver.....	113.85	115.51	110.02	41.1	41.4	40.9	2.77	2.79	2.69
CONNECTICUT.....	107.53	109.41	104.24	41.2	41.6	41.2	2.61	2.63	2.53
Bridgeport.....	112.61	113.70	108.68	41.4	41.8	41.8	2.72	2.72	2.60
Hartford.....	112.17	113.28	110.46	41.7	41.8	42.0	2.69	2.71	2.63
New Britain.....	109.56	110.24	102.72	41.5	41.6	40.6	2.64	2.65	2.53
New Haven.....	106.60	106.45	101.05	41.0	41.1	40.1	2.60	2.59	2.52
Stamford.....	109.89	112.19	112.05	40.7	41.4	41.5	2.70	2.71	2.70
Waterbury.....	108.68	108.42	104.49	41.8	41.7	41.3	2.68	2.60	2.53
DELAWARE.....	107.71	103.02	103.98	40.8	40.4	41.1	2.64	2.55	2.53
Wilmington.....	121.42	116.23	116.03	41.3	40.5	41.0	2.94	2.87	2.83
DISTRICT OF COLUMBIA:									
Washington.....	110.54	111.28	111.67	39.2	39.6	39.6	2.82	2.81	2.82
FLORIDA.....	88.18	87.13	86.32	41.4	41.1	41.3	2.13	2.12	2.09
Jacksonville.....	87.91	88.26	87.02	40.7	40.3	40.1	2.16	2.19	2.17
Miami.....	83.21	81.37	78.99	40.2	39.5	39.3	2.07	2.06	2.01
Tampa-St. Petersburg.....	88.41	88.20	89.89	42.1	42.2	42.4	2.10	2.09	2.12
GEORGIA.....	77.36	77.93	72.44	40.5	40.8	39.8	1.91	1.91	1.82
Atlanta.....	95.51	95.98	91.71	40.3	40.5	40.4	2.37	2.37	2.27
Savannah.....	103.00	102.06	90.32	41.2	42.0	39.1	2.50	2.43	2.31
HAWAII.....	(1)	79.13	80.04	(1)	38.6	42.8	(1)	2.05	1.87
IDAHO.....	107.86	109.74	102.26	40.7	42.7	41.4	2.65	2.57	2.47
ILLINOIS.....	112.24	113.00	108.82	40.9	41.0	40.8	2.74	2.75	2.66
Chicago.....	113.86	114.45	110.80	40.8	41.0	40.9	2.79	2.79	2.71
Deavenport-Rock Island-Moline.....	127.25	125.98	120.72	41.8	41.2	41.0	3.05	3.06	2.94
Peoria.....	127.82	136.39	119.95	42.0	43.8	41.0	3.05	3.12	2.93
Rockford.....	111.88	111.89	106.14	42.9	42.4	42.2	2.61	2.64	2.51
INDIANA.....	115.86	116.46	112.27	41.2	41.4	41.0	2.81	2.81	2.74
Indianapolis.....	(1)	119.80	111.54	(1)	42.3	41.1	(1)	2.83	2.71
IOWA.....	106.78	109.32	103.64	39.5	40.4	39.9	2.71	2.70	2.60
Des Moines.....	112.61	117.08	114.09	38.2	39.4	39.5	2.95	2.97	2.89
KANSAS.....	108.73	110.09	106.80	41.6	41.9	41.9	2.61	2.62	2.55
Topeka.....	115.15	118.74	110.74	41.9	42.9	41.3	2.75	2.77	2.68
Wichita.....	116.60	117.04	113.98	41.5	41.6	41.6	2.81	2.81	2.74

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		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
KENTUCKY.....	\$96.32	\$99.47	\$96.87	39.8	40.6	40.7	\$2.42	\$2.45	\$2.38
Louisville.....	114.96	116.91	113.03	41.2	41.7	41.5	2.79	2.80	2.72
LOUISIANA.....	104.65	104.25	101.40	41.2	41.7	41.9	2.54	2.50	2.42
Baton Rouge.....	128.34	127.51	126.59	41.4	41.4	41.1	3.10	3.08	3.08
New Orleans.....	106.52	103.97	102.06	40.5	40.3	40.5	2.63	2.58	2.52
Shreveport.....	100.91	101.20	99.30	42.4	42.7	41.9	2.38	2.37	2.37
MAINE.....	82.20	83.01	80.32	41.1	41.3	41.4	2.00	2.01	1.94
Lewiston-Auburn.....	68.99	68.50	67.47	39.2	38.7	39.0	1.76	1.77	1.73
Portland.....	87.02	89.13	90.07	40.1	40.7	41.7	2.17	2.19	2.16
MARYLAND.....	104.14	104.96	101.59	41.0	41.0	40.8	2.54	2.56	2.49
Baltimore.....	110.70	110.97	107.16	41.0	41.1	40.9	2.70	2.70	2.62
MASSACHUSETTS.....	94.16	95.27	90.91	39.9	40.2	39.7	2.36	2.37	2.29
Boston.....	102.03	103.06	98.25	39.7	40.1	39.3	2.57	2.57	2.50
Fall River.....	66.74	66.50	63.90	35.5	35.0	35.5	1.88	1.90	1.80
New Bedford.....	75.46	77.03	71.43	38.5	39.1	38.2	1.96	1.97	1.87
Springfield-Chicopee-Holyoke.....	98.58	100.45	95.18	40.4	41.0	40.5	2.44	2.45	2.35
Worcester.....	102.09	101.75	96.32	41.0	40.7	39.8	2.49	2.50	2.42
MICHIGAN.....	132.86	135.99	126.86	42.9	43.7	42.4	3.10	3.11	2.99
Detroit.....	139.44	142.29	135.21	42.8	43.7	42.8	3.26	3.26	3.16
Flint.....	149.08	156.07	142.12	43.2	44.4	44.0	3.45	3.52	3.23
Grand Rapids.....	110.25	112.24	106.76	39.8	40.3	39.6	2.77	2.79	2.70
Lansing.....	134.96	139.61	128.19	42.4	43.6	41.7	3.18	3.20	3.07
Muskegon-Muskegon Heights.....	114.10	116.88	116.28	39.7	40.5	40.6	2.87	2.89	2.86
Saginaw.....	140.52	144.93	132.67	45.3	46.6	43.9	3.10	3.11	3.02
MINNESOTA.....	105.41	108.04	102.70	40.3	41.0	40.6	2.61	2.64	2.53
Duluth-Superior.....	106.58	109.47	106.87	39.4	40.1	40.2	2.71	2.73	2.66
Minneapolis-St. Paul.....	111.59	114.18	108.61	40.1	41.1	40.3	2.78	2.78	2.70
MISSISSIPPI.....	72.57	71.98	68.45	41.0	40.9	40.5	1.77	1.76	1.69
Jackson.....	76.50	76.01	72.00	42.5	42.7	40.0	1.80	1.78	1.80
MISSOURI.....	102.67	102.29	99.69	40.6	40.4	40.4	2.53	2.53	2.47
Kansas City.....	112.83	116.16	107.28	41.1	42.0	40.4	2.74	2.76	2.66
St. Louis.....	115.17	114.47	113.22	40.7	40.4	40.9	2.83	2.83	2.77
MONTANA.....	114.06	109.21	101.19	42.4	40.3	37.9	2.69	2.71	2.67
NEBRASKA.....	101.40	104.48	98.90	43.3	44.1	43.8	2.34	2.37	2.26
Omaha.....	108.42	113.03	108.15	42.0	43.3	43.2	2.58	2.61	2.50
NEVADA.....	129.92	131.63	125.45	40.1	40.5	39.7	3.24	3.25	3.16
NEW HAMPSHIRE.....	80.80	81.80	76.61	40.2	40.9	39.9	2.01	2.00	1.92
Manchester.....	75.85	76.24	70.49	39.1	39.3	38.1	1.94	1.94	1.85
NEW JERSEY.....	108.67	108.94	104.64	40.7	40.8	40.4	2.67	2.67	2.59
Jersey City ²	105.46	106.52	103.79	40.1	40.5	40.7	2.63	2.63	2.55
Newark ²	109.06	108.94	104.23	41.0	40.8	40.4	2.66	2.67	2.58
Paterson-Clifton-Passaic ²	109.61	108.79	105.30	40.9	40.9	40.5	2.68	2.66	2.60
Perth Amboy ²	111.78	115.23	108.81	40.5	41.3	40.6	2.76	2.79	2.68
Trenton.....	107.59	107.33	101.91	40.6	40.5	39.5	2.65	2.65	2.58
NEW MEXICO.....	88.98	91.48	94.89	39.9	40.3	41.8	2.23	2.27	2.27
Albuquerque.....	92.66	95.59	101.28	39.6	39.5	42.2	2.34	2.42	2.40

