



# EMPLOYMENT and EARNINGS

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UNITED STATES DEPARTMENT OF LABOR  
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<sup>1/</sup> Quarterly data included in February, May, August, and November issues.

## CAUTION

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

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

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

Table A-1: Employment status of the noninstitutional population, 1929 to date

Year and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed <sup>1</sup>			Unemployed <sup>1</sup>			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
1929.....	(2)	49,440	(2)	49,180	47,630	10,450	37,180	1,550	3.2	-	(2)
1930.....	(2)	50,080	(2)	49,820	45,480	10,340	35,140	4,340	8.7	-	(2)
1931.....	(2)	50,680	(2)	50,420	42,400	10,290	32,110	8,020	15.9	-	(2)
1932.....	(2)	51,250	(2)	51,000	38,940	10,170	28,770	12,060	23.6	-	(2)
1933.....	(2)	51,840	(2)	51,590	38,760	10,090	28,670	12,830	24.9	-	(2)
1934.....	(2)	52,490	(2)	52,230	40,890	9,900	30,990	11,340	21.7	-	(2)
1935.....	(2)	53,140	(2)	52,870	42,260	10,110	32,150	10,610	20.1	-	(2)
1936.....	(2)	53,740	(2)	53,440	44,410	10,000	34,410	9,030	16.9	-	(2)
1937.....	(2)	54,320	(2)	54,000	46,300	9,820	36,480	7,700	14.3	-	(2)
1938.....	(2)	54,950	(2)	54,610	44,220	9,690	34,530	10,390	19.0	-	(2)
1939.....	(2)	55,600	(2)	55,230	45,750	9,610	36,140	9,480	17.2	-	(2)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
1948.....	108,632	62,898	57.9	61,442	59,117	7,960	51,156	2,325	3.8	-	45,733
1949.....	109,773	63,721	58.0	62,105	58,423	8,017	50,406	3,682	5.9	-	46,051
1950.....	110,929	64,749	58.4	63,099	59,748	7,497	52,251	3,351	5.3	-	46,181
1951.....	112,075	65,983	58.9	62,884	60,784	7,048	53,736	2,099	3.3	-	46,092
1952.....	113,270	66,560	58.8	62,966	61,035	6,792	54,243	1,932	3.1	-	46,710
1953 <sup>2</sup> .....	115,094	67,362	58.5	63,815	61,945	6,555	55,390	1,870	2.9	-	47,732
1954.....	116,219	67,818	58.4	64,468	60,890	6,495	54,395	3,578	5.6	-	48,401
1955.....	117,388	68,896	58.7	65,848	62,944	6,718	56,225	2,904	4.4	-	48,492
1956.....	118,734	70,387	59.3	67,530	64,708	6,572	58,135	2,822	4.2	-	48,348
1957.....	120,445	70,744	58.7	67,946	65,011	6,222	58,789	2,936	4.3	-	49,699
1958.....	121,950	71,284	58.5	68,647	63,966	5,844	58,122	4,681	6.8	-	50,666
1959.....	123,366	71,946	58.3	69,394	65,581	5,836	59,745	3,813	5.5	-	51,420
1960 <sup>4</sup> .....	125,368	73,126	58.3	70,612	66,681	5,723	60,958	3,931	5.6	-	52,242
1961.....	127,852	74,175	58.0	71,603	66,796	5,463	61,333	4,806	6.7	-	53,677
1962 <sup>5</sup> .....	130,081	74,681	57.4	71,854	67,846	5,190	62,657	4,007	5.6	-	55,400
1962: September...	130,546	74,914	57.4	72,179	68,668	5,564	63,103	3,512	4.9	5.6	55,631
October.....	130,730	74,923	57.3	72,187	68,893	5,475	63,418	3,294	4.6	5.3	55,808
November.....	130,910	74,532	56.9	71,782	67,981	4,883	63,098	3,801	5.3	5.8	56,378
December.....	131,096	74,142	56.6	71,378	67,561	4,066	63,495	3,817	5.3	5.5	56,954
1963: January.....	131,253	73,323	55.9	70,607	65,935	4,206	61,730	4,672	6.6	5.8	57,930
February.....	131,414	73,999	56.3	71,275	66,358	4,049	62,309	4,918	6.9	6.1	57,414
March.....	131,589	74,382	56.5	71,650	67,148	4,337	62,812	4,501	6.3	5.6	57,208
April.....	131,739	74,897	56.9	72,161	68,097	4,673	63,424	4,063	5.6	5.7	56,843
May.....	131,865	75,864	57.5	73,127	69,061	5,178	63,883	4,066	5.6	5.9	56,001
June.....	132,036	77,901	59.0	75,165	70,319	5,954	64,365	4,846	6.4	5.7	54,135
July.....	132,196	77,917	58.9	75,173	70,851	5,969	64,882	4,322	5.7	5.6	54,279
August.....	132,345	77,167	58.3	74,418	70,561	5,496	65,065	3,857	5.2	5.5	55,178
September...	132,497	75,811	57.2	73,062	69,546	5,326	64,220	3,516	4.8	5.6	56,686

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

<sup>2</sup>Not available.

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

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

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

Table A-2: Employment status of the noninstitutional population, by sex

(In thousands)

Sex, year, and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
		Number	Percent of population	Total	Employed <sup>1</sup>			Unemployed <sup>1</sup>			
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
<b>MALE</b>											
1940.....	50,080	42,020	83.9	41,480	35,550	8,450	27,100	5,930	14.3	-	8,060
1944.....	51,980	46,670	89.8	35,460	35,110	7,020	28,090	350	1.0	-	5,310
1947.....	53,085	44,844	84.5	43,272	41,677	6,953	34,725	1,595	3.7	-	8,242
1948.....	53,513	45,300	84.7	43,858	42,268	6,623	35,645	1,590	3.6	-	8,213
1949.....	54,028	45,674	84.5	44,075	41,473	6,629	34,844	2,602	5.9	-	8,354
1950.....	54,526	46,069	84.5	44,442	42,162	6,271	35,891	2,280	5.1	-	8,457
1951.....	54,996	46,674	84.9	43,612	42,362	5,791	36,571	1,250	2.9	-	8,322
1952.....	55,503	47,001	84.7	43,454	42,237	5,623	36,614	1,217	2.8	-	8,502
1953 <sup>2</sup> .....	56,534	47,692	84.4	44,194	42,966	5,496	37,470	1,228	2.8	-	8,840
1954.....	57,016	47,847	83.9	44,537	42,165	5,429	36,736	2,372	5.3	-	9,169
1955.....	57,484	48,054	83.6	45,041	43,152	5,479	37,673	1,889	4.2	-	9,430
1956.....	58,044	48,579	83.7	45,756	43,999	5,268	38,731	1,757	3.8	-	9,465
1957.....	58,813	48,649	82.7	45,882	43,990	5,037	38,952	1,893	4.1	-	10,164
1958.....	59,478	48,802	82.1	46,197	43,042	4,802	38,240	3,155	6.8	-	10,677
1959.....	60,100	49,081	81.7	46,562	44,089	4,749	39,340	2,473	5.3	-	11,019
1960 <sup>3</sup> .....	61,000	49,507	81.2	47,025	44,485	4,678	39,807	2,541	5.4	-	11,493
1961.....	62,147	49,918	80.3	47,378	44,318	4,508	39,811	3,060	6.5	-	12,229
1962 <sup>4</sup> .....	63,234	50,175	79.3	47,380	44,892	4,266	40,626	2,488	5.3	-	13,059
1962: September.....	63,456	50,110	79.0	47,406	45,415	4,363	41,052	1,991	4.2	5.2	13,346
October.....	63,540	49,974	78.6	47,269	45,387	4,256	41,131	1,881	4.0	4.9	13,567
November.....	63,622	49,719	78.1	47,001	44,743	4,040	40,703	2,259	4.8	5.4	13,902
December.....	63,708	49,574	77.8	46,841	44,319	3,537	40,782	2,522	5.4	5.2	14,134
1963: January.....	63,776	49,269	77.3	46,585	43,505	3,666	39,839	3,080	6.6	5.5	14,507
February.....	63,846	49,508	77.5	46,816	43,523	3,529	39,994	3,293	7.0	5.9	14,339
March.....	63,926	49,675	77.7	46,975	43,962	3,711	40,251	3,013	6.4	5.4	14,251
April.....	63,991	50,010	78.2	47,306	44,706	3,945	40,762	2,600	5.5	5.4	13,980
May.....	64,053	50,483	78.8	47,778	45,345	4,140	41,205	2,434	5.1	5.5	13,570
June.....	64,130	52,204	81.4	49,500	46,722	4,644	42,078	2,779	5.6	5.2	11,926
July.....	64,197	52,477	81.7	49,765	47,249	4,711	42,538	2,516	5.1	5.2	11,721
August.....	64,259	52,060	81.0	49,342	47,118	4,385	42,733	2,224	4.5	4.9	12,199
September.....	64,322	50,602	78.7	47,884	45,983	4,103	41,880	1,902	4.0	4.9	13,719
<b>FEMALE</b>											
1940.....	50,300	14,160	28.2	14,160	11,970	1,090	10,880	2,190	15.5	-	36,140
1944.....	52,650	19,370	36.8	19,170	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 <sup>2</sup> .....	58,561	19,668	33.6	19,621	18,979	1,061	17,918	642	3.3	-	38,893
1954.....	59,203	19,971	33.7	19,931	18,724	1,067	17,657	1,207	6.1	-	39,232
1955.....	59,904	20,842	34.8	20,806	19,790	1,239	18,551	1,016	4.9	-	39,062
1956.....	60,690	21,808	35.9	21,774	20,707	1,306	19,401	1,067	4.9	-	38,883
1957.....	61,632	22,097	35.9	22,064	21,021	1,184	19,837	1,043	4.7	-	39,535
1958.....	62,472	22,482	36.0	22,451	20,924	1,042	19,882	1,526	6.8	-	39,990
1959.....	63,265	22,865	36.1	22,832	21,492	1,087	20,405	1,340	5.9	-	40,401
1960 <sup>3</sup> .....	64,368	23,619	36.7	23,587	22,196	1,045	21,151	1,390	5.9	-	40,749
1961.....	65,705	24,257	36.9	24,225	22,478	955	21,523	1,747	7.2	-	41,448
1962 <sup>4</sup> .....	66,848	24,507	36.7	24,474	22,954	924	22,031	1,519	6.2	-	42,341
1962: September.....	67,089	24,804	37.0	24,773	23,253	1,201	22,051	1,520	6.1	6.4	42,285
October.....	67,190	24,949	37.1	24,918	23,505	1,219	22,287	1,413	5.7	6.1	42,241
November.....	67,288	24,812	36.9	24,781	23,238	843	22,395	1,543	6.2	6.5	42,476
December.....	67,388	24,568	36.5	24,537	23,242	528	22,714	1,295	5.3	6.2	42,820
1963: January.....	67,478	24,054	35.6	24,022	22,430	540	21,890	1,592	6.6	6.4	43,424
February.....	67,567	24,492	36.2	24,460	22,835	520	22,315	1,625	6.6	6.5	43,076
March.....	67,663	24,707	36.5	24,675	23,186	625	22,560	1,489	6.0	6.0	42,957
April.....	67,749	24,886	36.7	24,854	23,391	728	22,663	1,463	5.9	6.2	42,863
May.....	67,812	25,381	37.4	25,349	23,717	1,038	22,679	1,632	6.4	6.7	42,431
June.....	67,906	25,697	37.8	25,665	23,598	1,310	22,287	2,067	8.1	6.5	42,209
July.....	67,999	25,440	37.4	25,408	23,602	1,258	22,344	1,806	7.1	6.4	42,559
August.....	68,087	25,108	36.9	25,076	23,443	1,111	22,332	1,633	6.5	6.5	42,979
September.....	68,175	25,209	37.0	25,178	23,563	1,223	22,340	1,615	6.4	6.8	42,967

<sup>1</sup>See footnote 1, table A-1. <sup>2</sup>See footnote 3, table A-1. <sup>3</sup>See footnote 4, table A-1. <sup>4</sup>See footnote 5, table A-1.

Table A-3: Employment status of the noninstitutional population, by sex

Employment status	(In thousands)								
	Total			Male			Female		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total	132,497	132,345	130,546	64,322	64,259	63,456	68,175	68,087	67,089
Total labor force	75,811	77,167	74,914	50,602	52,060	50,110	25,209	25,108	24,804
Civilian labor force	73,062	74,418	72,179	47,884	49,342	47,406	25,178	25,076	24,773
Employed	69,546	70,561	68,668	45,983	47,118	45,415	23,563	23,443	23,253
Agriculture	5,326	5,496	5,564	4,103	4,385	4,363	1,223	1,111	1,201
Nonagricultural industries	64,220	65,065	63,103	41,880	42,733	41,052	22,340	22,332	22,051
Unemployed	3,516	3,857	3,512	1,902	2,224	1,991	1,615	1,633	1,520
Looking for full-time work	2,800	3,282	(1)	1,582	1,936	(1)	1,218	1,346	(1)
Looking for part-time work	717	575	(1)	320	288	(1)	397	287	(1)
Not in labor force	56,686	55,178	55,631	13,719	12,199	13,346	42,967	42,979	42,285

<sup>1</sup>Not available.

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

Age and sex	Thousands of persons			Unemployment rate			Percent distribution		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total	3,516	3,857	3,512	4.8	5.2	4.9	100.0	100.0	100.0
Male	1,902	2,224	1,991	4.0	4.5	4.2	54.0	57.7	56.7
14 to 19 years	447	540	370	12.7	11.2	11.0	12.7	14.0	10.5
14 and 15 years	31	67	32	4.5	6.0	4.6	.9	1.7	.9
16 to 19 years	416	474	338	14.7	12.8	12.7	11.8	12.3	9.6
20 to 24 years	330	384	281	7.2	8.0	6.5	9.4	10.0	8.0
25 to 34 years	329	373	389	3.3	3.8	3.9	9.4	9.7	11.1
35 to 44 years	240	310	313	2.1	2.8	2.8	6.8	8.0	8.9
45 to 54 years	274	301	304	2.8	3.1	3.1	7.8	7.8	8.7
55 to 64 years	209	221	246	3.1	3.3	3.7	5.9	5.7	7.0
65 years and over	70	95	87	3.2	4.3	3.9	2.0	2.5	2.5
Female	1,615	1,633	1,520	6.4	6.5	6.1	46.0	42.3	43.3
14 to 19 years	360	362	277	14.2	11.5	11.2	10.2	9.4	7.9
14 and 15 years	14	35	24	4.1	7.0	5.8	.4	.9	.7
16 to 19 years	346	327	252	15.8	12.4	12.3	9.8	8.5	7.2
20 to 24 years	286	285	307	9.6	9.5	10.6	8.1	7.4	8.7
25 to 34 years	314	316	257	7.4	7.8	6.1	8.9	8.2	7.3
35 to 44 years	268	286	282	4.8	5.2	5.0	7.6	7.4	8.0
45 to 54 years	230	247	233	4.2	4.7	4.3	6.5	6.4	6.6
55 to 64 years	127	116	132	3.8	3.6	4.1	3.6	3.0	3.8
65 years and over	30	20	34	3.2	2.2	3.6	.9	.5	1.0

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

Industry	Unemployment rate			Percent distribution		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total	4.8	5.2	4.9	100.0	100.0	100.0
Experienced wage and salary workers	4.7	5.0	4.9	83.6	82.6	85.2
Agriculture	5.5	6.7	4.6	3.2	3.8	2.8
Nonagricultural industries	4.7	5.0	4.9	80.4	78.8	82.5
Mining, forestry, fisheries	3.6	5.3	6.0	.7	.9	1.1
Construction	6.6	6.9	6.5	7.7	7.7	7.6
Manufacturing	4.7	5.2	5.2	25.7	26.3	27.5
Durable goods	4.5	5.4	5.0	13.5	15.3	14.9
Nondurable goods	5.0	4.9	5.4	12.2	11.0	12.6
Transportation and public utilities	3.6	4.1	4.1	4.6	4.8	5.4
Wholesale and retail trade	5.8	5.7	6.1	18.2	16.9	18.5
Finance, insurance, and real estate	3.4	3.1	3.4	2.8	2.4	2.6
Service industries	4.5	4.7	4.4	18.3	17.5	17.7
Public administration	2.2	2.4	2.0	2.3	2.3	1.9
Self-employed and unpaid family workers	1.0	.8	.8	3.0	2.2	2.5
No previous work experience	-	-	-	13.4	15.2	12.3
14 to 19 years	-	-	-	10.4	11.8	8.5
20 years and over	-	-	-	3.0	3.4	3.8

HOUSEHOLD DATA

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

Occupation	Unemployment rate			Percent distribution		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total	4.8	5.2	4.9	100.0	100.0	100.0
White-collar workers	2.9	3.0	3.0	25.4	24.0	26.1
Professional and technical	1.8	2.3	1.8	4.3	4.7	4.3
Managers, officials, and proprietors	1.6	1.5	1.8	3.3	2.9	3.7
Clerical workers	4.2	4.2	4.3	12.7	11.9	13.0
Sales workers	4.0	3.8	4.0	5.0	4.5	5.1
Blue-collar workers	5.4	5.9	5.8	42.1	42.8	43.9
Craftsmen and foremen	2.8	3.5	3.4	7.6	8.7	8.9
Operatives	6.2	6.7	6.6	23.9	24.0	25.0
Nonfarm laborers	9.0	8.8	8.7	10.6	10.1	10.0
Service workers	6.2	5.8	5.9	16.3	14.8	15.5
Private household workers	4.8	5.2	4.5	3.1	3.3	2.9
Other service workers	6.6	6.0	6.4	13.2	11.5	12.6
Farm workers	1.9	2.3	1.4	2.8	3.2	2.1
Farmers and farm managers	.5	.3	.2	.3	.2	.1
Farm laborers and foremen	3.2	4.0	2.5	2.4	3.0	2.0
No previous work experience	-	-	-	13.4	15.2	12.3

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

Characteristics	Thousands of persons			Unemployment rate			Percent distribution		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
<b>COLOR</b>									
Total	3,516	3,857	3,512	4.8	5.2	4.9	100.0	100.0	100.0
White, total	2,753	2,975	2,798	4.2	4.5	4.4	78.3	77.1	79.7
Male	1,490	1,749	1,566	3.5	3.9	3.7	42.4	45.3	44.6
Female	1,262	1,226	1,233	5.8	5.7	5.8	35.9	31.8	35.1
Nonwhite, total	763	881	713	9.2	10.5	8.7	21.7	22.9	20.3
Male	411	475	425	8.5	9.6	8.9	11.7	12.3	12.1
Female	352	407	288	10.2	12.0	8.6	10.0	10.6	8.2
<b>MARITAL STATUS</b>									
Total	3,516	3,857	3,512	4.8	5.2	4.9	100.0	100.0	100.0
Male	1,902	2,224	1,991	4.0	4.5	4.2	54.0	57.6	56.7
Married, wife present	859	986	995	2.3	2.7	2.7	24.4	25.6	28.3
Single	865	1,015	772	10.5	10.3	9.5	24.6	26.3	22.0
14 to 19 years	437	530	362	13.1	11.5	11.5	12.4	13.7	10.3
20 years and over	428	485	410	8.8	9.2	8.2	12.2	12.6	11.7
Other marital status	178	223	225	7.0	8.7	8.9	5.1	5.8	6.4
Female	1,615	1,633	1,520	6.4	6.5	6.1	46.0	42.4	43.3
Married, husband present	744	802	786	5.4	6.1	5.7	21.2	20.8	22.4
Single	479	490	423	8.0	7.5	7.3	13.6	12.7	12.0
14 to 19 years	274	293	223	12.7	10.5	10.5	7.8	7.6	6.3
20 years and over	205	197	200	5.4	5.3	5.5	5.8	5.1	5.7
Other marital status	391	346	312	7.2	6.4	6.0	11.1	8.9	8.9
<b>HOUSEHOLD RELATIONSHIP</b>									
Total	3,516	3,857	3,512	4.8	5.2	4.9	100.0	100.0	100.0
Household head	1,290	1,395	(1)	2.9	3.1	(1)	36.7	36.1	(1)
Living with relatives	1,020	1,134	(1)	2.6	2.9	(1)	29.0	29.4	(1)
Not living with relatives	270	261	(1)	5.3	5.3	(1)	7.7	6.8	(1)
Wife of head	710	769	(1)	5.2	5.9	(1)	20.2	19.9	(1)
Other relative of head	1,427	1,604	(1)	11.0	10.4	(1)	40.6	41.6	(1)
Non-relative of head	91	91	(1)	6.0	5.9	(1)	2.6	2.4	(1)

1 Not available.

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

Duration of unemployment	Thousands of persons			Percent distribution			Category	Thousands of persons			Percent distribution		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962		Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
<b>Total</b> . . . . .	<b>3,516</b>	<b>3,857</b>	<b>3,512</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b> . . . . .	<b>3,516</b>	<b>3,857</b>	<b>3,512</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Less than 5 weeks . . . . .	1,682	1,670	1,681	47.8	43.3	47.9	Persons on temporary layoff . . . . .	90	189	107	2.6	4.9	3.0
5 to 14 weeks . . . . .	948	1,237	924	27.0	32.1	26.3							
5 and 6 weeks . . . . .	227	224	280	6.5	5.8	8.0	Persons scheduled to begin new jobs within 30 days . . . . .	234	221	185	6.7	5.7	5.3
7 to 10 weeks . . . . .	390	582	350	11.1	15.1	10.0							
11 to 14 weeks . . . . .	332	430	295	9.4	11.2	8.4	All other unemployed . . . . .	3,192	3,447	3,220	90.8	89.4	91.7
15 weeks and over . . . . .	886	949	906	25.2	24.6	25.8							
15 to 26 weeks . . . . .	382	439	428	10.9	11.4	12.2							
27 weeks and over . . . . .	503	510	477	14.3	13.2	13.6							
Average (mean) duration . . . . .	14.0	13.9	14.0	-	-	-							

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		
	Sept. 1963	Sept. 1962	Sept. 1963	Sept. 1962	Sept. 1963	Sept. 1962	Sept. 1963	Sept. 1962	
<b>INDUSTRY</b>									
<b>Total</b> . . . . .	<b>25.2</b>	<b>25.8</b>	<b>100.0</b>	<b>100.0</b>	<b>14.3</b>	<b>13.6</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Experienced wage and salary workers . . . . .	24.7	26.1	82.4	86.2	14.3	14.0	83.2	87.4	85.2
Agriculture . . . . .	20.5	(1)	2.6	1.9	14.3	(1)	3.2	1.5	2.8
Nonagricultural industries . . . . .	24.9	26.4	79.8	84.3	14.3	14.4	80.0	85.9	82.4
Mining, forestry, fisheries . . . . .	(1)	(1)	1.1	2.5	(1)	(1)	1.8	2.7	.9
Construction . . . . .	22.8	14.7	7.0	4.3	11.8	7.5	6.3	4.2	5.6
Manufacturing . . . . .	27.1	29.9	27.8	32.0	14.4	16.3	25.7	32.9	26.1
Durable goods . . . . .	30.4	32.4	16.3	18.7	16.0	18.3	15.0	20.1	14.5
Nondurable goods . . . . .	23.8	27.1	11.5	13.2	12.6	13.8	10.7	12.8	11.6
Transportation and public utilities . . . . .	22.7	28.3	4.2	6.0	13.5	19.4	4.4	7.8	6.2
Wholesale and retail trade . . . . .	23.8	27.2	17.2	19.5	14.9	13.2	18.8	18.0	15.0
Finance, insurance, and real estate, and service industries . . . . .	22.8	20.9	19.1	16.5	13.5	10.8	19.8	16.1	23.6
Public administration . . . . .	(1)	(1)	3.3	3.5	(1)	(1)	3.2	4.2	5.0
Self-employed and unpaid family workers . . . . .	36.2	(1)	4.3	2.6	31.4	(1)	6.5	4.0	14.1
No previous work experience . . . . .	24.9	23.4	13.3	11.1	11.0	9.5	10.3	8.6	.6
<b>OCCUPATION</b>									
<b>Total</b> . . . . .	<b>25.2</b>	<b>25.8</b>	<b>100.0</b>	<b>100.0</b>	<b>14.3</b>	<b>13.6</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
White-collar workers . . . . .	23.2	21.9	23.5	22.3	13.3	12.7	23.8	24.4	42.5
Professional and technical . . . . .	17.9	9.9	3.1	1.7	9.9	8.6	3.0	2.7	11.6
Managers, officials, and proprietors . . . . .	30.8	34.4	4.1	5.0	18.8	19.8	4.4	5.4	10.2
Clerical workers . . . . .	23.2	20.7	11.8	10.5	11.4	11.1	10.2	10.7	14.7
Sales workers . . . . .	23.2	25.8	4.6	5.1	17.5	15.2	6.2	5.6	6.1
Blue-collar workers . . . . .	28.4	29.1	47.6	49.6	16.3	15.1	48.3	48.7	37.2
Craftsmen and foremen . . . . .	31.3	23.9	9.5	8.3	17.2	11.1	9.2	7.3	12.9
Operatives . . . . .	28.6	31.3	27.2	30.4	15.8	17.2	26.5	31.6	18.7
Nonfarm laborers . . . . .	25.8	28.1	10.8	10.9	16.9	13.4	12.6	9.8	5.6
Service workers . . . . .	20.0	26.4	13.0	15.8	12.5	15.1	14.4	17.2	12.7
Private household workers . . . . .	12.8	27.7	1.6	3.1	4.6	16.8	1.0	3.6	3.1
Other service workers . . . . .	21.7	26.1	11.4	12.7	14.4	14.7	13.4	13.6	9.6
Farm workers . . . . .	(1)	(1)	2.6	1.3	(1)	(1)	3.2	1.0	6.9
Farmers and farm managers . . . . .	(1)	-	.6	-	(1)	-	.6	-	3.3
Farm laborers and foremen . . . . .	(1)	(1)	2.0	1.3	(1)	(1)	2.6	1.0	3.7
No previous work experience . . . . .	24.9	23.4	13.3	11.1	11.0	9.5	10.3	8.6	.6

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

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

Characteristics	Unemployed 15 weeks and over				Unemployed 27 weeks and over				Civilian labor force (percent distribution)
	Percent of unemployed in each group		Percent distribution		Percent of unemployed in each group		Percent distribution		
	Sept. 1963	Sept. 1962	Sept. 1963	Sept. 1962	Sept. 1963	Sept. 1962	Sept. 1963	Sept. 1962	
<b>AGE</b>									
Total	25.2	25.8	100.0	100.0	14.3	13.6	100.0	100.0	100.0
Male	28.5	28.7	61.3	63.2	17.0	16.2	64.5	67.7	65.5
14 to 19 years	17.2	17.0	8.7	6.9	7.4	5.4	6.5	4.2	4.8
20 to 24 years	24.2	20.6	9.0	6.4	12.7	9.6	8.3	5.7	6.2
25 to 44 years	28.7	26.3	18.5	20.4	16.1	16.2	18.3	23.9	28.8
45 years and over	40.2	41.9	25.1	29.4	28.5	25.4	31.3	34.0	25.7
Female	21.2	22.0	38.7	36.8	11.1	10.1	35.5	32.3	34.5
14 to 19 years	14.7	18.8	6.0	5.7	4.4	7.9	3.2	4.6	3.5
20 to 24 years	18.2	17.3	5.9	5.8	9.1	6.2	5.2	4.0	4.1
25 to 44 years	20.6	20.3	13.5	12.0	10.0	9.1	11.5	10.3	13.5
45 years and over	30.6	30.1	13.3	13.2	20.5	16.0	15.7	13.4	13.4
<b>COLOR</b>									
Total	25.2	25.8	100.0	100.0	14.3	13.6	100.0	100.0	100.0
White, total	22.2	24.6	68.9	75.9	12.3	12.2	67.3	71.3	88.7
Male	25.1	27.8	42.3	48.1	14.6	14.6	43.3	48.0	58.9
Female	18.7	20.4	26.7	27.8	9.6	9.0	24.0	23.3	29.7
Nonwhite, total	36.2	30.6	31.1	24.1	21.5	19.2	32.7	28.7	11.3
Male	41.1	32.0	19.1	15.0	26.0	22.1	21.2	19.7	6.6
Female	30.1	28.5	12.0	9.1	16.5	14.9	11.5	9.0	4.7
<b>MARITAL STATUS</b>									
Total	25.2	25.8	100.0	100.0	14.3	13.6	100.0	100.0	100.0
Male	28.5	28.7	61.3	63.2	17.0	16.2	64.5	67.7	65.5
Married, wife present	28.2	30.9	27.3	33.9	16.8	17.5	28.6	36.6	50.8
Single	26.1	23.2	25.5	19.8	14.8	12.8	25.6	20.6	11.2
14 to 19 years	17.2	17.1	8.5	6.9	7.6	5.5	6.5	4.2	4.6
20 years and over	35.3	28.5	17.1	12.9	22.4	19.0	19.0	16.4	6.7
Other marital status	42.1	38.2	8.5	9.5	29.2	22.7	10.3	10.7	3.5
Female	21.2	22.0	38.7	36.8	11.1	10.1	35.5	32.3	34.5
Married, husband present	20.3	19.1	17.1	16.6	9.4	7.1	13.9	11.8	18.9
Single	18.2	26.0	9.7	12.1	7.1	10.9	6.7	9.5	8.1
14 to 19 years	16.4	21.5	5.1	5.3	4.7	8.5	2.6	4.0	3.0
20 years and over	20.0	30.5	4.6	6.7	10.2	13.0	4.2	5.5	5.2
Other marital status	26.9	23.7	11.9	8.2	19.2	16.7	14.9	10.9	7.4

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	Sept. 1963	Aug. 1963		Looking for full- time work	Looking for part- time work	Sept. 1963	Aug. 1963
	Sept. 1963	Sept. 1963	Sept. 1963	Aug. 1963		Sept. 1963	Sept. 1963	Sept. 1963	Aug. 1963
Total	100.0	100.0	20.4	14.9	Total	100.0	100.0	20.4	14.9
Male	56.5	44.4	16.8	12.9	White-collar workers	25.1	26.7	21.5	15.3
14 to 19 years	9.0	27.2	43.6	35.9	Professional and technical	4.1	5.1	24.3	13.1
Major activity:					Managers, officials, and proprietors	3.7	1.9	11.9	9.6
Going to school	.7	24.8	90.4	(1)	Clerical workers	12.6	13.2	21.2	16.1
All other	8.3	2.4	6.8	35.6	Sales workers	4.6	6.4	26.1	19.1
20 to 24 years	10.0	7.0	15.2	6.8	Blue-collar workers	47.1	22.8	11.0	7.2
25 to 54 years	29.2	3.8	3.2	2.4	Craftsmen and foremen	8.8	3.3	8.9	5.0
55 years and over	8.3	6.5	16.8	14.3	Operatives	26.6	13.5	11.5	7.6
Female	43.5	55.6	24.6	17.6	Nonfarm laborers	11.8	6.0	11.5	8.3
14 to 19 years	7.9	19.4	38.2	27.1	Service workers	16.8	14.0	17.6	14.4
Major activity:					Private household workers	3.0	3.3	22.0	29.9
Going to school	.3	15.3	93.2	(1)	Other service workers	13.8	10.7	16.6	10.0
All other	7.6	4.0	11.9	26.6	Farm workers	1.9	6.5	47.0	19.7
20 to 24 years	8.9	5.2	12.9	13.0	Farmers and farm managers	.2	.8	(1)	-
25 to 54 years	22.4	25.6	22.7	15.2	Farm laborers and foremen	1.7	5.7	(1)	21.1
55 years and over	4.3	5.4	24.7	16.8	No previous work experience	9.2	29.9	45.6	35.0

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



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

Age and sex	Thousands of persons			Labor force participation rate		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
<b>Total</b> . . . . .	75,811	77,167	74,914	57.2	58.3	57.4
<b>Male</b> . . . . .	50,602	52,060	50,110	78.7	81.0	79.0
14 to 19 years . . . . .	4,019	5,291	3,829	41.9	55.4	41.3
14 and 15 years . . . . .	690	1,106	690	19.6	31.5	19.0
16 and 17 years . . . . .	1,275	1,795	1,165	38.6	54.8	41.2
18 and 19 years . . . . .	2,054	2,390	1,974	74.3	86.3	70.0
20 to 24 years . . . . .	5,507	5,800	5,256	88.0	92.9	88.4
25 to 34 years . . . . .	10,621	10,631	10,704	97.4	97.4	97.6
35 to 44 years . . . . .	11,603	11,571	11,616	97.7	97.4	98.0
45 to 54 years . . . . .	9,954	9,944	9,823	95.8	95.8	95.7
55 to 64 years . . . . .	6,730	6,623	6,628	86.5	85.3	86.7
55 to 59 years . . . . .	3,899	3,866	3,835	91.7	91.1	91.6
60 to 64 years . . . . .	2,831	2,757	2,793	80.2	78.3	80.7
65 years and over . . . . .	2,170	2,199	2,254	28.8	29.2	30.1
<b>Female</b> . . . . .	25,209	25,108	24,804	37.0	36.9	37.0
14 to 19 years . . . . .	2,536	3,155	2,469	27.0	33.7	27.3
14 and 15 years . . . . .	333	504	413	9.8	14.8	11.7
16 and 17 years . . . . .	806	1,066	681	24.9	33.3	24.7
18 and 19 years . . . . .	1,397	1,586	1,375	51.1	58.0	49.6
20 to 24 years . . . . .	2,995	3,005	2,910	47.5	47.8	48.6
25 to 34 years . . . . .	4,228	4,056	4,212	37.6	36.1	37.3
35 to 44 years . . . . .	5,639	5,457	5,604	45.1	43.7	45.0
45 to 54 years . . . . .	5,508	5,312	5,425	50.5	48.7	50.5
55 to 64 years . . . . .	3,368	3,221	3,238	39.9	38.3	39.1
55 to 59 years . . . . .	2,055	1,983	1,986	45.4	43.9	44.7
60 to 64 years . . . . .	1,313	1,238	1,252	33.6	31.7	32.7
65 years and over . . . . .	935	901	946	9.9	9.6	10.2

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

Age and sex	(In thousands)					
	Male			Female		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
<b>All industries</b> . . . . .	45,983	47,118	45,415	23,563	23,443	23,253
14 to 19 years . . . . .	3,068	4,272	2,984	2,168	2,787	2,186
20 to 24 years . . . . .	4,223	4,405	4,018	2,699	2,709	2,593
25 to 34 years . . . . .	9,528	9,504	9,544	3,907	3,733	3,948
35 to 44 years . . . . .	10,957	10,877	10,893	5,367	5,166	5,318
45 to 54 years . . . . .	9,593	9,559	9,433	5,277	5,063	5,191
55 to 64 years . . . . .	6,516	6,397	6,375	3,241	3,105	3,106
65 years and over . . . . .	2,100	2,105	2,168	905	880	912
<b>Nonagricultural industries</b> . . . . .	41,880	42,733	41,052	22,340	22,332	22,051
14 to 19 years . . . . .	2,468	3,355	2,330	1,990	2,555	2,011
20 to 24 years . . . . .	3,927	4,124	3,697	2,622	2,633	2,524
25 to 34 years . . . . .	9,013	9,006	8,999	3,719	3,571	3,775
35 to 44 years . . . . .	10,219	10,129	10,175	5,128	4,966	5,050
45 to 54 years . . . . .	8,853	8,798	8,563	5,033	4,859	4,911
55 to 64 years . . . . .	5,798	5,711	5,657	3,038	2,932	2,933
65 years and over . . . . .	1,601	1,609	1,631	810	816	847
<b>Agriculture</b> . . . . .	4,103	4,385	4,363	1,223	1,111	1,201
14 to 19 years . . . . .	600	916	653	178	232	175
20 to 24 years . . . . .	296	280	321	77	76	68
25 to 34 years . . . . .	515	497	544	188	162	173
35 to 44 years . . . . .	738	748	719	239	200	268
45 to 54 years . . . . .	740	760	871	244	203	280
55 to 64 years . . . . .	718	686	718	203	171	172
65 years and over . . . . .	499	496	536	95	65	65

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

Characteristics	(In thousands)								
	Total			Male			Female		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
<b>CLASS OF WORKER</b>									
<b>Total</b> . . . . .	69,546	70,561	68,668	45,983	47,118	45,415	23,563	23,443	23,253
<b>Nonagricultural industries</b> . . . . .	64,220	65,065	63,103	41,880	42,733	41,052	22,340	22,332	22,051
Wage and salary workers . . . . .	57,389	58,312	56,322	38,336	37,806	36,145	20,513	20,506	20,178
Private household workers . . . . .	2,459	2,746	2,441	353	467	350	2,106	2,279	2,091
Government workers . . . . .	9,063	8,630	8,757	5,524	5,425	5,260	3,560	3,205	3,497
Other wage and salary workers . . . . .	45,865	46,936	45,124	32,459	31,914	30,535	14,847	15,022	14,590
Self-employed workers . . . . .	6,288	6,134	6,176	7,214	4,801	4,830	1,345	1,333	1,346
Unpaid family workers . . . . .	544	619	605	433	125	77	484	493	527
<b>Agriculture</b> . . . . .	5,326	5,496	5,564	4,103	4,385	4,363	1,223	1,111	1,201
Wage and salary workers . . . . .	1,942	2,031	2,025	1,459	1,616	1,548	483	416	478
Self-employed workers . . . . .	2,433	2,434	2,543	2,271	2,315	2,415	163	118	128
Unpaid family workers . . . . .	949	1,031	996	373	454	400	576	577	596
<b>OCCUPATION</b>									
<b>Total</b> . . . . .	69,546	70,561	68,668	45,983	47,118	45,415	23,563	23,443	23,253
White-collar workers . . . . .	30,132	29,854	29,954	17,416	17,277	17,284	12,714	12,578	12,670
Professional and technical . . . . .	8,303	7,749	8,276	5,425	5,197	5,379	2,879	2,553	2,896
Managers, officials, and proprietors . . . . .	7,308	7,211	7,322	6,196	6,069	6,151	1,111	1,142	1,172
Clerical workers . . . . .	10,272	10,446	10,073	3,159	3,245	3,115	7,112	7,201	6,958
Sales workers . . . . .	4,249	4,448	4,283	2,636	2,766	2,639	1,612	1,682	1,644
Blue-collar workers . . . . .	25,724	26,322	24,897	21,780	22,460	21,071	3,945	3,863	3,828
Craftsmen and foremen . . . . .	9,166	9,371	8,871	8,905	9,117	8,643	261	255	230
Operatives . . . . .	12,817	12,948	12,351	9,243	9,423	8,836	3,573	3,525	3,514
Nonfarm laborers . . . . .	3,741	4,003	3,675	3,632	3,920	3,592	111	83	84
Service workers . . . . .	8,735	9,228	8,580	2,992	3,281	2,963	5,743	5,946	5,617
Private household workers . . . . .	2,174	2,338	2,147	49	58	59	2,125	2,280	2,089
Other service workers . . . . .	6,561	6,890	6,433	2,943	3,223	2,904	3,618	3,666	3,528
<b>Farm workers</b> . . . . .	4,956	5,156	5,238	3,794	4,101	4,097	1,162	1,055	1,141
Farmers and farm managers . . . . .	2,367	2,385	2,517	2,214	2,266	2,393	153	119	124
Farm laborers and foremen . . . . .	2,589	2,771	2,721	1,580	1,835	1,704	1,009	936	1,017

Table A-15: Employed persons, by hours worked

(In thousands)

Hours worked	All industries			Nonagricultural industries			Agriculture		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total .....	69,546	70,561	68,668	64,220	65,065	63,103	5,326	5,496	5,564
With a job but not at work .....	3,102	7,338	2,780	2,990	7,142	2,680	112	196	101
At work .....	66,444	63,223	65,887	61,231	57,923	60,423	5,212	5,300	5,464
1-34 hours .....	12,362	11,843	12,512	10,768	10,245	10,740	1,594	1,599	1,772
1-4 hours .....	882	854	871	845	770	793	37	84	78
5-14 hours .....	3,185	2,850	3,067	2,800	2,491	2,684	387	360	383
15-34 hours .....	8,294	8,139	8,575	7,124	6,985	7,265	1,170	1,155	1,310
35 hours or more .....	54,083	51,381	53,377	50,462	47,678	49,684	3,619	3,702	3,693
35-40 hours .....	31,057	29,798	30,603	30,308	29,020	29,801	748	777	803
41 hours and over .....	23,026	21,583	22,773	20,154	18,658	19,883	2,871	2,925	2,890
Average hours, total at work .....	41.0	41.1	40.9	40.5	40.6	40.6	45.8	46.7	45.1

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

(In thousands)

Full- or part-time status	All industries			Nonagricultural industries		
	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total .....	69,546	70,561	68,668	64,220	65,065	63,103
With a job but not at work .....	3,102	7,338	2,780	2,990	7,142	2,680
At work .....	66,444	63,223	65,887	61,231	57,923	60,423
On full-time schedules .....	56,061	53,672	55,758	52,259	49,775	51,734
35 hours or more .....	54,083	51,381	53,376	50,462	47,678	49,684
1-34 hours for noneconomic reasons .....	1,978	2,291	2,382	1,797	2,097	2,050
Bad weather .....	234	201	419	167	148	196
Industrial dispute .....	20	23	14	20	23	14
Vacation .....	292	635	363	283	602	348
Illness .....	624	565	695	585	546	656
Holiday .....	143	84	287	143	84	287
All other reasons .....	665	783	604	599	694	549
On part time for economic reasons .....	2,583	3,255	2,529	2,270	2,791	2,245
Usually work full time .....	1,285	1,393	1,200	1,158	1,183	1,093
Average hours .....	23.2	23.5	23.6	23.4	23.8	23.6
Usually work part time .....	1,298	1,862	1,329	1,112	1,608	1,152
Average hours .....	18.3	17.0	18.4	18.1	16.9	18.1
On part time for noneconomic reasons; usually work part time .....	7,801	6,298	7,601	6,702	5,357	6,445

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								
	Sept. 1963	Aug. 1963	Sept. 1962	Total			Wage and salary workers					
				Sept. 1963	Aug. 1963	Sept. 1962	Number			Percent paid		
				Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962	Sept. 1963	Aug. 1963	Sept. 1962
Total .....	3,102	7,338	2,780	2,990	7,142	2,680	2,638	6,632	2,432	57.8	64.6	62.3
Bad weather .....	26	14	17	22	9	10	11	3	7	-	(1)	-
Industrial dispute .....	24	50	32	24	50	32	24	50	32	-	-	-
Vacation .....	1,553	5,460	1,448	1,540	5,399	1,439	1,449	5,121	1,386	83.4	75.0	84.8
Illness .....	931	824	811	873	772	757	772	686	668	35.6	30.6	37.9
All other reasons .....	568	991	472	530	923	441	381	774	340	10.8	29.8	24.4

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

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

September 1963  
(In thousands)

Age, sex, and color	Total labor force		Civilian labor force						Not in labor force				
	Number	Percent of population	Total	Employed			Unemployed		Total	Keeping house	In school	Unable to work	Other
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force					
Male . . . . .	50,602	78.7	47,884	45,983	4,103	41,880	1,902	4.0	13,719	130	5,665	1,081	6,844
14 and 15 years . . . . .	690	19.6	690	659	213	446	31	4.5	2,823	6	2,685	2	130
16 and 17 years . . . . .	1,275	38.6	1,223	1,031	225	806	192	15.7	2,031	1	1,883	-	147
18 and 19 years . . . . .	2,054	74.3	1,602	1,377	161	1,216	224	14.0	712	-	538	-	174
20 to 24 years . . . . .	5,507	88.0	4,554	4,223	296	3,927	330	7.2	752	3	457	35	257
25 to 29 years . . . . .	5,187	96.4	4,757	4,550	224	4,326	206	4.3	192	-	68	24	101
30 to 34 years . . . . .	5,434	98.4	5,101	4,978	291	4,687	123	2.4	91	3	12	37	39
35 to 39 years . . . . .	5,834	97.9	5,602	5,486	355	5,132	115	2.1	126	4	12	41	69
40 to 44 years . . . . .	5,769	97.4	5,595	5,470	383	5,087	125	2.2	152	-	4	64	85
45 to 49 years . . . . .	5,248	96.6	5,182	5,045	356	4,689	137	2.7	186	9	2	68	108
50 to 54 years . . . . .	4,706	94.9	4,684	4,548	384	4,164	137	2.9	254	8	2	85	159
55 to 59 years . . . . .	3,899	91.7	3,895	3,780	360	3,420	115	3.0	351	8	1	111	231
60 to 64 years . . . . .	2,831	80.2	2,830	2,735	358	2,378	94	3.3	698	15	-	110	573
65 to 69 years . . . . .	1,196	42.6	1,196	1,144	222	922	52	4.4	1,610	14	-	119	1,476
70 years and over . . . . .	974	20.7	974	956	277	679	18	1.9	3,741	60	-	386	3,296
White . . . . .	45,566	78.9	43,064	41,573	3,509	38,064	1,490	3.5	12,210	119	4,967	902	6,223
Nonwhite . . . . .	5,036	76.9	4,820	4,409	594	3,816	411	8.5	1,509	11	698	179	622
Female . . . . .	25,209	37.0	25,178	23,563	1,223	22,340	1,615	6.4	42,967	34,961	5,904	726	1,375
14 and 15 years . . . . .	333	9.8	333	319	61	258	14	4.1	3,082	30	2,927	-	125
16 and 17 years . . . . .	806	24.9	806	681	57	624	125	15.5	2,428	205	2,094	9	120
18 and 19 years . . . . .	1,397	51.1	1,390	1,168	60	1,108	221	15.9	1,338	574	564	2	198
20 to 24 years . . . . .	2,995	47.5	2,985	2,699	77	2,622	286	9.6	3,309	2,855	263	32	160
25 to 29 years . . . . .	2,093	37.9	2,089	1,921	85	1,836	168	8.0	3,424	3,366	5	14	39
30 to 34 years . . . . .	2,135	37.4	2,132	1,986	103	1,883	146	6.9	3,580	3,523	17	16	24
35 to 39 years . . . . .	2,658	42.6	2,656	2,529	123	2,406	127	4.8	3,585	3,533	7	21	24
40 to 44 years . . . . .	2,981	47.7	2,979	2,837	116	2,722	141	4.7	3,267	3,203	8	16	40
45 to 49 years . . . . .	2,863	50.2	2,862	2,735	103	2,633	127	4.4	2,811	2,776	4	17	44
50 to 54 years . . . . .	2,645	50.7	2,644	2,541	141	2,400	103	3.9	2,567	2,524	7	21	25
55 to 59 years . . . . .	2,055	45.4	2,055	1,979	127	1,852	76	3.7	2,473	2,384	3	35	51
60 to 64 years . . . . .	1,313	33.6	1,313	1,263	76	1,186	51	3.9	2,595	2,474	-	50	71
65 to 69 years . . . . .	552	16.6	552	531	57	474	21	3.8	2,773	2,598	-	58	117
70 years and over . . . . .	383	6.3	383	374	38	336	9	2.4	5,703	4,927	4	436	337
White . . . . .	21,746	35.7	21,717	20,455	811	19,644	1,262	5.8	39,125	32,090	5,182	623	1,230
Nonwhite . . . . .	3,462	47.4	3,460	3,108	412	2,696	352	10.2	3,842	2,871	722	103	145

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

September 1963  
(Percent distribution)

Industry	Full- or part-time status					Hours of work				
	Total at work	On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over
			Economic reasons		Other reasons					
			Usually work full time	Usually work part time	Usually work part time					
Total <sup>1</sup> . . . . .	100.0	85.8	1.9	1.8	10.5	100.0	17.2	52.8	15.3	14.8
Construction . . . . .	100.0	89.8	4.8	2.3	3.1	100.0	16.5	52.6	15.8	15.1
Manufacturing . . . . .	100.0	93.3	2.9	.9	3.0	100.0	10.0	62.3	15.7	12.1
Durable goods . . . . .	100.0	96.1	2.1	.6	1.2	100.0	7.2	65.6	15.6	11.6
Nondurable goods . . . . .	100.0	89.8	3.9	1.2	5.3	100.0	13.5	58.2	15.7	12.8
Transportation and public utilities . . . . .	100.0	92.6	1.6	1.1	4.6	100.0	9.8	59.9	14.0	16.2
Wholesale and retail trade . . . . .	100.0	77.9	1.2	2.4	18.4	100.0	24.1	36.5	19.9	19.4
Finance, insurance, and real estate . . . . .	100.0	90.0	1.1	.4	8.5	100.0	12.1	62.2	11.8	13.9
Service industries . . . . .	100.0	74.9	1.0	3.3	20.7	100.0	27.3	44.3	13.8	14.5

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

# HOUSEHOLD DATA

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

September 1963

(Percent distribution)

Occupation	Full or part-time status						Hours of work					
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over	Average hours, total at work
				Economic reasons		Other reasons						
	Thousands	Percent		Usually work full time	Usually work part time	Usually work part time						
White-collar workers	28,655	100.0	88.0	.7	.8	10.7	100.0	14.7	50.1	14.1	21.3	41.9
Professional and technical	7,879	100.0	91.0	.6	.5	8.0	100.0	11.8	52.7	14.8	20.8	42.7
Managers, officials, and proprietors	7,005	100.0	95.0	.6	.4	4.0	100.0	7.2	32.2	17.2	43.4	49.1
Clerical workers	9,735	100.0	86.4	.7	.9	12.0	100.0	16.4	67.1	10.9	5.6	37.9
Sales workers	4,036	100.0	73.3	.8	1.8	24.1	100.0	28.5	34.9	15.1	21.5	37.8
Blue-collar workers	24,579	100.0	88.8	3.6	1.8	5.8	100.0	15.0	52.9	17.1	15.0	40.7
Craftsmen and foremen	8,754	100.0	94.0	2.4	1.1	2.5	100.0	9.9	54.6	18.6	16.9	42.2
Operatives	12,281	100.0	89.2	4.0	1.5	5.3	100.0	14.3	53.3	17.3	15.1	41.2
Nonfarm laborers	3,544	100.0	74.5	5.0	4.8	15.7	100.0	29.8	47.6	12.7	9.9	35.6
Service workers	8,368	100.0	66.4	1.1	5.4	27.1	100.0	35.8	36.4	13.4	14.4	35.3
Private household workers	2,103	100.0	39.8	.3	10.7	49.2	100.0	62.0	19.2	8.2	10.6	25.8
Other service workers	6,265	100.0	75.4	1.4	3.6	19.6	100.0	27.0	42.3	15.1	15.6	38.5

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

September 1963

Occupation	Thousands			Percent distribution								
	Total	Male	Female	Total	Male	Female	White			Nonwhite		
							Total	Male	Female	Total	Male	Female
Total	69,546	45,983	23,563	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	30,132	17,416	12,714	43.3	37.9	54.0	46.5	40.2	59.1	17.5	15.7	20.0
Professional and technical	8,303	5,425	2,879	11.9	11.8	12.2	12.7	12.5	13.0	5.8	5.0	7.0
Medical and other health	1,304	541	763	1.9	1.2	3.2	2.0	1.2	3.5	.9	.6	1.4
Teachers, except college	1,883	605	1,279	2.7	1.3	5.4	2.8	1.4	5.6	2.3	.9	4.3
Other professional and technical	5,116	4,279	837	7.4	9.3	3.6	7.9	9.9	3.9	2.6	3.5	1.4
Managers, officials, and proprietors	7,308	6,196	1,111	10.5	13.5	4.7	11.5	14.5	5.2	2.6	3.4	1.5
Salaried workers	4,043	3,395	648	5.8	7.4	2.7	6.4	8.0	3.1	1.1	1.4	.7
Self-employed workers in retail trade	1,451	1,151	299	2.1	2.5	1.3	2.2	2.7	1.4	.7	.9	.5
Self-employed workers, except retail trade	1,814	1,650	164	2.6	3.6	.7	2.8	3.8	.8	.8	1.2	.2
Clerical workers	10,272	3,159	7,112	14.8	6.9	30.2	15.7	7.1	33.2	7.2	5.1	10.2
Stenographers, typists, and secretaries	2,630	69	2,560	3.8	.2	10.9	4.1	.2	12.0	1.4	.1	3.1
Other clerical workers	7,642	3,090	4,552	11.0	6.7	19.3	11.6	6.9	21.2	5.9	5.0	7.1
Sales workers	4,249	2,636	1,612	6.1	5.7	6.8	6.6	6.1	7.7	1.8	2.1	1.3
Retail trade	2,466	1,023	1,442	3.5	2.2	6.1	3.8	2.3	6.9	1.1	1.1	1.1
Other sales workers	1,783	1,613	170	2.6	3.5	.7	2.8	3.8	.8	.7	1.0	.2
Blue-collar workers	25,724	21,780	3,945	37.0	47.4	16.7	36.7	46.4	17.2	39.1	56.9	13.8
Craftsmen, foremen	9,166	8,905	261	13.2	19.4	1.1	14.0	20.3	1.2	6.4	10.4	.7
Carpenters	867	864	3	1.2	1.9	(1)	1.3	2.0	(1)	.5	.9	-
Construction craftsmen, except carpenters	1,913	1,903	10	2.8	4.1	(1)	2.9	4.3	(1)	1.6	2.8	(1)
Mechanics and repairmen	2,167	2,150	16	3.1	4.7	.1	3.2	4.8	.1	2.1	3.5	-
Metal craftsmen, except mechanics	1,135	1,118	17	1.6	2.4	.1	1.8	2.6	.1	.6	.9	.1
Other craftsmen and kindred workers	1,797	1,674	124	2.6	3.6	.5	2.7	3.8	.5	1.3	1.8	.5
Foremen, not elsewhere classified	1,287	1,196	91	1.9	2.6	.4	2.0	2.8	.4	.4	.5	.2
Operatives	12,817	9,243	3,573	18.4	20.1	15.2	18.3	19.7	15.6	19.2	24.1	12.3
Drivers and deliverymen	2,520	2,467	53	3.6	5.4	.2	3.6	5.2	.2	4.1	7.0	.1
Other operatives	10,297	6,776	3,520	14.8	14.7	14.9	14.8	14.5	15.3	15.1	17.1	12.2
Durable goods manufacturing	3,880	2,926	954	5.6	6.4	4.0	5.7	6.4	4.4	4.6	6.4	2.1
Nondurable goods manufacturing	3,666	1,711	1,955	5.3	3.7	8.3	5.3	3.6	8.7	4.8	4.4	5.4
Other industries	2,751	2,139	611	4.0	4.7	2.6	3.8	4.5	2.3	5.6	6.2	4.8
Nonfarm laborers	3,741	3,632	111	5.4	7.9	.5	4.4	6.4	.4	13.5	22.5	.8
Construction	768	767	2	1.1	1.7	(1)	.9	1.4	(1)	2.7	4.6	-
Manufacturing	1,113	1,047	66	1.6	2.3	.3	1.2	1.7	.3	4.5	7.4	.4
Other industries	1,860	1,818	43	2.7	4.0	.2	2.2	3.3	.1	6.3	10.5	.4
Service workers	8,735	2,992	5,743	12.6	6.5	24.4	10.4	5.6	20.0	30.7	14.8	53.1
Private household workers	2,174	49	2,125	3.1	.1	9.0	1.9	.1	5.6	13.2	.2	31.5
Service workers, except private household	6,561	2,943	3,618	9.4	6.4	15.4	8.5	5.5	14.4	17.5	14.6	21.6
Protective service workers	817	785	32	1.2	1.7	.1	1.2	1.8	.1	.6	.9	(1)
Waiters, cooks, and bartenders	1,841	483	1,358	2.6	1.1	5.8	2.6	.9	5.9	3.4	2.6	4.6
Other service workers	3,903	1,675	2,228	5.6	3.6	9.5	4.7	2.9	8.3	13.5	11.0	17.0
Farm workers	4,956	3,794	1,162	7.1	8.3	4.9	6.4	7.8	3.7	12.8	12.6	13.0
Farmers and farm managers	2,367	2,214	153	3.4	4.8	.6	3.5	5.0	.6	2.4	3.3	1.0
Farm laborers and foremen	2,589	1,580	1,009	3.7	3.4	4.3	2.9	2.8	3.1	10.4	9.2	12.0
Paid workers	1,651	1,207	444	2.4	2.6	1.9	1.7	2.1	.9	7.8	7.6	8.1
Unpaid family workers	938	373	565	1.3	.8	2.4	1.2	.7	2.2	2.6	1.6	3.9

Less than 0.05 percent.

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

September 1963

(Percent distribution)

Characteristics	Full or part-time status						Hours of work				
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 hours and over	Average hours, total at work
				Economic reasons		Other reasons					
	Thousands	Percent	Usually work full time	Usually work part time	Usually work part time						
<b>AGE AND SEX</b>											
Total .....	61,231	100.0	85.3	1.9	1.8	10.9	100.0	17.6	49.5	32.9	40.5
Male .....	40,072	100.0	91.0	1.8	1.3	5.9	100.0	11.9	47.8	40.3	43.1
14 to 17 years .....	1,227	100.0	14.2	1.3	3.0	81.6	100.0	86.5	7.6	6.0	15.9
18 and 19 years .....	1,191	100.0	65.4	4.5	5.7	24.3	100.0	36.9	37.8	25.2	35.2
20 to 24 years .....	3,821	100.0	90.6	2.9	1.7	4.7	100.0	12.6	50.5	36.8	42.0
25 to 34 years .....	8,677	100.0	96.8	1.6	.5	1.2	100.0	6.0	49.7	44.4	45.2
35 to 44 years .....	9,867	100.0	96.9	1.5	.7	.9	100.0	6.2	48.6	45.2	45.5
45 to 64 years .....	13,797	100.0	95.0	1.7	1.4	1.9	100.0	8.0	51.2	40.8	44.4
65 years and over .....	1,492	100.0	65.9	1.6	3.3	29.2	100.0	35.7	36.4	27.9	35.5
Female .....	21,159	100.0	74.6	2.0	2.8	20.5	100.0	28.3	52.6	19.0	35.6
14 to 17 years .....	865	100.0	13.8	1.6	3.0	81.6	100.0	86.6	12.2	1.2	13.4
18 and 19 years .....	1,067	100.0	74.8	3.2	4.8	17.2	100.0	29.3	55.5	15.2	34.6
20 to 24 years .....	2,455	100.0	85.1	1.7	2.7	10.5	100.0	17.9	65.4	16.7	37.5
25 to 34 years .....	3,502	100.0	78.4	2.1	2.0	17.5	100.0	25.2	56.0	18.8	36.2
35 to 44 years .....	4,863	100.0	75.6	2.3	2.6	19.4	100.0	27.7	54.0	18.2	36.2
45 to 64 years .....	7,652	100.0	77.9	1.9	2.8	17.5	100.0	25.1	52.5	22.5	37.3
65 years and over .....	756	100.0	53.8	1.7	5.2	39.2	100.0	47.6	30.1	22.2	32.7
<b>MARITAL STATUS AND SEX</b>											
Male: Single .....	6,094	100.0	69.9	2.6	3.3	24.3	100.0	32.9	44.0	23.2	34.5
Married, wife present .....	31,956	100.0	95.4	1.5	.7	2.3	100.0	7.3	48.7	43.9	44.9
Other .....	2,023	100.0	85.6	3.7	4.1	6.5	100.0	18.3	46.7	34.9	41.4
Female: Single .....	4,988	100.0	74.1	1.1	3.0	21.8	100.0	28.0	56.5	15.5	34.1
Married, husband present .....	11,591	100.0	73.1	2.5	2.2	22.2	100.0	30.3	51.3	18.4	35.5
Other .....	4,580	100.0	79.1	1.9	4.2	14.9	100.0	24.3	51.7	24.1	37.6
<b>COLOR AND SEX</b>											
White .....	55,064	100.0	85.8	1.8	1.4	10.9	100.0	17.0	49.3	33.6	40.8
Male .....	36,433	100.0	91.3	1.7	1.0	5.9	100.0	11.5	47.2	41.2	43.3
Female .....	18,631	100.0	75.4	2.1	2.0	20.5	100.0	27.7	53.4	18.9	35.8
Nonwhite .....	6,167	100.0	80.2	2.4	5.8	11.7	100.0	22.7	51.0	26.4	38.3
Male .....	3,640	100.0	88.0	2.9	3.8	5.4	100.0	15.0	54.0	31.1	40.9
Female .....	2,528	100.0	68.9	1.8	8.6	20.7	100.0	33.7	46.7	19.6	34.5

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

September 1963

(Percent distribution)

Hours of work	Total	Agriculture				Nonagricultural industries						
		Total	Wage and salary workers	Self-employed workers	Unpaid family workers	Total	Wage and salary workers			Self-employed workers	Unpaid family workers	
							Total	Private households	Government			Other
Total at work .....	66,444	5,212	1,924	2,340	949	61,231	54,753	2,393	8,595	43,765	5,936	543
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 .....	18.6	30.5	37.2	17.1	50.5	17.6	17.2	63.2	11.9	15.7	19.7	37.7
1 to 14 hours .....	6.1	8.1	13.0	7.4	-	6.0	5.7	39.9	2.9	4.4	8.7	-
15 to 21 hours .....	4.7	9.7	9.6	3.8	24.6	4.3	4.1	10.9	3.2	3.9	4.3	21.4
22 to 29 hours .....	3.7	7.3	7.0	2.8	19.4	3.4	3.4	8.7	2.0	3.3	3.5	9.9
30 to 34 hours .....	4.1	5.4	7.6	3.1	6.5	3.9	4.0	3.7	3.8	4.1	3.2	6.4
35 to 40 hours .....	46.7	14.4	17.5	11.5	15.0	49.5	52.8	18.8	60.8	53.1	21.5	22.9
35 to 39 hours .....	6.4	5.3	4.4	4.0	10.3	6.5	6.7	6.4	6.9	6.7	4.4	8.7
40 hours .....	40.3	9.1	13.1	7.5	4.7	43.0	46.1	12.4	53.9	46.4	17.1	16.2
41 hours and over .....	34.7	54.9	45.3	71.4	34.3	32.9	30.1	17.9	27.1	31.4	58.8	39.2
41 to 47 hours .....	8.3	5.4	6.2	4.6	6.2	8.5	8.7	4.2	8.9	9.0	7.6	5.8
48 hours .....	6.5	4.5	4.5	4.7	4.1	6.6	6.6	3.6	4.1	7.3	6.7	6.7
49 hours and over .....	19.9	45.0	34.6	62.1	24.0	17.8	14.8	10.1	14.1	15.1	44.5	26.7
49 to 54 hours .....	6.6	9.9	10.4	9.9	8.8	6.4	5.8	3.0	5.0	6.1	11.4	9.9
55 to 59 hours .....	3.0	4.0	4.2	4.1	3.4	2.9	2.7	2.4	2.6	2.7	5.1	1.6
60 to 69 hours .....	5.6	13.6	10.1	19.8	5.4	4.9	3.8	1.8	3.6	3.9	14.8	7.6
70 hours and over .....	4.7	17.5	9.9	28.3	6.4	3.6	2.5	2.9	2.9	2.4	13.2	7.6
Average hours, total at work .....	41.0	45.8	40.3	54.0	36.8	40.5	39.9	24.9	41.1	40.5	46.5	39.7

# HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Employment status	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
Total labor force . . . . .	75,885	75,664	76,013	75,456	75,726	75,738	75,430	75,225	75,064	74,848	74,577	74,651	74,989
Civilian labor force . . . . .	73,136	72,915	73,269	72,720	72,989	73,002	72,698	72,501	72,348	72,084	71,827	71,915	72,254
Employed . . . . .	69,076	68,917	69,161	68,602	68,676	68,874	68,636	68,086	68,171	68,091	67,691	68,076	68,188
Agriculture . . . . .	4,884	4,838	5,024	4,909	5,033	5,023	5,008	4,841	5,183	4,843	4,983	5,040	5,114
Nonagricultural industries . . . . .	64,192	64,079	64,137	63,693	63,643	63,851	63,628	63,245	62,988	63,248	62,708	63,036	63,074
Unemployed . . . . .	4,060	3,998	4,108	4,118	4,313	4,128	4,062	4,415	4,177	3,993	4,136	3,839	4,066

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

Selected unemployment rates	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
Total (all civilian workers) . . . . .	5.6	5.5	5.6	5.7	5.9	5.7	5.6	6.1	5.8	5.5	5.8	5.3	5.6
Men, 20 years and over . . . . .	4.1	4.1	4.3	4.4	4.4	4.5	4.6	5.1	4.8	4.7	4.5	4.3	4.6
Women, 20 years and over . . . . .	5.8	5.7	5.3	5.4	5.4	5.2	5.1	5.5	5.4	5.2	5.6	5.3	5.8
Both sexes, 14 to 19 years . . . . .	15.0	14.1	16.2	16.0	17.8	15.6	14.9	15.6	13.9	12.9	15.6	12.8	12.6
Married men (wife present) . . . . .	2.9	3.0	3.2	3.1	3.4	3.3	3.5	4.1	3.8	3.5	3.4	3.4	3.4
Experienced wage and salary workers . . . . .	5.4	5.4	5.4	5.6	5.5	5.4	5.5	6.0	5.7	5.5	5.6	5.2	5.6
Labor force time lost through unemployment and part-time work <sup>1</sup>	6.7	6.7	6.8	7.0	6.9	6.6	6.6	7.1	6.8	6.6	6.9	6.6	6.8

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

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

(In thousands)

Duration of unemployment	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
Less than 5 weeks . . . . .	1,782	1,796	1,843	1,905	2,074	1,842	1,741	1,948	1,770	1,677	1,978	1,690	1,781
5 to 14 weeks . . . . .	1,226	1,152	1,345	1,277	1,150	1,246	1,207	1,278	1,213	1,174	1,088	1,162	1,195
15 weeks and over:													
Number . . . . .	1,083	1,085	1,009	1,071	1,142	1,061	1,074	1,151	1,163	1,129	1,043	1,018	1,108
Percent of civilian labor force . . . . .	1.5	1.5	1.4	1.5	1.6	1.5	1.5	1.6	1.6	1.6	1.5	1.4	1.5

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

(In thousands)

Employment status, age and sex	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
Civilian labor force . . . . .	73,136	72,915	73,269	72,720	72,989	73,002	72,698	72,501	72,348	72,084	71,827	71,915	72,254
Men, 20 years and over . . . . .	44,235	44,230	44,435	44,256	44,034	44,175	44,232	44,140	44,062	43,917	43,840	43,932	43,954
Women, 20 years and over . . . . .	22,506	22,340	22,440	22,327	22,432	22,518	22,406	22,280	22,192	22,016	21,994	21,954	22,169
Both sexes, 14 to 19 years . . . . .	6,395	6,345	6,394	6,137	6,523	6,309	6,060	6,081	6,094	6,151	5,993	6,029	6,131
Employed, all industries . . . . .	69,076	68,917	69,161	68,602	68,676	68,874	68,636	68,086	68,171	68,091	67,691	68,076	68,188
Men, 20 years and over . . . . .	42,435	42,395	42,542	42,317	42,093	42,206	42,207	41,907	41,930	41,859	41,860	42,024	41,948
Women, 20 years and over . . . . .	21,205	21,073	21,261	21,130	21,219	21,344	21,274	21,047	20,996	20,874	20,771	20,793	20,879
Both sexes, 14 to 19 years . . . . .	5,436	5,449	5,358	5,155	5,364	5,324	5,155	5,132	5,245	5,358	5,060	5,259	5,361
Employed, nonagricultural industries . . . . .	64,192	64,079	64,137	63,693	63,643	63,851	63,628	63,245	62,988	63,248	62,708	63,036	63,074
Men, 20 years and over . . . . .	39,099	39,064	39,043	38,831	38,668	38,776	38,709	38,512	38,315	38,458	38,258	38,495	38,415
Women, 20 years and over . . . . .	20,370	20,306	20,489	20,401	20,382	20,512	20,421	20,279	20,168	20,136	20,012	19,996	20,060
Both sexes, 14 to 19 years . . . . .	4,723	4,709	4,605	4,461	4,593	4,563	4,498	4,454	4,505	4,654	4,438	4,545	4,599
Unemployed . . . . .	4,060	3,998	4,108	4,118	4,313	4,128	4,062	4,415	4,177	3,993	4,136	3,839	4,066
Men, 20 years and over . . . . .	1,800	1,835	1,893	1,939	1,941	1,969	2,025	2,233	2,132	2,058	1,980	1,908	2,006
Women, 20 years and over . . . . .	1,301	1,267	1,179	1,197	1,213	1,174	1,132	1,233	1,196	1,142	1,223	1,161	1,290
Both sexes, 14 to 19 years . . . . .	959	896	1,036	982	1,159	985	905	949	849	793	933	770	770

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

(In thousands)

Full- or part-time status	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
On full-time schedules . . . . .	51,436	51,314	51,678	51,317	51,472	51,282	51,233	51,180	50,757	50,803	50,501	50,919	50,919
On part time for economic reasons . . . . .	2,429	2,531	2,261	2,324	2,194	2,179	2,229	2,196	2,345	2,298	2,461	2,436	2,405
Usually work full time . . . . .	1,211	1,222	1,042	1,067	1,010	1,080	1,000	965	1,092	995	1,145	1,072	1,143
Usually work part time . . . . .	1,218	1,309	1,219	1,257	1,184	1,099	1,229	1,231	1,253	1,303	1,316	1,364	1,262
On part time for noneconomic reasons; usually work part time . . . . .	7,010	7,030	6,928	6,843	6,758	6,622	6,696	6,579	6,729	6,582	6,599	6,637	6,742