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		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
NEW YORK.....	\$102.44	\$102.96	\$99.06	39.4	39.6	39.0	\$2.60	\$2.60	\$2.54
Albany-Schenectady-Troy.....	112.03	113.27	110.98	40.3	40.6	40.8	2.78	2.79	2.72
Binghamton.....	97.12	97.77	91.03	40.3	40.4	38.9	2.41	2.42	2.34
Buffalo.....	124.80	126.84	119.84	41.6	42.0	40.9	3.00	3.02	2.93
Elmira.....	103.46	102.91	98.85	40.1	40.2	39.7	2.58	2.56	2.49
Nassau and Suffolk Counties ³	106.92	106.79	105.07	39.6	39.7	39.5	2.70	2.69	2.66
New York-Northeastern New Jersey.....	101.53	101.66	97.91	38.9	39.1	38.7	2.61	2.60	2.53
New York SMSA ²	97.40	97.16	94.38	37.9	38.1	37.6	2.57	2.55	2.51
New York City ³	95.37	95.38	92.26	37.4	37.7	37.2	2.55	2.53	2.48
Rochester.....	119.13	118.69	115.51	41.8	41.5	41.4	2.85	2.86	2.79
Syracuse.....	109.88	110.43	109.18	41.0	40.9	41.2	2.68	2.70	2.65
Utica-Rome.....	98.25	97.77	96.96	40.6	40.4	40.4	2.42	2.42	2.40
Westchester County ³	103.20	102.29	99.79	40.0	39.8	39.6	2.58	2.57	2.52
NORTH CAROLINA.....	71.23	72.10	68.14	40.7	41.2	40.8	1.75	1.75	1.67
Charlotte.....	77.68	78.21	75.12	41.1	41.6	41.5	1.89	1.88	1.81
Greensboro-High Point.....	72.36	72.36	67.37	40.2	40.2	39.4	1.80	1.80	1.71
NORTH DAKOTA.....	96.45	95.40	102.92	42.9	42.6	43.2	2.25	2.24	2.38
Fargo-Moorhead.....	109.76	107.26	105.46	42.6	42.6	42.5	2.57	2.52	2.48
OHIO.....	121.63	121.75	116.96	41.8	41.8	41.3	2.91	2.91	2.83
Akron.....	136.49	134.98	126.58	41.7	41.6	40.4	3.27	3.24	3.13
Canton.....	120.04	117.69	116.62	40.9	40.3	40.2	2.93	2.92	2.90
Cincinnati.....	114.97	115.08	111.43	42.1	42.0	41.9	2.73	2.74	2.66
Cleveland.....	125.87	127.80	119.06	42.3	42.7	41.3	2.98	2.99	2.88
Columbus.....	114.13	112.94	108.20	41.5	41.0	40.4	2.75	2.75	2.68
Dayton.....	129.62	131.26	127.52	42.1	42.6	42.4	3.08	3.08	3.01
Toledo.....	122.89	120.85	118.93	41.3	40.7	40.9	2.98	2.97	2.91
Youngstown-Warren.....	132.13	131.39	126.93	41.0	41.0	40.0	3.22	3.20	3.17
OKLAHOMA.....	98.00	97.58	93.48	41.7	41.7	41.0	2.35	2.34	2.28
Oklahoma City.....	94.15	94.81	89.46	42.6	42.9	42.0	2.21	2.21	2.13
Tulsa.....	105.00	104.49	99.95	41.5	41.3	41.3	2.53	2.53	2.42
OREGON.....	113.26	114.16	108.63	39.6	39.5	39.5	2.86	2.89	2.75
Portland.....	113.37	113.20	107.97	39.5	38.9	38.7	2.87	2.91	2.79
PENNSYLVANIA.....	102.11	102.77	98.85	40.2	40.3	39.7	2.54	2.55	2.49
Allentown-Bethlehem-Easton.....	100.08	98.94	94.08	39.4	38.8	38.4	2.54	2.55	2.45
Altoona.....	84.99	82.11	82.43	39.9	39.1	38.7	2.13	2.10	2.13
Erie.....	108.58	113.16	108.42	41.6	42.7	41.7	2.61	2.65	2.60
Harrisburg.....	91.02	90.09	86.15	41.0	40.4	39.7	2.22	2.23	2.17
Johnstown.....	108.98	103.30	103.06	39.2	37.7	38.6	2.78	2.74	2.67
Lancaster.....	91.76	92.89	85.97	40.6	41.1	39.8	2.26	2.26	2.16
Philadelphia.....	105.60	105.60	102.54	39.7	39.7	39.9	2.66	2.66	2.57
Pittsburgh.....	125.56	127.51	120.80	40.9	41.4	40.0	3.07	3.08	3.02
Reading.....	90.12	91.37	88.58	39.7	39.9	39.9	2.27	2.29	2.22
Scranton.....	73.88	74.66	72.20	37.5	37.9	38.0	1.97	1.97	1.90
Wilkes-Barre-Hazleton.....	71.02	72.18	69.92	36.8	37.4	36.8	1.93	1.93	1.90
York.....	88.58	90.31	84.46	41.2	42.2	41.4	2.15	2.14	2.04
RHODE ISLAND.....	84.19	84.42	81.40	39.9	40.2	40.1	2.11	2.10	2.03
Providence-Pawtucket-Warwick.....	84.40	84.63	83.03	40.0	40.3	40.5	2.11	2.10	2.05
SOUTH CAROLINA.....	72.80	73.16	68.04	40.9	41.1	40.5	1.78	1.78	1.68
Charleston.....	82.40	81.80	80.60	40.0	39.9	40.5	2.06	2.05	1.99
Greenville.....	72.38	72.38	64.16	41.6	41.6	40.1	1.74	1.74	1.60
SOUTH DAKOTA.....	104.86	106.42	101.19	44.9	46.0	46.6	2.34	2.31	2.17
Sioux Falls.....	116.06	120.43	112.01	46.8	48.1	46.5	2.48	2.50	2.41
TENNESSEE.....	82.62	83.84	80.34	40.9	41.1	41.2	2.02	2.04	1.95
Chattanooga.....	88.99	91.34	84.02	41.2	41.9	40.2	2.16	2.18	2.09
Knoxville.....	92.10	93.60	92.29	39.7	40.0	40.3	2.32	2.34	2.29
Memphis.....	92.57	94.53	90.23	40.6	41.1	41.2	2.28	2.30	2.19
Nashville.....	88.78	88.17	86.53	41.1	41.2	41.4	2.16	2.14	2.09

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		
	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963	July 1964	June 1964	July 1963
TEXAS	\$102.48	\$101.16	\$98.65	42.0	41.8	41.8	\$2.44	\$2.42	\$2.36
Dallas.....	91.10	90.69	88.62	41.6	41.6	42.2	2.19	2.18	2.10
Fort Worth.....	109.31	107.95	101.02	42.7	42.5	41.4	2.56	2.54	2.44
Houston.....	123.48	121.09	116.72	44.1	43.4	42.6	2.80	2.79	2.74
San Antonio.....	75.44	75.99	71.69	41.0	41.3	40.5	1.84	1.84	1.77
UTAH	111.92	114.90	110.02	40.7	40.6	40.9	2.75	2.83	2.69
Salt Lake City.....	109.48	109.75	106.66	40.7	40.8	40.4	2.69	2.69	2.64
VERMONT	86.53	87.15	83.02	41.4	41.9	41.1	2.09	2.08	2.02
Burlington.....	91.48	93.60	89.15	40.3	41.6	39.8	2.27	2.25	2.24
Springfield.....	100.06	99.42	96.37	42.4	41.6	41.9	2.36	2.39	2.30
VIRGINIA	84.46	84.25	80.75	41.2	41.3	41.2	2.05	2.04	1.96
Norfolk-Portsmouth.....	89.89	93.09	86.92	42.6	43.5	41.0	2.11	2.14	2.12
Richmond.....	92.39	91.17	88.29	40.7	40.7	40.5	2.27	2.24	2.18
Roanoke.....	81.54	82.22	77.11	41.6	42.6	42.6	1.96	1.93	1.81
WASHINGTON	117.41	117.41	113.00	39.4	39.4	39.1	2.98	2.98	2.89
Seattle-Everett.....	118.11	117.78	115.63	39.5	39.0	39.6	2.99	3.02	2.92
Spokane.....	122.61	120.80	120.08	40.2	40.4	39.5	3.05	2.99	3.04
Tacoma.....	114.85	117.90	108.49	38.8	39.3	38.2	2.96	3.00	2.84
WEST VIRGINIA	106.27	106.53	104.00	39.8	40.2	40.0	2.67	2.65	2.60
Charleston.....	130.41	130.92	125.66	41.4	41.3	41.2	3.15	3.17	3.05
Huntington-Ashland.....	114.91	114.16	111.61	39.9	39.5	39.3	2.88	2.89	2.84
Wheeling.....	109.45	112.74	109.08	39.8	41.6	40.4	2.75	2.71	2.70
WISCONSIN	108.44	111.26	105.66	41.6	41.9	41.5	2.61	2.65	2.55
Green Bay.....	111.82	111.49	105.71	44.1	43.7	43.4	2.54	2.55	2.44
Kenosha.....	123.94	121.43	122.39	41.3	40.8	41.3	3.00	2.98	2.97
La Crosse.....	103.03	103.24	104.17	40.0	40.2	41.0	2.57	2.57	2.54
Madison.....	112.37	111.77	109.92	41.2	40.8	40.9	2.72	2.74	2.69
Milwaukee.....	121.02	122.98	117.39	41.1	41.6	41.1	2.95	2.96	2.86
Racine.....	116.94	116.48	109.55	40.9	41.0	40.1	2.86	2.84	2.73
WYOMING	103.60	108.20	107.84	38.8	38.1	39.5	2.67	2.84	2.73
Casper.....	128.33	117.69	122.18	41.8	39.1	41.7	3.07	3.01	2.93

¹ Not available.