# 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	1,132	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	15,211	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098	
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087	
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188	
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340	
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563	
1955.....	50,675	792	2,802	16,882	4,144	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	
1962:														
September..	56,872	657	3,235	17,249	3,932	11,656	3,107	8,549	2,821	8,075	9,247	2,336	6,911	
October....	56,953	652	3,195	17,157	3,935	11,704	3,109	8,595	2,814	8,084	9,412	2,333	7,079	
November...	56,828	644	3,057	17,023	3,912	11,856	3,100	8,756	2,813	8,047	9,476	2,348	7,128	
December...	57,044	634	2,776	16,862	3,914	12,420	3,118	9,302	2,811	8,014	9,613	2,492	7,121	
January....	55,409	622	2,584	16,687	3,775	11,535	3,073	8,462	2,806	7,956	9,444	2,327	7,117	
February...	55,374	618	2,470	16,683	3,844	11,433	3,065	8,368	2,813	7,997	9,516	2,332	7,184	
March.....	55,714	616	2,556	16,756	3,847	11,497	3,069	8,428	2,825	8,076	9,541	2,334	7,207	
April.....	56,505	632	2,846	16,845	3,859	11,740	3,075	8,665	2,842	8,199	9,542	2,344	7,198	
May.....	56,967	643	3,049	16,960	3,897	11,720	3,085	8,635	2,858	8,294	9,546	2,340	7,206	
June.....	57,609	650	3,232	17,111	3,954	11,848	3,132	8,716	2,885	8,423	9,506	2,365	7,141	
1963:														
July.....	57,422	641	3,364	17,050	3,975	11,832	3,168	8,664	2,916	8,474	9,170	2,375	6,795	
August.....	57,632	646	3,430	17,184	3,974	11,868	3,198	8,670	2,920	8,461	9,149	2,367	6,782	
September..	58,186	642	3,365	17,370	3,983	11,930	3,198	8,732	2,888	8,436	9,572	2,352	7,220	

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

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>TOTAL</b> .....	58,186	57,632	57,422	56,872	56,329	-	-	-	-	-
<b>MINING</b> .....	642	646	641	657	663	-	508	505	518	524
<b>METAL MINING</b> .....	-	84.7	84.4	78.8	82.1	-	70.5	70.1	63.9	67.1
Iron ores .....	-	28.2	27.9	24.4	26.1	-	24.3	24.0	20.4	22.0
Copper ores .....	-	27.5	27.5	27.9	28.8	-	22.4	22.3	22.6	23.5
<b>COAL MINING</b> .....	-	135.1	125.9	150.1	149.1	-	118.8	111.5	131.7	131.2
Bituminous .....	-	124.5	114.5	138.8	137.7	-	109.4	101.3	121.8	121.2
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	297.7	302.2	301.6	303.5	-	211.6	215.6	216.5	217.7
Crude petroleum and natural gas fields .....	-	166.6	167.5	167.8	170.4	-	98.0	98.5	99.9	101.8
Oil and gas field services .....	-	131.1	134.7	133.8	133.1	-	113.6	117.1	116.6	115.9
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	128.2	128.5	126.5	128.5	-	106.8	107.3	106.2	107.7
<b>CONTRACT CONSTRUCTION</b> .....	3,365	3,430	3,364	3,235	3,288	-	2,970	2,906	2,788	2,837
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	1,051.2	1,033.5	959.0	985.7	-	919.1	902.0	832.5	858.4
<b>HEAVY CONSTRUCTION</b> .....	-	735.2	718.4	709.1	727.1	-	657.2	639.3	629.5	645.2
Highway and street construction .....	-	403.6	392.3	381.7	392.1	-	370.7	359.3	350.4	360.4
Other heavy construction .....	-	331.6	326.1	327.4	335.0	-	286.5	280.0	279.1	284.8
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	1,643.1	1,612.0	1,567.2	1,575.6	-	1,393.5	1,364.6	1,325.5	1,333.7
<b>MANUFACTURING</b> .....	17,370	17,184	17,050	17,249	17,040	12,893	12,701	12,571	12,840	12,624
<b>DURABLE GOODS</b> .....	9,772	9,598	9,666	9,638	9,455	7,160	6,992	7,056	7,064	6,883
<b>NONDURABLE GOODS</b> .....	7,598	7,586	7,384	7,611	7,585	5,733	5,709	5,515	5,776	5,741
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	276.9	276.3	276.2	279.2	280.3	118.6	118.2	118.2	122.9	124.0
Ammunition, except for small arms .....	192.5	192.0	191.1	189.3	190.7	68.3	68.2	67.6	69.4	70.9
Sighting and fire control equipment .....	-	26.0	26.6	32.2	32.5	-	10.4	10.7	13.5	13.3
Other ordnance and accessories .....	58.9	58.3	58.5	57.7	57.1	40.0	39.6	39.9	40.0	39.8
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	613.2	610.5	589.4	610.5	620.5	552.0	549.1	527.5	548.5	557.4
Logging camps and logging contractors .....	91.6	89.6	82.8	90.8	94.4	86.8	84.6	78.0	86.4	89.8
Sawmills and planing mills .....	262.7	263.6	256.2	262.1	265.0	240.9	241.8	234.4	239.7	242.0
Sawmills and planing mills, general .....	-	229.3	222.8	227.6	231.7	-	210.4	203.9	208.0	211.5
Millwork, plywood, and related products .....	157.7	156.3	150.6	158.3	160.6	134.8	133.4	126.9	134.7	136.8
Millwork .....	-	73.8	72.6	70.2	71.0	-	60.5	58.9	57.2	58.0
Veneer and plywood .....	-	66.6	62.1	70.1	70.1	-	61.6	57.1	64.8	64.9
Wooden containers .....	35.9	36.4	36.4	36.2	37.1	32.7	33.1	33.3	32.9	33.7
Wooden boxes, shooks, and crates .....	-	28.6	28.6	27.5	28.2	-	26.0	26.1	24.8	25.5
Miscellaneous wood products .....	65.3	64.6	63.4	63.1	63.4	56.8	56.2	54.9	54.8	55.1

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)					Production workers <sup>1</sup>				
	All employees									
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Durable Goods--Continued</i>										
<b>FURNITURE AND FIXTURES</b> . . . . .	399.7	396.7	386.5	392.6	391.6	334.0	331.0	321.3	326.7	326.4
Household furniture . . . . .	289.0	286.5	279.4	281.7	278.8	248.1	245.5	238.9	240.9	238.6
Wood house furniture, unupholstered . . . . .	-	149.8	146.2	146.0	144.9	-	133.4	129.9	129.9	128.9
Wood house furniture, upholstered . . . . .	-	70.2	67.4	68.9	67.8	-	58.9	56.5	57.7	56.9
Mattresses and bedsprings . . . . .	-	35.7	34.7	35.4	35.1	-	28.1	27.3	27.9	27.7
Office furniture . . . . .	-	27.3	25.8	26.8	28.7	-	21.8	20.5	21.2	23.2
Partitions; office and store fixtures . . . . .	-	41.1	40.4	42.4	42.0	-	31.3	30.4	32.4	32.1
Other furniture and fixtures . . . . .	42.9	41.8	40.9	41.7	42.1	33.4	32.4	31.5	32.2	32.5
<b>STONE, CLAY, AND GLASS PRODUCTS</b> . . . . .	632.5	635.7	630.0	616.4	618.8	513.7	515.8	512.1	500.2	501.8
Flat glass . . . . .	-	31.5	30.3	30.8	30.5	-	25.2	24.5	25.4	25.1
Glass and glassware, pressed or blown . . . . .	117.2	116.6	116.1	111.7	112.1	101.4	101.0	100.6	95.6	95.2
Glass containers . . . . .	-	69.1	69.2	65.3	67.1	-	61.2	61.4	57.8	59.1
Pressed and blown glassware, n.e.c. . . . .	-	47.5	46.9	46.4	45.0	-	39.8	39.2	37.8	36.1
Cement, hydraulic . . . . .	42.4	42.7	42.7	42.2	42.4	34.2	34.4	34.4	34.1	34.5
Structural clay products . . . . .	70.5	72.0	71.3	70.8	71.4	60.0	61.5	60.9	60.7	61.3
Brick and structural clay tile . . . . .	-	32.1	31.6	32.3	32.7	-	28.7	28.2	29.0	29.5
Pottery and related products . . . . .	-	44.4	43.7	44.4	43.8	-	37.8	37.1	37.8	37.3
Concrete, gypsum, and plaster products . . . . .	182.3	185.4	184.0	177.0	178.9	144.7	147.8	147.6	140.4	142.3
Other stone and mineral products . . . . .	122.2	122.8	122.4	120.3	120.8	91.0	91.5	91.2	90.3	90.6
Abrasive products . . . . .	-	23.3	23.4	23.4	23.5	-	14.4	14.4	14.2	14.3
<b>PRIMARY METAL INDUSTRIES</b> . . . . .	1,163.6	1,170.4	1,195.9	1,135.0	1,133.0	940.8	945.2	970.0	909.5	904.3
Blast furnace and basic steel products . . . . .	582.4	593.0	615.9	561.1	562.2	474.1	482.7	505.0	447.6	446.1
Blast furnaces, steel and rolling mills . . . . .	-	524.8	548.8	493.5	494.3	-	429.2	452.6	395.1	393.7
Iron and steel foundries . . . . .	199.1	195.7	198.4	194.7	191.9	169.0	165.5	168.3	164.5	161.9
Gray iron foundries . . . . .	-	115.3	118.9	115.9	113.6	-	98.3	102.1	99.0	96.8
Malleable iron foundries . . . . .	-	24.7	24.5	24.8	24.1	-	20.5	20.4	20.7	20.1
Steel foundries . . . . .	-	55.7	55.0	54.0	54.2	-	46.7	45.8	44.8	45.0
Nonferrous smelting and refining . . . . .	69.9	70.5	70.3	68.7	68.4	54.0	54.3	54.3	53.4	52.6
Nonferrous rolling, drawing, and extruding . . . . .	183.9	183.3	183.0	181.8	180.9	140.0	139.4	138.7	139.5	138.4
Copper rolling, drawing, and extruding . . . . .	-	47.0	46.9	46.6	45.9	-	36.3	36.0	36.2	35.5
Aluminum rolling, drawing, and extruding . . . . .	-	60.9	61.5	58.8	59.5	-	46.1	46.4	44.8	45.4
Nonferrous wire drawing and insulating . . . . .	-	58.2	57.6	59.8	58.9	-	45.0	44.5	46.8	45.8
Nonferrous foundries . . . . .	70.7	70.6	70.9	70.6	70.6	58.5	58.4	58.8	58.7	58.5
Aluminum castings . . . . .	-	35.4	35.3	34.4	34.3	-	29.7	29.7	28.8	28.7
Other nonferrous castings . . . . .	-	35.2	35.6	36.2	36.3	-	28.7	29.1	29.9	29.8
Miscellaneous primary metal industries . . . . .	57.6	57.3	57.4	58.1	59.0	45.2	44.9	44.9	45.8	46.8
Iron and steel forgings . . . . .	-	39.6	39.4	39.9	41.0	-	31.4	31.2	31.9	33.0
<b>FABRICATED METAL PRODUCTS</b> . . . . .	1,173.9	1,162.4	1,149.1	1,146.7	1,126.8	903.1	890.8	878.7	881.2	860.0
Metal cans . . . . .	64.7	65.7	65.0	65.0	65.1	54.6	55.4	54.7	54.5	54.6
Cutlery, hand tools, and general hardware . . . . .	135.6	132.5	130.5	134.8	131.4	106.3	103.2	101.4	106.0	102.5
Cutlery and hand tools, including saws . . . . .	-	51.6	49.8	52.0	51.7	-	40.0	38.3	40.5	40.1
Hardware, n.e.c. . . . .	-	80.9	80.7	82.8	79.7	-	63.2	63.1	65.5	62.4
Heating equipment and plumbing fixtures . . . . .	78.4	78.8	77.5	76.1	76.4	59.1	59.3	58.3	57.0	57.0
Sanitary ware and plumbers' brass goods . . . . .	-	33.9	33.6	32.4	32.7	-	27.5	27.5	26.3	26.5
Heating equipment, except electric . . . . .	-	44.9	43.9	43.7	43.7	-	31.8	30.8	30.7	30.5
Fabricated structural metal products . . . . .	352.4	353.1	346.6	340.7	339.6	253.3	253.6	247.7	243.0	241.6
Fabricated structural steel . . . . .	-	99.0	98.1	97.8	97.5	-	73.7	72.7	72.2	71.8
Metal doors, sash, frames, and trim . . . . .	-	66.6	65.0	62.2	63.2	-	48.6	47.3	44.9	45.5
Fabricated plate work (boiler shops) . . . . .	-	88.0	86.9	86.8	84.3	-	58.1	57.2	56.2	53.9
Sheet metal work . . . . .	-	62.2	60.7	58.8	59.2	-	46.4	44.8	44.5	45.0
Architectural and miscellaneous metal work . . . . .	-	37.3	35.9	35.1	35.4	-	26.8	25.7	25.2	25.4
Screw machine products, bolts, etc. . . . .	89.3	88.9	87.6	87.7	87.6	70.4	69.9	68.7	69.1	68.9
Screw machine products . . . . .	-	38.1	37.8	38.6	38.3	-	32.1	31.8	32.6	32.2
Bolts, nuts, screws, rivets, and washers . . . . .	-	50.8	49.8	49.1	49.3	-	37.8	36.9	36.5	36.7
Metal stampings . . . . .	194.6	187.3	189.0	193.8	180.6	157.3	149.9	151.3	156.8	143.7
Coating, engraving, and allied services . . . . .	72.7	71.1	69.1	67.6	67.6	60.9	59.2	57.4	57.9	56.1
Miscellaneous fabricated wire products . . . . .	58.9	58.0	57.0	57.2	56.1	47.0	46.3	45.4	45.7	44.5
Miscellaneous fabricated metal products . . . . .	127.3	127.0	126.8	122.3	122.4	94.2	94.0	93.8	91.2	91.1
Valves, pipe, and pipe fittings . . . . .	-	77.1	76.8	74.3	74.1	-	54.8	54.5	53.2	53.1

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

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

Industry	(In thousands)					Production workers <sup>1</sup>				
	All employees									
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Durable Goods--Continued</i>										
<b>MACHINERY . . . . .</b>	1,521.4	1,517.5	1,512.4	1,498.4	1,494.4	1,051.3	1,044.8	1,040.9	1,041.7	1,035.7
Engines and turbines . . . . .	86.3	85.5	84.7	84.8	84.9	57.2	56.3	55.6	55.7	56.1
Steam engines and turbines . . . . .	-	35.3	35.3	34.1	35.2	-	19.7	19.7	18.7	19.8
Internal combustion engines, n.e.c . . . . .	-	50.2	49.4	50.7	49.7	-	36.6	35.9	37.0	36.3
Farm machinery and equipment . . . . .	-	115.5	117.3	112.9	111.8	-	81.8	84.1	80.9	79.6
Construction and related machinery . . . . .	217.2	217.5	214.6	213.6	214.7	146.2	145.9	142.7	142.3	143.0
Construction and mining machinery . . . . .	-	119.3	117.9	117.4	117.6	-	83.3	81.6	81.2	81.2
Oil field machinery and equipment . . . . .	-	32.2	32.0	33.3	33.8	-	21.1	20.9	22.0	22.6
Conveyors, hoists, and industrial cranes . . . . .	-	30.6	30.9	28.9	29.2	-	20.1	20.0	18.7	18.7
Metalworking machinery and equipment . . . . .	268.9	269.4	268.3	260.1	257.8	200.1	199.8	199.1	193.5	191.1
Machine tools, metal cutting types . . . . .	-	70.9	70.4	68.0	67.3	-	48.7	48.4	46.6	45.9
Special dies, tools, jigs, and fixtures . . . . .	-	91.9	92.8	89.1	88.2	-	74.4	75.4	72.9	71.7
Machine tool accessories . . . . .	-	45.5	44.4	43.4	43.1	-	33.2	32.0	31.7	31.4
Miscellaneous metalworking machinery . . . . .	-	61.1	60.7	59.6	59.2	-	43.5	43.3	42.3	42.1
Special industry machinery . . . . .	167.3	166.7	166.8	169.8	170.5	114.4	113.7	113.8	117.4	117.5
Food products machinery . . . . .	-	32.2	32.2	33.5	33.4	-	20.6	20.5	21.7	21.3
Textile machinery . . . . .	-	37.2	37.3	38.6	38.4	-	28.5	28.8	29.8	29.6
General industrial machinery . . . . .	233.5	232.1	231.0	230.3	230.0	155.2	153.6	153.3	155.7	155.5
Pumps; air and gas compressors . . . . .	-	65.6	64.7	62.6	63.6	-	37.0	36.9	36.2	37.2
Ball and roller bearings . . . . .	-	50.0	50.1	52.3	51.3	-	39.0	38.9	42.1	40.8
Mechanical power transmission goods . . . . .	-	45.9	45.9	44.4	45.0	-	33.8	33.8	32.4	33.0
Office, computing, and accounting machines . . . . .	153.4	153.5	152.8	156.8	157.1	89.2	88.9	88.5	97.3	97.3
Computing machines and cash registers . . . . .	-	109.5	109.4	112.2	113.0	-	58.9	58.5	65.8	66.2
Service industry machines . . . . .	98.9	98.3	101.2	100.0	99.5	66.7	66.1	68.7	68.1	67.4
Refrigeration, except home refrigerators . . . . .	-	61.3	64.3	61.8	60.9	-	41.3	44.0	42.5	41.4
Miscellaneous machinery . . . . .	179.4	179.0	175.7	170.1	168.1	139.3	138.7	135.1	130.8	128.2
Machine shops, jobbing and repair . . . . .	-	124.0	121.9	116.9	116.0	-	97.6	95.5	91.2	89.7
Machine parts, n.e.c., except electrical . . . . .	-	55.0	53.8	53.2	52.1	-	41.1	39.6	39.6	38.5
<b>ELECTRICAL EQUIPMENT AND SUPPLIES . . . . .</b>	1,599.7	1,570.8	1,566.3	1,607.8	1,590.3	1,067.7	1,047.7	1,040.2	1,084.5	1,066.4
Electric distribution equipment . . . . .	171.4	170.5	168.6	170.0	169.7	113.4	112.9	111.1	113.5	113.1
Electric measuring instruments . . . . .	-	54.9	54.5	57.8	57.8	-	35.9	35.5	38.9	38.9
Power and distribution transformers . . . . .	-	44.1	43.3	42.8	42.6	-	30.7	29.9	29.3	29.2
Switchgear and switchboard apparatus . . . . .	-	71.5	70.8	69.4	69.3	-	46.3	45.7	45.3	45.0
Electrical industrial apparatus . . . . .	188.7	188.0	187.8	187.1	185.7	129.3	128.2	128.1	127.9	126.4
Motors and generators . . . . .	-	100.7	101.0	100.9	99.2	-	69.9	70.2	70.0	68.1
Industrial controls . . . . .	-	50.7	50.8	50.0	50.1	-	33.2	33.3	33.0	33.1
Household appliances . . . . .	158.9	154.0	152.6	150.9	148.2	121.7	117.7	116.2	116.0	112.6
Household refrigerators and freezers . . . . .	-	47.1	48.8	45.9	45.3	-	36.5	38.2	35.9	35.0
Household laundry equipment . . . . .	-	25.9	25.2	26.1	25.7	-	19.8	18.7	19.7	19.3
Electric housewares and fans . . . . .	-	35.9	33.3	34.9	33.3	-	27.6	25.2	27.0	25.3
Electric lighting and wiring equipment . . . . .	152.4	150.5	146.5	146.7	143.8	118.6	117.1	113.6	115.1	111.7
Electric lamps . . . . .	-	30.4	30.1	29.3	28.7	-	26.5	26.2	25.5	25.0
Lighting fixtures . . . . .	-	53.5	51.7	52.3	50.8	-	41.2	39.7	40.5	38.9
Wiring devices . . . . .	-	66.6	64.7	65.1	64.3	-	49.4	47.7	49.1	47.8
Radio and TV receiving sets . . . . .	124.0	118.0	113.5	117.9	115.2	95.0	91.0	86.0	89.4	87.0
Communication equipment . . . . .	428.7	425.1	427.1	451.3	448.8	217.0	215.2	214.3	234.6	232.1
Telephone and telegraph apparatus . . . . .	-	115.3	118.1	124.2	123.4	-	77.4	77.7	81.3	79.6
Radio and TV communication equipment . . . . .	-	309.8	309.0	327.1	325.4	-	137.8	136.6	153.3	152.5
Electronic components and accessories . . . . .	268.7	265.8	261.6	272.5	270.8	195.2	193.8	189.4	202.9	201.6
Electron tubes . . . . .	-	67.7	67.8	71.3	71.6	-	44.8	44.7	49.6	50.3
Electronic components, n.e.c. . . . .	-	198.1	193.8	201.2	199.2	-	149.0	144.7	153.3	151.3
Miscellaneous electrical equipment and supplies . . . . .	106.9	98.9	108.6	111.4	108.1	77.5	71.8	81.5	85.1	81.9
Electrical equipment for engines . . . . .	-	55.3	65.6	66.4	63.7	-	39.3	49.6	51.2	48.5
<b>TRANSPORTATION EQUIPMENT . . . . .</b>	1,593.9	1,471.7	1,600.4	1,575.0	1,430.5	1,096.0	976.1	1,098.9	1,080.0	946.9
Motor vehicles and equipment . . . . .	721.2	601.3	732.1	712.2	574.3	558.6	440.9	564.8	551.0	418.1
Motor vehicles . . . . .	-	224.4	284.0	278.5	213.8	-	152.5	206.6	204.6	141.8
Passenger car bodies . . . . .	-	45.7	68.0	65.2	49.8	-	32.6	55.0	52.4	37.7
Truck and bus bodies . . . . .	-	33.3	36.4	32.9	29.4	-	26.7	29.9	26.5	23.3
Motor vehicle parts and accessories . . . . .	-	276.1	322.1	315.0	260.8	-	212.3	256.9	251.8	199.9
Aircraft and parts . . . . .	646.0	644.6	643.3	643.8	636.0	352.1	350.8	349.8	350.0	348.7
Aircraft . . . . .	-	330.2	329.5	338.9	333.3	-	174.5	172.5	176.9	177.4
Aircraft engines and engine parts . . . . .	-	210.6	209.9	202.0	200.6	-	110.1	110.9	108.8	107.3
Other aircraft parts and equipment . . . . .	-	103.8	103.9	102.9	102.1	-	66.2	66.4	64.3	64.0
Ship and boat building and repairing . . . . .	143.1	142.3	141.8	141.9	141.9	119.6	118.9	118.8	119.2	119.2
Ship building and repairing . . . . .	-	118.5	118.1	118.0	118.5	-	99.7	99.6	99.4	100.0
Boat building and repairing . . . . .	-	23.8	23.7	23.9	23.4	-	19.2	19.2	19.8	19.2
Railroad equipment . . . . .	-	44.2	44.3	42.1	42.8	-	33.2	33.4	31.4	31.9
Other transportation equipment . . . . .	-	39.3	38.9	35.0	35.5	-	32.3	32.1	28.4	29.0

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	All employees					Production workers <sup>1</sup>				
	Sept.	Aug.	July	Sept.	Aug.	Sept.	Aug.	July	Sept.	Aug.
	1963	1963	1963	1962	1962	1963	1963	1963	1962	1962
<i>Durable Goods--Continued</i>										
<b>INSTRUMENTS AND RELATED PRODUCTS</b>	377.9	377.0	372.0	364.2	363.9	241.8	241.2	236.6	232.7	232.1
Engineering and scientific instruments	-	74.5	73.1	75.1	74.5	-	40.0	38.2	39.9	39.4
Mechanical measuring and control devices	98.2	97.8	97.9	95.4	95.5	63.5	63.3	63.7	62.2	62.2
Mechanical measuring devices	-	60.0	60.5	59.8	59.8	-	37.2	37.9	38.0	38.1
Automatic temperature controls	-	37.8	37.4	35.6	35.7	-	26.1	25.8	24.2	24.1
Optical and ophthalmic goods	41.6	41.4	41.1	40.6	40.5	29.8	29.7	29.3	29.3	29.5
Surgical, medical, and dental equipment	54.3	54.0	52.3	51.0	50.9	37.9	37.9	36.8	35.8	35.6
Photographic equipment and supplies	(*)	78.3	77.7	73.3	74.0	(*)	45.0	44.2	42.2	42.4
Watches and clocks	-	31.0	29.9	28.8	28.5	-	25.3	24.4	23.3	23.0
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	419.1	409.1	388.2	412.4	405.3	341.2	331.9	311.7	335.6	328.3
Jewelry, silverware, and plated ware	43.2	42.0	38.8	43.0	42.3	33.5	32.5	29.7	33.6	32.7
Toys, amusement, and sporting goods	-	115.9	106.3	114.8	112.4	-	98.7	88.7	97.6	95.2
Toys, games, dolls, and play vehicles	-	77.4	67.6	75.5	73.7	-	67.8	57.9	66.5	64.8
Sporting and athletic goods, n.e.c.	-	38.5	38.7	39.3	38.7	-	30.9	30.8	31.1	30.4
Pens, pencils, office, and art materials	-	32.2	31.3	32.0	31.6	-	24.5	23.7	24.3	23.9
Costume jewelry, buttons, and notions	-	59.3	56.5	59.6	58.8	-	49.4	47.0	49.8	49.0
Other manufacturing industries	162.3	159.7	155.3	163.0	160.2	129.4	126.8	122.6	130.3	127.5
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b>	1,869.8	1,862.3	1,779.5	1,912.6	1,894.8	1,280.8	1,269.3	1,188.2	1,321.6	1,297.4
Meat products	312.3	312.5	310.7	315.5	317.5	252.7	251.9	250.6	253.8	255.9
Meat packing	-	191.4	192.6	193.3	197.0	-	149.8	151.6	151.1	154.6
Sausages and other prepared meats	-	46.9	47.3	47.7	47.7	-	33.7	34.0	34.3	34.5
Poultry dressing and packing	-	74.2	70.8	74.5	72.8	-	68.4	65.0	68.4	66.8
Dairy products	300.0	305.9	307.9	305.9	314.0	148.6	153.3	154.9	152.9	158.7
Ice cream and frozen desserts	-	36.1	36.5	35.1	37.8	-	20.2	20.8	19.4	21.4
Fluid milk	-	214.4	215.2	215.9	219.9	-	89.7	90.1	91.9	94.2
Canned and preserved food, except meats	-	340.4	264.3	383.2	364.1	-	300.4	225.0	341.5	322.4
Canned, cured, and frozen sea foods	-	51.5	47.7	47.3	49.3	-	46.4	42.8	42.2	44.6
Canned food, except sea foods	-	192.3	139.2	235.4	222.3	-	168.3	116.5	210.7	197.0
Frozen food, except sea foods	-	59.0	46.8	64.3	56.6	-	54.7	42.4	58.7	51.1
Grain mill products	134.1	136.2	135.9	134.6	135.5	94.0	95.8	95.6	95.0	95.3
Flour and other grain mill products	-	33.8	33.4	34.1	34.1	-	22.9	22.5	22.9	23.0
Prepared feeds for animals and fowls	-	62.5	62.6	60.9	61.7	-	42.8	43.1	42.1	42.6
Bakery products	292.4	294.8	296.0	295.2	296.0	169.7	171.4	172.1	170.9	170.3
Bread, cake, and perishable products	-	250.6	251.2	248.1	249.7	-	134.8	134.9	131.8	132.1
Biscuit, crackers, and pretzels	-	44.2	44.8	47.1	46.3	-	36.6	37.2	39.1	38.2
Sugar	-	31.4	30.7	33.3	31.2	-	24.6	23.8	27.3	25.4
Confectionery and related products	79.6	75.9	69.9	79.6	73.9	64.5	60.5	55.0	64.4	58.8
Candy and other confectionery products	-	60.2	54.8	63.8	58.7	-	49.0	44.0	52.7	47.7
Beverages	220.8	223.6	223.9	220.8	219.6	114.8	117.7	118.8	118.4	115.2
Malt liquors	-	68.6	69.0	68.9	68.6	-	45.9	47.1	46.6	46.3
Bottled and canned soft drinks	-	117.9	118.3	111.2	114.3	-	45.9	46.4	41.9	43.4
Miscellaneous food and kindred products	144.1	141.6	140.2	144.5	143.0	96.7	93.7	92.4	97.4	95.4
<b>TOBACCO MANUFACTURES</b>	114.7	98.7	74.9	117.5	103.1	100.8	86.0	63.1	105.0	90.6
Cigarettes	-	38.3	38.2	38.2	38.3	-	31.8	31.5	32.0	32.0
Cigars	-	23.0	21.9	23.8	23.6	-	21.3	20.4	22.0	21.8
<b>TEXTILE MILL PRODUCTS</b>	894.6	896.8	884.0	908.1	909.6	801.8	803.8	791.6	817.3	819.4
Cotton broad woven fabrics	233.2	234.0	232.4	238.8	239.6	216.3	216.6	215.2	221.5	222.7
Silk and synthetic broad woven fabrics	83.9	84.2	82.5	82.4	82.4	75.6	75.9	74.3	74.7	74.6
Weaving and finishing broad woolens	47.4	49.0	49.5	52.0	52.7	41.6	43.0	43.6	46.1	46.7
Narrow fabrics and small wares	27.3	27.1	26.1	27.7	27.5	23.9	23.8	22.8	24.3	24.1
Knitting	219.9	219.4	216.4	224.2	226.2	197.5	197.6	194.8	202.6	204.8
Full-fashioned hosiery	-	19.0	18.4	21.2	21.1	-	16.8	16.3	18.9	19.0
Seamless hosiery	-	80.3	79.0	84.3	84.7	-	74.4	73.1	78.1	78.5
Knit outerwear	-	66.9	66.8	67.3	68.2	-	58.9	58.9	59.9	60.9
Knit underwear	-	30.4	30.0	29.4	29.6	-	27.4	27.0	26.4	26.6
Finishing textiles, except wool and knit	74.3	74.4	73.6	74.6	74.5	63.6	63.6	62.8	64.0	63.9
Floor covering	-	37.8	37.0	37.8	36.5	-	31.5	30.6	31.6	30.3
Yarn and thread	105.7	106.0	101.9	103.8	104.4	97.3	97.6	93.5	96.0	96.8
Miscellaneous textile goods	65.3	64.9	64.6	66.8	65.8	54.7	54.2	54.0	56.5	55.5

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

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Nondurable Goods--Continued</i>										
<b>APPAREL AND RELATED PRODUCTS</b>	1,329.4	1,330.4	1,280.0	1,297.1	1,298.9	1,181.6	1,182.7	1,132.9	1,153.9	1,156.3
Men's and boys' suits and coats	117.4	116.6	113.9	119.6	119.2	104.9	104.6	102.0	107.1	107.0
Men's and boys' furnishings	336.6	339.5	330.2	328.6	328.5	306.4	309.3	299.8	298.9	299.0
Men's and boys' shirts and nightwear	-	128.0	126.8	124.6	123.8	-	116.0	114.7	112.4	111.7
Men's and boys' separate trousers	-	65.7	62.9	63.4	63.4	-	62.2	59.4	59.6	59.8
Work clothing	-	74.9	73.4	72.4	72.9	-	67.6	66.1	65.3	65.7
Women's, misses', and juniors' outerwear	398.1	402.9	384.9	386.4	393.7	355.9	359.9	342.6	346.1	353.7
Women's blouses, waists, and shirts	-	50.5	48.2	45.7	46.1	-	46.0	43.7	41.4	42.0
Women's, misses', and juniors' dresses	-	194.7	181.4	190.6	193.4	-	173.9	161.2	171.3	174.3
Women's suits, skirts, and coats	-	93.1	90.3	89.2	92.7	-	83.3	80.8	80.0	83.1
Women's and misses' outerwear, n.e.c.	-	64.6	65.0	60.9	61.5	-	56.7	56.9	53.4	54.3
Women's and children's undergarments	123.8	121.7	113.4	119.1	117.9	109.6	107.7	99.9	105.3	104.4
Women's and children's underwear	-	79.1	73.7	78.7	77.7	-	72.5	67.3	71.9	71.0
Corsets and allied garments	-	42.6	39.7	40.4	42.2	-	35.2	32.6	33.4	33.4
Hats, caps, and millinery	-	34.8	32.6	33.0	33.6	-	30.8	28.6	29.3	29.8
Girls' and children's outerwear	79.2	81.1	81.2	78.7	80.1	70.6	72.5	72.4	70.6	72.0
Children's dresses, blouses, and shirts	-	37.6	38.6	35.8	36.2	-	33.7	34.6	32.2	32.6
Fur goods and miscellaneous apparel	-	75.3	72.7	77.8	76.7	-	65.5	62.8	67.5	66.4
Miscellaneous fabricated textile products	164.0	158.5	151.1	153.9	149.2	137.9	132.4	124.8	129.1	124.0
Housefurnishings	-	55.3	52.1	54.4	53.1	-	46.8	43.6	45.9	44.7
<b>PAPER AND ALLIED PRODUCTS</b>	629.0	628.6	620.6	623.4	622.9	495.6	494.7	487.1	493.7	492.3
Paper and pulp	217.7	219.5	217.2	218.9	221.4	174.9	176.7	174.5	176.7	178.5
Paperboard	67.9	68.4	67.9	66.4	65.4	54.2	54.5	54.1	53.4	52.3
Converted paper and paperboard products	151.2	150.4	147.6	146.6	146.3	113.4	112.2	109.6	109.9	109.6
Bags, except textile bags	-	36.2	34.2	34.1	33.7	-	29.7	27.6	27.7	27.2
Paperboard containers and boxes	192.2	190.3	187.9	191.5	189.8	153.1	151.3	148.9	153.7	151.9
Folding and setup paperboard boxes	-	68.6	66.5	70.0	69.6	-	56.4	54.4	57.9	57.4
Corrugated and solid fiber boxes	-	80.3	79.8	79.5	78.3	-	61.7	61.1	61.3	60.2
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	939.6	935.1	930.5	933.4	925.9	598.1	592.3	588.9	600.3	593.7
Newspaper publishing and printing	325.8	325.8	325.9	326.5	327.2	164.5	163.6	163.5	168.1	167.7
Periodical publishing and printing	-	69.5	68.3	70.4	67.9	-	26.9	26.4	28.7	27.5
Books	-	76.5	74.1	73.6	73.0	-	46.2	44.3	45.0	44.4
Commercial printing	300.1	296.8	296.2	297.2	293.6	235.9	232.2	231.9	234.9	231.6
Commercial printing, except lithographic	-	199.0	199.0	199.3	196.1	-	156.9	157.1	158.5	155.3
Commercial printing, lithographic	-	87.4	86.8	87.1	86.6	-	66.8	66.3	67.4	67.2
Bookbinding and related industries	51.4	51.5	51.5	50.4	50.7	41.5	41.7	41.6	40.8	41.0
Other publishing and printing industries	115.1	115.0	114.5	115.3	113.5	81.7	81.7	81.2	82.8	81.5
<b>CHEMICALS AND ALLIED PRODUCTS</b>	871.4	877.0	872.3	852.0	853.8	529.1	530.4	524.7	520.7	520.8
Industrial chemicals	286.4	290.1	288.4	283.0	285.4	166.0	167.4	165.5	164.5	166.2
Plastics and synthetics, except glass	171.3	172.9	172.6	164.7	163.8	115.7	116.0	115.1	112.5	111.5
Plastics and synthetics, except fibers	-	76.8	76.4	72.7	72.5	-	49.4	48.7	47.4	47.0
Synthetic fibers	-	83.3	83.0	78.9	79.0	-	58.4	57.8	56.4	56.5
Drugs	117.2	118.3	117.6	112.0	112.9	63.0	64.0	63.4	60.0	60.8
Pharmaceutical preparations	-	87.1	86.5	83.3	84.0	-	45.3	44.8	43.2	43.7
Soap, cleaners, and toilet goods	102.8	101.8	99.5	99.6	99.2	63.6	62.1	60.1	61.3	60.5
Soap and detergents	-	37.4	36.7	37.2	36.9	-	26.6	25.9	26.5	26.1
Toilet preparations	-	36.0	34.6	34.8	34.7	-	21.4	20.2	21.3	21.2
Paints, varnishes, and allied products	64.9	66.0	66.1	63.8	64.9	37.0	38.0	38.1	36.7	37.6
Agricultural chemicals	47.0	46.0	46.0	46.2	44.1	30.5	29.7	29.1	30.6	28.5
Fertilizers, complete and mixing only	-	33.9	33.4	34.7	32.2	-	23.0	22.3	24.5	22.1
Other chemical products	81.8	81.9	82.1	82.7	83.5	53.3	53.2	53.4	55.1	55.7
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b>	190.2	193.2	191.1	191.6	198.9	121.2	123.0	122.1	122.1	128.0
Petroleum refining	154.0	156.0	154.4	155.4	162.4	95.4	96.3	95.7	96.2	101.9
Other petroleum and coal products	36.2	37.2	36.7	36.2	36.5	25.8	26.7	26.4	25.9	26.1
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b>	406.9	405.6	400.5	415.1	409.5	312.3	310.6	306.7	322.5	316.9
Tires and inner tubes	92.6	92.4	96.0	100.4	99.4	65.6	65.5	68.9	73.1	72.1
Other rubber products	159.8	159.7	155.7	164.1	161.5	124.2	123.8	120.8	129.8	127.2
Miscellaneous plastic products	154.5	153.5	148.8	150.6	148.6	122.5	121.3	117.0	119.6	117.6
<b>LEATHER AND LEATHER PRODUCTS</b>	352.6	358.1	350.6	360.0	367.7	311.5	316.5	309.3	318.5	325.8
Leather tanning and finishing	31.3	31.6	30.7	32.0	32.0	27.4	27.7	26.8	28.1	28.1
Footwear, except rubber	234.1	239.0	236.2	239.0	245.7	208.8	213.5	210.5	213.5	220.0
Other leather products	87.2	87.5	83.7	89.0	90.0	75.3	75.3	72.0	76.9	77.7