² Area included in New York-Northeastern New Jersey Standard Consolidated Area.

³ 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
Total accessions													
1954.....	3.2	2.9	3.3	2.9	3.2	4.3	3.8	4.3	4.3	4.4	4.0	2.9	3.6
1955.....	3.8	3.7	4.2	4.2	4.5	5.3	4.5	5.8	5.5	5.0	4.0	2.9	4.5
1956.....	3.8	3.6	3.6	4.0	4.1	5.1	4.3	4.9	5.2	5.1	3.6	2.7	4.2
1957.....	3.7	3.3	3.3	3.4	3.6	4.8	4.2	4.1	4.1	3.5	2.6	2.0	3.6
1958.....	2.9	2.6	2.8	3.1	3.6	4.7	4.2	4.9	5.0	4.0	3.2	2.7	3.6
1959 ¹	3.8	3.7	4.1	4.1	4.2	5.4	4.4	5.2	5.1	3.9	3.4	3.6	4.2
1960.....	4.0	3.5	3.3	3.4	3.9	4.7	3.9	4.9	4.8	3.5	2.9	2.3	3.8
1961.....	3.7	3.2	4.0	4.0	4.3	5.0	4.4	5.3	4.7	4.3	3.4	2.6	4.1
1962.....	4.1	3.6	3.8	4.0	4.3	5.0	4.5	5.1	4.9	3.9	3.0	2.4	4.1
1963.....	3.6	3.3	3.5	3.9	4.0	4.8	4.3	4.8	4.8	3.9	2.9	2.5	3.9
1964.....	3.6	3.4	3.7	3.8	3.9	5.1	4.2						
New hires													
1954.....	1.6	1.5	1.7	1.5	1.7	2.3	2.1	2.3	2.4	2.2	2.1	1.5	1.9
1955.....	2.0	2.1	2.6	2.6	3.0	3.8	3.3	4.1	3.9	3.5	2.9	2.0	3.0
1956.....	2.5	2.4	2.2	2.5	2.8	3.6	2.9	3.4	3.4	3.2	2.3	1.8	2.8
1957.....	2.3	2.0	2.0	2.1	2.3	3.2	2.8	2.7	2.5	2.1	1.3	.8	2.2
1958.....	1.2	1.1	1.1	1.3	1.5	2.2	2.1	2.4	2.6	2.2	1.7	1.3	1.7
1959.....	2.0	2.1	2.4	2.5	2.7	3.7	3.0	3.5	3.5	2.6	1.9	1.5	2.6
1960.....	2.2	2.2	2.0	2.0	2.3	3.0	2.4	2.9	2.8	2.1	1.5	1.0	2.2
1961.....	1.5	1.4	1.6	1.8	2.1	2.9	2.5	3.1	3.0	2.7	2.0	1.4	2.2
1962.....	2.2	2.1	2.2	2.4	2.8	3.5	2.9	3.2	3.1	2.5	1.8	1.2	2.5
1963.....	1.9	1.8	2.0	2.3	2.5	3.3	2.7	3.2	3.1	2.6	1.8	1.4	2.4
1964.....	2.0	2.0	2.2	2.4	2.5	3.6	2.9						
Total separations													
1954.....	4.9	4.0	4.1	4.4	3.8	3.8	3.7	4.1	4.9	4.2	3.7	3.6	4.1
1955.....	3.3	2.8	3.3	3.6	3.7	4.0	4.1	4.7	5.5	4.4	3.8	3.6	3.9
1956.....	4.1	4.1	3.9	3.9	4.3	4.2	3.8	4.6	5.5	4.4	4.0	3.4	4.2
1957.....	3.8	3.4	3.7	3.8	3.9	3.7	3.7	4.7	5.5	5.0	4.9	4.6	4.2
1958.....	5.4	4.1	4.5	4.4	3.9	3.5	3.7	4.1	4.5	4.1	3.6	3.5	4.1
1959 ¹	3.7	3.1	3.3	3.6	3.5	3.6	4.0	4.6	5.3	5.5	4.7	3.9	4.1
1960.....	3.6	3.5	4.0	4.2	3.9	4.0	4.4	4.8	5.3	4.7	4.5	4.8	4.3
1961.....	4.7	3.9	3.8	3.4	3.5	3.6	4.1	4.2	5.1	4.2	4.0	4.0	4.0
1962.....	3.9	3.4	3.6	3.6	3.8	3.8	4.4	5.1	5.0	4.4	4.0	3.8	4.1
1963.....	4.0	3.2	3.5	3.6	3.6	3.4	4.1	4.7	4.9	4.1	3.8	3.7	3.9
1964.....	4.0	3.3	3.5	3.5	3.6	3.5	4.1						
Quits													
1954.....	1.3	1.2	1.2	1.4	1.2	1.3	1.4	1.7	2.2	1.5	1.3	1.0	1.4
1955.....	1.2	1.2	1.5	1.8	1.7	1.8	2.0	2.7	3.5	2.2	1.8	1.3	1.9
1956.....	1.6	1.6	1.7	1.8	1.8	2.0	1.9	2.7	3.2	2.1	1.6	1.2	1.9
1957.....	1.5	1.4	1.5	1.6	1.6	1.6	1.7	2.3	2.7	1.6	1.1	.8	1.6
1958.....	.9	.8	.8	.8	.9	1.0	1.1	1.5	1.9	1.3	1.0	.8	1.1
1959.....	1.1	1.0	1.2	1.4	1.5	1.5	1.6	2.1	2.6	1.7	1.2	1.0	1.5
1960.....	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.8	2.3	1.3	.9	.7	1.3
1961.....	.9	.8	.9	1.0	1.1	1.2	1.2	1.7	2.3	1.4	1.1	.9	1.2
1962.....	1.1	1.1	1.2	1.3	1.5	1.5	1.4	2.1	2.4	1.5	1.1	.8	1.4
1963.....	1.1	1.0	1.2	1.3	1.4	1.4	1.4	2.1	2.4	1.5	1.1	.8	1.4
1964.....	1.2	1.1	1.2	1.3	1.5	1.4	1.5						
Layoffs													
1954.....	3.2	2.4	2.5	2.7	2.2	2.1	1.9	2.0	2.1	2.1	2.0	2.2	2.3
1955.....	1.7	1.2	1.4	1.4	1.3	1.5	1.6	1.5	1.4	1.6	1.5	1.8	1.5
1956.....	1.9	2.0	1.7	1.6	1.9	1.6	1.5	1.4	1.8	1.7	1.9	1.8	1.7
1957.....	1.7	1.5	1.5	1.7	1.8	1.4	1.6	1.9	2.3	3.0	3.4	3.4	2.1
1958.....	4.0	2.9	3.3	3.2	2.6	2.0	2.3	2.1	2.1	2.3	2.2	2.4	2.6
1959.....	2.1	1.5	1.6	1.6	1.4	1.4	1.8	1.8	2.0	3.2	2.9	2.4	2.0
1960.....	1.8	1.7	2.2	2.2	1.9	2.0	2.4	2.4	2.4	2.8	3.1	3.6	2.4
1961.....	3.2	2.6	2.3	1.9	1.8	1.8	2.3	1.8	2.1	2.0	2.2	2.6	2.2
1962.....	2.1	1.7	1.6	1.6	1.6	1.6	2.2	2.2	1.9	2.2	2.3	2.5	2.0
1963.....	2.2	1.6	1.7	1.6	1.5	1.4	2.0	1.9	1.8	1.9	2.1	2.3	1.8
1964.....	2.0	1.5	1.6	1.4	1.4	1.3	1.8						

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

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

Data for the current month are preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