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

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

	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	3,983	3,974	3,975	3,932	3,934	-	-	-	-	-
<b>RAILROAD TRANSPORTATION</b> . . . . .	-	790.5	789.8	780.6	806.9	-	-	-	-	-
Class I railroads . . . . .	-	696.9	695.0	684.7	710.9	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> . . . . .	-	257.7	258.4	270.8	256.8	-	-	-	-	-
Local and suburban transportation . . . . .	-	86.9	87.0	89.3	89.1	-	82.7	82.7	85.3	85.0
Taxicabs . . . . .	-	111.0	111.4	111.6	109.5	-	-	-	-	-
Intercity and rural bus lines . . . . .	-	43.7	43.7	42.4	42.7	-	40.7	40.6	39.4	39.8
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE</b> . . . . .	-	922.4	920.1	910.0	895.9	-	840.3	837.9	833.6	820.1
<b>AIR TRANSPORTATION</b> . . . . .	-	211.2	211.8	205.4	194.9	-	-	-	-	-
Air transportation, common carriers . . . . .	-	192.1	191.3	184.8	174.3	-	-	-	-	-
<b>PIPELINE TRANSPORTATION</b> . . . . .	-	20.4	20.5	21.3	21.7	-	17.5	17.6	18.3	18.6
<b>OTHER TRANSPORTATION</b> . . . . .	-	306.1	305.7	296.7	298.0	-	-	-	-	-
<b>COMMUNICATION</b> . . . . .	-	839.7	842.4	830.0	835.2	-	-	-	-	-
Telephone communication . . . . .	-	698.3	701.4	691.4	697.3	-	563.3	566.5	562.0	567.8
Telegraph communication . . . . .	-	33.6	34.0	36.9	37.3	-	24.0	24.1	26.8	27.2
Radio and television broadcasting . . . . .	-	103.5	102.7	97.4	96.3	-	85.3	84.4	81.1	80.6
<b>ELECTRIC, GAS, AND SANITARY SERVICES</b> . . . . .	-	626.3	625.9	616.9	624.2	-	548.3	547.8	542.9	550.3
Electric companies and systems . . . . .	-	251.5	251.5	248.6	251.0	-	214.9	214.9	213.7	216.1
Gas companies and systems . . . . .	-	158.4	158.3	156.3	158.3	-	140.0	140.0	138.6	140.6
Combined utility systems . . . . .	-	176.6	176.3	174.8	176.7	-	158.4	157.9	158.1	160.1
Water, steam, and sanitary systems . . . . .	-	39.8	39.8	37.2	38.2	-	35.0	35.0	32.5	33.5
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b> . . . . .	11,930	11,868	11,832	11,656	11,592	-	8,961	8,914	8,824	8,753
<b>WHOLESALE TRADE</b> . . . . .	3,198	3,198	3,168	3,107	3,111	-	2,740	2,714	2,671	2,675
Motor vehicles and automotive equipment . . . . .	-	237.2	237.5	231.8	231.8	-	201.3	201.8	196.0	195.9
Drugs, chemicals, and allied products . . . . .	-	192.5	190.7	188.5	188.8	-	160.0	158.2	157.6	158.2
Dry goods and apparel . . . . .	-	135.3	134.8	132.7	133.5	-	112.0	111.7	110.5	111.0
Groceries and related products . . . . .	-	512.9	508.5	495.5	496.0	-	452.6	448.8	437.9	438.3
Electrical goods . . . . .	-	231.8	231.0	220.1	221.2	-	200.0	199.3	192.6	194.1
Hardware, plumbing, and heating goods . . . . .	-	146.6	147.3	144.0	144.3	-	126.8	127.8	124.9	125.3
Machinery, equipment, and supplies . . . . .	-	549.7	547.2	520.9	519.4	-	467.7	466.4	443.7	442.7
<b>RETAIL TRADE<sup>2</sup></b> . . . . .	8,732	8,670	8,664	8,549	8,481	-	6,221	6,200	6,153	6,078
<b>GENERAL MERCHANDISE STORES</b> . . . . .	-	1,596.1	1,583.8	1,611.0	1,566.1	-	1,461.0	1,448.7	1,479.7	1,437.1
Department stores . . . . .	-	926.0	923.2	939.8	913.7	-	847.0	843.6	860.9	835.9
Limited price variety stores . . . . .	-	310.4	306.0	326.5	311.5	-	287.1	283.1	305.0	290.7
<b>FOOD STORES</b> . . . . .	-	1,401.0	1,403.8	1,365.1	1,361.1	-	1,306.0	1,308.5	1,271.7	1,269.2
Grocery, meat, and vegetable stores . . . . .	-	1,230.3	1,233.3	1,199.8	1,197.8	-	1,143.8	1,146.4	1,115.0	1,114.7
<b>APPAREL AND ACCESSORIES STORES</b> . . . . .	-	588.0	583.6	610.0	581.2	-	530.8	525.2	552.5	525.1
Men's and boys' apparel stores . . . . .	-	96.7	97.6	97.0	94.9	-	87.1	87.9	87.9	85.9
Women's ready-to-wear stores . . . . .	-	223.3	218.3	225.9	216.6	-	203.2	197.2	205.5	196.3
Family clothing stores . . . . .	-	86.0	87.5	94.1	89.2	-	79.5	81.0	86.8	82.5
Shoe stores . . . . .	-	119.3	118.5	122.7	116.0	-	105.2	104.1	109.1	102.5
<b>FURNITURE AND APPLIANCE STORES</b> . . . . .	-	391.4	390.3	388.6	385.3	-	348.1	347.3	345.9	342.8
<b>EATING AND DRINKING PLACES</b> . . . . .	-	1,798.2	1,809.9	1,766.6	1,779.8	-	-	-	-	-
<b>OTHER RETAIL TRADE</b> . . . . .	-	2,895.1	2,892.8	2,807.7	2,807.2	-	2,574.8	2,570.4	2,502.7	2,503.8
Motor vehicle dealers . . . . .	-	679.8	679.4	646.7	647.5	-	592.6	591.7	564.2	565.0
Other vehicle and accessory dealers . . . . .	-	168.6	168.3	154.8	155.6	-	144.3	143.8	131.4	132.4
Drug stores . . . . .	-	378.6	379.2	375.5	375.7	-	351.0	350.8	348.9	348.5

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

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

Industry	(In thousands)									
	All employees					Production workers <sup>1</sup>				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>FINANCE, INSURANCE, AND REAL ESTATE . . . . .</b>	2,888	2,920	2,916	2,821	2,849	-	-	-	-	-
Banking . . . . .	-	752.5	749.7	720.2	729.3	-	638.2	636.2	611.5	620.6
Credit agencies other than banks . . . . .	-	295.4	295.6	281.4	283.9	-	-	-	-	-
Savings and loan associations . . . . .	-	89.1	89.4	81.9	82.3	-	-	-	-	-
Personal credit institutions . . . . .	-	155.2	155.5	151.6	153.1	-	-	-	-	-
Security dealers and exchanges . . . . .	-	125.5	125.7	128.3	133.8	-	115.3	115.6	118.8	124.1
Insurance carriers . . . . .	-	878.1	874.2	855.6	860.7	-	787.6	783.8	771.2	776.9
Life insurance . . . . .	-	468.0	466.0	455.4	456.7	-	422.9	420.8	413.9	415.6
Accident and health insurance . . . . .	-	52.7	52.6	51.4	51.7	-	47.2	46.9	46.1	46.5
Fire, marine, and casualty insurance . . . . .	-	315.0	313.5	308.2	310.8	-	281.0	279.8	276.1	278.7
Insurance agents, brokers, and services . . . . .	-	222.4	221.3	213.1	215.9	-	-	-	-	-
Real estate . . . . .	-	569.0	571.3	544.3	547.1	-	-	-	-	-
Operative builders . . . . .	-	58.6	57.9	51.2	52.0	-	-	-	-	-
Other finance, insurance, and real estate . . . . .	-	76.7	77.8	77.6	78.2	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS . . . . .</b>	8,436	8,461	8,474	8,075	8,097	-	-	-	-	-
Hotel and lodging places . . . . .	-	769.1	766.3	617.8	701.8	-	-	-	-	-
Hotels, tourist courts, and motels . . . . .	-	662.9	662.0	560.8	595.6	-	625.8	624.4	530.0	563.8
Personal services:										
Laundries, cleaning and dyeing plants . . . . .	-	512.6	517.7	515.9	516.7	-	377.2	381.1	378.6	379.0
Miscellaneous business services:										
Advertising . . . . .	-	108.9	108.9	107.7	108.4	-	-	-	-	-
Motion pictures . . . . .	-	184.4	181.1	182.4	185.7	-	-	-	-	-
Motion picture filming and distributing . . . . .	-	38.3	36.4	39.5	38.9	-	23.9	23.6	24.3	24.3
Motion picture theaters and services . . . . .	-	146.1	144.7	142.9	146.8	-	-	-	-	-
Medical services:										
Hospitals . . . . .	-	1,312.6	1,312.6	1,256.2	1,255.6	-	-	-	-	-
<b>GOVERNMENT . . . . .</b>	9,572	9,149	9,170	9,247	8,866	-	-	-	-	-
<b>FEDERAL GOVERNMENT<sup>3</sup> . . . . .</b>	2,352	2,367	2,375	2,336	2,365	-	-	-	-	-
Executive . . . . .	-	2,337.0	2,344.5	2,306.4	2,335.5	-	-	-	-	-
Department of Defense . . . . .	-	951.3	953.9	962.6	972.9	-	-	-	-	-
Post Office Department . . . . .	-	588.7	588.7	587.1	589.2	-	-	-	-	-
Other agencies . . . . .	-	797.0	801.9	756.7	773.4	-	-	-	-	-
Legislative . . . . .	-	24.5	24.6	23.9	24.1	-	-	-	-	-
Judicial . . . . .	-	5.7	5.7	5.5	5.5	-	-	-	-	-
<b>STATE AND LOCAL GOVERNMENT . . . . .</b>	7,220	6,782	6,795	6,911	6,501	-	-	-	-	-
State government . . . . .	-	1,739.4	1,751.7	1,725.2	1,670.7	-	-	-	-	-
State education . . . . .	-	518.7	528.3	543.5	475.5	-	-	-	-	-
Other State government . . . . .	-	1,220.7	1,223.4	1,181.7	1,195.2	-	-	-	-	-
Local government . . . . .	-	5,042.3	5,043.3	5,186.1	4,830.3	-	-	-	-	-
Local education . . . . .	-	2,604.8	2,601.1	2,867.4	2,462.9	-	-	-	-	-
Other local government . . . . .	-	2,437.5	2,442.2	2,318.7	2,367.4	-	-	-	-	-

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

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

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

\*Not available.

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

Year and month	1957-59=100												
	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Service and miscellaneous	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.5	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	33.9	-	-
1920.....	52.0	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	32.9	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.0	-	-
1922.....	49.1	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.1	-	-
1923.....	54.0	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.0	-	-
1924.....	53.3	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.4	34.4	-	-
1925.....	54.7	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.4	-	-
1926.....	56.7	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.0	-	-
1927.....	57.0	144.7	55.7	60.3	95.6	54.1	-	-	54.0	46.0	36.9	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	37.9	-	-
1929.....	59.6	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	38.8	24.1	44.5
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	39.8	23.8	46.1
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.3	25.3	47.5
1932.....	44.9	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	40.8	25.2	46.9
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.1	25.5	45.7
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	41.7	29.4	46.5
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.0	34.0	48.0
1936.....	55.3	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.3	46.4	37.3	50.4
1937.....	59.0	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.5	37.6	51.0
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
1962: September	106.7	84.0	101.9	101.9	95.7	106.6	106.3	106.6	110.9	116.4	117.1	105.7	121.5
October..	106.9	83.6	101.8	101.9	95.8	106.5	106.2	106.6	111.3	116.7	117.8	105.8	122.5
November.	106.9	83.1	101.9	101.6	95.6	106.6	106.0	106.8	111.5	117.0	118.3	106.3	123.0
December.	106.9	82.2	100.9	101.5	95.6	106.5	106.1	106.6	111.5	117.2	118.8	106.1	123.7
1963: January..	107.1	81.9	102.8	101.6	93.7	107.0	106.5	107.2	112.0	117.7	119.1	106.3	124.1
February..	107.4	81.9	101.1	101.7	95.7	107.4	106.8	107.6	112.2	118.2	119.2	105.3	124.7
March....	107.9	81.9	101.4	102.1	95.5	108.0	107.3	108.3	112.6	119.1	119.6	105.7	125.1
April....	108.2	83.0	104.1	102.6	95.4	107.9	107.7	108.0	112.6	119.0	119.8	105.6	125.3
May.....	108.5	83.1	104.6	103.0	95.9	108.3	108.0	108.4	113.2	119.4	120.0	105.9	125.4
June.....	108.8	83.0	105.5	102.9	96.1	108.6	108.7	108.6	113.2	120.2	120.3	106.1	125.8
July.....	109.1	83.1	106.3	103.0	96.6	108.8	109.1	108.7	113.4	121.1	120.1	106.2	125.5
August...	109.0	82.5	106.5	102.5	96.6	108.9	109.0	108.9	113.6	121.5	120.3	106.1	125.9
September	109.2	82.2	106.0	102.7	96.9	109.1	109.4	108.9	113.6	121.5	121.2	106.5	126.9

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

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

(In thousands)

Industry division and group	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
<b>TOTAL</b> .....	57,427	57,325	57,340	57,194	57,060	56,873	56,706	56,458	56,333	56,211	56,205	56,195	56,125
<b>MINING</b> .....	633	635	640	639	640	639	631	631	631	633	640	644	647
<b>CONTRACT CONSTRUCTION</b> .....	3,059	3,076	3,069	3,046	3,019	3,005	2,928	2,920	2,967	2,913	2,942	2,939	2,941
<b>MANUFACTURING</b> .....	17,046	17,017	17,103	17,075	17,095	17,037	16,948	16,872	16,871	16,851	16,858	16,910	16,921
<b>DURABLE GOODS</b> .....	9,676	9,640	9,701	9,685	9,683	9,660	9,586	9,546	9,542	9,518	9,509	9,543	9,542
Ordnance and accessories .....	276	275	277	278	276	274	278	279	280	279	280	280	279
Lumber and wood products .....	587	580	564	559	592	588	597	590	593	586	588	585	585
Furniture and fixtures .....	393	393	392	390	388	387	388	386	389	386	386	384	385
Stone, clay, and glass products .....	613	616	615	612	612	607	597	590	595	591	596	599	597
Primary metal industries .....	1,162	1,175	1,208	1,202	1,184	1,174	1,145	1,133	1,124	1,126	1,121	1,125	1,133
Fabricated metal products .....	1,160	1,163	1,159	1,156	1,151	1,148	1,136	1,131	1,125	1,127	1,125	1,127	1,133
Machinery .....	1,527	1,527	1,512	1,508	1,506	1,504	1,501	1,499	1,503	1,501	1,513	1,512	1,504
Electrical equipment .....	1,583	1,573	1,587	1,593	1,597	1,595	1,589	1,589	1,593	1,595	1,586	1,590	1,590
Transportation equipment .....	1,602	1,564	1,618	1,623	1,614	1,623	1,597	1,595	1,586	1,574	1,561	1,587	1,583
Instruments and related products .....	375	376	375	375	370	370	368	366	365	364	362	362	361
Miscellaneous manufacturing .....	398	398	394	389	393	390	390	388	389	389	391	392	392
<b>NONDURABLE GOODS</b> .....	7,370	7,377	7,402	7,390	7,412	7,377	7,362	7,326	7,329	7,333	7,349	7,367	7,379
Food and kindred products .....	1,720	1,726	1,730	1,732	1,743	1,738	1,757	1,747	1,752	1,756	1,745	1,751	1,760
Tobacco manufactures .....	91	89	87	88	89	90	89	89	89	91	92	93	93
Textile-mill products .....	885	887	891	889	889	891	892	890	891	893	896	898	898
Apparel and related products .....	1,306	1,300	1,317	1,306	1,317	1,296	1,286	1,273	1,268	1,265	1,266	1,273	1,274
Paper and allied products .....	622	623	623	620	620	618	619	617	617	616	615	616	616
Printing and publishing .....	937	937	935	936	934	929	910	907	910	908	928	929	931
Chemicals and allied products .....	868	871	870	868	864	862	859	856	853	851	851	851	850
Petroleum and related products .....	189	189	188	187	188	188	188	188	187	189	190	190	190
Rubber and plastic products .....	400	405	408	414	417	416	411	408	411	408	409	408	408
Leather and leather products .....	352	350	353	350	351	349	351	351	351	356	357	358	359
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	3,951	3,939	3,936	3,919	3,909	3,890	3,894	3,899	3,821	3,898	3,896	3,904	3,901
<b>WHOLESALE AND RETAIL TRADE</b> .....	11,910	11,897	11,884	11,864	11,825	11,784	11,795	11,729	11,685	11,629	11,637	11,627	11,637
<b>WHOLESALE TRADE</b> .....	3,169	3,157	3,159	3,148	3,129	3,119	3,106	3,093	3,085	3,072	3,069	3,075	3,079
<b>RETAIL TRADE</b> .....	8,741	8,740	8,725	8,716	8,696	8,665	8,689	8,636	8,600	8,557	8,568	8,552	8,558
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	2,874	2,874	2,870	2,865	2,864	2,853	2,848	2,839	2,834	2,822	2,821	2,817	2,807
<b>SERVICE AND MISCELLANEOUS</b> .....	8,377	8,377	8,349	8,282	8,228	8,199	8,207	8,144	8,110	8,079	8,063	8,044	8,019
<b>GOVERNMENT</b> .....	9,577	9,510	9,489	9,504	9,480	9,466	9,455	9,424	9,414	9,386	9,348	9,310	9,252
<b>FEDERAL</b> .....	2,357	2,348	2,351	2,349	2,345	2,339	2,340	2,332	2,353	2,349	2,353	2,342	2,341
<b>STATE AND LOCAL</b> .....	7,220	7,162	7,138	7,155	7,135	7,127	7,115	7,092	7,061	7,037	6,995	6,968	6,911

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

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

(In thousands)

Major industry group	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
<b>MANUFACTURING</b> .....	12,584	12,570	12,650	12,628	12,647	12,604	12,521	12,455	12,453	12,443	12,452	12,509	12,524
<b>DURABLE GOODS</b> .....	7,065	7,046	7,103	7,086	7,081	7,070	6,994	6,956	6,950	6,935	6,932	6,967	6,969
Ordnance and accessories .....	119	119	119	120	119	118	119	120	121	121	122	122	122
Lumber and wood products .....	526	518	503	498	530	528	538	531	533	525	527	523	523
Furniture and fixtures .....	326	326	326	325	323	322	322	321	323	321	320	319	319
Stone, clay, and glass products .....	494	496	498	493	492	489	480	474	476	474	480	483	481
Primary metal industries .....	938	952	984	977	962	952	922	911	900	901	897	899	907
Fabricated metal products .....	889	893	891	888	883	881	868	864	860	862	859	863	867
Machinery .....	1,057	1,059	1,045	1,042	1,040	1,041	1,038	1,038	1,045	1,044	1,054	1,057	1,048
Electrical equipment .....	1,050	1,051	1,061	1,069	1,068	1,067	1,061	1,059	1,063	1,065	1,062	1,064	1,066
Transportation equipment .....	1,107	1,070	1,118	1,122	1,112	1,123	1,099	1,094	1,085	1,080	1,066	1,091	1,091
Instruments and related products .....	239	241	241	240	237	236	234	233	233	231	230	231	230
Miscellaneous manufacturing .....	320	321	317	312	315	313	313	311	311	311	315	315	315
<b>NONDURABLE GOODS</b> .....	5,519	5,524	5,547	5,542	5,566	5,534	5,527	5,499	5,503	5,508	5,520	5,542	5,555
Food and kindred products .....	1,140	1,146	1,148	1,151	1,158	1,152	1,172	1,163	1,167	1,170	1,162	1,169	1,176
Tobacco manufactures .....	78	77	75	75	77	78	77	77	77	79	80	81	81
Textile mill products .....	792	794	798	797	798	800	800	799	800	802	804	806	808
Apparel and related products .....	1,161	1,154	1,169	1,160	1,171	1,153	1,141	1,130	1,125	1,123	1,125	1,130	1,134
Paper and allied products .....	489	490	490	489	488	488	488	486	487	486	487	487	486
Printing and publishing .....	594	594	594	594	595	591	581	579	582	581	594	596	596
Chemicals and allied products .....	528	529	527	527	525	524	521	521	519	516	518	519	520
Petroleum and related products .....	120	120	120	119	120	120	119	119	118	121	121	121	121
Rubber and plastic products .....	306	311	315	321	324	323	318	315	318	315	316	316	316
Leather and leather products .....	311	309	311	309	310	307	310	310	310	315	316	317	317

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		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
Alabama	804.3	802.5	794.2	8.9	8.9	10.3	44.7	43.4	44.9
Alaska 1	69.6	69.3	68.1	1.3	1.2	1.6	6.9	6.3	6.7
Arizona	365.9	368.4	356.7	15.1	15.1	15.7	28.9	28.9	31.3
Arkansas	410.3	405.1	402.0	5.4	5.6	5.5	26.5	25.7	26.3
California	5,487.9	5,434.2	5,305.1	30.8	30.8	30.7	333.6	329.9	318.3
Colorado	567.2	560.9	558.3	12.6	12.9	11.7	39.3	38.3	39.8
Connecticut	971.9	968.6	955.0	(2)	(2)	(2)	50.5	50.2	48.5
Delaware	163.9	164.7	156.3	(3)	(3)	(3)	14.0	13.1	12.0
District of Columbia	592.0	591.3	574.7	(3)	(3)	(3)	26.4	25.7	25.7
Florida	1,367.9	1,365.9	1,339.7	8.7	8.7	8.6	117.4	116.1	120.1
Georgia	1,140.2	1,131.5	1,111.3	5.8	5.8	5.6	64.8	64.7	65.8
Hawaii	204.1	209.1	202.4	(3)	(3)	(3)	15.2	15.4	15.8
Idaho	173.1	170.8	170.9	3.3	3.3	3.3	11.8	11.4	12.7
Illinois	3,632.1	3,621.1	3,591.4	27.8	28.0	28.3	170.5	170.2	173.7
Indiana	1,510.6	1,505.4	1,462.7	10.4	10.6	10.2	73.6	72.6	67.1
Iowa	703.8	703.9	689.3	3.8	3.8	4.1	41.2	40.4	38.3
Kansas 1	577.8	580.2	577.6	15.4	15.3	15.7	42.3	40.7	42.2
Kentucky	698.8	693.5	675.0	28.6	28.8	29.3	56.5	56.7	50.4
Louisiana	811.3	811.8	802.1	44.8	44.8	45.0	62.3	62.6	57.8
Maine	291.4	290.1	293.9	(3)	(3)	(3)	16.0	15.8	16.1
Maryland	995.2	989.6	961.4	2.5	2.5	2.5	77.9	76.5	75.5
Massachusetts	1,964.6	1,951.3	1,977.2	(3)	(3)	(3)	89.3	87.7	90.2
Michigan	2,328.1	2,380.4	2,264.5	13.8	13.9	13.9	117.2	110.3	103.8
Minnesota	1,019.2	1,013.8	1,006.3	14.9	14.9	15.6	67.7	66.5	66.5
Mississippi	435.8	436.1	425.4	6.6	6.6	6.6	25.8	26.4	24.8
Missouri	1,381.6	1,378.9	1,360.7	7.8	7.7	6.4	74.3	72.7	76.2
Montana	178.0	178.4	177.9	7.4	7.5	6.9	14.7	14.2	15.0
Nebraska	395.9	396.1	397.7	2.4	2.4	2.8	27.7	27.4	27.5
Nevada 1	148.6	148.9	135.0	3.0	3.0	3.1	16.5	17.4	13.8
New Hampshire 1	220.7	219.7	220.5	.3	.3	.3	11.4	11.2	11.6
New Jersey	2,125.8	2,124.7	2,110.2	3.6	3.7	3.5	107.8	106.5	106.9
New Mexico	250.9	249.3	244.6	18.4	18.3	19.2	19.4	18.7	18.6
New York	(4)	6,320.2	6,322.8	(4)	9.3	9.3	(4)	292.3	300.1
North Carolina	1,283.0	1,260.8	1,264.3	2.8	2.9	3.4	74.9	74.6	73.7
North Dakota	133.7	133.8	131.7	1.6	1.7	1.8	14.9	13.9	13.9
Ohio	3,139.0	3,154.2	3,100.1	19.8	19.9	19.8	155.7	151.7	149.3
Oklahoma	608.5	606.9	606.7	42.2	42.9	44.2	36.0	35.1	37.3
Oregon	561.1	540.5	544.1	1.6	1.6	1.6	35.1	33.4	31.7
Pennsylvania	3,719.0	3,724.8	3,706.7	46.0	49.8	48.4	166.2	162.6	176.7
Rhode Island	297.9	294.3	299.7	(3)	(3)	(3)	14.1	14.0	14.0
South Carolina	617.5	614.7	607.3	1.6	1.6	1.6	37.0	37.1	36.1
South Dakota	154.0	155.0	154.4	2.8	2.7	2.6	13.5	13.3	16.2
Tennessee	996.2	987.1	976.4	6.7	6.3	7.3	55.3	54.9	56.1
Texas	2,711.0	2,711.7	2,646.4	120.1	121.0	122.7	198.3	197.6	181.1
Utah	(4)	298.9	294.6	(4)	12.1	13.3	(4)	20.8	21.1
Vermont	117.2	117.2	117.7	1.3	1.2	1.3	7.0	7.0	7.1
Virginia	1,118.0	1,109.8	1,093.4	16.0	15.9	15.7	89.7	89.6	84.1
Washington	863.5	850.0	887.4	2.1	2.1	2.0	49.4	47.4	50.0
West Virginia	450.2	447.2	447.2	46.1	46.1	46.9	20.4	20.0	18.2
Wisconsin	1,250.9	1,249.7	1,224.7	3.0	3.0	3.6	61.5	60.8	60.2
Wyoming 1	105.9	103.9	105.0	10.1	9.8	10.0	13.0	12.2	10.8

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT**

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

State	(In thousands)								
	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
Alabama.....	246.3	245.2	243.0	49.8	49.6	48.8	158.8	158.4	154.8
Alaska 1.....	9.7	10.7	9.5	7.2	6.9	7.7	9.3	9.3	9.2
Arizona.....	56.6	57.3	54.6	24.9	25.3	24.8	87.8	88.1	84.1
Arkansas.....	117.2	115.2	114.8	28.5	28.3	28.4	88.0	87.5	86.4
California.....	1,462.2	1,422.8	1,446.9	375.2	375.0	365.1	1,172.2	1,166.5	1,131.9
Colorado.....	95.2	90.0	94.7	44.7	45.0	44.7	132.4	132.3	131.0
Connecticut.....	421.1	416.9	418.5	44.0	43.6	44.6	170.9	171.5	167.4
Delaware.....	58.5	59.8	55.6	10.3	10.7	10.3	31.2	31.1	30.6
District of Columbia.....	20.7	20.7	20.4	31.1	31.2	30.5	86.6	86.4	85.5
Florida.....	217.3	216.8	214.3	99.3	98.9	95.9	360.7	359.9	355.0
Georgia.....	358.6	356.8	353.8	75.6	75.2	73.2	239.2	234.0	231.7
Hawaii.....	30.2	35.7	29.7	15.5	15.2	15.5	45.9	45.5	45.2
Idaho.....	33.0	31.8	32.5	14.7	14.6	14.7	42.1	41.6	41.5
Illinois.....	1,226.6	1,214.2	1,219.3	275.2	275.7	275.3	754.4	754.0	746.6
Indiana.....	615.9	610.7	596.3	90.6	90.8	89.5	298.9	297.4	291.9
Iowa.....	180.8	180.0	176.6	49.6	49.9	51.1	174.6	174.3	172.0
Kansas 1.....	112.3	115.6	118.4	53.2	53.4	53.4	134.8	135.2	133.2
Kentucky.....	179.2	174.8	172.0	51.5	51.5	51.3	147.5	147.3	140.9
Louisiana.....	146.2	146.6	143.0	77.2	77.8	78.9	179.2	178.2	181.7
Maine.....	108.4	107.2	111.2	17.7	17.7	17.9	55.0	55.0	55.0
Maryland.....	270.5	265.9	269.7	72.0	71.5	69.7	213.0	214.1	201.7
Massachusetts.....	663.0	651.5	688.8	102.2	101.9	103.2	394.0	394.8	393.7
Michigan.....	895.3	949.8	870.4	129.5	131.3	129.8	434.5	434.7	447.3
Minnesota.....	250.7	247.3	248.7	80.2	79.5	81.2	243.2	241.3	239.2
Mississippi.....	135.2	134.2	130.7	25.3	25.4	25.0	87.2	87.1	85.7
Missouri.....	398.2	395.5	389.2	116.5	117.6	115.9	313.1	312.8	311.9
Montana.....	21.9	22.4	23.0	18.7	18.7	18.9	41.2	40.9	41.4
Nebraska.....	66.7	67.0	69.7	36.3	36.3	37.5	97.1	97.3	97.8
Nevada 1.....	6.7	6.7	6.3	11.1	11.2	10.4	27.5	27.3	24.3
New Hampshire 1.....	86.6	85.7	89.6	9.7	9.7	9.6	39.8	39.7	38.4
New Jersey.....	798.5	794.4	817.9	152.6	153.2	152.1	409.0	411.1	395.7
New Mexico.....	17.5	17.7	18.0	19.6	19.6	19.4	53.7	53.5	51.6
New York.....	(4)	1,819.9	1,870.5	(4)	471.6	472.4	(4)	1,275.5	1,266.6
North Carolina.....	543.4	523.6	541.1	67.7	67.4	65.0	229.7	227.8	225.2
North Dakota.....	6.8	6.7	6.7	12.3	12.3	12.5	37.3	37.0	36.7
Ohio.....	1,213.1	1,229.6	1,201.2	198.7	198.4	199.9	609.7	609.9	610.7
Oklahoma.....	91.0	90.3	92.0	47.4	47.5	47.8	140.4	139.9	141.5
Oregon.....	155.8	139.6	155.9	45.1	44.8	44.1	121.7	120.5	118.7
Pennsylvania.....	1,407.7	1,406.9	1,398.3	263.6	264.3	263.6	679.3	680.3	681.2
Rhode Island.....	117.6	114.9	119.7	15.0	15.0	14.9	54.2	54.0	53.9
South Carolina.....	268.7	266.5	263.6	26.8	26.7	25.8	105.5	104.8	105.2
South Dakota.....	15.3	15.7	13.6	10.1	10.1	10.4	40.2	40.2	40.9
Tennessee.....	339.7	337.4	333.5	56.8	56.0	55.5	200.7	198.3	197.5
Texas.....	512.7	513.8	507.0	226.0	226.7	224.8	674.9	672.3	661.4
Utah.....	(4)	56.6	56.0	(4)	22.4	22.7	(4)	66.5	65.4
Vermont.....	35.4	35.1	36.9	7.1	7.1	7.1	22.0	21.8	21.8
Virginia.....	296.2	290.9	297.3	85.2	84.1	83.2	230.4	229.2	225.4
Washington.....	227.3	218.0	244.7	62.4	62.4	63.8	190.1	188.8	194.8
West Virginia.....	125.6	123.6	124.3	41.8	41.5	42.0	81.1	80.5	80.4
Wisconsin.....	472.2	471.8	464.7	73.0	73.0	72.9	252.2	250.6	246.9
Wyoming 1.....	6.8	6.8	7.5	10.9	10.8	11.7	21.7	21.3	23.5

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

# ESTABLISHMENT DATA STATE EMPLOYMENT

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

(In thousands)

State	Finance, insurance, and real estate			Service and miscellaneous			Government		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
Alabama	33.8	34.0	33.7	101.1	101.2	97.2	160.9	161.8	161.5
Alaska <sup>1</sup>	1.8	1.7	1.8	6.5	6.4	6.2	26.9	26.8	25.4
Arizona	19.4	19.3	18.5	57.1	57.4	54.6	76.1	77.0	73.1
Arkansas	16.0	15.6	15.4	52.1	51.6	51.4	76.6	75.6	73.8
California	286.3	285.0	275.1	844.2	841.4	796.0	983.4	982.8	941.1
Colorado	27.9	27.8	28.3	91.9	91.7	89.8	123.2	122.9	118.3
Connecticut	57.9	56.8	56.4	127.8	128.0	123.0	99.7	101.7	96.6
Delaware	6.5	6.5	6.6	22.3	22.7	21.6	21.1	20.8	19.6
District of Columbia <sup>5</sup>	30.5	30.5	29.5	99.4	99.1	98.6	297.3	297.7	284.5
Florida	90.7	90.7	88.4	234.2	234.8	226.5	239.6	240.0	230.9
Georgia	55.0	54.7	53.1	133.9	133.5	127.5	207.3	206.8	200.6
Hawaii	11.1	11.1	10.9	34.1	34.1	33.6	52.1	52.1	51.7
Idaho	6.6	6.6	6.5	22.1	22.0	21.9	39.5	39.5	37.8
Illinois	200.9	200.7	197.3	538.6	540.9	521.0	438.2	437.5	429.9
Indiana	63.5	63.4	62.1	156.7	156.4	151.2	201.0	203.5	194.4
Iowa	34.4	34.4	33.7	101.1	101.0	97.5	118.3	120.1	115.9
Kansas <sup>1</sup>	25.3	25.2	24.8	78.8	78.5	75.6	115.7	116.3	114.3
Kentucky	27.4	27.3	27.0	91.0	90.7	88.5	117.2	116.3	115.6
Louisiana	37.5	37.5	36.7	113.7	112.9	109.6	150.4	151.4	149.4
Maine	9.9	9.9	9.7	34.9	34.8	35.0	49.5	49.7	49.0
Maryland <sup>5</sup>	50.2	50.1	48.1	151.6	151.1	142.8	157.5	157.9	151.4
Massachusetts	106.3	106.1	106.1	338.5	338.5	331.8	271.3	270.8	263.4
Michigan	91.8	91.3	87.5	298.9	301.6	284.6	347.1	347.4	327.1
Minnesota	51.2	51.4	51.9	151.3	150.9	146.7	159.9	162.0	156.5
Mississippi	15.4	15.4	15.3	49.9	50.0	49.2	90.4	91.0	88.1
Missouri	75.6	75.4	73.5	192.5	193.5	191.4	203.6	203.7	196.2
Montana	7.0	7.1	6.8	25.3	25.6	25.2	41.8	42.0	40.7
Nebraska	24.2	24.2	24.2	59.6	59.6	58.8	82.0	81.9	79.4
Nevada <sup>1</sup>	5.8	5.7	4.9	54.2	54.1	50.1	23.8	23.5	22.1
New Hampshire <sup>1</sup>	7.8	7.9	7.6	41.7	41.8	40.5	23.4	23.3	23.0
New Jersey	96.9	96.5	95.6	302.4	303.4	289.6	255.0	255.9	248.9
New Mexico	11.0	10.8	10.4	43.8	43.3	42.2	67.5	67.4	65.2
New York	(4)	514.9	514.0	(4)	1,056.3	1,033.4	(4)	880.2	856.6
North Carolina	49.5	49.5	47.8	140.4	140.2	137.9	174.6	174.8	170.2
North Dakota	6.3	6.3	6.1	22.1	22.2	21.9	32.3	33.8	32.1
Ohio	129.3	129.0	127.7	394.6	396.2	380.6	418.1	419.6	411.1
Oklahoma	29.1	29.1	29.3	82.7	82.5	80.0	139.7	139.6	134.6
Oregon	24.2	24.4	22.9	74.6	74.7	71.3	103.0	101.5	97.9
Pennsylvania	159.5	160.3	157.7	543.3	546.0	529.1	453.4	454.6	451.7
Rhode Island	13.7	13.6	13.3	42.7	42.1	43.1	40.6	40.7	40.8
South Carolina	24.3	24.4	23.5	60.0	60.0	59.5	93.6	93.6	92.0
South Dakota	6.6	6.7	6.7	24.7	24.9	24.1	40.9	41.4	40.0
Tennessee	44.4	44.2	43.3	135.3	134.5	131.5	157.3	155.5	151.7
Texas	145.1	144.4	138.8	375.8	374.8	365.8	458.1	461.1	444.8
Utah	(4)	12.7	12.6	(4)	39.1	37.0	(4)	68.7	66.5
Vermont	4.3	4.4	4.2	23.2	23.4	22.7	17.1	17.3	16.8
Virginia <sup>5</sup>	50.8	50.7	49.4	146.9	146.7	139.4	202.8	202.7	198.9
Washington	43.3	43.2	43.1	117.1	115.5	120.7	171.8	172.6	168.3
West Virginia	13.6	13.5	13.6	53.5	53.8	53.4	68.1	68.2	68.4
Wisconsin	48.8	48.9	48.6	158.7	159.0	154.8	181.4	182.7	173.0
Wyoming <sup>1</sup>	3.2	3.2	3.4	15.1	14.9	14.4	25.1	24.9	23.7

<sup>1</sup> Revised series; not strictly comparable with previously published data.

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

<sup>3</sup> Combined with service.

<sup>4</sup> Not available.

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

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA  
AREA EMPLOYMENT**

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

(In thousands)

Industry division	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	ALABAMA						ARIZONA					
	Birmingham			Mobile			Phoenix			Tucson		
<b>TOTAL</b> .....	199.6	199.8	196.8	93.3	92.7	91.0	204.0	204.9	195.8	78.4	79.9	78.9
Mining.....	3.9	4.0	5.2	(1)	(1)	(1)	.2	.2	.4	3.0	3.2	3.4
Contract construction..	11.5	11.2	11.7	5.6	5.5	4.8	15.4	15.3	14.6	8.6	8.7	11.2
Manufacturing.....	61.5	61.2	58.3	17.8	17.4	16.0	40.0	40.3	37.9	9.7	10.1	9.8
Trans. and pub. util...	15.9	16.0	15.6	9.6	9.4	9.5	13.9	13.9	13.6	5.4	5.5	5.2
Trade.....	47.2	47.1	47.3	19.9	19.9	19.6	52.6	52.8	50.8	17.9	18.0	17.2
Finance.....	14.1	14.2	14.0	4.1	4.1	4.0	14.0	14.0	13.6	3.5	3.5	3.1
Service.....	24.7	25.2	24.5	11.5	11.5	11.3	32.4	32.6	30.6	13.8	13.9	13.7
Government.....	20.8	20.9	20.2	24.8	24.9	25.8	35.5	35.8	34.3	16.5	17.0	15.3
	<b>ARKANSAS</b>											
	Fayetteville			Fort Smith			Little Rock - N. Little Rock			Pine Bluff		
<b>TOTAL</b> .....	15.5	15.1	15.1	28.7	28.4	27.7	89.2	88.1	86.1	18.9	18.8	18.5
Mining.....	(1)	(1)	(1)	.3	.3	.2	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	1.3	1.2	.9	1.9	1.9	1.4	7.3	7.2	6.8	1.2	1.2	1.4
Manufacturing.....	4.6	4.3	4.7	10.7	10.4	10.4	17.4	16.7	15.9	5.4	5.4	5.3
Trans. and pub. util...	1.3	1.3	1.2	1.9	1.9	1.9	7.9	7.8	7.8	2.5	2.5	2.5
Trade.....	3.4	3.3	3.3	6.7	6.7	6.5	19.4	19.3	19.3	3.7	3.6	3.5
Finance.....	.4	.4	.4	.9	.8	.8	6.9	6.9	6.5	.7	.7	.7
Service.....	1.7	1.7	1.7	3.5	3.4	3.5	13.2	13.2	13.1	1.7	1.7	1.7
Government.....	2.8	2.8	2.9	2.9	2.9	3.0	17.2	17.1	16.6	3.7	3.8	3.5
	<b>CALIFORNIA</b>											
	Bakersfield			Fresno			Los Angeles - Long Beach			Sacramento		
<b>TOTAL</b> .....	74.8	75.4	73.5	97.5	94.9	94.6	2,619.5	2,614.6	2,534.5	185.3	181.4	179.5
Mining.....	7.1	7.1	7.0	1.2	1.1	1.1	12.2	12.2	12.0	.2	.2	.2
Contract construction..	3.8	4.0	3.9	5.7	5.7	5.3	145.3	144.6	140.1	12.9	12.3	12.0
Manufacturing.....	7.6	7.4	7.1	17.6	15.3	16.6	854.3	854.3	846.0	34.6	32.2	33.3
Trans. and pub. util...	5.9	5.9	6.0	8.0	7.9	8.0	152.1	151.7	145.2	13.3	13.0	13.0
Trade.....	17.3	17.3	17.0	27.9	27.8	27.6	565.1	562.8	541.9	35.2	34.9	34.2
Finance.....	2.6	2.6	2.6	4.1	4.0	4.1	142.8	142.3	136.5	8.0	7.9	7.6
Service.....	10.4	11.0	9.8	14.5	14.4	14.3	415.0	413.6	395.3	19.9	19.7	18.7
Government.....	20.1	20.1	20.1	18.5	18.7	17.6	332.7	333.1	317.5	61.2	61.2	60.5
	<b>CALIFORNIA - Continued</b>											
	San Bernardino - Riverside - Ontario			San Diego			San Francisco - Oakland			San Jose		
<b>TOTAL</b> .....	208.9	209.4	201.3	265.1	263.8	263.0	1,075.8	1,066.5	1,048.6	259.3	251.1	242.7
Mining.....	1.6	1.6	1.3	.5	.5	.6	1.8	1.8	1.8	.1	.1	.1
Contract construction..	16.5	16.7	15.9	17.5	17.4	17.4	68.3	67.2	63.1	19.5	19.1	18.3
Manufacturing.....	36.9	36.8	37.0	56.6	57.1	60.9	208.6	202.2	208.8	96.1	89.4	94.7
Trans. and pub. util...	15.7	15.7	15.3	14.5	14.3	14.2	108.1	108.2	106.2	10.7	10.5	10.2
Trade.....	45.7	45.9	43.0	56.2	55.4	54.3	235.2	234.3	226.9	42.5	42.1	39.2
Finance.....	8.0	8.0	7.6	11.7	11.7	11.3	80.2	79.8	77.6	9.4	9.3	8.6
Service.....	30.7	31.1	28.9	45.7	44.8	43.7	157.1	156.7	151.7	44.8	44.8	39.2
Government.....	53.8	53.6	52.3	62.4	62.6	60.6	216.5	216.3	212.5	36.2	35.8	32.4
	<b>CALIFORNIA - Continued</b>			<b>COLORADO</b>			<b>CONNECTICUT</b>					
	Stockton			Denver			Bridgeport			Hartford		
<b>TOTAL</b> .....	70.6	65.3	69.5	373.7	368.2	368.9	129.1	129.3	125.3	256.2	256.7	251.1
Mining.....	.2	.2	.1	3.5	3.4	3.9	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	4.0	3.8	3.8	28.9	28.2	29.4	5.7	5.7	5.8	13.3	13.0	12.9
Manufacturing.....	17.0	12.9	17.4	70.9	66.2	71.1	69.1	69.3	65.9	91.7	92.7	92.1
Trans. and pub. util...	5.8	5.5	5.9	31.0	31.2	31.0	5.6	5.6	5.8	9.5	9.4	9.1
Trade.....	16.7	16.3	16.1	89.6	89.4	88.3	21.6	21.8	21.2	48.4	48.8	46.2
Finance.....	2.2	2.2	2.1	21.3	21.4	21.6	3.7	3.7	3.7	34.0	33.6	33.2
Service.....	8.9	8.7	8.5	62.8	62.8	59.7	13.4	13.4	13.0	33.0	33.1	31.5
Government.....	15.8	15.7	15.6	65.7	65.6	63.9	9.9	9.9	10.0	26.3	26.2	26.0

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

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

(In thousands)

Industry division	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	<b>CONNECTICUT - Continued</b>											
	New Britain			New Haven			Stamford			Waterbury		
<b>TOTAL</b> .....	39.8	40.2	39.9	128.4	129.0	129.4	64.3	64.6	64.1	68.3	68.2	68.3
Mining.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Contract construction..	1.6	1.6	1.5	8.3	8.2	8.4	4.0	4.0	4.2	2.3	2.2	2.2
Manufacturing.....	22.8	23.1	23.2	42.2	42.3	44.0	24.2	24.4	24.6	37.7	37.9	38.6
Trans. and pub. util...	1.9	1.8	1.8	12.6	12.4	12.6	2.7	2.7	2.7	2.9	2.9	2.9
Trade.....	5.8	5.9	5.6	24.4	24.7	24.3	13.0	13.1	12.8	9.7	9.7	9.6
Finance.....	.9	.9	.9	7.1	7.1	6.8	2.7	2.7	2.6	1.7	1.7	1.7
Service.....	3.9	4.0	3.9	22.1	22.2	22.0	12.1	12.1	11.9	7.9	7.9	7.8
Government.....	3.0	3.0	3.0	11.7	12.2	11.4	5.6	5.6	5.3	6.1	6.0	5.7
	<b>DELAWARE</b>			<b>DISTRICT OF COLUMBIA</b>			<b>FLORIDA</b>					
	Wilmington			Washington			Jacksonville			Miami		
<b>TOTAL</b> .....	139.6	140.8	133.7	836.4	836.1	808.3	150.3	150.2	149.0	312.4	313.0	304.2
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	10.7	10.1	9.6	67.5	66.9	62.5	10.9	11.0	11.2	19.3	19.6	20.5
Manufacturing.....	56.4	57.8	53.7	38.6	38.4	38.0	21.1	21.0	21.7	44.1	43.6	44.7
Trans. and pub. util...	8.3	8.5	8.4	48.0	48.1	46.5	15.5	15.5	15.6	34.0	33.8	27.7
Trade.....	25.1	25.1	24.5	157.3	157.9	154.6	43.1	42.9	42.3	88.1	88.1	87.4
Finance.....	5.5	5.5	5.5	46.3	46.4	44.7	14.2	14.2	14.0	23.9	23.2	23.0
Service.....	18.6	19.0	18.1	151.1	150.4	148.4	21.1	21.0	20.7	64.2	66.0	64.8
Government.....	15.0	14.8	13.8	327.6	328.0	313.6	24.4	24.6	23.5	38.8	38.7	36.1
	<b>FLORIDA - Continued</b>			<b>GEORGIA</b>			<b>HAWAII</b>					
	Tampa - St. Petersburg			Atlanta			Savannah			Honolulu		
<b>TOTAL</b> .....	203.3	204.1	201.4	413.6	414.6	398.1	54.4	54.4	54.0	173.0	177.6	170.8
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	19.6	19.8	19.0	27.3	26.2	25.6	4.3	4.5	3.7	13.3	13.5	13.7
Manufacturing.....	36.6	36.8	36.3	91.2	95.1	90.0	14.5	14.2	15.0	21.8	26.9	21.2
Trans. and pub. util...	12.4	12.6	14.3	39.2	39.1	36.5	5.8	5.9	6.4	13.1	12.9	13.2
Trade.....	60.4	60.4	58.0	106.2	104.9	103.3	11.4	11.4	11.5	39.6	39.3	38.7
Finance.....	13.0	13.0	12.7	30.8	30.8	29.9	3.1	3.1	2.9	10.4	10.3	10.2
Service.....	33.2	33.2	32.4	59.4	59.1	56.7	7.2	7.3	7.1	29.8	29.7	29.2
Government.....	28.1	28.3	28.7	59.5	59.4	56.1	8.1	8.0	7.4	45.0	45.0	44.6
	<b>IDAHO</b>			<b>ILLINOIS</b>			<b>INDIANA</b>					
	Boise <sup>3</sup>			Chicago			Evansville			Fort Wayne		
<b>TOTAL</b> .....	30.0	29.9	29.6	2,535.4	2,533.4	2,518.4	66.0	66.4	65.1	90.4	90.2	90.8
Mining.....	(1)	(1)	(1)	6.6	6.4	7.0	1.6	1.6	1.7	(1)	(1)	(1)
Contract construction..	2.2	2.2	2.3	119.5	117.8	117.9	3.0	3.0	2.7	4.6	4.5	4.7
Manufacturing.....	2.8	2.7	3.0	867.3	863.6	868.3	25.4	25.9	24.6	36.8	36.9	38.0
Trans. and pub. util...	2.9	2.9	2.9	196.4	197.1	195.6	4.3	4.3	4.4	7.1	7.1	7.1
Trade.....	8.6	8.6	8.5	527.9	529.1	529.8	14.6	14.6	14.4	19.6	19.5	19.1
Finance.....	2.1	2.1	2.0	159.0	159.1	157.2	2.4	2.4	2.5	4.9	4.9	4.8
Service.....	4.3	4.3	4.3	403.4	406.2	392.2	9.1	8.8	9.1	10.2	10.1	10.1
Government.....	7.1	7.1	6.6	255.3	254.1	250.5	5.6	5.8	5.7	7.2	7.2	7.0
	<b>INDIANA - Continued</b>			<b>IOWA</b>			<b>KANSAS</b>					
	Indianapolis			South Bend			Des Moines			Topeka <sup>3</sup>		
<b>TOTAL</b> .....	306.3	307.4	302.7	82.4	77.9	77.1	106.3	105.8	104.3	49.6	49.6	49.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	.1	.1	.1
Contract construction..	15.3	15.2	15.2	3.3	3.2	3.3	4.6	4.4	4.6	3.3	3.3	3.3
Manufacturing.....	103.5	104.4	101.4	37.0	32.6	32.4	22.2	22.4	22.0	6.7	6.8	6.9
Trans. and pub. util...	22.0	21.9	21.7	3.8	3.8	3.8	8.4	8.4	8.6	7.0	7.0	7.0
Trade.....	67.4	67.3	67.1	16.0	16.0	16.0	28.1	27.6	27.1	10.1	10.0	10.2
Finance.....	21.1	21.1	21.0	4.4	4.4	4.2	12.0	12.1	11.9	2.9	2.9	2.8
Service.....	33.6	33.6	33.0	11.6	11.5	11.2	16.0	15.9	15.3	7.6	7.6	7.4
Government.....	43.4	43.9	43.3	6.3	6.4	6.2	15.2	15.1	14.9	12.0	12.0	12.1

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	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	KANSAS - Continued			KENTUCKY			LOUISIANA					
	Wichita <sup>3</sup>			Louisville			Baton Rouge			New Orleans		
<b>TOTAL</b> .....	117.3	116.8	119.4	252.0	252.4	247.6	69.2	69.2	68.9	292.7	292.3	286.4
Mining.....	1.5	1.5	1.5	(1)	(1)	(1)	.3	.3	.4	9.2	9.3	9.1
Contract construction..	5.9	5.9	6.0	15.7	15.6	15.7	6.5	6.5	7.0	18.1	17.8	18.9
Manufacturing.....	40.3	40.1	42.5	87.1	86.5	84.4	15.2	15.7	16.3	49.4	49.3	45.4
Trans. and pub. util...	6.6	6.6	6.7	20.2	20.4	19.9	4.4	4.4	4.5	40.6	40.8	40.1
Trade.....	26.7	26.6	26.6	54.6	54.8	54.2	14.9	14.9	14.7	71.3	70.6	70.6
Finance.....	5.8	5.8	5.9	13.0	13.2	12.7	3.7	3.7	3.7	18.1	18.3	18.0
Service.....	17.1	17.1	16.5	35.1	35.6	34.5	9.0	8.8	8.7	47.9	47.8	47.3
Government.....	13.5	13.4	13.8	26.2	26.3	26.2	15.1	15.0	13.7	38.1	38.4	37.1
	LOUISIANA - Continued			MAINE			MARYLAND					
	Shreveport			Lewiston - Auburn			Portland			Baltimore		
<b>TOTAL</b> .....	75.4	75.6	74.3	25.4	25.6	26.8	54.4	53.6	54.1	638.5	639.8	623.3
Mining.....	5.3	5.4	5.7	(1)	(1)	(1)	(1)	(1)	(1)	.9	.9	.9
Contract construction..	6.5	6.5	5.8	1.3	1.3	1.3	3.0	3.0	2.9	43.6	42.5	43.1
Manufacturing.....	9.6	9.5	9.3	12.5	12.6	13.8	13.5	13.2	14.0	191.1	193.3	190.3
Trans. and pub. util...	8.6	8.6	8.6	.9	.9	.9	5.5	5.4	5.4	52.9	52.6	51.8
Trade.....	20.0	20.1	19.7	5.0	5.0	5.0	14.4	14.3	14.4	133.0	133.5	127.3
Finance.....	3.9	3.9	3.9	.8	.9	.8	4.0	4.0	3.9	34.8	34.6	33.7
Service.....	10.2	10.3	10.3	3.3	3.3	3.4	8.9	8.9	8.9	91.6	91.5	88.1
Government.....	11.3	11.4	11.0	1.6	1.6	1.6	5.1	4.8	4.6	90.6	90.9	88.1
	MASSACHUSETTS											
	Boston			Fall River			New Bedford			Springfield - Chicopee - Holyoke		
<b>TOTAL</b> .....	1,104.4	1,098.5	1,095.8	42.7	42.1	43.7	51.3	50.6	51.6	171.8	170.8	175.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	55.1	53.7	54.0	(1)	(1)	(1)	1.7	1.8	1.7	6.5	6.5	6.4
Manufacturing.....	287.8	283.6	294.5	23.4	22.7	24.3	26.7	25.8	27.3	66.8	65.5	70.2
Trans. and pub. util...	65.6	65.5	65.5	1.6	1.6	1.5	2.3	2.3	2.3	8.0	8.1	8.5
Trade.....	239.4	239.9	237.4	7.5	7.6	7.7	9.0	9.0	8.7	34.2	34.4	33.5
Finance.....	76.5	76.1	76.4	(1)	(1)	(1)	(1)	(1)	(1)	8.7	8.7	8.8
Service.....	228.3	229.2	221.7	6.9	6.9	6.9	7.4	7.5	7.3	26.5	26.4	27.0
Government.....	151.7	150.5	146.3	3.3	3.3	3.3	4.2	4.2	4.3	21.1	21.2	21.2
	MASSACHUSETTS - Continued			MICHIGAN								
	Worcester			Detroit			Flint			Grand Rapids		
<b>TOTAL</b> .....	113.7	113.3	118.0	1,164.6	1,199.2	1,124.9	112.3	124.1	106.8	120.9	120.6	119.1
Mining.....	(1)	(1)	(1)	.7	.7	.7	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	5.1	5.0	5.1	52.0	48.8	48.7	5.1	4.6	4.9	7.1	7.1	7.2
Manufacturing.....	47.1	46.4	51.4	452.3	485.1	431.8	60.1	71.9	55.4	50.8	50.6	49.0
Trans. and pub. util...	4.4	4.3	4.3	66.6	68.1	67.3	3.9	4.3	4.0	8.4	8.3	8.6
Trade.....	20.1	20.6	21.2	227.9	228.0	230.3	18.0	18.0	17.9	25.4	25.4	25.2
Finance.....	5.5	5.5	5.4	56.9	56.5	54.2	2.8	2.8	2.7	5.1	5.2	5.0
Service.....	17.2	17.2	16.7	169.0	172.3	156.9	11.1	11.4	10.8	14.6	14.5	14.8
Government.....	14.3	14.3	13.9	139.3	139.8	135.0	11.3	11.1	11.1	9.4	9.5	9.3
	MICHIGAN - Continued			MINNESOTA								
	Lansing			Muskegon - Muskegon Heights			Saginaw			Duluth - Superior		
<b>TOTAL</b> .....	85.2	92.6	84.4	46.5	46.3	46.7	54.1	56.3	54.7	51.4	50.9	50.4
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.7	4.6	4.7	1.4	1.4	1.4	3.0	2.9	3.1	2.5	2.4	2.8
Manufacturing.....	23.1	30.0	23.4	25.0	24.7	25.5	22.7	25.0	24.2	9.3	9.4	8.4
Trans. and pub. util...	3.1	3.1	3.2	2.5	2.5	2.6	4.5	4.5	4.5	9.0	8.8	9.1
Trade.....	16.5	16.7	16.0	7.5	7.5	7.3	11.4	11.3	10.9	11.7	11.3	11.6
Finance.....	3.4	3.4	3.3	1.1	1.1	1.1	1.5	1.5	1.4	2.1	2.1	2.1
Service.....	9.8	9.8	9.5	4.6	4.5	4.6	6.2	6.2	6.1	9.3	9.3	9.4
Government.....	24.6	24.9	24.4	4.5	4.6	4.2	4.8	4.8	4.6	7.4	7.5	7.2

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	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	MINNESOTA - Continued			MISSISSIPPI			MISSOURI					
	Minneapolis - St. Paul			Jackson			Kansas City			St. Louis		
<b>TOTAL</b> .....	600.6	598.3	593.9	69.7	69.7	68.9	394.5	400.4	395.3	735.0	737.9	725.4
Mining.....	(1)	(1)	(1)	1.0	1.0	1.1	.6	.6	.7	2.8	2.7	2.6
Contract construction..	38.5	37.3	38.3	5.0	4.8	4.3	23.8	23.5	21.9	31.4	32.4	40.4
Manufacturing.....	159.3	159.3	160.2	11.2	11.3	12.2	103.3	108.2	107.7	260.6	261.0	250.5
Trans. and pub. util...	50.0	49.7	50.4	4.7	4.7	4.6	41.3	42.2	41.7	63.0	62.8	63.3
Trade.....	147.3	145.6	144.4	16.4	16.4	16.1	100.1	100.2	99.2	152.9	152.6	150.7
Finance.....	38.4	38.6	39.0	5.3	5.3	5.3	27.3	27.2	27.1	39.4	39.4	39.1
Service.....	93.4	93.2	90.2	10.7	10.7	10.6	53.0	53.3	53.1	104.0	104.9	100.2
Government.....	73.7	74.6	71.4	15.4	15.5	14.6	45.1	45.2	43.9	80.9	82.1	78.6
	MONTANA			NEBRASKA			NEVADA					
	Billings			Great Falls			Omaha			Reno <sup>3</sup>		
<b>TOTAL</b> .....	23.5	23.5	23.3	23.5	23.9	25.0	166.2	166.4	168.0	42.6	42.1	38.9
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(4)	(4)	(4)
Contract construction..	1.8	1.7	1.7	2.6	2.5	3.2	11.5	11.2	12.5	4.8	4.7	4.3
Manufacturing.....	2.5	2.5	2.5	3.4	3.7	4.7	35.1	35.4	36.1	2.5	2.5	2.3
Trans. and pub. util...	2.6	2.6	2.7	2.2	2.2	2.3	20.1	20.1	20.5	3.8	3.8	3.6
Trade.....	7.2	7.3	7.4	6.1	6.1	5.7	39.3	39.6	39.3	8.8	8.8	8.0
Finance.....	1.3	1.3	1.3	1.2	1.2	1.2	13.7	13.6	13.8	2.0	2.0	1.7
Service.....	4.4	4.4	4.3	4.0	4.1	3.9	25.5	25.4	25.2	14.1	13.6	12.6
Government.....	3.7	3.7	3.4	4.0	4.1	4.0	21.1	21.2	20.6	6.6	6.7	6.4
	NEW HAMPSHIRE			NEW JERSEY								
	Manchester <sup>3</sup>			Jersey City <sup>5</sup>			Newark <sup>5</sup>			Paterson - Clifton - Passaic <sup>5</sup>		
<b>TOTAL</b> .....	42.6	42.4	43.0	256.3	254.7	259.5	673.7	675.9	668.7	389.9	390.5	386.0
Mining.....	(1)	(1)	(1)	-	-	-	.8	.8	.8	.4	.4	.4
Contract construction..	2.3	2.3	2.5	6.6	6.6	5.9	31.7	31.7	32.2	23.0	22.5	24.0
Manufacturing.....	16.6	16.4	17.2	117.5	116.0	120.8	235.3	235.8	239.4	164.4	165.4	169.9
Trans. and pub. util...	2.7	2.7	2.7	36.5	36.3	37.2	50.2	50.3	49.6	23.1	23.1	21.8
Trade.....	9.2	9.1	9.0	35.4	35.7	36.4	133.6	134.8	129.1	83.2	83.2	78.2
Finance.....	2.5	2.5	2.5	9.3	9.3	9.0	46.9	46.5	46.8	13.7	13.7	13.1
Service.....	5.8	5.8	5.7	24.4	24.2	23.4	103.7	104.4	100.4	47.8	47.7	46.1
Government.....	3.5	3.5	3.2	26.6	26.6	26.8	71.5	71.6	70.4	34.3	34.5	32.5
	NEW JERSEY - Continued			NEW MEXICO			NEW YORK					
	Perth Amboy <sup>5</sup>			Trenton			Albuquerque			Albany - Schenectady - Troy		
<b>TOTAL</b> .....	190.4	190.8	190.3	111.4	111.6	107.4	89.2	89.0	83.7	231.4	230.0	232.7
Mining.....	.8	.8	.8	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	11.4	11.4	11.4	5.0	4.8	4.7	8.3	8.3	7.2	10.7	10.4	9.6
Manufacturing.....	87.0	87.4	89.8	37.6	37.6	36.0	8.7	8.8	8.0	63.3	63.6	64.0
Trans. and pub. util...	9.4	9.5	9.5	6.6	6.6	6.5	6.8	6.8	6.7	14.5	14.6	16.6
Trade.....	32.3	32.0	31.1	19.0	19.2	18.1	20.8	20.8	19.7	44.0	43.9	44.2
Finance.....	3.8	3.8	3.7	4.5	4.5	4.5	5.7	5.6	5.5	10.3	10.3	9.8
Service.....	19.7	19.7	18.0	17.8	18.0	17.1	20.3	20.1	19.2	35.9	35.2	36.1
Government.....	26.0	26.2	26.0	20.8	20.8	20.4	18.6	18.6	17.4	52.7	51.9	52.4
	NEW YORK - Continued			NEW YORK - Continued			NEW YORK - Continued					
	Binghamton			Buffalo			Elmira <sup>6</sup>			Nassau and Suffolk Counties <sup>5</sup>		
<b>TOTAL</b> .....	76.7	76.5	78.5	413.7	422.3	416.1	32.1	32.6	32.0	500.7	501.0	489.6
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Contract construction..	4.2	4.0	4.2	17.7	16.9	20.8	-	-	-	39.4	39.3	44.7
Manufacturing.....	35.0	35.0	37.4	157.9	167.3	159.5	14.4	14.6	14.3	136.9	136.5	137.9
Trans. and pub. util...	4.1	4.1	4.1	31.5	31.5	31.3	-	-	-	23.4	23.4	23.7
Trade.....	13.3	13.3	13.0	82.9	82.8	83.0	6.1	6.1	6.2	126.3	126.5	115.0
Finance.....	2.5	2.5	2.4	16.5	16.4	16.4	-	-	-	22.7	22.5	20.7
Service.....	8.1	8.1	7.9	56.8	56.9	57.6	-	-	-	78.7	79.4	77.0
Government.....	9.6	9.6	9.4	50.4	50.5	47.6	-	-	-	73.3	73.3	70.7

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

**ESTABLISHMENT DATA  
AREA EMPLOYMENT**

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

(In thousands)

Industry division	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	NEW YORK - Continued											
	New York City <sup>5</sup>			New York-Northeastern New Jersey			Rochester			Syracuse		
<b>TOTAL</b> .....	(7)	3,559.2	3,568.7	5,861.8	5,842.2	5,833.4	240.0	237.7	232.2	187.3	187.9	189.0
Mining.....	(7)	1.9	1.9	4.6	4.6	4.7	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	(7)	138.6	143.8	268.5	266.2	282.9	14.5	13.6	12.6	9.6	9.2	9.6
Manufacturing.....	(7)	892.3	931.6	1,736.1	1,708.8	1,766.1	111.6	110.3	109.9	64.5	64.7	67.3
Trans. and pub. util...	(7)	312.9	311.1	471.0	471.4	468.7	10.6	10.5	10.4	12.5	12.6	12.4
Trade.....	(7)	732.3	730.4	1,200.8	1,205.5	1,178.6	42.6	42.8	41.0	37.9	38.3	39.0
Finance.....	(7)	406.6	406.5	517.9	516.3	513.2	8.8	8.7	8.5	9.8	9.8	9.8
Service.....	(7)	637.9	624.3	960.4	963.6	938.2	28.6	28.6	27.1	26.5	26.5	25.3
Government.....	(7)	436.8	419.0	702.4	705.8	681.2	23.2	23.1	22.6	26.5	26.8	25.6
	NEW YORK - Continued						NORTH CAROLINA					
	Utica - Rome			Westchester County <sup>5</sup>			Charlotte			Greensboro - High Point		
<b>TOTAL</b> .....	104.1	103.7	105.1	233.4	232.1	233.2	114.6	113.7	112.6	-	-	-
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-
Contract construction..	3.2	2.8	3.4	15.5	14.3	18.7	8.4	8.1	8.0	6.6	6.8	7.2
Manufacturing.....	37.8	37.7	40.1	63.5	63.6	64.7	27.8	27.4	27.9	44.0	43.5	44.6
Trans. and pub. util...	5.6	5.6	5.7	13.6	13.9	13.9	13.9	13.9	12.4	5.2	5.2	5.1
Trade.....	16.9	17.0	16.9	53.1	53.7	51.6	31.5	31.4	31.7	20.4	20.2	19.6
Finance.....	4.2	4.2	4.1	12.6	12.6	12.1	8.2	8.1	7.9	6.5	6.5	6.7
Service.....	12.9	12.9	12.1	47.0	45.9	44.7	15.7	15.6	15.6	-	-	-
Government.....	23.5	23.5	22.8	28.1	28.0	27.5	9.1	9.2	9.1	-	-	-
	NORTH CAROLINA - Continued			NORTH DAKOTA			OHIO					
	Winston-Salem			Fargo - Moorhead			Akron			Canton		
<b>TOTAL</b> .....	-	-	-	30.3	30.6	30.3	175.7	174.7	173.1	108.2	109.1	105.8
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.5	.4	.4
Contract construction..	-	-	-	2.3	2.3	2.2	7.0	7.0	7.1	4.5	4.4	4.4
Manufacturing.....	37.3	36.7	40.2	2.1	2.1	2.1	79.7	78.8	78.9	51.6	52.5	50.3
Trans. and pub. util...	-	-	-	3.0	3.0	3.1	12.8	12.7	12.8	5.7	5.7	5.8
Trade.....	-	-	-	9.9	9.8	9.8	33.3	33.5	33.1	20.3	20.3	19.8
Finance.....	-	-	-	2.2	2.1	2.1	5.6	5.6	5.4	3.6	3.6	3.7
Service.....	-	-	-	5.2	5.2	5.2	21.4	21.4	20.7	12.9	13.0	12.4
Government.....	-	-	-	5.7	6.1	5.8	15.8	15.6	15.1	9.1	9.2	9.0
	OHIO - Continued											
	Cincinnati			Cleveland			Columbus			Dayton		
<b>TOTAL</b> .....	394.2	396.6	393.7	696.5	705.6	684.4	273.6	273.8	271.8	248.6	249.4	250.3
Mining.....	.3	.3	.3	.6	.6	.5	.7	.7	.7	.5	.5	.5
Contract construction..	20.2	19.4	19.8	35.5	34.7	35.9	15.4	15.3	15.1	10.8	10.9	10.9
Manufacturing.....	143.4	145.6	144.8	264.3	272.4	259.2	72.8	72.7	72.6	98.1	98.6	100.0
Trans. and pub. util...	31.5	31.4	31.3	45.6	45.9	45.0	17.3	17.2	17.4	10.4	10.4	10.3
Trade.....	81.5	81.6	81.7	143.0	143.3	142.8	56.3	56.6	55.8	43.4	43.5	44.0
Finance.....	21.9	21.8	22.4	34.1	34.1	33.3	18.3	18.3	17.9	7.5	7.4	7.1
Service.....	54.0	54.6	52.1	95.6	96.6	92.2	38.4	38.5	37.5	31.6	31.7	30.3
Government.....	41.5	41.9	41.3	77.9	78.0	75.5	54.4	54.5	54.8	46.4	46.4	47.0
	OHIO - Continued						OKLAHOMA					
	Toledo			Youngstown - Warren			Oklahoma City			Tulsa		
<b>TOTAL</b> .....	157.0	157.5	153.6	155.5	158.9	153.1	193.2	192.0	189.1	137.7	137.6	137.5
Mining.....	.2	.2	.3	.4	.4	.4	6.8	6.7	6.8	13.0	13.0	13.1
Contract construction..	7.7	7.5	7.8	7.6	7.4	7.4	13.6	13.3	13.2	9.1	8.9	9.0
Manufacturing.....	58.2	58.3	55.4	70.5	73.2	68.6	24.6	24.3	23.1	28.6	28.2	29.0
Trans. and pub. util...	11.8	11.9	12.0	8.6	8.6	8.3	14.1	14.1	13.9	14.1	14.2	14.4
Trade.....	34.8	35.0	34.7	28.7	29.0	28.9	46.4	46.0	45.6	32.4	32.5	32.3
Finance.....	6.4	6.4	6.3	4.9	5.0	4.6	11.9	11.9	11.7	7.4	7.5	7.4
Service.....	23.2	23.6	22.9	19.6	19.8	19.2	25.3	25.2	25.1	20.2	20.3	19.6
Government.....	14.6	14.6	14.3	15.2	15.6	15.6	50.5	50.5	49.7	12.9	13.0	12.7