Table D-2: Labor turnover rates, by industry

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964
MANUFACTURING	4.2	5.1	2.9	3.6	4.1	3.5	1.5	1.4	1.8	1.3
DURABLE GOODS	3.7	4.6	2.5	3.3	4.0	3.3	1.3	1.3	1.9	1.3
NONDURABLE GOODS	5.0	5.6	3.4	4.0	4.2	3.7	1.8	1.6	1.8	1.4
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	1.3	2.2	0.6	1.3	4.2	4.6	1.0	1.1	2.9	2.9
Ammunition, except for small arms	1.1	2.2	.5	1.2	5.0	5.0	1.1	1.2	3.6	3.2
Sighting and fire control equipment .....	.8	2.2	.3	1.0	3.1	4.2	.7	1.2	1.4	1.6
Other ordnance and accessories	2.1	2.5	1.2	1.5	2.1	3.1	.8	.7	1.0	2.1
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	5.9	7.7	4.6	6.2	5.0	4.9	2.9	3.0	1.3	1.0
Sawmills and planing mills	4.5	6.4	3.9	5.5	3.9	4.0	2.4	2.6	.7	.6
Sawmills and planing mills, general	4.4	6.6	3.9	5.7	3.6	4.0	2.3	2.7	.6	.6
Millwork, plywood, and related products	4.2	6.4	3.7	5.6	4.4	4.0	2.3	2.5	1.3	.8
Millwork	4.0	6.4	3.5	5.7	4.4	3.9	2.2	2.5	1.5	.7
Veneer and plywood	3.8	5.7	3.5	5.0	3.5	3.6	2.4	2.5	.4	.3
Wooden containers	6.5	7.7	4.6	6.4	6.0	6.4	2.4	2.8	2.6	2.2
Wooden boxes, shooks, and crates	6.5	8.0	4.9	6.7	6.3	5.6	2.6	2.8	2.8	1.9
Miscellaneous wood products	5.6	6.0	4.7	5.2	5.8	4.6	3.0	2.5	1.9	1.1
FURNITURE AND FIXTURES	5.7	5.3	4.9	4.3	4.7	4.4	2.7	2.3	1.2	1.4
Household furniture	5.7	5.1	4.9	4.2	4.8	4.6	2.9	2.5	1.1	1.2
Wood house furniture, unupholstered	5.5	5.3	4.6	4.5	4.4	4.2	2.9	2.5	.7	.9
Wood house furniture, upholstered	5.1	3.5	4.3	2.9	3.7	3.4	2.7	1.7	.4	1.0
Mattresses and bedsprings	5.9	5.8	5.6	5.0	4.2	3.7	2.2	2.2	1.1	.8
Office furniture	3.8	3.8	3.1	2.8	2.2	2.4	1.4	1.2	.3	.6
STONE, CLAY, AND GLASS PRODUCTS	3.9	5.2	2.7	3.9	3.3	3.0	1.3	1.3	1.2	.9
Flat glass	6.1	4.3	1.1	2.3	2.4	2.3	.3	.2	1.7	1.6
Glass and glassware, pressed or blown	4.0	4.8	2.7	2.9	3.4	2.9	1.1	1.2	1.3	.8
Glass containers	4.3	6.0	3.1	3.9	3.8	3.0	1.3	1.5	1.4	.4
Pressed and blown glassware, n.e.c.	3.5	3.2	2.1	1.6	2.9	2.8	.9	.8	1.2	1.2
Cement, hydraulic	1.0	4.3	.8	2.8	1.3	1.2	.5	.5	.5	.3
Structural clay products	3.5	5.6	2.9	4.5	3.6	3.1	1.8	1.9	1.2	.6
Brick and structural clay tile	3.9	6.6	3.1	5.5	4.4	3.8	1.9	2.5	1.9	.7
Pottery and related products	2.4	3.8	1.7	2.4	2.4	3.2	1.1	.9	.7	1.7
Abrasive products	1.4	4.0	1.3	3.3	1.2	1.3	.5	.7	.4	.2
PRIMARY METAL INDUSTRIES	2.5	3.8	1.6	2.7	2.2	2.3	.8	.7	.7	.8
Blast furnace and basic steel products	2.3	3.6	1.4	2.6	1.8	1.5	.5	.5	.4	.4
Blast furnaces, steel and rolling mills	2.3	3.6	1.4	2.6	1.7	1.5	.5	.4	.3	.3
Iron and steel foundries	3.0	4.4	2.2	3.2	3.1	3.3	1.4	1.4	1.0	.7
Gray iron foundries	3.3	4.5	2.3	3.1	3.1	3.6	1.6	1.5	.9	.9
Malleable iron foundries	2.7	5.4	2.1	4.0	4.0	3.7	1.4	1.4	1.8	.2
Steel foundries	2.5	3.9	2.1	3.3	2.6	2.4	1.0	1.1	1.0	.5
Nonferrous smelting and refining	2.1	3.8	1.4	3.1	1.9	1.7	.6	.8	.8	.3
Nonferrous rolling, drawing, and extruding	2.2	3.4	1.1	2.0	1.9	2.4	.6	.6	.8	1.4
Copper rolling, drawing, and extruding	1.5	2.7	1.3	2.0	1.5	1.1	.6	.4	.4	.2
Aluminum rolling, drawing, and extruding	2.7	3.5	.8	1.6	2.1	2.7	.4	.5	1.2	1.8
Nonferrous wire drawing, and insulating	(1)	4.1	(1)	2.2	(1)	3.6	(1)	.8	(1)	2.3
Nonferrous foundries	3.6	4.8	2.7	3.6	4.0	3.6	1.6	1.4	1.8	1.4
Aluminum castings	4.0	4.8	3.1	3.5	5.2	4.4	1.9	1.5	2.6	1.9
Other nonferrous castings	3.1	4.8	2.3	3.7	2.7	2.8	1.1	1.3	1.1	1.0
Miscellaneous primary metal industries	(1)	3.4	(1)	2.7	(1)	5.6	(1)	.8	(1)	4.2
Iron and steel forgings	(1)	3.2	(1)	2.5	(1)	7.3	(1)	.8	(1)	6.0

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

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964
<i>Durable Goods--Continued</i>										
FABRICATED METAL PRODUCTS	4.4	5.4	3.2	3.8	4.7	3.9	1.5	1.4	2.4	1.7
Metal cans	6.2	7.1	4.3	3.8	3.8	4.5	.9	.9	2.1	2.6
Cutlery, hand tools, and general hardware	3.4	3.8	2.7	2.4	5.1	3.7	1.1	1.0	2.4	1.7
Cutlery and hand tools, including saws	2.8	3.3	2.4	2.6	2.6	1.8	1.1	1.0	.8	.3
Hardware, n.e.c.	3.8	4.1	2.9	2.3	6.7	4.9	1.0	1.0	3.4	2.5
Heating equipment and plumbing fixtures	3.4	4.3	2.3	3.3	3.2	3.5	1.3	1.3	1.1	1.5
Sanitary ware and plumbers' brass goods	2.8	4.2	2.1	3.0	3.3	2.8	1.4	1.3	1.2	.7
Heating equipment, except electric	3.8	4.5	2.5	3.5	3.0	4.0	1.2	1.3	1.1	2.1
Fabricated structural metal products	5.2	6.9	4.1	5.5	3.7	4.0	1.7	1.6	1.2	1.5
Fabricated structural steel	5.7	7.5	4.2	6.0	4.2	4.6	1.7	1.4	1.6	2.2
Fabricated plate work (boiler shops)	3.9	5.1	3.3	3.9	3.0	3.3	1.4	1.6	.8	1.0
Architectural and miscellaneous metal work	5.1	7.0	4.0	5.5	3.7	3.5	1.7	1.4	1.1	1.3
Screw machine products, bolts, etc.	2.8	4.0	2.2	3.0	3.2	2.3	1.7	1.2	.9	.5
Bolts, nuts, screws, rivets, and washers	2.2	3.3	1.9	2.6	2.2	1.9	1.2	1.0	.4	.2
Metal stampings	4.6	4.9	2.7	2.4	7.7	4.7	1.0	.9	6.1	2.9
Miscellaneous fabricated wire products	4.9	5.1	3.3	3.9	5.8	3.6	1.8	1.5	3.1	1.3
Miscellaneous fabricated metal products	3.3	4.1	1.9	2.8	3.6	3.0	1.2	1.2	1.7	1.2
Valves, pipe, and pipe fittings	2.7	3.9	1.8	3.0	2.9	2.7	1.2	1.2	1.0	.9
MACHINERY	2.9	4.1	2.2	3.2	2.8	2.6	1.1	1.0	1.1	.8
Engines and turbines	2.0	3.1	1.3	1.8	2.5	2.3	.6	.6	1.0	.4
Steam engines and turbines	1.9	2.2	.9	1.0	2.0	1.5	.3	.2	.3	.2
Internal combustion engines, n.e.c.	2.1	3.6	1.5	2.3	2.8	2.8	.8	.7	1.4	.4
Farm machinery and equipment	2.4	3.7	1.7	2.8	4.2	4.9	1.1	1.1	2.5	3.1
Construction and related machinery	2.7	4.2	2.4	3.4	2.1	2.2	1.1	1.1	.5	.5
Construction and mining machinery	2.2	3.9	2.0	3.2	1.9	2.2	1.0	1.0	.4	.5
Oil field machinery, and equipment	2.8	3.9	2.6	3.5	2.1	2.1	1.4	1.3	.1	.2
Conveyors, hoists, and industrial cranes	3.3	5.2	2.8	3.9	2.2	2.3	.9	1.0	.6	.4
Metalworking machinery and equipment	2.6	4.1	2.0	3.5	2.7	2.5	.9	1.0	1.1	.7
Machine tools, metal cutting types	1.8	3.7	1.6	3.3	1.8	1.5	.9	.8	.5	.1
Machine tool accessories	1.5	3.4	1.2	2.9	1.8	1.3	.7	.7	.5	.1
Miscellaneous metalworking machinery	2.5	3.3	2.2	2.7	1.3	1.5	.6	.7	.3	.3
Special industry machinery	2.6	3.4	2.1	2.8	2.6	2.1	1.2	1.0	.7	.5
Food products machinery	3.1	3.5	2.1	2.7	2.7	2.9	.9	1.0	1.3	1.3
Textile machinery	2.4	3.0	2.0	2.5	2.9	1.8	1.5	1.0	.9	.4
General industrial machinery	2.5	3.9	1.8	3.1	2.2	2.1	.9	1.0	.8	.7
Pumps; air and gas compressors	2.6	3.7	2.3	3.0	1.6	1.8	.9	1.0	.2	.3
Ball and roller bearings	1.4	3.4	1.0	2.1	1.4	2.4	.7	.5	.4	1.6
Mechanical power transmission goods	3.3	3.9	1.5	3.1	3.1	1.6	.8	.9	1.8	.2
Office, computing, and accounting machines	3.5	3.8	2.3	2.5	2.4	1.8	.9	.8	.9	.3
Computing machines and cash registers	3.6	4.0	2.7	2.6	2.3	1.8	.9	.8	.8	.2
Service industry machines	4.0	4.6	2.2	3.4	4.7	3.4	1.1	1.2	2.7	1.3
Refrigeration, except home refrigerators	5.0	5.3	2.3	3.6	5.7	4.0	1.2	1.3	3.4	1.6
ELECTRICAL EQUIPMENT AND SUPPLIES	3.2	4.0	2.0	2.6	3.1	2.8	1.2	1.2	1.3	.9
Electric distribution equipment	2.0	3.4	1.3	2.4	1.8	2.0	.9	1.0	.3	.4
Electric measuring instruments	1.9	3.5	1.0	2.5	2.0	2.6	1.0	1.3	.3	.7
Power and distribution transformers	2.6	3.1	1.6	1.9	1.5	1.6	.9	.8	.2	.3
Switchgear and switchboard apparatus	1.8	3.4	1.4	2.7	1.9	1.7	.9	.9	.2	.1
Electrical industrial apparatus	2.9	4.2	2.1	3.0	2.5	2.4	1.1	1.1	.8	.6
Motors and generators	2.7	3.4	1.9	2.0	2.7	2.6	1.2	1.0	1.0	.9
Industrial controls	2.7	4.4	2.1	3.7	1.9	1.9	1.1	1.0	.2	.3
Household appliances	2.4	3.7	1.7	2.4	3.2	2.4	1.1	.9	.5	.7
Household refrigerators and freezers	1.6	2.3	.6	1.2	4.8	2.0	.6	.6	3.7	.3
Household laundry equipment	1.5	6.5	1.3	3.5	1.1	1.5	.4	.6	.1	.4
Electric housewares and fans	4.2	5.0	3.0	3.6	3.1	4.0	1.8	1.7	.4	1.7
Electric lighting and wiring equipment	3.5	4.0	2.3	2.7	3.5	2.5	1.3	1.1	1.5	.7
Electric lamps	1.0	2.4	.9	1.6	1.8	1.3	.6	.7	1.0	.1
Lighting fixtures	5.1	4.5	3.6	2.9	5.3	3.2	1.8	1.1	2.8	1.4
Wiring devices	3.4	4.3	2.1	3.0	2.9	2.5	1.2	1.4	.7	.4
Radio and TV receiving sets	4.9	6.4	3.5	4.1	4.1	3.4	1.6	1.6	1.5	1.1
Communication equipment	2.0	2.9	1.8	1.8	2.4	2.6	1.0	1.0	.9	.9
Telephone and telegraph apparatus	(1)	2.3	(1)	1.7	(1)	1.4	(1)	.9	(1)	.1
Radio and TV communication equipment	2.0	3.2	1.3	1.8	2.8	3.1	1.0	1.1	1.3	1.3
Electronic components and accessories	4.9	5.4	2.5	3.5	5.2	4.3	1.6	1.7	2.7	1.6
Electron tubes	1.5	2.7	.6	1.4	2.4	3.1	.9	1.2	1.0	1.4
Electronic components, n.e.c.	6.0	6.3	3.1	4.1	6.1	4.6	1.9	1.8	3.3	1.7
Miscellaneous electrical equipment and supplies	4.4	2.8	3.1	1.5	2.7	2.2	1.1	.7	1.1	1.0
Electrical equipment for engines	3.7	2.3	2.8	1.1	2.6	1.7	.9	.5	1.2	1.0