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



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

(In thousands)

Industry division	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	OREGON			PENNSYLVANIA								
	Portland			Allentown - Bethlehem - Easton			Altoona			Erie		
<b>TOTAL</b> .....	289.4	285.8	279.5	186.8	186.8	183.7	42.0	42.3	41.1	78.6	77.3	78.3
Mining.....	(1)	(1)	(1)	.5	.5	.5	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	17.0	16.8	15.7	8.2	8.1	7.6	1.4	1.4	1.4	2.8	2.7	2.5
Manufacturing.....	70.2	68.1	69.9	94.4	94.3	95.1	12.5	12.4	12.3	36.7	35.5	37.1
Trans. and pub. util...	28.7	28.7	27.7	10.9	10.9	10.9	9.5	10.0	9.1	4.8	4.8	5.0
Trade.....	71.3	70.8	69.2	30.8	31.0	28.9	7.2	7.1	7.0	14.0	13.9	13.8
Finance.....	17.2	17.4	16.1	5.2	5.2	5.1	1.1	1.1	1.1	2.6	2.6	2.5
Service.....	41.8	41.7	40.5	22.1	22.0	21.7	5.7	5.7	5.6	10.5	10.5	10.0
Government.....	43.2	42.3	40.4	14.7	14.8	13.9	4.6	4.6	4.6	7.2	7.3	7.4
	PENNSYLVANIA - Continued											
	Harrisburg			Johnstown			Lancaster			Philadelphia		
<b>TOTAL</b> .....	148.9	148.6	146.7	68.1	68.3	65.3	100.6	99.5	98.4	1,518.6	1,521.8	1,520.8
Mining.....	(1)	(1)	(1)	4.6	4.9	5.0	(1)	(1)	(1)	1.4	1.4	1.4
Contract construction..	7.6	7.4	7.1	2.8	2.6	2.1	6.3	6.0	5.6	75.8	73.0	76.9
Manufacturing.....	33.6	33.4	33.1	23.5	23.6	21.1	49.0	48.3	49.1	537.8	536.7	542.7
Trans. and pub. util...	11.6	11.6	12.1	4.8	4.8	4.8	5.1	5.1	5.0	107.4	107.7	108.5
Trade.....	26.5	26.6	26.1	12.1	12.1	11.9	17.0	17.0	16.5	298.2	301.6	302.8
Finance.....	6.4	6.4	6.5	1.8	1.8	1.8	2.5	2.5	2.4	84.9	85.1	84.4
Service.....	19.9	19.7	18.5	9.8	9.8	9.5	12.8	12.8	12.4	227.2	229.6	220.1
Government.....	43.3	43.5	43.3	8.7	8.7	9.1	7.9	7.8	7.4	185.9	186.7	184.0
	PENNSYLVANIA - Continued											
	Pittsburgh			Reading			Scranton			Wilkes-Barre - Hazleton		
<b>TOTAL</b> .....	758.8	763.2	743.8	103.6	102.3	101.8	75.6	74.6	77.3	105.5	105.2	105.4
Mining.....	9.6	10.9	9.9	(1)	(1)	(1)	.9	1.1	1.1	4.1	4.5	4.9
Contract construction..	40.3	39.5	39.7	4.5	4.3	4.5	2.2	2.2	2.1	4.9	4.9	4.7
Manufacturing.....	270.6	275.7	260.6	51.3	50.2	50.6	30.3	29.3	31.6	43.8	43.3	43.3
Trans. and pub. util...	56.6	56.5	55.8	5.8	5.8	5.6	6.4	6.3	6.5	6.3	6.2	6.5
Trade.....	147.0	145.9	147.8	15.5	15.4	15.5	14.1	14.1	14.3	18.3	18.2	18.1
Finance.....	33.5	32.9	32.5	4.2	4.2	4.0	2.5	2.5	2.5	3.6	3.6	3.5
Service.....	125.5	125.9	122.5	13.2	13.3	13.0	11.0	11.0	10.8	12.0	12.0	11.7
Government.....	75.7	75.9	75.0	9.1	9.1	8.6	8.2	8.1	8.4	12.5	12.5	12.7
	PENNSYLVANIA - Continued			RHODE ISLAND			SOUTH CAROLINA					
	York			Providence - Pawtucket			Charleston			Columbia		
<b>TOTAL</b> .....	85.5	84.2	85.8	300.8	297.3	301.8	60.0	60.4	58.6	75.6	75.1	74.1
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	4.7	4.5	4.9	14.0	13.9	13.9	4.7	4.7	4.4	5.0	5.0	5.2
Manufacturing.....	41.3	40.2	42.7	130.3	127.7	131.9	9.7	9.8	9.4	15.4	15.4	14.5
Trans. and pub. util...	5.6	5.6	4.8	14.6	14.6	14.5	4.4	4.4	4.3	5.1	5.1	5.0
Trade.....	14.3	14.3	14.0	53.8	53.6	53.4	12.2	12.2	11.9	16.3	16.2	16.3
Finance.....	1.9	1.9	1.9	13.6	13.5	13.2	3.0	3.1	3.0	5.3	5.3	5.3
Service.....	9.4	9.4	9.2	40.8	40.2	41.1	6.6	6.6	6.5	9.7	9.7	9.7
Government.....	8.3	8.3	8.3	33.7	33.8	33.8	19.4	19.6	19.1	18.8	18.4	18.1
	SOUTH CAROLINA - Continued			SOUTH DAKOTA			TENNESSEE					
	Greenville			Sioux Falls			Chattanooga			Knoxville		
<b>TOTAL</b> .....	76.5	76.7	77.6	28.9	29.1	29.0	94.5	93.7	91.1	119.0	118.3	116.0
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	.1	.1	.1	1.8	1.8	1.8
Contract construction..	6.6	6.7	7.0	3.0	3.0	2.4	3.1	3.0	3.5	6.2	6.3	5.8
Manufacturing.....	35.4	35.5	35.1	5.3	5.4	5.7	40.3	39.8	36.9	42.3	42.0	42.3
Trans. and pub. util...	3.4	3.4	3.5	2.7	2.7	2.8	4.7	4.6	4.8	6.7	6.5	6.4
Trade.....	13.7	13.7	13.7	8.5	8.4	8.5	18.2	18.0	18.2	23.8	23.8	23.7
Finance.....	3.3	3.3	3.3	1.5	1.6	1.6	5.5	5.5	5.5	4.2	4.2	4.1
Service.....	8.5	8.5	8.5	4.6	4.6	4.7	11.3	11.3	11.0	14.1	14.0	13.5
Government.....	5.6	5.6	6.5	3.4	3.5	3.4	11.4	11.4	11.0	19.9	19.7	18.4

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	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
	TENNESSEE - Continued						TEXAS					
	Memphis			Nashville			Dallas			Fort Worth		
<b>TOTAL</b> .....	199.7	199.3	194.8	152.1	151.2	148.9	-	-	-	-	-	-
Mining.....	.3	.3	.4	(1)	(1)	(1)	7.9	8.0	7.8	-	-	-
Contract construction..	12.4	12.7	11.3	8.8	8.8	9.2	33.7	34.6	28.1	-	-	-
Manufacturing.....	46.5	46.4	45.3	43.1	42.8	41.3	107.0	107.0	105.9	51.2	52.9	47.8
Trans. and pub. util....	15.9	15.7	15.5	10.3	10.3	10.5	36.7	36.5	35.8	-	-	-
Trade.....	53.5	53.0	51.3	32.9	32.9	32.6	-	-	-	-	-	-
Finance.....	10.7	10.6	10.7	11.0	11.0	10.8	37.1	37.3	35.6	-	-	-
Service.....	29.2	29.3	29.3	24.7	24.4	24.0	-	-	-	-	-	-
Government.....	31.2	31.3	31.0	21.3	21.0	20.5	38.8	38.8	38.8	-	-	-
	TEXAS - Continued						UTAH			VERMONT		
	Houston			San Antonio			Salt Lake City			Burlington <sup>6</sup>		
<b>TOTAL</b> .....	-	-	-	-	-	-	(7)	160.1	156.2	23.3	23.6	24.1
Mining.....	-	-	-	-	-	-	(7)	6.2	6.9	-	-	-
Contract construction..	-	-	-	12.1	12.2	11.7	(7)	11.0	10.1	-	-	-
Manufacturing.....	93.2	91.8	95.7	24.2	24.1	23.5	(7)	30.2	30.2	4.7	4.7	5.9
Trans. and pub. util....	-	-	-	9.3	9.3	9.5	(7)	14.1	14.1	1.5	1.5	1.5
Trade.....	-	-	-	-	-	-	(7)	42.1	40.5	5.5	5.4	5.6
Finance.....	-	-	-	12.1	12.0	11.6	(7)	9.6	9.7	-	-	-
Service.....	-	-	-	-	-	-	(7)	22.1	21.3	-	-	-
Government.....	-	-	-	51.8	52.0	52.4	(7)	24.8	23.4	-	-	-
	VERMONT - Continued			VIRGINIA								
	Springfield <sup>6</sup>			Newport News - Hampton			Norfolk - Portsmouth			Richmond		
<b>TOTAL</b> .....	12.8	12.7	12.4	74.9	74.4	74.2	158.7	158.8	158.7	179.3	177.1	175.9
Mining.....	-	-	-	(1)	(1)	(1)	.1	.1	.1	.2	.2	.2
Contract construction..	-	-	-	4.8	4.8	4.5	12.1	11.9	13.4	13.9	13.5	12.6
Manufacturing.....	6.6	6.6	6.6	24.9	24.7	25.7	16.2	16.6	17.1	43.7	42.7	44.6
Trans. and pub. util....	.7	.7	.7	3.9	3.8	4.1	15.4	15.4	15.3	15.5	15.4	15.5
Trade.....	1.8	1.8	1.6	12.2	11.9	11.7	39.5	39.3	38.0	42.3	41.7	40.6
Finance.....	-	-	-	2.3	2.3	2.1	6.4	6.3	6.3	15.1	15.0	14.6
Service.....	-	-	-	7.7	7.8	7.3	21.3	21.4	20.8	22.9	22.8	22.4
Government.....	-	-	-	19.1	19.1	18.8	47.7	47.8	47.7	25.7	25.8	25.4
	VIRGINIA - Continued			WASHINGTON								
	Roanoke			Seattle			Spokane			Tacoma		
<b>TOTAL</b> .....	64.3	64.7	62.2	400.4	395.5	424.2	75.9	75.2	76.0	80.8	80.6	81.7
Mining.....	.1	.1	.1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Contract construction..	5.5	5.5	4.8	22.5	22.0	22.0	4.4	4.0	4.1	4.6	4.5	4.6
Manufacturing.....	15.2	15.1	15.0	118.6	115.7	136.3	12.7	12.7	12.8	16.6	16.6	17.6
Trans. and pub. util....	8.9	8.9	8.8	30.6	30.5	32.3	7.9	7.9	8.1	5.9	5.9	6.0
Trade.....	14.8	14.8	13.8	90.2	89.9	95.2	20.4	20.2	20.5	17.0	16.9	16.6
Finance.....	3.2	3.2	3.1	25.7	25.7	25.4	4.4	4.4	4.4	4.1	4.1	4.0
Service.....	9.6	9.7	9.4	55.0	54.4	57.1	13.2	13.1	13.2	12.4	12.6	12.0
Government.....	7.0	7.4	7.1	57.8	57.3	55.9	12.9	12.9	12.9	20.2	20.0	20.9
	WEST VIRGINIA						WISCONSIN					
	Charleston			Huntington - Ashland			Wheeling			Green Bay		
<b>TOTAL</b> .....	75.5	75.7	76.5	69.4	68.9	66.7	49.9	50.4	49.5	40.4	39.4	38.9
Mining.....	4.0	3.9	3.9	1.0	1.0	.9	2.5	2.6	2.6	(1)	(1)	(1)
Contract construction..	3.4	3.5	4.7	3.3	3.2	3.3	3.0	3.2	2.5	2.4	2.4	2.3
Manufacturing.....	22.3	22.4	22.2	24.8	24.3	22.6	15.9	16.2	16.2	14.4	13.8	13.6
Trans. and pub. util....	8.5	8.5	8.5	7.6	7.6	7.7	3.7	3.7	3.7	4.0	3.9	3.9
Trade.....	16.1	16.0	16.1	15.2	15.2	15.0	11.4	11.4	11.2	9.4	9.3	9.2
Finance.....	3.2	3.2	3.1	2.5	2.5	2.4	2.0	2.0	2.0	1.1	1.2	1.1
Service.....	9.4	9.5	9.3	7.9	7.8	7.6	7.4	7.4	7.4	5.1	5.0	5.1
Government.....	8.8	8.8	8.9	7.4	7.4	7.4	4.1	4.1	4.0	3.9	3.9	3.8

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**

(In thousands)

Industry division	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	
	WISCONSIN - Continued												
	Kenosha			La Crosse			Madison			Milwaukee			
<b>TOTAL</b> .....	34.3	37.9	29.4	24.0	23.7	24.1	83.5	83.8	80.0	456.2	456.6	451.1	
Mining.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Contract construction..	2.2	2.0	1.4	.9	.9	1.2	5.6	5.7	6.1	20.1	20.2	20.3	
Manufacturing.....	19.0	22.5	15.5	8.3	8.0	8.5	13.7	13.6	13.7	188.0	188.3	185.0	
Trans. and pub. util...	1.4	1.6	1.4	1.9	1.9	1.9	4.3	4.3	4.1	27.1	26.9	27.6	
Trade.....	4.4	4.5	4.3	5.5	5.4	5.3	17.3	17.2	16.1	89.7	89.8	89.6	
Finance.....	.6	.6	.6	.5	.5	.5	4.3	4.3	4.1	22.8	22.9	22.8	
Service.....	3.8	3.8	3.5	4.1	4.1	4.0	11.3	11.3	10.6	58.8	59.3	57.2	
Government.....	2.8	2.9	2.8	2.8	2.8	2.7	27.1	27.4	25.2	49.8	49.3	48.6	
	WISCONSIN - Continued						WYOMING						
	Racine			Casper <sup>3</sup>			Cheyenne <sup>3</sup>						
<b>TOTAL</b> .....	45.8	45.5	44.0	17.7	17.5	17.9	21.7	21.0	18.4				
Mining.....	(1)	(1)	(1)	3.5	3.4	3.6	(1)	(1)	(1)				
Contract construction..	1.9	1.8	1.3	1.5	1.4	1.6	5.4	4.9	4.6				
Manufacturing.....	21.4	21.3	21.2	1.6	1.6	1.6	1.3	1.3	1.2				
Trans. and pub. util...	1.7	1.8	1.8	1.8	1.8	1.6	2.6	2.5	2.9				
Trade.....	8.6	8.6	8.1	4.0	4.0	4.2	3.9	3.8	4.1				
Finance.....	1.3	1.3	1.2	.8	.8	.8	.9	.9	.9				
Service.....	5.8	5.8	5.6	2.1	2.1	2.2	2.6	2.6	3.0				
Government.....	5.0	5.0	4.8	2.4	2.4	2.3	5.0	5.0	4.7				

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

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

<sup>3</sup> Revised series; not strictly comparable with previously published data.

<sup>4</sup> Combined with manufacturing.

<sup>5</sup> Subarea of New York-Northeastern New Jersey.

<sup>6</sup> Total includes data for industry divisions not shown separately.

<sup>7</sup> Not available.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

## ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

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

Year and month	Manufacturing			Durable goods			Nondurable goods		
	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings	Average weekly earnings	Average weekly hours	Average hourly earnings
1919.....	\$21.84	46.3	\$0.472	-	-	-	-	-	-
1920.....	26.02	47.4	.549	-	-	-	-	-	-
1921.....	21.94	43.1	.509	-	-	-	-	-	-
1922.....	21.28	44.2	.482	-	-	-	-	-	-
1923.....	23.56	45.6	.516	\$25.42	-	-	\$21.50	-	-
1924.....	23.67	43.7	.541	25.48	-	-	21.63	-	-
1925.....	24.11	44.5	.541	26.02	-	-	21.99	-	-
1926.....	24.38	45.0	.542	26.23	-	-	22.29	-	-
1927.....	24.47	45.0	.544	26.28	-	-	22.55	-	-
1928.....	24.70	44.4	.556	26.86	-	-	22.42	-	-
1929.....	24.76	44.2	.560	26.84	-	-	22.47	-	-
1930.....	23.00	42.1	.546	24.42	-	-	21.40	-	-
1931.....	20.64	40.5	.509	20.98	-	-	20.09	-	-
1932.....	16.89	38.3	.441	15.99	32.5	\$0.492	17.26	41.9	\$0.412
1933.....	16.65	38.1	.437	16.20	34.7	.467	16.76	40.0	.419
1934.....	18.20	34.6	.526	18.59	33.8	.550	17.73	35.1	.505
1935.....	19.91	36.6	.544	21.24	37.2	.571	18.77	36.1	.520
1936.....	21.56	39.2	.550	23.72	40.9	.580	19.57	37.7	.519
1937.....	23.82	38.6	.617	26.61	39.9	.667	21.17	37.4	.566
1938.....	22.07	35.6	.620	23.70	34.9	.679	20.65	36.1	.572
1939.....	23.64	37.7	.627	26.19	37.9	.691	21.36	37.4	.571
1940.....	24.96	38.1	.655	28.07	39.2	.716	21.83	37.0	.590
1941.....	29.48	40.6	.726	33.56	42.0	.799	24.39	38.9	.627
1942.....	36.68	43.1	.851	42.17	45.0	.937	28.57	40.3	.709
1943.....	43.07	45.0	.957	48.73	46.5	1.048	33.45	42.5	.787
1944.....	45.70	45.2	1.011	51.38	46.5	1.105	36.38	43.1	.844
1945.....	44.20	43.5	1.016	48.36	44.0	1.099	37.48	42.3	.886
1946.....	43.32	40.3	1.075	46.22	40.4	1.144	40.30	40.5	.995
1947.....	49.17	40.4	1.217	51.76	40.5	1.278	46.03	40.2	1.145
1948.....	53.12	40.0	1.328	56.36	40.4	1.395	49.50	39.6	1.250
1949.....	53.38	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
1962: September.....	97.27	40.7	2.39	105.88	41.2	2.57	86.80	40.0	2.17
October.....	96.32	40.3	2.39	105.37	41.0	2.57	85.50	39.4	2.17
November.....	97.36	40.4	2.41	105.78	41.0	2.58	86.33	39.6	2.18
December.....	98.01	40.5	2.42	107.53	41.2	2.61	86.94	39.7	2.19
1963: January.....	97.44	40.1	2.43	105.82	40.7	2.60	86.24	39.2	2.20
February.....	97.20	40.0	2.43	106.23	40.7	2.61	85.85	39.2	2.19
March.....	98.09	40.2	2.44	106.49	40.8	2.61	86.68	39.4	2.20
April.....	97.36	39.9	2.44	106.37	40.6	2.62	85.97	38.9	2.21
May.....	99.23	40.5	2.45	108.36	41.2	2.63	87.52	39.6	2.21
June.....	100.37	40.8	2.46	109.82	41.6	2.64	88.36	39.8	2.22
July.....	99.23	40.5	2.45	108.09	41.1	2.63	88.36	39.8	2.22
August.....	98.42	40.5	2.43	107.01	41.0	2.61	88.18	39.9	2.21
September.....	99.88	40.6	2.46	108.36	41.2	2.63	89.15	39.8	2.24

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

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**Table C-2: Gross hours and earnings of production workers<sup>1</sup> by industry**

Industry	Average weekly earnings					Average hourly earnings				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>MINING</b> .....	-	\$115.08	\$112.06	\$112.47	\$111.90	-	\$2.74	\$2.72	\$2.71	\$2.69
<b>METAL MINING</b> .....	-	118.37	116.69	117.71	115.87	-	2.88	2.86	2.85	2.84
Iron ores .....	-	119.78	119.50	122.61	119.87	-	3.04	3.08	3.05	3.05
Copper ores .....	-	125.99	121.98	120.98	117.99	-	2.93	2.85	2.86	2.85
<b>COAL MINING</b> .....	-	120.05	108.19	112.53	112.42	-	3.11	(2)	3.10	3.08
Bituminous .....	-	121.52	110.21	113.67	113.83	-	3.14	(2)	3.14	3.11
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	112.10	112.36	110.99	109.56	-	2.65	2.65	2.63	2.59
Crude petroleum and natural gas fields .....	-	118.32	120.30	119.81	114.80	-	2.90	2.92	2.88	2.80
Oil and gas field services .....	-	106.82	105.46	103.58	104.84	-	2.45	2.43	2.42	2.41
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	113.62	113.83	113.24	112.79	-	2.47	2.48	2.43	2.41
<b>CONTRACT CONSTRUCTION</b> .....	-	132.70	130.90	128.64	127.71	-	3.42	3.40	3.35	3.30
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	122.34	120.62	117.81	116.92	-	3.28	3.26	3.21	3.16
<b>HEAVY CONSTRUCTION</b> .....	-	138.09	135.22	130.17	131.63	-	3.16	3.13	3.07	3.04
Highway and street construction .....	-	135.28	133.62	128.76	130.09	-	3.04	3.03	2.96	2.93
Other heavy construction .....	-	141.43	136.92	131.93	132.92	-	3.32	3.26	3.21	3.18
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	137.24	136.14	134.98	132.75	-	3.65	3.64	3.59	3.54
<b>MANUFACTURING</b> .....	\$99.88	98.42	99.23	97.27	95.75	\$2.46	2.43	2.45	2.39	2.37
<b>DURABLE GOODS</b> .....	108.36	107.01	108.09	105.88	103.89	2.63	2.61	2.63	2.57	2.54
<b>NONDURABLE GOODS</b> .....	89.15	88.18	88.36	86.80	86.18	2.24	2.21	2.22	2.17	2.16
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	119.31	119.31	117.74	116.72	115.34	2.91	2.91	2.90	2.84	2.82
Ammunition, except for small arms .....	121.66	122.25	118.96	117.38	116.00	2.96	2.96	2.93	2.87	2.85
Sighting and fire control equipment .....	-	119.69	121.09	125.40	122.78	-	3.03	3.05	3.00	2.98
Other ordnance and accessories .....	115.08	114.52	114.93	112.06	110.70	2.80	2.80	2.81	2.72	2.70
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	84.86	84.04	82.42	82.42	81.80	2.08	2.07	2.03	2.02	2.00
Sawmills and planing mills .....	75.79	75.98	74.96	75.30	74.48	1.89	1.89	1.86	1.85	1.83
Sawmills and planing mills, general .....	-	77.20	76.19	76.95	75.95	-	1.93	1.90	1.90	1.88
Millwork, plywood, and related products .....	90.69	90.92	89.66	89.66	89.02	2.18	2.17	2.15	2.15	2.14
Millwork .....	-	92.18	90.06	88.54	90.06	-	2.20	2.17	2.17	2.17
Veneer and plywood .....	-	88.62	89.04	89.46	87.78	-	2.11	2.12	2.11	2.09
Wooden containers .....	68.30	69.47	70.14	68.04	68.30	1.67	1.67	1.67	1.68	1.67
Wooden boxes, shooks, and crates .....	-	68.88	69.63	67.40	67.16	-	1.64	1.65	1.64	1.63
Miscellaneous wood products .....	74.93	75.07	74.48	74.62	73.49	1.85	1.84	1.83	1.82	1.81
<b>FURNITURE AND FIXTURES</b> .....	84.84	83.62	81.19	81.54	80.54	2.02	2.01	1.99	1.96	1.95
Household furniture .....	80.83	78.62	76.52	77.15	75.99	1.92	1.89	1.88	1.85	1.84
Wood house furniture, unupholstered .....	-	73.95	72.31	72.16	71.74	-	1.74	1.73	1.69	1.68
Wood house furniture, upholstered .....	-	83.62	80.52	82.21	79.17	-	2.08	2.07	2.05	2.03
Mattresses and bedsprings .....	-	88.82	85.06	85.08	84.95	-	2.13	2.09	2.06	2.05
Office furniture .....	-	96.23	94.71	92.57	92.34	-	2.33	2.31	2.28	2.28
Partitions; office and store fixtures .....	-	109.78	107.64	107.87	108.38	-	2.62	2.60	2.55	2.55
Other furniture and fixtures .....	85.08	86.52	82.21	82.00	81.79	2.05	2.06	2.04	2.00	1.99
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	104.00	104.33	104.33	101.33	101.40	2.50	2.49	2.49	2.43	2.42
Flat glass .....	-	134.74	133.45	126.94	125.78	-	3.36	3.37	3.28	3.25
Glass and glassware, pressed or blown .....	97.89	100.50	100.25	97.76	98.09	2.51	2.50	2.50	2.45	2.44
Glass containers .....	-	101.25	102.00	99.05	100.78	-	2.50	2.50	2.47	2.47
Pressed and blown glassware, n.e.c. .....	-	99.65	97.64	95.68	94.32	-	2.51	2.51	2.41	2.40
Cement, hydraulic .....	118.53	116.18	118.86	116.62	115.93	2.87	2.82	2.83	2.81	2.78
Structural clay products .....	90.64	90.91	90.71	87.34	87.56	2.20	2.18	2.17	2.12	2.12
Brick and structural clay tile .....	-	87.09	87.26	84.77	85.00	-	2.03	2.02	1.99	2.00
Pottery and related products .....	-	87.40	89.01	89.20	87.25	-	2.27	2.30	2.23	2.22
Concrete, gypsum, and plaster products .....	110.11	111.35	110.45	108.14	108.66	2.48	2.48	2.46	2.43	2.42
Other stone and mineral products .....	104.67	103.50	104.00	99.87	99.95	2.51	2.50	2.50	2.43	2.42
Abrasive products .....	-	102.14	104.34	96.14	96.29	-	2.56	2.57	2.44	2.45

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

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

Industry	Average weekly hours					Average overtime hours				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>MINING</b> .....	-	42.0	41.2	41.5	41.6	-	-	-	-	-
<b>METAL MINING</b> .....	-	41.1	40.8	41.3	40.8	-	-	-	-	-
Iron ores .....	-	39.4	38.8	40.2	39.3	-	-	-	-	-
Copper ores .....	-	43.0	42.8	42.3	41.4	-	-	-	-	-
<b>COAL MINING</b> .....	-	38.6	(2)	36.3	36.5	-	-	-	-	-
Bituminous .....	-	38.7	(2)	36.2	36.6	-	-	-	-	-
<b>CRUDE PETROLEUM AND NATURAL GAS</b> .....	-	42.3	42.4	42.2	42.3	-	-	-	-	-
Crude petroleum and natural gas fields .....	-	40.8	41.2	41.6	41.0	-	-	-	-	-
Oil and gas field services .....	-	43.6	43.4	42.8	43.5	-	-	-	-	-
<b>QUARRYING AND NONMETALLIC MINING</b> .....	-	46.0	45.9	46.6	46.8	-	-	-	-	-
<b>CONTRACT CONSTRUCTION</b> .....	-	38.8	38.5	38.4	38.7	-	-	-	-	-
<b>GENERAL BUILDING CONTRACTORS</b> .....	-	37.3	37.0	36.7	37.0	-	-	-	-	-
<b>HEAVY CONSTRUCTION</b> .....	-	43.7	43.2	42.4	43.3	-	-	-	-	-
Highway and street construction .....	-	44.5	44.1	43.5	44.4	-	-	-	-	-
Other heavy construction .....	-	42.6	42.0	41.1	41.8	-	-	-	-	-
<b>SPECIAL TRADE CONTRACTORS</b> .....	-	37.6	37.4	37.6	37.5	-	-	-	-	-
<b>MANUFACTURING</b> .....	40.6	40.5	40.5	40.7	40.4	3.0	2.9	2.9	3.0	2.8
<b>DURABLE GOODS</b> .....	41.2	41.0	41.1	41.2	40.9	3.0	2.9	2.9	3.1	2.8
<b>NONDURABLE GOODS</b> .....	39.8	39.9	39.8	40.0	39.9	3.0	2.8	2.8	2.9	2.7
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES</b> .....	41.0	41.0	40.6	41.1	40.9	-	2.7	2.4	2.1	2.1
Ammunition, except for small arms .....	41.1	41.3	40.6	40.9	40.7	-	2.9	2.8	1.7	1.9
Sighting and fire control equipment .....	-	39.5	39.7	41.8	41.2	-	.9	.5	2.7	2.8
Other ordnance and accessories .....	41.1	40.9	40.9	41.2	41.0	-	2.7	2.1	2.5	2.1
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE</b> .....	40.8	40.6	40.6	40.8	40.9	-	3.8	3.7	3.7	3.7
Sawmills and planing mills .....	40.1	40.2	40.3	40.7	40.7	-	3.9	3.8	3.6	3.5
Sawmills and planing mills, general .....	-	40.0	40.1	40.5	40.4	-	-	-	-	-
Millwork, plywood, and related products .....	41.6	41.9	41.7	41.5	41.6	-	4.0	4.0	3.8	3.7
Millwork .....	-	41.9	41.5	40.8	41.5	-	-	-	-	-
Veneer and plywood .....	-	42.0	42.0	42.4	42.0	-	-	-	-	-
Wooden containers .....	40.9	41.6	42.0	40.5	40.9	-	3.7	4.2	3.2	3.3
Wooden boxes, shooks, and crates .....	-	42.0	42.2	41.1	41.2	-	-	-	-	-
Miscellaneous wood products .....	40.5	40.8	40.7	41.0	40.6	-	3.2	2.7	3.1	3.1
<b>FURNITURE AND FIXTURES</b> .....	42.0	41.6	40.8	41.6	41.3	-	3.5	2.9	3.5	3.2
Household furniture .....	42.1	41.6	40.7	41.7	41.3	-	3.5	2.9	3.4	3.2
Wood house furniture, unupholstered .....	-	42.5	41.8	42.7	42.7	-	-	-	-	-
Wood house furniture, upholstered .....	-	40.2	38.9	40.1	39.0	-	-	-	-	-
Mattresses and bedsprings .....	-	41.7	40.7	41.3	41.0	-	-	-	-	-
Office furniture .....	-	41.3	41.0	40.6	40.5	-	2.7	2.3	2.4	2.0
Partitions, office and store fixtures .....	-	41.9	41.4	42.3	42.5	-	3.5	3.1	4.6	4.0
Other furniture and fixtures .....	41.5	42.0	40.3	41.0	41.1	-	4.1	3.0	3.2	3.4
<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	41.6	41.9	41.9	41.7	41.9	-	4.0	4.0	3.9	3.9
Flat glass .....	-	40.1	39.6	38.7	38.7	-	2.1	2.2	2.0	1.6
Glass and glassware, pressed or blown .....	39.0	40.2	40.1	39.9	40.2	-	3.4	3.4	3.5	3.4
Glass containers .....	-	40.5	40.8	40.1	40.8	-	-	-	-	-
Pressed and blown glassware, n.e.c. .....	-	39.7	38.9	39.7	39.3	-	-	-	-	-
Cement, hydraulic .....	41.3	41.2	42.0	41.5	41.7	-	2.1	2.4	2.3	2.1
Structural clay products .....	41.2	41.7	41.8	41.2	41.3	-	3.6	3.6	3.1	3.2
Brick and structural clay tile .....	-	42.9	43.2	42.6	42.5	-	-	-	-	-
Pottery and related products .....	-	38.5	38.7	40.0	39.3	-	2.0	2.0	2.1	2.1
Concrete, gypsum, and plaster products .....	44.4	44.9	44.9	44.5	44.9	-	6.5	6.4	6.4	6.7
Other stone and mineral products .....	41.7	41.4	41.6	41.1	41.3	-	3.2	3.0	3.0	2.9
Abrasives products .....	-	39.9	40.6	39.4	39.3	-	-	-	-	-