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

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964
<i>Durable Goods--Continued</i>										
TRANSPORTATION EQUIPMENT	3.7	4.3	1.8	2.6	6.3	3.8	0.9	0.9	4.1	2.0
Motor vehicles and equipment	3.7	3.8	1.2	2.1	9.5	3.2	.6	.6	6.8	1.5
Motor vehicles	4.1	3.6	.8	2.1	11.3	3.0	.5	.6	8.8	1.4
Passenger car bodies	3.0	4.5	.6	1.4	10.9	4.2	.2	.3	5.7	1.5
Truck and bus bodies	6.5	6.4	5.0	4.4	6.3	3.7	2.1	1.1	2.7	1.5
Motor vehicle parts and accessories	3.1	3.4	1.3	1.7	8.3	3.0	.5	.5	5.9	1.5
Aircraft and parts	2.3	2.8	1.7	1.9	2.3	2.6	.9	.9	1.0	1.2
Aircraft	2.1	3.0	1.6	2.1	2.5	2.5	.8	.9	1.4	1.2
Aircraft engines and engine parts	1.4	2.1	1.0	1.1	1.5	2.2	.7	.7	.5	1.0
Other aircraft parts and equipment	4.6	3.7	3.5	2.5	3.2	3.4	1.5	1.2	1.0	1.6
Ship and boat building and repairing	8.3	11.3	3.6	5.7	7.9	11.5	1.8	2.2	5.5	8.4
Ship building and repairing	8.8	12.6	3.6	6.1	7.7	11.5	1.7	2.0	5.4	8.8
Railroad equipment	4.3	6.5	2.7	4.0	3.5	4.7	.9	1.1	1.9	2.3
Other transportation equipment	8.9	8.1	7.6	7.0	6.3	6.3	3.7	3.4	1.4	1.6
INSTRUMENTS AND RELATED PRODUCTS	3.1	3.9	2.2	2.9	2.6	2.3	1.2	1.0	.9	.6
Engineering and scientific instruments	3.2	2.2	1.7	1.4	3.6	2.2	1.2	.8	1.9	1.1
Mechanical measuring and control devices	2.6	4.8	1.8	3.3	2.9	2.8	1.2	1.1	.9	.6
Mechanical measuring devices	2.7	4.2	2.0	3.6	2.4	1.9	1.2	1.0	.7	.5
Automatic temperature controls	2.5	5.8	1.3	2.7	3.7	4.2	1.3	1.4	1.3	.9
Optical and ophthalmic goods	2.3	4.0	1.9	3.1	2.7	3.0	1.4	1.4	.4	.9
Surgical, medical, and dental equipment	3.5	4.1	2.4	3.5	3.2	2.2	1.4	1.2	1.2	.5
Photographic equipment and supplies	(1)	3.7	(1)	3.3	(1)	1.2	(1)	.7	(1)	.2
Watches and clocks	2.8	4.4	1.8	2.4	2.2	2.8	1.1	1.5	.5	.5
MISCELLANEOUS MANUFACTURING INDUSTRIES	6.1	6.0	4.2	4.0	5.2	4.4	2.0	1.8	2.4	1.7
Jewelry, silverware, and plated ware	7.3	4.2	3.7	3.6	7.7	2.9	1.7	1.6	5.4	.6
Toys, amusement, and sporting goods	9.5	9.2	7.0	5.0	6.4	6.1	2.5	2.4	2.8	2.2
Toys, games, dolls, and play vehicles	11.6	11.1	8.7	5.5	5.4	6.5	2.5	2.3	2.2	2.4
Sporting and athletic goods, n.e.c.	5.7	6.1	4.0	4.3	8.2	5.4	2.5	2.5	4.0	1.9
Pens, pencils, office and art materials	3.7	5.0	2.5	3.2	3.1	2.4	1.3	1.2	1.1	.5
Costume jewelry, buttons, and notions	5.6	5.6	3.8	4.0	5.4	4.8	2.1	2.1	2.6	2.0
Other manufacturing industries	4.2	4.7	3.0	3.5	4.0	4.0	1.8	1.6	1.6	1.8
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	7.6	8.7	5.5	5.9	5.4	4.5	2.0	1.8	2.7	2.1
Meat products	5.5	8.1	3.1	4.4	4.8	5.1	1.8	2.0	2.4	2.4
Meat packing	4.5	6.9	1.7	2.6	4.4	4.5	.8	.9	3.1	3.2
Poultry dressing and packing	9.8	13.3	7.1	9.7	7.5	8.3	5.0	5.5	1.4	1.5
Grain mill products	3.2	4.9	2.1	3.5	3.1	2.4	1.1	.9	1.4	.9
Flour and other grain mill products	3.2	5.0	1.7	3.6	3.9	2.3	.9	1.0	2.5	.8
Prepared feeds for animals and fowls	2.9	4.2	2.0	3.3	2.9	2.6	1.3	1.1	1.0	.9
Bakery products	3.4	5.0	2.9	4.2	3.4	3.1	1.9	1.9	.8	.7
Bread, cake, and perishable products	3.3	4.7	2.9	4.2	3.3	3.0	2.0	1.9	.6	.6
Biscuit, crackers, and pretzels	4.3	6.8	2.7	4.3	4.4	3.8	1.6	1.9	1.7	1.2
Confectionery and related products	6.8	5.6	2.9	3.4	4.8	4.7	1.7	2.0	2.3	2.2
Candy and other confectionery products	7.8	6.4	3.4	4.0	5.4	5.5	1.9	2.3	2.4	2.7
Beverages	5.0	7.7	3.8	5.9	4.2	3.7	1.9	1.9	1.6	1.1
Malt liquors	4.1	5.6	2.1	3.4	3.5	2.4	.6	.5	2.5	1.4
TOBACCO MANUFACTURES	6.6	4.5	1.8	2.2	3.2	3.1	.8	1.2	1.8	1.2
Cigarettes . . . . .	.8	3.9	.7	1.8	.7	1.2	.3	.4	.1	.1
Cigars	4.2	4.3	1.7	3.0	5.4	4.1	1.7	2.5	3.1	1.1

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

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

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964
<i>Nondurable Goods--Continued</i>										
TEXTILE MILL PRODUCTS	4.1	4.2	3.0	3.2	4.1	3.3	2.3	2.0	1.1	0.7
Cotton broad woven fabrics	3.4	3.7	2.6	2.9	3.3	3.0	2.4	2.1	.3	.3
Silk and synthetic broad woven fabrics	3.1	3.6	2.2	2.7	3.7	2.9	1.9	1.8	1.2	.4
Weaving and finishing broad woolens	4.2	5.2	3.0	3.7	4.7	4.0	1.9	1.6	2.0	1.2
Narrow fabrics and smallwares	4.9	3.9	3.2	3.2	4.2	3.1	1.9	1.6	1.4	1.0
Knitting	4.8	4.9	3.6	3.9	4.5	3.8	2.4	2.2	1.5	.9
Full-fashioned hosiery	3.2	4.9	2.3	4.2	2.7	3.9	1.8	3.1	.6	.3
Seamless hosiery	3.9	3.5	3.3	2.9	3.2	2.8	2.3	1.9	.5	.5
Knit underwear	3.6	3.5	2.6	2.7	3.2	2.5	1.7	1.8	1.1	.3
Finishing textiles, except wool and knit	3.2	3.0	1.9	2.3	3.9	2.2	1.7	1.4	1.6	.3
Floor covering	4.9	3.0	3.0	2.0	4.1	3.4	2.4	1.5	.9	1.3
Yarn and thread	4.7	5.0	3.8	4.1	4.8	3.9	3.4	2.6	.7	.5
Miscellaneous textile goods	4.7	4.6	2.8	2.9	5.0	3.5	1.8	1.6	2.4	1.2
APPAREL AND RELATED PRODUCTS	6.8	6.2	3.8	3.8	6.7	5.2	2.5	2.1	3.4	2.2
Men's and boys' suits and coats	2.9	3.9	1.6	1.9	4.0	2.8	1.3	1.2	2.1	1.0
Men's and boys' furnishings	5.2	5.3	3.9	4.1	5.3	4.0	3.3	2.7	1.4	.7
Men's and boys' shirts and nightwear	4.9	4.8	3.7	3.6	4.7	3.6	3.3	2.5	.9	.5
Men's and boys' separate trousers	5.4	5.4	4.0	4.1	5.4	3.9	3.5	2.8	1.1	.4
Work clothing	5.2	4.8	4.0	4.0	4.6	4.1	3.5	3.1	.6	.4
Women's and children's undergarments	6.0	5.1	4.1	3.4	5.3	4.9	2.7	2.3	2.0	1.9
Women's and children's underwear	6.8	5.6	4.7	3.7	5.5	5.2	3.0	2.7	1.9	1.8
Corsets and allied garments	4.6	4.4	2.9	2.9	5.0	4.4	2.1	1.4	2.2	2.2
PAPER AND ALLIED PRODUCTS	2.8	4.6	2.2	3.6	2.5	2.4	1.1	1.1	.7	.7
Paper and pulp	1.8	4.1	1.3	3.2	1.4	1.4	.5	.6	.5	.4
Paperboard	1.7	4.2	1.3	3.4	1.5	1.7	.8	.7	.5	.3
Converted paper and paperboard products	3.6	5.1	2.7	3.9	3.6	3.2	1.7	1.6	1.2	1.0
Bags, except textile bags	4.8	5.2	3.4	3.7	5.9	4.4	2.3	1.8	2.6	1.7
Paperboard containers and boxes	3.8	5.1	3.1	4.0	3.1	3.1	1.6	1.5	.8	.8
Folding and setup paperboard boxes	4.5	4.8	3.7	3.8	3.5	3.0	1.6	1.6	.9	.7
Corrugated and solid fiber boxes	3.4	5.1	2.8	4.2	2.7	3.1	1.6	1.5	.5	.8
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	3.0	4.2	2.4	3.3	2.6	3.0	1.4	1.5	.7	.9
CHEMICALS AND ALLIED PRODUCTS	2.0	3.5	1.5	2.8	1.9	2.2	.7	.7	.7	1.0
Industrial chemicals	1.4	2.4	1.1	2.0	1.4	1.2	.5	.4	.5	.4
Plastics and synthetics, except glass	1.7	3.5	1.5	2.9	1.2	1.3	.6	.7	.2	.2
Plastics and synthetics, except fibers	2.0	3.9	1.7	3.4	1.3	1.3	.7	.8	.2	.1
Synthetic fibers	1.5	3.0	1.3	2.5	1.1	1.2	.6	.7	.2	.3
Drugs	1.9	3.6	1.7	3.0	1.8	1.6	.9	.9	.6	.4
Pharmaceutical preparations	2.0	4.0	1.7	3.2	2.0	1.8	1.0	1.0	.7	.5
Soap, cleaners, and toilet goods	3.6	5.7	2.6	3.8	2.7	3.6	1.0	1.0	1.0	1.7
Soap and detergents	2.1	4.5	1.3	3.0	1.7	2.1	.7	.7	.4	.8
Toilet preparations	5.0	9.0	4.2	5.3	3.4	6.0	1.1	1.5	.9	3.4
Paints, varnishes, and allied products	1.9	4.2	1.7	3.7	1.9	1.6	1.0	1.0	.3	.1
Other chemical products	2.6	4.0	1.6	3.2	3.0	2.3	1.0	.9	1.4	.9
PETROLEUM REFINING AND RELATED INDUSTRIES	1.6	3.4	1.2	2.7	1.4	1.7	.5	.6	.4	.5
Petroleum refining . . . . .	.9	2.6	.6	2.2	.8	1.3	.3	.4	.1	.4
Other petroleum and coal products	4.4	6.5	3.8	5.0	3.5	3.2	1.3	1.4	1.5	.9
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	4.6	4.8	2.9	3.3	4.1	3.1	1.4	1.4	1.9	1.0
Tires and inner tubes	1.5	2.8	.9	1.4	1.0	1.3	.3	.4	.3	.4
Other rubber products	4.3	4.2	1.9	2.6	4.7	3.0	1.3	1.2	2.6	1.3
Miscellaneous plastic products	6.9	6.7	5.3	5.2	5.3	4.3	2.3	2.1	2.1	1.2

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	
	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964	July 1964	June 1964
<i>Nondurable Goods--Continued</i>										
LEATHER AND LEATHER PRODUCTS	6.0	6.1	4.3	4.4	4.8	3.9	2.8	2.3	1.3	0.9
Leather tanning and finishing	3.4	5.0	2.3	4.1	4.1	3.7	1.3	1.4	2.0	1.4
Footwear, except rubber	5.7	5.4	4.0	4.0	4.9	3.8	2.9	2.3	1.1	.8
NONMANUFACTURING										
METAL MINING	2.1	4.6	1.8	3.6	2.6	2.4	1.3	1.4	.9	.3
Iron ores	1.1	2.6	.7	1.3	1.5	.9	.4	.3	.8	.1
Copper ores	1.0	4.9	.8	3.5	2.7	2.5	.8	1.5	1.4	.2
COAL MINING	1.2	1.5	.8	.8	1.8	1.6	.5	.4	.9	.8
Bituminous	1.2	1.5	.8	.8	1.8	1.3	.5	.4	.9	.5
COMMUNICATIONS:										
Telephone communication	(1)	3.5	-	-	(1)	1.5	(1)	1.1	(1)	.1
Telegraph communication ²	(1)	2.5	-	-	(1)	1.5	(1)	.8	(1)	.3