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				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Durable Goods--Continued</i>										
<b>PRIMARY METAL INDUSTRIES . . . . .</b>	\$122.31	\$122.72	\$125.77	\$119.10	\$115.84	\$3.02	\$3.03	\$3.06	\$2.97	\$2.94
Blast furnace and basic steel products . . . . .	129.30	129.96	135.20	125.00	122.68	3.29	3.29	3.33	3.23	3.22
Blast furnaces, steel and rolling mills . . . . .	-	130.87	136.49	126.61	123.23	-	3.33	3.37	3.28	3.26
Iron and steel foundries . . . . .	111.24	110.42	111.78	107.45	103.34	2.70	2.68	2.70	2.64	2.59
Gray iron foundries . . . . .	-	108.32	109.30	105.26	99.90	-	2.61	2.64	2.58	2.51
Malleable iron foundries . . . . .	-	109.89	109.20	108.00	104.80	-	2.72	2.73	2.66	2.62
Steel foundries . . . . .	-	115.49	117.60	111.24	109.20	-	2.81	2.80	2.74	2.73
Nonferrous smelting and refining . . . . .	119.11	118.69	118.12	116.75	116.03	2.87	2.86	2.86	2.82	2.83
Nonferrous rolling, drawing and extruding . . . . .	119.00	118.72	119.00	116.47	113.98	2.80	2.80	2.80	2.76	2.74
Copper rolling, drawing, and extruding . . . . .	-	122.98	121.98	116.90	114.39	-	2.88	2.85	2.81	2.79
Aluminum rolling, drawing, and extruding . . . . .	-	124.15	124.86	124.15	121.66	-	2.97	2.98	2.97	2.96
Nonferrous wire drawing and insulating . . . . .	-	109.65	110.42	109.55	106.25	-	2.58	2.58	2.53	2.50
Nonferrous foundries . . . . .	106.71	106.71	105.41	104.60	102.11	2.59	2.59	2.59	2.57	2.54
Aluminum castings . . . . .	-	107.68	107.30	105.32	103.72	-	2.62	2.63	2.62	2.58
Other nonferrous castings . . . . .	-	105.73	103.53	104.08	100.50	-	2.56	2.55	2.52	2.50
Miscellaneous primary metal industries . . . . .	127.72	125.26	128.44	126.00	123.07	3.10	3.07	3.11	3.00	2.98
Iron and steel forgings . . . . .	-	128.56	132.75	126.79	126.07	-	3.19	3.23	3.10	3.09
<b>FABRICATED METAL PRODUCTS . . . . .</b>	108.73	108.32	107.53	106.66	105.32	2.62	2.61	2.61	2.57	2.55
Metal cans . . . . .	131.15	134.64	132.07	133.11	131.50	3.05	3.06	3.05	3.06	3.03
Cutlery, hand tools, and general hardware . . . . .	102.41	101.50	100.35	99.96	96.48	2.51	2.50	2.49	2.45	2.40
Cutlery and hand tools, including saws . . . . .	-	94.96	95.51	95.18	94.54	-	2.38	2.37	2.35	2.34
Hardware, n.e.c. . . . .	-	106.04	103.17	102.91	97.84	-	2.58	2.56	2.51	2.44
Heating equipment and plumbing fixtures . . . . .	102.72	102.82	102.47	101.34	100.94	2.53	2.52	2.53	2.49	2.48
Sanitary ware and plumbers' brass goods . . . . .	-	103.57	104.34	102.91	102.91	-	2.57	2.57	2.51	2.51
Heating equipment, except electric . . . . .	-	102.18	100.44	100.44	99.38	-	2.48	2.48	2.48	2.46
Fabricated structural metal products . . . . .	108.73	109.78	108.58	106.97	107.07	2.62	2.62	2.61	2.59	2.58
Fabricated structural steel . . . . .	-	113.74	112.56	110.12	109.56	-	2.67	2.68	2.66	2.64
Metal doors, sash, frames, and trim . . . . .	-	95.49	95.76	95.30	94.92	-	2.29	2.28	2.28	2.26
Fabricated plate work (boiler shops) . . . . .	-	113.71	112.88	109.61	110.15	-	2.74	2.72	2.68	2.68
Sheet metal work . . . . .	-	113.15	112.06	110.27	108.92	-	2.72	2.72	2.67	2.65
Architectural and miscellaneous metal work . . . . .	-	109.41	107.71	108.09	110.09	-	2.63	2.64	2.63	2.64
Screw machine products, bolts, etc. . . . .	109.39	108.20	106.75	107.18	105.00	2.58	2.57	2.56	2.51	2.50
Screw machine products . . . . .	-	101.16	100.02	101.15	100.25	-	2.42	2.41	2.38	2.37
Bolts, nuts, screws, rivets, and washers . . . . .	-	114.06	112.02	112.99	109.10	-	2.69	2.68	2.64	2.61
Metal stampings . . . . .	115.35	113.15	113.98	112.56	111.87	2.74	2.72	2.74	2.68	2.67
Coating, engraving, and allied services . . . . .	96.64	94.83	93.73	92.55	90.94	2.34	2.33	2.32	2.23	2.24
Miscellaneous fabricated wire products . . . . .	99.25	96.93	96.22	97.29	96.64	2.38	2.37	2.37	2.35	2.34
Miscellaneous fabricated metal products . . . . .	106.25	105.15	105.71	105.67	102.77	2.63	2.59	2.61	2.59	2.55
Valves, pipe, and pipe fittings . . . . .	-	107.98	107.45	107.86	105.06	-	2.64	2.64	2.65	2.62
<b>MACHINERY . . . . .</b>	115.93	115.23	115.51	112.74	112.32	2.78	2.77	2.77	2.71	2.70
Engines and turbines . . . . .	122.92	120.90	122.21	121.20	120.09	3.05	3.01	3.01	3.00	2.98
Steam engines and turbines . . . . .	-	129.92	129.35	133.66	130.09	-	3.24	3.25	3.26	3.22
Internal combustion engines, n.e.c. . . . .	-	116.22	118.08	114.69	114.86	-	2.92	2.88	2.86	2.85
Farm machinery and equipment . . . . .	-	110.29	110.28	107.46	107.18	-	2.73	2.75	2.66	2.64
Construction and related machinery . . . . .	116.20	116.76	115.93	112.61	112.88	2.80	2.80	2.78	2.72	2.72
Construction and mining machinery . . . . .	-	118.85	116.72	112.74	113.16	-	2.85	2.84	2.77	2.76
Oil field machinery and equipment . . . . .	-	108.27	111.76	110.14	107.53	-	2.70	2.68	2.61	2.61
Conveyors, hoists, and industrial cranes . . . . .	-	119.23	120.67	112.89	117.72	-	2.76	2.73	2.65	2.70
Metalworking machinery and equipment . . . . .	125.67	125.83	128.30	123.55	123.55	2.95	2.94	2.97	2.88	2.88
Machine tools, metal cutting types . . . . .	-	122.69	123.69	119.13	118.00	-	2.88	2.89	2.79	2.77
Special dies, tools, jigs, and fixtures . . . . .	-	138.84	141.75	136.95	137.70	-	3.12	3.15	3.05	3.06
Machine tool accessories . . . . .	-	110.30	113.16	110.15	108.26	-	2.71	2.74	2.68	2.66
Miscellaneous metalworking machinery . . . . .	-	119.39	120.51	115.21	117.58	-	2.87	2.89	2.81	2.84
Special industry machinery . . . . .	110.40	108.52	109.20	108.38	105.59	2.61	2.59	2.60	2.55	2.52
Food products machinery . . . . .	-	113.57	112.19	111.45	109.15	-	2.73	2.71	2.66	2.63
Textile machinery . . . . .	-	92.70	90.58	95.22	93.04	-	2.25	2.22	2.23	2.21
General industrial machinery . . . . .	116.06	114.12	113.16	110.97	110.83	2.79	2.77	2.76	2.70	2.69
Pumps; air and gas compressors . . . . .	-	115.48	113.52	108.36	109.71	-	2.73	2.69	2.63	2.65
Ball and roller bearings . . . . .	-	113.00	110.76	114.54	113.16	-	2.79	2.79	2.78	2.74
Mechanical power transmission goods . . . . .	-	118.58	118.30	111.51	111.24	-	2.81	2.79	2.70	2.70
Office, computing, and accounting machines . . . . .	117.67	116.28	117.14	113.68	112.19	2.87	2.85	2.85	2.80	2.77
Computing machines and cash registers . . . . .	-	123.73	125.14	121.39	119.36	-	3.04	3.03	2.99	2.94
Service industry machines . . . . .	102.87	102.21	103.22	100.44	99.96	2.54	2.53	2.53	2.48	2.45
Refrigeration, except home refrigerators . . . . .	-	100.80	102.41	99.38	98.25	-	2.52	2.51	2.46	2.42
Miscellaneous machinery . . . . .	110.99	110.83	110.56	109.82	108.29	2.63	2.62	2.62	2.59	2.56
Machine shops, jobbing and repair . . . . .	-	110.17	109.39	108.54	107.95	-	2.58	2.58	2.56	2.54
Machine parts, n.e.c., except electrical . . . . .	-	112.32	112.59	111.67	109.62	-	2.70	2.70	2.64	2.61

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

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

Industry	Average weekly hours					Average overtime hours				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Durable Goods--Continued</i>										
<b>PRIMARY METAL INDUSTRIES</b> . . . . .	40.5	40.5	41.1	40.1	39.4	-	2.4	2.7	2.2	1.9
Blast furnace and basic steel products . . . . .	39.3	39.5	40.6	38.7	38.1	-	1.4	2.1	1.3	.9
Blast furnaces, steel and rolling mills . . . . .	-	39.3	40.5	38.6	37.8	-	-	-	-	-
Iron and steel foundries . . . . .	41.2	41.2	41.4	40.7	39.9	-	3.5	3.3	2.7	2.5
Gray iron foundries . . . . .	-	41.5	41.4	40.8	39.8	-	-	-	-	-
Malleable iron foundries . . . . .	-	40.4	40.0	40.6	40.0	-	-	-	-	-
Steel foundries . . . . .	-	41.1	42.0	40.6	40.0	-	-	-	-	-
Nonferrous smelting and refining . . . . .	41.5	41.5	41.3	41.4	41.0	-	2.9	2.9	3.0	3.1
Nonferrous rolling, drawing and extruding . . . . .	42.5	42.4	42.5	42.2	41.6	-	3.8	3.7	3.7	3.2
Copper rolling, drawing, and extruding . . . . .	-	42.7	42.8	41.6	41.0	-	-	-	-	-
Aluminum rolling, drawing, and extruding . . . . .	-	41.8	41.9	41.8	41.1	-	-	-	-	-
Nonferrous wire drawing and insulating . . . . .	-	42.5	42.8	43.3	42.5	-	-	-	-	-
Nonferrous foundries . . . . .	41.2	41.2	40.7	40.7	40.2	-	2.8	2.8	2.9	2.5
Aluminum castings . . . . .	-	41.1	40.8	40.2	40.2	-	-	-	-	-
Other nonferrous castings . . . . .	-	41.3	40.6	41.3	40.2	-	-	-	-	-
Miscellaneous primary metal industries . . . . .	41.2	40.8	41.3	42.0	41.3	-	3.0	3.3	3.3	2.9
Iron and steel forgings . . . . .	-	40.3	41.1	40.9	40.8	-	-	-	-	-
<b>FABRICATED METAL PRODUCTS</b> . . . . .	41.5	41.5	41.2	41.5	41.3	-	3.3	3.1	3.3	3.1
Metal cans . . . . .	43.0	44.0	43.3	43.5	43.4	-	5.1	4.1	4.9	4.3
Cutlery, hand tools, and general hardware . . . . .	40.8	40.6	40.3	40.8	40.2	-	2.4	2.1	2.6	2.1
Cutlery and hand tools, including saws . . . . .	-	39.9	40.3	40.5	40.4	-	-	-	-	-
Hardware, n.e.c. . . . .	-	41.1	40.3	41.0	40.1	-	-	-	-	-
Heating equipment and plumbing fixtures . . . . .	40.6	40.8	40.5	40.7	40.7	-	2.4	2.3	2.5	2.2
Sanitary ware and plumbers' brass goods . . . . .	-	40.3	40.6	41.0	41.0	-	-	-	-	-
Heating equipment, except electric . . . . .	-	41.2	40.5	40.5	40.4	-	-	-	-	-
Fabricated structural metal products . . . . .	41.5	41.9	41.6	41.3	41.5	-	3.4	3.3	3.0	3.0
Fabricated structural steel . . . . .	-	42.6	42.0	41.4	41.5	-	-	-	-	-
Metal doors, sash, frames, and trim . . . . .	-	41.7	42.0	41.8	42.0	-	-	-	-	-
Fabricated plate work (boiler shops) . . . . .	-	41.5	41.5	40.9	41.1	-	-	-	-	-
Sheet metal work . . . . .	-	41.6	41.2	41.3	41.1	-	-	-	-	-
Architectural and miscellaneous metal work . . . . .	-	41.6	40.8	41.1	41.7	-	-	-	-	-
Screw machine products, bolts, etc. . . . .	42.4	42.1	41.7	42.7	42.0	-	3.7	3.4	4.2	3.6
Screw machine products . . . . .	-	41.8	41.5	42.5	42.3	-	-	-	-	-
Bolts, nuts, screws, rivets, and washers . . . . .	-	42.4	41.8	42.8	41.8	-	-	-	-	-
Metal stampings . . . . .	42.1	41.6	41.6	42.0	41.9	-	3.7	3.6	4.1	3.7
Coating, engraving, and allied services . . . . .	41.3	40.7	40.4	41.5	40.6	-	3.6	3.3	3.6	3.1
Miscellaneous fabricated wire products . . . . .	41.7	40.9	40.6	41.4	41.3	-	2.8	2.8	3.2	3.0
Miscellaneous fabricated metal products . . . . .	40.4	40.6	40.5	40.8	40.3	-	2.3	2.4	2.8	2.5
Valves, pipe, and pipe fittings . . . . .	-	40.9	40.7	40.7	40.1	-	-	-	-	-
<b>MACHINERY</b> . . . . .	41.7	41.6	41.7	41.6	41.6	-	3.2	3.2	3.0	3.0
Engines and turbines . . . . .	40.3	39.9	40.6	40.4	40.3	-	2.1	2.4	2.3	2.3
Steam engines and turbines . . . . .	-	40.1	39.8	41.0	40.4	-	-	-	-	-
Internal combustion engines, n.e.c. . . . .	-	39.8	41.0	40.1	40.3	-	-	-	-	-
Farm machinery and equipment . . . . .	-	40.4	40.1	40.4	40.6	-	1.9	2.1	2.1	1.9
Construction and related machinery . . . . .	41.5	41.7	41.7	41.4	41.5	-	3.0	2.8	2.7	2.8
Construction and mining machinery . . . . .	-	41.7	41.1	40.7	41.0	-	-	-	-	-
Oil field machinery and equipment . . . . .	-	40.1	41.7	42.2	41.2	-	-	-	-	-
Conveyors, hoists, and industrial cranes . . . . .	-	43.2	44.2	42.6	43.6	-	-	-	-	-
Metalworking machinery and equipment . . . . .	42.6	42.8	43.2	42.9	42.9	-	4.7	4.9	4.2	4.5
Machine tools, metal cutting types . . . . .	-	42.6	42.8	42.7	42.6	-	-	-	-	-
Special dies, tools, jigs, and fixtures . . . . .	-	44.5	45.0	44.9	45.0	-	-	-	-	-
Machine tool accessories . . . . .	-	40.7	41.3	41.1	40.7	-	-	-	-	-
Miscellaneous metalworking machinery . . . . .	-	41.6	41.7	41.0	41.4	-	-	-	-	-
Special industry machinery . . . . .	42.3	41.9	42.0	42.5	41.9	-	3.3	3.5	3.6	3.3
Food products machinery . . . . .	-	41.6	41.4	41.9	41.5	-	-	-	-	-
Textile machinery . . . . .	-	41.2	40.8	42.7	42.1	-	-	-	-	-
General industrial machinery . . . . .	41.6	41.2	41.0	41.1	41.2	-	2.9	2.9	2.6	2.7
Pumps; air and gas compressors . . . . .	-	42.3	42.2	41.2	41.4	-	-	-	-	-
Ball and roller bearings . . . . .	-	40.5	39.7	41.2	41.3	-	-	-	-	-
Mechanical power transmission goods . . . . .	-	42.2	42.4	41.3	41.2	-	-	-	-	-
Office, computing, and accounting machines . . . . .	41.0	40.8	41.1	40.6	40.5	-	1.5	1.5	1.4	1.3
Computing machines and cash registers . . . . .	-	40.7	41.3	40.6	40.6	-	-	-	-	-
Service industry machines . . . . .	40.5	40.4	40.8	40.5	40.8	-	2.4	2.2	2.0	2.1
Refrigeration, except home refrigerators . . . . .	-	40.0	40.8	40.4	40.6	-	-	-	-	-
Miscellaneous machinery . . . . .	42.2	42.3	42.2	42.4	42.3	-	4.2	4.0	4.4	4.1
Machine shops, jobbing and repair . . . . .	-	42.7	42.4	42.4	42.5	-	-	-	-	-
Machine parts, n.e.c., except electrical . . . . .	-	41.6	41.7	42.3	42.0	-	-	-	-	-

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



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**Table C-2: Gross hours and earnings of production workers<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Durable Goods--Continued</i>										
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	\$100.28	\$98.49	\$98.89	\$99.22	\$97.20	\$2.47	\$2.45	\$2.46	\$2.42	\$2.40
Electric distribution equipment	109.59	108.92	106.11	105.22	102.97	2.66	2.65	2.62	2.56	2.53
Electric measuring instruments	-	94.71	93.36	93.90	92.46	-	2.41	2.40	2.33	2.30
Power and distribution transformers	-	108.39	109.98	107.49	105.37	-	2.65	2.65	2.59	2.57
Switchgear and switchboard apparatus	-	120.28	113.57	113.30	111.11	-	2.83	2.77	2.73	2.71
Electrical industrial apparatus	105.88	104.04	105.63	103.16	102.00	2.57	2.55	2.57	2.51	2.50
Motors and generators	-	106.49	109.15	107.33	106.24	-	2.61	2.63	2.58	2.56
Industrial controls	-	100.50	100.50	98.89	97.91	-	2.50	2.50	2.46	2.46
Household appliances	110.54	107.71	110.68	105.67	106.08	2.67	2.64	2.68	2.59	2.60
Household refrigerators and freezers	-	117.83	121.96	112.00	116.88	-	2.86	2.89	2.80	2.83
Household laundry equipment	-	110.70	115.37	111.76	111.78	-	2.72	2.76	2.68	2.70
Electric housewares and fans	-	92.23	90.87	91.71	90.57	-	2.30	2.33	2.27	2.27
Electric lighting and wiring equipment	94.66	93.15	92.86	93.25	90.68	2.32	2.30	2.31	2.28	2.25
Electric lamps	-	95.68	95.68	95.99	93.06	-	2.38	2.38	2.37	2.35
Lighting fixtures	-	94.53	95.30	96.14	90.98	-	2.30	2.33	2.30	2.23
Wiring devices	-	90.85	89.50	89.47	88.84	-	2.26	2.26	2.22	2.21
Radio and TV receiving sets	87.12	85.89	86.76	89.13	87.26	2.20	2.18	2.18	2.19	2.16
Communication equipment	108.14	106.93	105.60	108.32	105.67	2.67	2.66	2.64	2.61	2.59
Telephone and telegraph apparatus	-	106.25	103.62	110.30	107.64	-	2.63	2.61	2.62	2.60
Radio and TV communication equipment	-	106.80	106.67	107.53	104.49	-	2.67	2.66	2.61	2.58
Electronic components and accessories	83.37	81.95	81.72	83.02	81.39	2.10	2.08	2.09	2.06	2.05
Electron tubes	-	95.24	92.27	95.22	92.62	-	2.34	2.33	2.30	2.27
Electronic components, n.e.c.	-	78.00	78.78	78.60	77.42	-	2.00	2.02	1.97	1.97
Miscellaneous electrical equipment and supplies	104.70	100.80	106.49	107.49	101.40	2.56	2.52	2.61	2.59	2.51
Electrical equipment for engines	-	101.79	112.07	113.97	106.52	-	2.61	2.74	2.72	2.63
<b>TRANSPORTATION EQUIPMENT</b>	125.10	121.88	125.58	124.07	118.78	3.00	2.98	2.99	2.94	2.89
Motor vehicles and equipment	128.83	122.82	130.54	130.59	121.06	3.06	3.04	3.05	3.03	2.96
Motor vehicles	-	127.92	137.22	143.15	126.98	-	3.19	3.14	3.16	3.12
Passenger car bodies	-	124.10	137.60	132.66	123.65	-	3.40	3.23	3.22	3.22
Truck and bus bodies	-	104.92	103.82	102.31	104.83	-	2.51	2.52	2.52	2.49
Motor vehicle parts and accessories	-	122.89	128.47	124.74	119.77	-	2.99	3.03	2.97	2.90
Aircraft and parts	122.54	123.14	122.13	120.38	118.69	2.96	2.96	2.95	2.88	2.86
Aircraft	-	122.54	121.13	119.68	118.98	-	2.96	2.94	2.87	2.86
Aircraft engines and engine parts	-	122.78	123.07	120.89	118.90	-	2.98	2.98	2.92	2.90
Other aircraft parts and equipment	-	124.98	122.35	121.41	118.44	-	2.92	2.92	2.85	2.82
Ship and boat building and repairing	123.00	122.40	120.39	116.76	119.19	3.00	3.00	2.98	2.89	2.90
Ship building and repairing	-	128.43	126.67	122.01	124.84	-	3.14	3.12	3.02	3.03
Boat building and repairing	-	91.83	89.83	89.24	89.24	-	2.29	2.28	2.22	2.22
Railroad equipment	-	117.18	125.36	118.89	119.69	-	3.02	3.05	2.95	2.97
Other transportation equipment	-	93.15	94.02	88.99	89.42	-	2.25	2.26	2.16	2.16
<b>INSTRUMENTS AND RELATED PRODUCTS</b>	102.00	101.59	100.94	100.21	99.63	2.50	2.49	2.48	2.45	2.43
Engineering and scientific instruments	-	119.65	116.85	117.59	117.60	-	2.89	2.85	2.82	2.80
Mechanical measuring and control devices	102.91	102.41	101.50	98.80	98.74	2.51	2.51	2.50	2.47	2.45
Mechanical measuring devices	-	104.17	102.91	98.31	100.04	-	2.51	2.51	2.47	2.47
Automatic temperature controls	-	100.00	98.55	99.23	96.56	-	2.50	2.47	2.45	2.42
Optical and ophthalmic goods	92.32	92.13	92.13	89.84	88.78	2.23	2.22	2.22	2.17	2.16
Surgical, medical, and dental equipment	86.88	85.65	85.65	85.27	85.07	2.14	2.12	2.12	2.09	2.08
Photographic equipment and supplies	(2)	113.15	114.80	113.02	112.19	(2)	2.78	2.80	2.73	2.71
Watches and clocks	-	83.95	82.32	84.00	83.41	-	2.12	2.10	2.10	2.08
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>	80.80	80.00	79.18	78.60	77.81	2.02	2.01	2.02	1.96	1.96
Jewelry, silverware, and plated ware	89.54	87.23	86.29	85.26	83.58	2.20	2.17	2.19	2.10	2.10
Toys, amusement, and sporting goods	-	71.94	71.42	71.68	70.74	-	1.84	1.86	1.81	1.80
Toys, games, dolls, and play vehicles	-	70.38	70.07	68.95	68.21	-	1.80	1.82	1.75	1.74
Sporting and athletic goods, n.e.c.	-	75.85	74.30	78.00	76.63	-	1.94	1.94	1.95	1.94
Pens, pencils, office and art materials	-	79.97	77.81	75.52	74.61	-	1.96	1.96	1.87	1.87
Costume jewelry, buttons, and notions	-	73.82	71.16	71.64	70.88	-	1.85	1.82	1.80	1.79
Other manufacturing industries	87.64	87.02	86.15	85.86	84.40	2.18	2.17	2.17	2.12	2.11
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b>	95.22	93.75	95.63	92.57	91.05	2.30	2.27	2.31	2.22	2.21
Meat products	105.42	99.39	100.94	98.98	97.61	2.51	2.43	2.45	2.42	2.41
Meat packing	-	116.62	117.88	116.76	114.26	-	2.79	2.80	2.78	2.74
Sausages and other prepared meats	-	109.88	111.35	108.45	107.10	-	2.61	2.62	2.57	2.55
Poultry dressing and packing	-	55.77	55.92	54.58	52.62	-	1.46	1.46	1.44	1.43

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

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

Industry	Average weekly hours					Average overtime hours				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Durable Goods--Continued</i>										
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b> . . . . .	40.6	40.2	40.2	41.0	40.5	-	2.1	2.0	2.5	2.1
Electric distribution equipment . . . . .	41.2	41.1	40.5	41.1	40.7	-	2.5	2.1	2.4	2.0
Electric measuring instruments . . . . .	-	39.3	38.9	40.3	40.2	-	-	-	-	-
Power and distribution transformers . . . . .	-	40.9	41.5	41.5	41.0	-	-	-	-	-
Switchgear and switchboard apparatus . . . . .	-	42.5	41.0	41.5	41.0	-	-	-	-	-
Electrical industrial apparatus . . . . .	41.2	40.8	41.1	41.1	40.8	-	2.3	2.5	2.3	2.1
Motors and generators . . . . .	-	40.8	41.5	41.6	41.5	-	-	-	-	-
Industrial controls . . . . .	-	40.2	40.2	40.2	39.8	-	-	-	-	-
Household appliances . . . . .	41.4	40.8	41.3	40.8	40.8	-	2.4	2.7	2.0	2.1
Household refrigerators and freezers . . . . .	-	41.2	42.2	40.0	41.3	-	-	-	-	-
Household laundry equipment . . . . .	-	40.7	41.8	41.7	41.4	-	-	-	-	-
Electric housewares and fans . . . . .	-	40.1	39.0	40.4	39.9	-	-	-	-	-
Electric lighting and wiring equipment . . . . .	40.8	40.5	40.2	40.9	40.3	-	2.2	2.0	2.4	1.8
Electric lamps . . . . .	-	40.2	40.2	40.5	39.6	-	-	-	-	-
Lighting fixtures . . . . .	-	41.1	40.9	41.8	40.8	-	-	-	-	-
Wiring devices . . . . .	-	40.2	39.6	40.3	40.2	-	-	-	-	-
Radio and TV receiving sets . . . . .	39.6	39.4	39.8	40.7	40.4	-	2.0	2.0	2.6	2.4
Communication equipment . . . . .	40.5	40.2	40.0	41.5	40.8	-	1.9	1.5	3.0	2.3
Telephone and telegraph apparatus . . . . .	-	40.4	39.7	42.1	41.4	-	-	-	-	-
Radio and TV communication equipment . . . . .	-	40.0	40.1	41.2	40.5	-	-	-	-	-
Electronic components and accessories . . . . .	39.7	39.4	39.1	40.3	39.7	-	1.7	1.7	2.1	1.9
Electron tubes . . . . .	-	40.7	39.6	41.4	40.8	-	-	-	-	-
Electronic components, n.e.c. . . . .	-	39.0	39.0	39.9	39.3	-	-	-	-	-
Miscellaneous electrical equipment and supplies . . . . .	40.9	40.0	40.8	41.5	40.4	-	2.0	2.2	2.9	2.3
Electrical equipment for engines . . . . .	-	39.0	40.9	41.9	40.5	-	-	-	-	-
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	41.7	40.9	42.0	42.2	41.1	-	3.0	3.3	3.6	3.1
Motor vehicles and equipment . . . . .	42.1	40.4	42.8	43.1	40.9	-	3.4	4.0	4.5	3.6
Motor vehicles . . . . .	-	40.1	43.7	45.3	40.7	-	-	-	-	-
Passenger car bodies . . . . .	-	36.5	42.6	41.2	38.4	-	-	-	-	-
Truck and bus bodies . . . . .	-	41.8	41.2	40.6	42.1	-	-	-	-	-
Motor vehicle parts and accessories . . . . .	-	41.1	42.4	42.0	41.3	-	-	-	-	-
Aircraft and parts . . . . .	41.4	41.6	41.4	41.8	41.5	-	2.6	2.5	3.0	2.7
Aircraft . . . . .	-	41.4	41.2	41.7	41.6	-	-	-	-	-
Aircraft engines and engine parts . . . . .	-	41.2	41.3	41.4	41.0	-	-	-	-	-
Other aircraft parts and equipment . . . . .	-	42.8	41.9	42.6	42.0	-	-	-	-	-
Ship and boat building and repairing . . . . .	41.0	40.8	40.4	40.4	41.1	-	3.0	2.4	2.5	3.1
Ship building and repairing . . . . .	-	40.9	40.6	40.4	41.2	-	-	-	-	-
Boat building and repairing . . . . .	-	40.1	39.4	40.2	40.2	-	-	-	-	-
Railroad equipment . . . . .	-	38.8	41.1	40.3	40.3	-	2.0	2.5	1.7	2.1
Other transportation equipment . . . . .	-	41.4	41.6	41.2	41.4	-	3.1	3.8	3.1	3.4
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	40.8	40.8	40.7	40.9	41.0	-	2.4	2.2	2.5	2.3
Engineering and scientific instruments . . . . .	-	41.4	41.0	41.7	42.0	-	3.0	2.1	2.9	2.7
Mechanical measuring and control devices . . . . .	41.0	40.8	40.6	40.0	40.3	-	2.5	2.5	2.3	2.3
Mechanical measuring devices . . . . .	-	41.5	41.0	39.8	40.5	-	-	-	-	-
Automatic temperature controls . . . . .	-	40.0	39.9	40.5	39.9	-	-	-	-	-
Optical and ophthalmic goods . . . . .	41.4	41.5	41.5	41.4	41.1	-	2.1	2.3	2.5	1.9
Surgical, medical, and dental equipment . . . . .	40.6	40.4	40.4	40.8	40.9	-	2.3	1.9	2.5	2.5
Photographic equipment and supplies . . . . .	(2)	40.7	41.0	41.4	41.4	-	2.1	2.4	2.7	2.5
Watches and clocks . . . . .	-	39.6	39.2	40.0	40.1	-	2.2	1.9	2.1	1.9
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	40.0	39.8	39.2	40.1	39.7	-	2.3	1.9	2.6	2.3
Jewelry, silverware, and plated ware . . . . .	40.7	40.2	39.4	40.6	39.8	-	2.6	2.4	3.2	2.7
Toys, amusement, and sporting goods . . . . .	-	39.1	38.4	39.6	39.3	-	2.1	1.6	2.4	1.9
Toys, games, dolls, and play vehicles . . . . .	-	39.1	38.5	39.4	39.2	-	-	-	-	-
Sporting and athletic goods, n.e.c. . . . .	-	39.1	38.3	40.0	39.5	-	-	-	-	-
Pens, pencils, office and art materials . . . . .	-	40.8	39.7	40.3	39.9	-	2.3	1.8	2.2	2.2
Costume jewelry, buttons, and notions . . . . .	-	39.9	39.1	39.8	39.6	-	2.2	2.0	2.1	2.4
Other manufacturing industries . . . . .	40.2	40.1	39.7	40.5	40.0	-	2.3	2.0	3.0	2.6
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	41.4	41.3	41.4	41.7	41.2	-	3.5	3.8	3.8	3.4
Meat products . . . . .	42.0	40.9	41.2	40.9	40.5	-	3.5	3.8	3.7	3.0
Meat packing . . . . .	-	41.8	42.1	42.0	41.7	-	-	-	-	-
Sausages and other prepared meats . . . . .	-	42.1	42.5	42.2	42.0	-	-	-	-	-
Poultry dressing and packing . . . . .	-	38.2	38.3	37.9	36.8	-	-	-	-	-

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

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

Industry	Average weekly earnings					Average hourly earnings				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Nondurable Goods--Continued</i>										
<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
Dairy products	\$101.20	\$99.45	\$99.92	\$98.01	\$95.63	\$2.37	\$2.34	\$2.34	\$2.29	\$2.25
Ice cream and frozen desserts	-	95.76	97.63	93.96	90.45	-	2.33	2.33	2.32	2.25
Fluid milk	-	103.76	104.00	103.29	100.82	-	2.43	2.43	2.38	2.35
Canned and preserved food, except meats	-	78.00	75.08	78.69	75.81	-	1.95	1.93	1.91	1.90
Canned, cured and frozen sea foods	-	77.33	71.20	61.94	66.24	-	2.09	1.94	1.90	1.92
Canned food, except sea foods	-	80.18	78.38	83.38	78.76	-	1.97	1.94	1.93	1.94
Frozen food, except sea foods	-	71.69	66.60	73.63	71.28	-	1.77	1.80	1.77	1.73
Grain mill products	107.12	105.75	107.87	104.20	103.06	2.37	2.35	2.35	2.29	2.26
Flour and other grain mill products	-	117.13	115.87	115.12	110.90	-	2.58	2.53	2.53	2.47
Prepared feeds for animals and fowls	-	92.12	95.74	91.68	92.04	-	1.96	1.97	1.91	1.89
Bakery products	94.30	94.37	96.17	93.89	92.62	2.34	2.33	2.34	2.29	2.27
Bread, cake, and perishable products	-	95.58	98.06	95.12	94.30	-	2.36	2.38	2.32	2.30
Biscuit, crackers, and pretzels	-	89.69	90.39	89.35	85.39	-	2.22	2.21	2.19	2.14
Sugar	-	105.41	107.26	102.75	102.83	-	2.54	2.56	2.47	2.46
Confectionery and related products	83.02	79.20	79.60	80.12	77.78	2.02	1.98	2.01	1.94	1.93
Candy and other confectionery products	-	74.64	74.49	76.63	74.19	-	1.88	1.91	1.86	1.85
Beverages	108.53	108.99	112.25	105.71	104.30	2.66	2.62	2.66	2.61	2.55
Malt liquors	-	136.46	143.31	134.34	132.40	-	3.42	3.47	3.35	3.31
Bottled and canned soft drinks	-	83.22	84.04	75.42	76.97	-	1.87	1.88	1.80	1.79
Miscellaneous food and kindred products	93.88	94.53	93.66	91.81	91.59	2.23	2.24	2.23	2.14	2.15
<b>TOBACCO MANUFACTURES</b>										
Cigarettes	67.86	73.60	78.76	70.97	68.04	1.74	1.84	2.03	1.71	1.80
Cigars	-	97.47	93.37	93.03	89.38	-	2.36	2.34	2.32	2.28
Cigars	-	62.24	60.42	59.82	59.28	-	1.60	1.59	1.57	1.56
<b>TEXTILE MILL PRODUCTS</b>										
Cotton broad woven fabrics	70.00	69.19	68.68	68.11	68.21	1.72	1.70	1.70	1.69	1.68
Silk and synthetic broad woven fabrics	68.06	68.23	66.66	65.27	66.99	1.66	1.66	1.65	1.64	1.65
Weaving and finishing broad woolens	73.60	73.70	73.10	73.35	74.04	1.74	1.73	1.72	1.73	1.73
Narrow fabrics and smallwares	75.03	73.89	76.49	76.80	77.96	1.83	1.82	1.83	1.82	1.83
Knitting	71.75	70.47	71.28	71.45	70.76	1.75	1.74	1.73	1.73	1.73
Full-fashioned hosiery	65.46	64.22	62.76	62.15	62.24	1.67	1.63	1.63	1.61	1.60
Seamless hosiery	-	62.24	57.35	58.50	57.51	-	1.60	1.58	1.56	1.55
Knit underwear	-	59.52	58.59	56.39	57.83	-	1.55	1.55	1.52	1.51
Knit underwear	-	68.16	67.47	67.20	66.59	-	1.73	1.73	1.71	1.69
Finishing textiles, except wool and knit	-	60.98	58.90	60.83	60.13	-	1.54	1.55	1.54	1.53
Floor covering	79.15	77.83	75.89	76.59	75.26	1.88	1.88	1.86	1.85	1.84
Yarn and thread	-	75.78	73.75	75.15	73.60	-	1.80	1.79	1.76	1.74
Miscellaneous textile goods	63.11	63.27	63.90	61.85	62.37	1.57	1.57	1.57	1.55	1.54
	81.77	80.75	80.95	79.32	78.72	1.98	1.96	1.96	1.93	1.92
<b>APPAREL AND RELATED PRODUCTS</b>										
Men's and boys' suits and coats	64.25	62.95	61.71	62.05	62.36	1.77	1.72	1.70	1.70	1.69
Men's and boys' furnishings	78.23	77.07	74.37	74.09	73.89	2.12	2.10	2.06	1.96	1.96
Men's and boys' shirts and nightwear	54.58	54.58	54.58	54.48	54.81	1.52	1.44	1.44	1.43	1.42
Men's and boys' separate trousers	-	52.64	53.02	54.71	54.49	-	1.40	1.41	1.41	1.39
Work clothing	-	55.71	55.54	54.77	55.52	-	1.47	1.45	1.43	1.42
Women's, misses', and juniors' outerwear	53.24	53.10	53.10	51.57	51.51	-	1.39	1.39	1.39	1.37
Women's blouses, waists, and shirts	66.98	66.78	65.17	65.23	67.16	1.97	1.93	1.90	1.93	1.93
Women's, misses', and juniors' dresses	-	54.83	54.95	54.76	55.49	-	1.58	1.57	1.56	1.55
Women's suits, skirts, and coats	-	65.38	63.03	62.66	64.08	-	1.94	1.91	1.94	1.93
Women's and misses' outerwear, n.e.c.	-	83.54	82.01	81.63	85.08	-	2.34	2.31	2.38	2.37
Women's and children's undergarments	-	57.24	56.36	58.14	58.88	-	1.59	1.57	1.58	1.57
Women's and children's underwear	60.42	58.28	55.94	57.22	56.47	1.59	1.55	1.52	1.53	1.51
Corsets and allied garments	-	55.86	54.02	55.13	54.52	-	1.47	1.46	1.47	1.45
Hats, caps, and millinery	-	62.73	60.06	60.68	60.31	-	1.70	1.65	1.64	1.63
Girls' and children's outerwear	-	68.07	66.79	66.79	68.81	-	1.87	1.85	1.84	1.83
Children's dresses, blouses, and shirts	57.08	56.11	56.15	54.93	55.69	1.59	1.55	1.53	1.53	1.53
Fur goods and miscellaneous apparel	-	55.59	56.00	52.40	53.20	-	1.54	1.53	1.51	1.52
Miscellaneous fabricated textile products	-	65.50	64.62	66.25	64.78	-	1.78	1.80	1.81	1.77
Housefurnishings	68.99	66.78	64.53	65.28	64.39	1.76	1.73	1.73	1.70	1.69
	-	59.21	57.35	58.91	57.76	-	1.55	1.55	1.53	1.52
<b>PAPER AND ALLIED PRODUCTS</b>										
Paper and pulp	107.25	107.07	106.82	104.49	103.39	2.50	2.49	2.49	2.43	2.41
Paperboard	118.80	119.61	120.42	114.06	113.36	2.70	2.70	2.70	2.61	2.60
Converted paper and paperboard products	117.78	120.39	122.03	116.77	117.64	2.72	2.73	2.73	2.63	2.62
Bags, except textile bags	94.24	93.60	92.74	92.13	91.52	2.26	2.25	2.24	2.22	2.20
Paperboard containers and boxes	-	87.74	88.38	86.52	85.70	-	2.14	2.14	2.10	2.08
Folding and setup paperboard boxes	99.41	98.09	96.05	97.78	95.37	2.35	2.33	2.32	2.29	2.26
Corrugated and solid fiber boxes	-	87.76	85.65	85.08	84.46	-	2.13	2.12	2.07	2.06
	-	108.81	105.22	108.49	105.46	-	2.49	2.47	2.46	2.43