1 Not available.
2 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**

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

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

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

Data for the current month are preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964
ALABAMA 1	4.4	4.2	2.7	2.5	3.9	3.7	1.4	1.4	1.9	1.6
Birmingham	3.5	3.4	2.4	1.9	2.0	2.7	.7	.8	.7	1.1
Mobile 1	12.1	12.8	2.8	2.2	17.4	12.4	1.6	1.4	15.2	10.7
ALASKA	35.3	37.1	31.6	28.9	11.9	13.1	6.7	7.2	4.1	4.9
ARIZONA	5.1	4.4	3.9	3.2	4.6	4.6	1.8	2.0	2.0	1.8
Phoenix	5.0	4.4	3.9	3.3	4.5	5.0	1.8	2.0	2.0	2.1
ARKANSAS	6.6	6.0	5.8	4.9	5.4	5.0	3.0	3.1	1.5	1.1
Fort Smith	5.2	5.6	4.7	5.2	3.9	5.4	3.0	3.9	.5	.9
Little Rock-North Little Rock	6.0	5.7	5.1	5.2	5.1	5.2	3.0	3.4	1.0	1.0
Pine Bluff	5.1	4.2	4.6	3.7	4.1	4.7	2.3	3.3	1.1	1.1
CALIFORNIA 1	5.1	4.2	3.8	3.0	4.5	4.5	1.8	1.7	1.8	1.9
Los Angeles-Long Beach 1	5.1	4.1	3.8	3.1	4.9	4.5	1.9	1.8	1.9	1.8
Sacramento 1	2.7	1.9	1.9	1.2	2.0	2.0	.9	1.0	.8	.6
San Bernardino-Riverside-Ontario 1	4.9	4.1	3.9	3.3	3.6	3.0	1.7	1.4	1.0	.7
San Diego 1	3.0	2.5	2.4	1.9	3.3	3.5	1.0	1.0	1.9	2.1
San Francisco-Oakland 1	5.9	4.9	4.0	3.1	4.8	4.6	1.5	1.3	2.5	2.6
San Jose 1	3.4	2.2	2.2	1.5	3.1	3.1	1.4	1.2	1.1	1.2
Stockton 1	7.5	4.8	5.9	3.7	3.9	8.2	1.7	1.5	1.5	6.2
COLORADO	6.1	4.5	4.4	3.2	4.6	4.8	1.9	2.0	2.0	2.1
CONNECTICUT	3.4	2.4	2.5	1.6	2.4	2.7	1.1	1.1	.8	1.1
Bridgeport	3.4	2.3	2.4	1.6	1.9	2.9	1.0	1.2	.5	1.3
Hartford	2.5	1.5	2.0	1.1	1.8	2.0	.9	.9	.4	.6
New Britain	3.4	2.8	2.9	2.2	2.7	2.3	.9	1.2	1.2	.4
New Haven	3.6	2.8	2.3	1.6	2.5	2.9	1.3	1.1	.7	1.0
Stamford	3.4	1.7	3.0	1.5	2.7	4.2	.9	.9	.5	2.7
Waterbury	3.7	2.3	2.5	1.2	2.1	2.2	1.2	1.0	.6	.9
DELAWARE 1	4.9	2.7	4.2	2.0	2.1	2.5	1.0	1.1	.4	.6
Wilmington 1	4.7	2.7	3.8	1.7	2.1	1.8	.9	.8	.5	.2
DISTRICT OF COLUMBIA:										
Washington	3.9	3.3	3.5	3.1	3.3	3.2	2.1	2.0	.3	.5
FLORIDA	5.6	4.5	4.5	3.5	6.8	5.8	2.7	2.5	3.4	2.5
Jacksonville	10.4	5.1	7.1	4.1	5.8	4.4	4.3	2.2	.8	1.5
Miami	5.4	4.3	4.8	3.9	4.5	4.6	1.9	2.0	2.0	1.7
Tampa-St. Petersburg	4.7	3.8	3.6	2.5	9.6	5.0	2.3	1.8	3.7	2.0
GEORGIA	5.4	4.7	4.2	3.7	4.0	4.4	2.2	2.3	.9	1.3
Atlanta 2	4.5	3.7	4.4	3.2	3.9	3.8	2.4	2.0	.5	.9
HAWAII 3	5.1	3.1	4.1	2.4	2.9	2.9	1.3	1.4	.8	.6
IDAHO 4	9.5	8.4	6.5	4.6	4.8	4.5	2.3	2.5	1.9	1.6
INDIANA 1	4.3	3.6	3.2	2.7	3.0	3.1	1.2	1.3	1.2	1.2
Indianapolis 5	3.8	2.6	2.9	1.8	2.5	2.4	1.0	1.1	.9	.8
IOWA	5.0	3.4	3.5	2.1	2.9	3.3	1.3	1.4	1.1	1.3
Des Moines	5.1	3.9	4.2	2.7	2.7	3.6	1.4	1.7	.8	1.1
KANSAS	4.6	3.9	3.3	2.7	3.7	3.7	1.5	1.7	1.5	1.3
Topeka	4.4	4.0	3.7	3.1	3.4	4.6	1.7	1.3	.5	2.6
Wichita	3.5	2.7	2.9	2.0	3.6	3.0	1.4	1.3	1.6	1.2
KENTUCKY	4.3	3.8	2.8	2.5	2.7	2.8	1.1	1.2	1.1	1.1
Louisville	4.2	3.1	3.0	2.3	2.4	2.8	.9	.9	.9	1.2
LOUISIANA	5.1	4.0	2.8	2.7	3.2	3.1	1.2	1.1	1.1	1.3
New Orleans 6	6.6	5.5	3.6	3.3	4.5	4.0	1.7	1.3	1.8	1.9

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	
June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	
MAINE.....	10.6	7.1	7.2	4.8	3.9	5.9	2.5	2.7	0.7	2.3
Portland.....	7.0	3.5	5.5	2.8	2.9	3.4	1.5	1.5	1.0	1.3
MARYLAND.....	5.1	4.2	3.7	2.6	3.9	4.1	1.5	1.4	1.7	2.0
Baltimore.....	4.8	3.9	3.4	2.4	3.8	4.0	1.4	1.3	1.7	2.0
MASSACHUSETTS.....	4.4	3.4	3.1	2.2	2.9	3.2	1.4	1.5	.8	1.1
Boston.....	4.1	3.3	2.9	2.2	2.6	3.0	1.3	1.4	.6	1.0
Fall River.....	4.1	4.1	2.2	2.1	4.0	4.8	1.2	1.4	2.2	2.7
New Bedford.....	6.2	3.5	4.2	2.3	4.1	4.0	1.7	1.6	1.5	1.8
Springfield-Chicopee-Holyoke.....	4.1	3.2	3.0	2.3	2.9	2.6	1.0	1.2	.8	.8
Worcester.....	4.8	3.2	3.7	2.2	2.9	2.7	1.7	1.5	.6	.7
MICHIGAN.....	3.7	3.1	2.0	1.6	2.8	2.8	.6	.7	1.0	.8
Detroit.....	3.6	2.7	2.0	1.6	2.9	2.3	.6	.6	1.0	.7
Grand Rapids.....	5.1	3.3	2.3	1.7	5.0	4.1	.9	.9	1.9	1.9
Lansing.....	3.7	2.8	2.4	1.5	2.8	2.8	.6	.5	.5	.9
Muskegon-Muskegon Heights.....	4.6	3.9	1.7	1.0	2.1	4.1	1.0	.9	.5	2.6
Saginaw.....	5.8	4.8	3.1	2.4	4.3	3.8	.6	.7	.3	.1
MINNESOTA.....	7.1	4.0	4.8	2.3	3.4	3.3	1.4	1.3	1.2	1.2
Duluth-Superior.....	5.2	5.5	4.0	3.3	4.8	3.6	1.4	1.6	2.6	1.4
Minneapolis-St. Paul.....	5.7	3.8	3.6	2.1	3.4	3.4	1.4	1.3	1.2	1.2
MISSISSIPPI.....	6.4	5.4	4.8	4.0	4.3	4.7	2.1	2.3	1.5	1.7
Jackson.....	6.2	4.6	5.0	3.7	3.4	6.0	2.0	2.7	.8	2.8
MISSOURI.....	4.5	3.6	3.4	2.4	2.9	2.9	1.5	1.5	.8	.8
Kansas City.....	5.2	3.8	3.7	3.0	3.3	3.1	1.6	1.6	1.1	.8
St. Louis.....	3.7	3.1	2.8	1.9	2.6	2.4	1.1	1.1	1.0	.8
MONTANA 4	7.3	5.7	6.7	4.8	3.6	3.6	2.4	2.6	.5	.3
NEBRASKA.....	5.8	5.4	4.0	3.8	3.7	4.1	2.0	2.0	1.1	1.4
NEVADA.....	7.8	5.8	7.0	5.4	5.6	6.0	2.9	3.6	1.3	1.5
NEW HAMPSHIRE.....	4.8	4.6	3.6	3.0	3.5	4.0	2.2	2.3	.6	1.0
NEW MEXICO.....	5.3	3.6	4.3	3.2	4.6	3.7	2.2	2.1	1.2	.8
Albuquerque.....	4.7	3.5	3.7	3.1	3.7	3.0	2.0	1.8	.8	.5
NEW YORK.....	4.9	4.1	3.2	2.3	3.7	4.1	1.1	1.2	1.9	2.2
Albany-Schenectady-Troy.....	3.5	2.6	2.1	1.2	3.1	2.5	.8	.6	1.3	.8
Binghamton.....	4.0	2.0	3.3	1.5	2.1	2.2	1.3	1.1	.2	.4
Buffalo.....	3.5	2.9	2.2	1.6	2.1	2.0	.6	.6	1.1	1.0
Elmira.....	4.4	3.2	2.7	1.3	2.2	2.4	1.0	.8	.7	1.1
Nassau and Suffolk Counties.....	4.1	2.7	3.2	1.9	4.0	4.3	1.4	1.3	2.1	2.5
New York City.....	5.5	5.3	3.4	2.9	4.9	5.4	1.1	1.3	2.7	3.1
Rochester.....	4.4	2.5	3.8	1.9	2.1	1.6	1.0	.9	.6	.3
Syracuse.....	4.5	2.7	2.5	1.5	2.8	2.3	1.0	1.0	1.3	.8
Utica-Rome.....	3.7	2.8	2.4	1.5	2.1	3.6	.8	1.0	.9	2.1
Westchester County.....	5.1	3.6	3.5	2.4	3.7	3.7	1.1	1.2	2.0	1.9
NORTH CAROLINA.....	4.8	3.6	4.0	3.0	3.0	3.3	2.0	2.2	.4	.5
Charlotte.....	4.5	3.0	4.0	2.7	3.0	3.6	2.1	2.4	.4	.6
Greensboro-High Point.....	5.2	3.7	4.0	3.3	3.4	4.1	2.4	2.5	.4	.8
NORTH DAKOTA.....	5.8	4.8	4.6	3.5	2.0	2.4	1.3	1.3	.3	.5
Fargo-Moorhead.....	6.6	7.0	5.3	3.4	1.7	2.1	1.2	.8	(7)	.5

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

(Per 100 employees)

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964
OHIO.....	4.0	2.9	2.7	1.7	2.6	2.6	0.8	0.8	1.1	1.2
Akron.....	3.0	2.0	1.9	1.0	1.8	1.5	.6	.5	.6	.6
Canton.....	4.4	3.9	2.2	1.7	3.1	3.1	.9	1.0	1.0	1.3
Cincinnati.....	3.7	2.7	2.5	1.7	2.9	2.6	.8	.8	1.4	1.2
Cleveland.....	4.2	2.7	3.0	1.9	2.9	3.0	1.0	1.0	1.2	1.3
Columbus.....	3.2	2.4	2.2	1.7	3.4	3.0	1.1	.9	1.4	1.5
Dayton.....	3.2	2.4	2.5	1.7	2.2	1.7	.8	.8	.7	.5
Toledo.....	4.8	2.5	2.8	1.6	3.6	2.8	.6	.7	2.0	1.5
Youngstown-Warren.....	4.4	4.0	2.1	1.2	2.3	2.0	.6	.7	1.2	.9
OKLAHOMA ⁸	5.0	5.0	4.3	3.8	3.8	4.1	2.0	2.0	1.2	1.2
Oklahoma City.....	5.4	4.2	4.6	3.1	3.8	4.0	2.1	2.2	.9	1.2
Tulsa ⁸	5.6	5.7	4.3	5.5	3.6	3.9	2.0	2.0	1.0	.8
OREGON ¹	8.3	6.3	6.7	5.2	4.8	4.7	2.6	2.5	1.3	1.3
Portland ¹	7.0	5.3	5.6	4.0	4.1	4.1	1.8	1.7	1.5	1.6
PENNSYLVANIA:										
Allentown-Bethlehem-Easton.....	3.8	3.1	2.8	1.9	2.4	2.4	1.0	1.1	1.0	1.0
Erie.....	4.3	3.9	3.1	1.9	2.2	2.2	.9	.8	.8	.8
Harrisburg.....	3.9	2.7	2.2	1.3	3.0	2.8	.9	.8	1.5	1.2
Lancaster.....	3.9	2.9	3.3	2.2	2.0	2.1	1.3	1.5	.3	.3
Philadelphia.....	3.9	2.9	2.5	1.8	2.5	2.9	.9	.8	1.1	1.5
Pittsburgh.....	3.2	2.6	2.2	1.3	1.4	1.5	.4	.4	.4	.5
Reading.....	3.5	2.5	2.6	1.5	2.6	2.9	1.0	1.1	1.1	1.3
Scranton.....	4.7	5.0	2.2	2.1	4.1	4.9	1.0	1.1	2.7	3.3
Wilkes-Barre-Hazleton.....	4.3	3.8	2.7	2.3	3.2	3.3	1.2	1.3	1.4	1.6
York.....	4.8	3.1	3.9	2.3	2.3	2.8	1.5	1.6	.3	.7
RHODE ISLAND.....	5.0	5.2	3.4	3.1	4.0	4.9	1.8	2.1	1.5	1.9
Providence-Pawtucket-Warwick.....	5.1	4.6	3.5	2.7	3.8	4.2	1.8	1.8	1.3	1.6
SOUTH CAROLINA ⁹	4.5	4.1	3.5	3.3	3.6	3.7	2.3	2.4	.6	.7
Charleston.....	5.9	6.5	4.6	5.1	4.8	7.6	1.9	2.9	2.1	3.4
SOUTH DAKOTA.....	6.8	7.4	4.7	4.5	4.3	5.1	2.3	2.5	1.7	2.2
Sioux Falls.....	6.5	8.2	3.3	2.5	3.8	4.4	1.8	1.0	1.8	3.2
TENNESSEE.....	4.0	3.4	2.8	2.3	3.0	3.0	1.4	1.5	1.1	1.0
Chattanooga ⁶	3.6	3.2	2.8	2.2	2.7	2.3	1.0	1.1	1.0	.8
Knoxville.....	3.2	1.2	1.8	.6	1.4	1.3	.9	.5	.2	.6
Memphis.....	5.8	4.5	4.9	3.8	4.7	4.0	2.2	1.9	1.5	1.1
Nashville.....	4.0	3.1	3.1	2.5	2.8	2.9	1.7	1.8	.7	.7
TEXAS ¹⁰	4.5	4.2	3.7	3.2	3.0	3.8	1.8	2.0	.6	1.1
Dallas ¹⁰	4.7	4.1	3.8	3.3	3.4	4.2	2.0	2.4	.6	1.1
Fort Worth ¹⁰	4.1	4.5	3.1	3.2	2.4	3.7	1.5	2.2	.5	1.0
Houston ¹⁰	4.3	3.5	3.7	2.9	2.5	2.9	1.3	1.6	.4	.7
San Antonio ¹⁰	3.9	3.9	3.4	3.5	2.6	3.2	1.9	2.0	.2	.6
UTAH ⁴	5.6	4.0	3.6	2.7	4.5	5.5	1.9	1.8	2.2	3.1
Salt Lake City ⁴	4.8	3.8	3.4	2.8	4.0	5.6	2.3	2.1	1.2	2.9
VERMONT.....	4.6	3.7	3.6	2.5	2.7	2.7	1.5	1.5	.7	.7
Burlington.....	3.3	4.1	1.4	.9	2.1	1.4	.9	.8	.9	.4
Springfield.....	4.5	1.7	4.2	1.4	1.5	1.7	.8	.7	.3	.6
VIRGINIA.....	4.2	3.4	3.3	2.5	3.1	3.3	1.7	1.8	.8	.9
Norfolk-Portsmouth.....	4.5	3.7	3.5	2.7	3.8	6.8	1.4	1.8	1.7	3.9
Richmond.....	4.5	3.5	3.5	2.5	3.3	2.9	1.5	1.6	1.0	.4
Roanoke.....	4.6	2.9	3.7	2.4	2.5	2.9	1.7	1.7	.1	.5

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	
	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964	June 1964	May 1964
WASHINGTON ¹¹	6.4	4.2	4.6	2.9	3.7	3.7	1.8	1.7	1.1	1.3
Seattle-Everett ¹¹	4.8	3.1	3.0	1.7	3.3	3.6	1.6	1.5	1.2	1.5
Spokane ¹¹	5.9	5.2	4.1	3.5	4.3	5.2	1.5	1.2	2.1	3.0
Tacoma ¹¹	6.3	4.6	4.9	3.6	3.9	3.9	1.3	1.7	2.1	1.5
WEST VIRGINIA.....	2.9	2.8	1.8	1.7	2.0	2.2	.5	.8	.9	1.0
Charleston.....	2.5	.8	1.5	.4	1.5	1.8	.4	.5	.8	1.0
Huntington-Ashland.....	4.1	3.2	2.2	1.9	1.9	2.0	.7	.9	.6	.8
Wheeling.....	2.9	3.4	2.2	1.7	2.0	3.3	.6	.6	.8	1.9
WISCONSIN.....	6.2	3.2	4.7	2.1	3.4	4.7	1.3	1.3	1.4	2.7
Green Bay.....	5.3	2.3	4.0	1.8	1.5	1.9	.9	.9	.3	.7
Kenosha.....	3.8	1.7	1.2	.5	2.5	26.4	.4	.4	1.8	25.8
La Crosse.....	7.5	4.2	5.2	1.9	5.0	3.9	1.6	1.1	2.6	1.9
Madison.....	5.8	4.2	3.2	2.8	4.7	3.9	1.5	1.6	2.6	1.9
Milwaukee.....	4.5	2.7	3.4	1.9	4.0	3.8	1.2	1.2	2.0	1.9
Racine.....	3.5	2.5	2.8	1.9	2.9	3.1	1.4	1.3	.8	1.0
WYOMING ⁴	8.6	5.9	6.9	4.3	4.7	6.4	2.2	2.7	1.6	3.5

¹ Excludes canning and preserving.

² Excludes agricultural chemicals and miscellaneous manufacturing.

³ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁴ Excludes canning and preserving, and sugar.

⁵ Excludes canning and preserving, and newspapers.

⁶ Excludes printing and publishing.

⁷ Less than 0.05.

⁸ Excludes new-hire rate for transportation equipment.

⁹ Excludes tobacco stemming and redrying.

¹⁰ Excludes canning and preserving, sugar, and tobacco.

¹¹ Excludes canning and preserving, printing and publishing.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

Technical Note

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

INTRODUCTION

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

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

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

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

Relation between the household and payroll series

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

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

Employment

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

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

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

Hours of Work

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

Comparability of the household interview data with other series

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

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

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 14 in the Statistical Research Service (SRS) 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 Household Statistics on Employment and Unemployment from the Current Population Survey*, Bureau of Labor Statistics Report No. 279. 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

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

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

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

Table B. Standard error of level of monthly estimates

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 1962¹

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

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

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

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

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

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

Reliability of the Employment Estimate

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

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

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

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

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

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

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

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

STATISTICS FOR STATES AND AREAS

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

Users of State and area employment, hours, and earnings statistics may be interested in *Employment and Earnings Statistics for States and Areas, 1939-63*, BLS Bulletin 1370-1. 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 1963.

Seasonal Adjustment

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

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

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

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

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

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

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

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

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

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