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

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

Industry	Average weekly hours					Average overtime hours				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Nonurable Goods--Continued</i>										
<b>FOOD AND KINDRED PRODUCTS--Continued</b>										
Dairy products . . . . .	42.7	42.5	42.7	42.8	42.5	-	3.2	3.6	3.7	3.4
Ice cream and frozen desserts . . . . .	-	41.1	41.9	40.5	40.2	-	-	-	-	-
Fluid milk . . . . .	-	42.7	42.8	43.4	42.9	-	-	-	-	-
Canned and preserved food, except meats . . . . .	-	40.0	38.9	41.2	39.9	-	2.7	2.5	3.4	2.5
Canned, cured and frozen sea foods . . . . .	-	37.0	36.7	32.6	34.5	-	-	-	-	-
Canned food, except sea foods . . . . .	-	40.7	40.4	43.2	40.6	-	-	-	-	-
Frozen food, except sea foods . . . . .	-	40.5	37.0	41.6	41.2	-	-	-	-	-
Grain mill products . . . . .	45.2	45.0	45.9	45.5	45.6	-	6.8	7.5	7.1	7.1
Flour and other grain mill products . . . . .	-	45.4	45.8	45.5	44.9	-	-	-	-	-
Prepared feeds for animals and fowls . . . . .	-	47.0	48.6	48.0	48.7	-	-	-	-	-
Bakery products . . . . .	40.3	40.5	41.1	41.0	40.8	-	3.2	3.5	3.6	3.3
Bread, cake, and perishable products . . . . .	-	40.5	41.2	41.0	41.0	-	-	-	-	-
Biscuit, crackers, and pretzels . . . . .	-	40.4	40.9	40.8	39.9	-	-	-	-	-
Sugar . . . . .	-	41.5	41.9	41.6	41.8	-	3.4	3.8	4.5	4.2
Confectionery and related products . . . . .	41.1	40.0	39.6	41.3	40.3	-	2.5	2.1	3.4	2.6
Candy and other confectionery products . . . . .	-	39.7	39.0	41.2	40.1	-	-	-	-	-
Beverages . . . . .	40.8	41.6	42.2	40.5	40.9	-	3.7	4.4	3.1	3.0
Malt liquors . . . . .	-	39.9	41.3	40.1	40.0	-	-	-	-	-
Bottled and canned soft drinks . . . . .	-	44.5	44.7	41.9	43.0	-	-	-	-	-
Miscellaneous food and kindred products . . . . .	42.1	42.2	42.7	42.9	42.6	-	4.0	4.0	4.1	3.9
<b>TOBACCO MANUFACTURES . . . . .</b>										
Cigarettes . . . . .	39.0	40.0	38.8	41.5	37.8	-	1.4	1.4	1.6	1.0
Cigars . . . . .	-	41.3	39.9	40.1	39.2	-	1.9	1.8	1.4	.8
Cigars . . . . .	-	38.9	38.0	38.1	38.0	-	1.5	1.1	1.3	1.2
<b>TEXTILE MILL PRODUCTS . . . . .</b>										
Cotton broad woven fabrics . . . . .	40.7	40.7	40.4	40.3	40.6	-	3.3	3.1	3.0	3.2
Silk and synthetic broad woven fabrics . . . . .	41.0	41.1	40.4	39.8	40.6	-	3.4	2.9	2.8	3.0
Weaving and finishing broad woolsens . . . . .	42.3	42.6	42.5	42.4	42.8	-	4.3	3.9	4.2	4.4
Narrow fabrics and smallwares . . . . .	41.0	40.6	41.8	42.2	42.6	-	3.3	3.8	3.7	4.1
Knitting . . . . .	41.0	40.5	41.2	41.3	40.9	-	2.8	3.2	3.2	3.3
Full-fashioned hosiery . . . . .	39.2	39.4	38.5	38.6	38.9	-	2.7	2.4	2.3	2.3
Seamless hosiery . . . . .	-	38.9	36.3	37.5	37.1	-	-	-	-	-
Knit outerwear . . . . .	-	38.4	37.8	37.1	38.3	-	-	-	-	-
Knit underwear . . . . .	-	39.4	39.0	39.3	39.4	-	-	-	-	-
Finishing textiles, except wool and knit . . . . .	-	39.6	38.0	39.5	39.3	-	-	-	-	-
Floor covering . . . . .	42.1	41.4	40.8	41.4	40.9	-	3.6	3.3	3.7	3.3
Yarn and thread . . . . .	-	42.1	41.2	42.7	42.3	-	4.4	4.1	4.7	4.9
Miscellaneous textile goods . . . . .	40.2	40.3	40.7	39.9	40.5	-	3.0	3.1	2.8	3.2
Miscellaneous textile goods . . . . .	41.3	41.2	41.3	41.1	41.0	-	3.5	3.5	3.4	3.2
<b>APPAREL AND RELATED PRODUCTS . . . . .</b>										
Men's and boys' suits and coats . . . . .	36.3	36.6	36.3	36.5	36.9	-	1.4	1.3	1.5	1.5
Men's and boys' furnishings . . . . .	36.9	36.7	36.1	37.8	37.7	-	1.1	.8	1.3	1.2
Men's and boys' shirts and nightwear . . . . .	37.2	37.9	37.9	38.1	38.6	-	1.4	1.3	1.4	1.6
Men's and boys' separate trousers . . . . .	-	37.6	37.6	38.8	39.2	-	-	-	-	-
Work clothing . . . . .	-	37.9	38.3	38.3	39.1	-	-	-	-	-
Women's, misses', and juniors' outerwear . . . . .	-	38.3	38.2	37.1	37.6	-	-	-	-	-
Women's blouses, waists, and shirts . . . . .	34.0	34.6	34.3	33.8	34.8	-	1.3	1.4	1.4	1.6
Women's, misses', and juniors' dresses . . . . .	-	34.7	35.0	35.1	35.8	-	-	-	-	-
Women's suits, skirts, and coats . . . . .	-	33.7	33.0	32.3	33.2	-	-	-	-	-
Women's and misses' outerwear, n.e.c . . . . .	-	35.7	35.5	34.3	35.9	-	-	-	-	-
Women's and children's undergarments . . . . .	-	36.0	35.9	36.8	37.5	-	-	-	-	-
Women's and children's underwear . . . . .	38.0	37.6	36.8	37.4	37.4	-	1.6	1.4	1.6	1.5
Corsets and allied garments . . . . .	-	38.0	37.0	37.5	37.6	-	-	-	-	-
Hats, caps, and millinery . . . . .	-	36.9	36.4	37.0	37.0	-	-	-	-	-
Girls' and children's outerwear . . . . .	-	36.4	36.1	36.3	37.6	-	1.6	1.4	1.2	1.6
Children's dresses, blouses, and shirts . . . . .	35.9	36.2	36.7	35.9	36.4	-	1.5	1.5	1.1	1.6
Fur goods and miscellaneous apparel . . . . .	-	36.1	36.6	34.7	35.0	-	-	-	-	-
Miscellaneous fabricated textile products . . . . .	-	36.8	35.9	36.6	36.6	-	1.2	1.0	1.3	1.1
Housefurnishings . . . . .	39.2	38.6	37.3	38.4	38.1	-	2.0	1.5	2.1	1.8
Housefurnishings . . . . .	-	38.2	37.0	38.5	38.0	-	-	-	-	-
<b>PAPER AND ALLIED PRODUCTS . . . . .</b>										
Paper and pulp . . . . .	42.9	43.0	42.9	43.0	42.9	-	4.6	4.8	4.8	4.5
Paperboard . . . . .	44.0	44.3	44.6	43.7	43.6	-	5.6	5.9	5.3	5.2
Converted paper and paperboard products . . . . .	43.3	44.1	44.7	44.4	44.9	-	5.6	6.8	6.4	5.9
Bags, except textile bags . . . . .	41.7	41.6	41.4	41.5	41.6	-	3.4	3.2	3.3	3.4
Paperboard containers and boxes . . . . .	-	41.0	41.3	41.2	41.2	-	-	-	-	-
Folding and setup paperboard boxes . . . . .	42.3	42.1	41.4	42.7	42.2	-	4.1	3.8	4.7	4.1
Corrugated and solid fiber boxes . . . . .	-	41.2	40.4	41.1	41.0	-	-	-	-	-
Corrugated and solid fiber boxes . . . . .	-	43.7	42.6	44.1	43.4	-	-	-	-	-

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

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**Table C-2: Gross hours and earnings of production workers,<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Non-durable Goods--Continued</i>										
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES . . . . .</b>	\$112.71	\$111.27	\$110.02	\$109.24	\$108.29	\$2.92	\$2.89	\$2.88	\$2.83	\$2.82
Newspaper publishing and printing . . . . .	113.98	112.58	111.91	111.75	109.99	3.14	3.11	3.10	3.07	3.03
Periodical publishing and printing . . . . .	-	117.27	118.78	117.86	115.54	-	2.91	2.94	2.91	2.86
Books . . . . .	-	109.56	105.78	102.16	101.18	-	2.59	2.58	2.51	2.48
Commercial printing . . . . .	115.63	112.71	112.03	111.39	110.54	2.92	2.89	2.88	2.82	2.82
Commercial printing, except lithographic . . . . .	-	110.19	109.13	108.47	107.09	-	2.84	2.82	2.76	2.76
Commercial printing, lithographic . . . . .	-	120.00	118.50	118.30	118.59	-	3.00	3.00	2.95	2.95
Bookbinding and related industries . . . . .	87.85	88.53	87.40	88.53	87.30	2.27	2.27	2.27	2.23	2.21
Other publishing and printing industries . . . . .	113.75	114.64	113.37	110.59	109.73	2.97	2.97	2.96	2.88	2.88
<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	113.71	112.75	113.98	110.81	110.12	2.74	2.73	2.74	2.67	2.66
Industrial chemicals . . . . .	127.93	127.51	128.33	125.52	124.09	3.09	3.08	3.07	3.01	2.99
Plastics and synthetics, except glass . . . . .	112.74	112.05	114.09	109.82	109.41	2.71	2.70	2.71	2.64	2.63
Plastics and synthetics, except fibers . . . . .	-	120.54	121.54	117.74	117.74	-	2.87	2.88	2.79	2.79
Synthetic fibers . . . . .	-	102.18	105.08	99.87	99.46	-	2.48	2.49	2.43	2.42
Drugs . . . . .	102.09	99.38	99.54	98.57	98.23	2.49	2.46	2.47	2.41	2.39
Pharmaceutical preparations . . . . .	-	95.04	95.35	93.67	93.26	-	2.40	2.42	2.33	2.32
Soap, cleaners, and toilet goods . . . . .	107.68	107.94	106.75	106.14	105.06	2.62	2.62	2.61	2.57	2.55
Soap and detergents . . . . .	-	131.44	130.51	129.13	128.29	-	3.10	3.10	3.06	3.04
Toilet preparations . . . . .	-	85.81	84.10	86.90	85.44	-	2.14	2.14	2.13	2.12
Paints, varnishes, and allied products . . . . .	105.98	106.24	107.84	101.75	102.34	2.56	2.56	2.58	2.50	2.49
Agricultural chemicals . . . . .	94.60	91.10	91.74	90.10	87.13	2.20	2.19	2.20	2.12	2.12
Fertilizers, complete and mixing only . . . . .	-	87.99	88.83	86.28	82.82	-	2.11	2.12	2.03	2.02
Other chemical products . . . . .	108.21	107.74	109.56	105.75	104.67	2.62	2.59	2.59	2.53	2.51
<b>PETROLEUM REFINING AND RELATED INDUSTRIES . . . . .</b>	133.67	130.21	133.98	131.09	126.35	3.16	3.13	3.16	3.07	3.03
Petroleum refining . . . . .	139.28	134.06	138.94	135.24	129.34	3.34	3.31	3.34	3.22	3.17
Other petroleum and coal products . . . . .	113.99	116.22	115.26	115.32	113.40	2.55	2.56	2.55	2.54	2.52
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS . . . . .</b>	102.59	100.86	100.04	101.19	99.80	2.49	2.46	2.47	2.45	2.44
Tires and inner tubes . . . . .	138.77	133.09	130.73	131.78	131.70	3.36	3.27	3.26	3.23	3.22
Other rubber products . . . . .	97.03	96.22	94.40	96.88	94.83	2.39	2.37	2.36	2.34	2.33
Miscellaneous plastic products . . . . .	89.03	88.61	87.76	86.53	85.90	2.13	2.13	2.13	2.09	2.09
<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	67.14	67.06	66.12	64.36	65.53	1.80	1.76	1.74	1.73	1.72
Leather tanning and finishing . . . . .	91.71	89.82	90.23	88.26	87.82	2.27	2.24	2.25	2.19	2.19
Foot wear, except rubber . . . . .	64.40	64.98	64.39	61.69	63.67	1.75	1.71	1.69	1.69	1.68
Other leather products . . . . .	65.80	65.02	63.07	62.54	62.37	1.75	1.72	1.70	1.65	1.65
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>										
<b>RAILROAD TRANSPORTATION:</b>										
Class I railroads <sup>2</sup> . . . . .	-	(2)	(2)	114.26	118.21	-	(2)	(2)	2.78	2.73
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
Local and suburban transportation . . . . .	-	103.76	103.09	99.59	100.39	-	2.43	2.42	2.36	2.34
Intercity and rural bus lines . . . . .	-	135.53	133.44	124.32	128.24	-	2.94	2.92	2.80	2.80
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .</b>	-	119.71	118.85	116.20	115.78	-	2.83	2.85	2.76	2.75
<b>PIPELINE TRANSPORTATION . . . . .</b>	-	135.27	138.65	135.05	130.09	-	3.34	3.39	3.31	3.22
<b>COMMUNICATION:</b>										
Telephone communication . . . . .	-	102.26	102.36	102.31	99.29	-	2.55	2.54	2.52	2.47
Switchboard operating employees <sup>3</sup> . . . . .	-	77.21	77.46	77.90	75.78	-	2.07	2.06	2.05	2.01
Line construction employees <sup>4</sup> . . . . .	-	146.62	145.28	145.41	141.38	-	3.28	3.25	3.21	3.17
Telegraph communication <sup>5</sup> . . . . .	-	112.71	112.98	109.98	110.08	-	2.69	2.69	2.60	2.59
Radio and television broadcasting . . . . .	-	131.66	132.10	130.81	126.10	-	3.35	3.37	3.32	3.25
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	-	121.13	121.13	118.53	116.44	-	2.94	2.94	2.87	2.84
Electric companies and systems . . . . .	-	122.96	124.09	120.06	118.82	-	2.97	2.99	2.90	2.87
Gas companies and systems . . . . .	-	111.65	111.93	111.10	106.92	-	2.75	2.75	2.69	2.64
Combined utility systems . . . . .	-	131.75	130.19	127.82	125.97	-	3.19	3.16	3.11	3.08
Water, steam, and sanitary systems . . . . .	-	97.88	97.64	96.88	94.66	-	2.37	2.37	2.34	2.32

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

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

Industry	Average weekly hours					Average overtime hours				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<i>Nondurable Goods--Continued</i>										
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES . . . . .</b>	<b>38.6</b>	<b>38.5</b>	<b>38.2</b>	<b>38.6</b>	<b>38.4</b>	-	2.8	2.6	3.1	2.9
Newspaper publishing and printing . . . . .	36.3	36.2	36.1	36.4	36.3	-	2.2	2.3	2.7	2.5
Periodical publishing and printing . . . . .	-	40.3	40.4	40.5	40.4	-	3.6	3.3	4.3	3.3
Books . . . . .	-	42.3	41.0	40.7	40.8	-	5.1	3.9	3.6	3.6
Commercial printing . . . . .	39.6	39.0	38.9	39.5	39.2	-	2.9	2.7	3.2	3.0
Commercial printing, except lithographic . . . . .	-	38.8	38.7	39.3	38.8	-	-	-	-	-
Commercial printing, lithographic . . . . .	-	40.0	39.5	40.1	40.2	-	-	-	-	-
Bookbinding and related industries . . . . .	38.7	39.0	38.5	39.7	39.5	-	2.3	2.1	3.2	2.7
Other publishing and printing industries . . . . .	38.3	38.6	38.3	38.4	38.1	-	2.6	2.4	2.7	2.8
<b>CHEMICALS AND ALLIED PRODUCTS . . . . .</b>	<b>41.5</b>	<b>41.3</b>	<b>41.6</b>	<b>41.5</b>	<b>41.4</b>	-	2.5	2.6	2.7	2.4
Industrial chemicals . . . . .	41.4	41.4	41.8	41.7	41.5	-	2.5	2.6	2.6	2.4
Plastics and synthetics, except glass . . . . .	41.6	41.5	42.1	41.6	41.6	-	2.4	2.5	2.3	2.2
Plastics and synthetics, except fibers . . . . .	-	42.0	42.2	42.2	42.2	-	-	-	-	-
Synthetic fibers . . . . .	-	41.2	42.2	41.1	41.1	-	-	-	-	-
Drugs . . . . .	41.0	40.4	40.3	40.9	41.1	-	2.0	2.2	2.5	2.3
Pharmaceutical preparations . . . . .	-	39.6	39.4	40.2	40.2	-	-	-	-	-
Soap, cleaners, and toilet goods . . . . .	41.1	41.2	40.9	41.3	41.2	-	2.7	2.3	3.2	2.8
Soap and detergents . . . . .	-	42.4	42.1	42.2	42.2	-	-	-	-	-
Toilet preparations . . . . .	-	41.0	39.3	40.8	40.3	-	-	-	-	-
Paints, varnishes, and allied products . . . . .	41.4	41.5	41.8	40.7	41.1	-	2.5	2.9	2.3	2.3
Agricultural chemicals . . . . .	43.0	41.6	41.7	42.5	41.1	-	3.1	3.0	3.8	2.5
Fertilizers, complete and mixing only . . . . .	-	41.7	41.9	42.5	41.0	-	-	-	-	-
Other chemical products . . . . .	41.3	41.6	42.3	41.8	41.7	-	2.9	2.9	2.8	2.8
<b>PETROLEUM REFINING AND RELATED INDUSTRIES . . . . .</b>	<b>42.3</b>	<b>41.6</b>	<b>42.4</b>	<b>42.7</b>	<b>41.7</b>	-	2.5	2.9	3.0	2.2
Petroleum refining . . . . .	41.7	40.5	41.6	42.0	40.8	-	1.4	2.0	2.0	1.3
Other petroleum and coal products . . . . .	44.7	45.4	45.2	45.4	45.0	-	6.6	6.2	6.5	5.9
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS . . . . .</b>	<b>41.2</b>	<b>41.0</b>	<b>40.5</b>	<b>41.3</b>	<b>40.9</b>	-	3.1	2.9	3.3	3.1
Tires and inner tubes . . . . .	41.3	40.7	40.1	40.8	40.9	-	3.5	3.2	3.6	3.5
Other rubber products . . . . .	40.6	40.6	40.0	41.4	40.7	-	2.6	2.3	3.2	2.9
Miscellaneous plastic products . . . . .	41.8	41.6	41.2	41.4	41.1	-	3.6	3.5	3.4	3.0
<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	<b>37.3</b>	<b>38.1</b>	<b>38.0</b>	<b>37.2</b>	<b>38.1</b>	-	1.7	1.3	1.4	1.5
Leather tanning and finishing . . . . .	40.4	40.1	40.1	40.3	40.1	-	2.8	2.6	2.8	2.8
Foot wear, except rubber . . . . .	36.8	38.0	38.1	36.5	37.9	-	1.5	1.2	1.0	1.2
Other leather products . . . . .	37.6	37.8	37.1	37.9	37.8	-	1.8	1.3	1.8	1.8
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>										
<b>RAILROAD TRANSPORTATION:</b>										
Class I railroads <sup>2</sup> . . . . .	-	(2)	(2)	41.1	43.3	-	-	-	-	-
<b>LOCAL AND INTERURBAN PASSENGER TRANSIT:</b>										
Local and suburban transportation . . . . .	-	42.7	42.6	42.2	42.9	-	-	-	-	-
Intercity and rural bus lines . . . . .	-	46.1	45.7	44.4	45.8	-	-	-	-	-
<b>MOTOR FREIGHT TRANSPORTATION AND STORAGE . . . . .</b>										
-	-	42.3	41.7	42.1	42.1	-	-	-	-	-
<b>PIPELINE TRANSPORTATION . . . . .</b>										
-	-	40.5	40.9	40.8	40.4	-	-	-	-	-
<b>COMMUNICATION:</b>										
Telephone communication . . . . .	-	40.1	40.3	40.6	40.2	-	-	-	-	-
Switchboard operating employees <sup>3</sup> . . . . .	-	37.3	37.6	38.0	37.7	-	-	-	-	-
Line construction employees <sup>4</sup> . . . . .	-	44.7	44.7	45.3	44.6	-	-	-	-	-
Telegraph communication <sup>5</sup> . . . . .	-	41.9	42.0	42.3	42.5	-	-	-	-	-
Radio and television broadcasting . . . . .	-	39.3	39.2	39.4	38.8	-	-	-	-	-
<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>										
Electric companies and systems . . . . .	-	41.2	41.2	41.3	41.0	-	-	-	-	-
Gas companies and systems . . . . .	-	41.4	41.5	41.4	41.4	-	-	-	-	-
Combined utility systems . . . . .	-	40.6	40.7	41.3	40.5	-	-	-	-	-
Water, steam, and sanitary systems . . . . .	-	41.3	41.2	41.1	40.9	-	-	-	-	-

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

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**Table C-2: Gross hours and earnings of production workers<sup>1</sup> by industry--Continued**

Industry	Average weekly earnings					Average hourly earnings				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>WHOLESALE AND RETAIL TRADE<sup>6</sup></b> . . . . .	-	\$78.59	\$78.79	\$76.05	\$76.05	-	\$2.01	\$2.01	\$1.96	\$1.94
<b>WHOLESALE TRADE</b> . . . . .	-	99.72	99.55	97.68	96.46	-	2.45	2.44	2.40	2.37
Motor vehicles and automotive equipment . . . . .	-	95.11	94.89	93.86	93.26	-	2.27	2.27	2.24	2.21
Drugs, chemicals, and allied products . . . . .	-	100.40	100.60	99.54	97.84	-	2.51	2.49	2.47	2.44
Dry goods and apparel . . . . .	-	92.23	90.86	92.88	92.37	-	2.44	2.41	2.49	2.45
Groceries and related products . . . . .	-	93.83	94.75	91.32	90.92	-	2.25	2.24	2.19	2.17
Electrical goods . . . . .	-	102.91	102.40	102.91	100.04	-	2.56	2.56	2.51	2.47
Hardware, plumbing, and heating goods . . . . .	-	96.05	95.65	94.83	92.92	-	2.36	2.35	2.33	2.30
Machinery, equipment, and supplies . . . . .	-	108.09	107.68	107.38	104.39	-	2.63	2.62	2.60	2.54
<b>RETAIL TRADE<sup>6</sup></b> . . . . .	-	69.30	69.30	66.70	67.16	-	1.80	1.80	1.76	1.74
General merchandise stores . . . . .	-	55.42	55.38	53.28	53.15	-	1.57	1.56	1.54	1.51
Department stores . . . . .	-	59.86	60.03	58.65	58.12	-	1.73	1.73	1.71	1.67
Limited price variety stores . . . . .	-	41.50	41.08	39.15	40.12	-	1.25	1.23	1.19	1.18
Food stores . . . . .	-	67.87	67.68	65.50	66.25	-	1.88	1.88	1.84	1.82
Grocery, meat, and vegetable stores . . . . .	-	69.14	69.50	66.95	67.53	-	1.91	1.92	1.87	1.85
Apparel and accessories stores . . . . .	-	54.91	55.77	54.13	54.47	-	1.56	1.58	1.56	1.53
Men's and boys' apparel stores . . . . .	-	67.82	68.96	65.45	66.53	-	1.78	1.81	1.75	1.76
Women's ready-to-wear stores . . . . .	-	48.22	49.27	47.66	47.89	-	1.41	1.42	1.41	1.38
Family clothing stores . . . . .	-	55.08	55.34	52.95	54.00	-	1.53	1.55	1.50	1.50
Shoe stores . . . . .	-	56.25	56.45	56.78	56.83	-	1.64	1.67	1.69	1.61
Furniture and appliance stores . . . . .	-	83.44	82.42	81.58	81.56	-	2.04	2.02	1.98	1.97
Other retail trade . . . . .	-	79.00	79.19	75.76	76.68	-	1.89	1.89	1.83	1.83
Motor vehicle dealers . . . . .	-	97.24	98.11	91.12	93.51	-	2.22	2.24	2.09	2.13
Other vehicle and accessory dealers . . . . .	-	82.47	84.23	80.70	81.33	-	1.87	1.91	1.83	1.84
Drug stores . . . . .	-	60.38	60.59	58.09	58.59	-	1.61	1.62	1.57	1.55
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>										
Banking . . . . .	-	74.40	74.77	71.97	71.80	-	2.00	2.01	1.94	1.93
Security dealers and exchanges . . . . .	-	117.38	118.84	111.25	110.68	-	-	-	-	-
Insurance carriers . . . . .	-	96.52	96.65	93.64	94.19	-	-	-	-	-
Life insurance . . . . .	-	102.40	102.45	98.92	100.61	-	-	-	-	-
Accident and health insurance . . . . .	-	81.75	81.86	78.50	78.34	-	-	-	-	-
Fire, marine, and casualty insurance . . . . .	-	91.45	91.64	89.22	88.46	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS:</b>										
Hotels and lodging places:										
Hotels, tourist courts, and motels <sup>7</sup> . . . . .	-	47.79	47.96	45.67	45.60	-	1.18	1.19	1.18	1.14
Personal services:										
Laundries, cleaning and dyeing plants . . . . .	-	51.48	52.00	50.83	50.44	-	1.32	1.33	1.30	1.29
Motion pictures:										
Motion picture filming and distributing . . . . .	-	133.41	130.01	126.17	123.46	-	-	-	-	-

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

Industry	Average weekly hours					Average overtime hours				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>WHOLESALE AND RETAIL TRADE<sup>6</sup></b> . . . . .	-	39.1	39.2	38.8	39.2	-	-	-	-	-
<b>WHOLESALE TRADE</b> . . . . .	-	40.7	40.8	40.7	40.7	-	-	-	-	-
Motor vehicles and automotive equipment . . . . .	-	41.9	41.8	41.9	42.2	-	-	-	-	-
Drugs, chemicals, and allied products . . . . .	-	40.0	40.4	40.3	40.1	-	-	-	-	-
Dry goods and apparel . . . . .	-	37.8	37.7	37.3	37.7	-	-	-	-	-
Groceries and related products . . . . .	-	41.7	42.3	41.7	41.9	-	-	-	-	-
Electrical goods . . . . .	-	40.2	40.0	41.0	40.5	-	-	-	-	-
Hardware, plumbing, and heating goods . . . . .	-	40.7	40.7	40.7	40.4	-	-	-	-	-
Machinery, equipment, and supplies . . . . .	-	41.1	41.1	41.3	41.1	-	-	-	-	-
<b>RETAIL TRADE<sup>6</sup></b> . . . . .	-	38.5	38.5	37.9	38.6	-	-	-	-	-
General merchandise stores . . . . .	-	35.3	35.5	34.6	35.2	-	-	-	-	-
Department stores . . . . .	-	34.6	34.7	34.3	34.8	-	-	-	-	-
Limited price variety stores . . . . .	-	33.2	33.4	32.9	34.0	-	-	-	-	-
Food stores . . . . .	-	36.1	36.0	35.6	36.4	-	-	-	-	-
Grocery, meat, and vegetable stores . . . . .	-	36.2	36.2	35.8	36.5	-	-	-	-	-
Apparel and accessories stores . . . . .	-	35.2	35.3	34.7	35.6	-	-	-	-	-
Men's and boys' apparel stores . . . . .	-	38.1	38.1	37.4	37.8	-	-	-	-	-
Women's ready-to-wear stores . . . . .	-	34.2	34.7	33.8	34.7	-	-	-	-	-
Family clothing stores . . . . .	-	36.0	35.7	35.3	36.0	-	-	-	-	-
Shoe stores . . . . .	-	34.3	33.8	33.6	35.3	-	-	-	-	-
Furniture and appliance stores . . . . .	-	40.9	40.8	41.2	41.4	-	-	-	-	-
Other retail trade . . . . .	-	41.8	41.9	41.4	41.9	-	-	-	-	-
Motor vehicle dealers . . . . .	-	43.8	43.8	43.6	43.9	-	-	-	-	-
Other vehicle and accessory dealers . . . . .	-	44.1	44.1	44.1	44.2	-	-	-	-	-
Drug stores . . . . .	-	37.5	37.4	37.0	37.8	-	-	-	-	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>										
Banking . . . . .	-	37.2	37.2	37.1	37.2	-	-	-	-	-
Security dealers and exchanges . . . . .	-	-	-	-	-	-	-	-	-	-
Insurance carriers . . . . .	-	-	-	-	-	-	-	-	-	-
Life insurance . . . . .	-	-	-	-	-	-	-	-	-	-
Accident and health insurance . . . . .	-	-	-	-	-	-	-	-	-	-
Fire, marine, and casualty insurance . . . . .	-	-	-	-	-	-	-	-	-	-
<b>SERVICES AND MISCELLANEOUS:</b>										
Hotels and lodging places:										
Hotels, tourist courts, and motels <sup>7</sup> . . . . .	-	40.5	40.3	38.7	40.0	-	-	-	-	-
Personal services:										
Laundries, cleaning and dyeing plants . . . . .	-	39.0	39.1	39.1	39.1	-	-	-	-	-
Motion pictures:										
Motion picture filming and distributing . . . . .	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>For mining and manufacturing, laundries, and cleaning and dyeing plants, data refer to production and related workers; for contract construction, to construction workers; and for all other industries, to nonsupervisory workers.

<sup>2</sup>Not available.

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

<sup>4</sup>Data relate to employees in such occupations in the telephone industry as central office craftsmen; installation and exchange repair craftsmen; line, cable, and conduit craftsmen; and laborers. In 1960, such employees made up 30 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

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

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

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

\*Class I Railroads - February 1963: \$121.67, \$2.81, and 43.3  
  March 1963: 114.96, 2.77, and 41.5  
  April 1963: 118.25, 2.75, and 43.0

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



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>MANUFACTURING</b> .....	<b>\$2.37</b>	<b>\$2.35</b>	<b>\$2.37</b>	<b>\$2.31</b>	<b>\$2.29</b>
<b>DURABLE GOODS</b> .....	2.53	2.52	2.54	2.48	2.45
Ordnance and accessories .....	-	2.82	2.82	2.77	2.75
Lumber and wood products, except furniture .....	-	1.97	1.95	1.93	1.92
Furniture and fixtures .....	-	1.93	1.92	1.88	1.88
Stone, clay, and glass products .....	-	2.37	2.37	2.32	2.32
Primary metal industries .....	-	2.94	2.96	2.89	2.88
Fabricated metal products .....	-	2.51	2.51	2.47	2.46
Machinery .....	-	2.67	2.67	2.62	2.60
Electrical equipment and supplies .....	-	2.38	2.40	2.35	2.33
Transportation equipment .....	-	2.87	2.88	2.82	2.79
Instruments and related products .....	-	2.42	2.41	2.37	2.36
Miscellaneous manufacturing industries .....	-	1.95	1.97	1.90	1.90
<b>NONDURABLE GOODS</b> .....	2.16	2.13	2.15	2.09	2.09
Food and kindred products .....	-	2.18	2.21	2.12	2.12
Tobacco manufactures .....	-	1.81	1.99	1.68	1.78
Textile mill products .....	-	1.64	1.64	1.62	1.62
Apparel and related products .....	-	1.69	1.67	1.67	1.66
Paper and allied products .....	-	2.36	2.36	2.30	2.29
Printing, publishing, and allied industries .....	-	(2)	(2)	(2)	(2)
Chemicals and allied products .....	-	2.65	2.66	2.59	2.58
Petroleum refining and related industries .....	-	3.04	3.05	2.96	2.95
Rubber and miscellaneous plastic products .....	-	2.37	2.38	2.35	2.35
Leather and leather products .....	-	1.72	1.71	1.70	1.69

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

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

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

**Table C-4: Gross and spendable average weekly earnings in selected industries, in current and 1957-59 dollars<sup>1</sup>**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
<b>MINING:</b>									
Current dollars .....	\$115.08	\$112.06	\$111.90	\$91.65	\$89.34	\$89.68	\$100.25	\$97.77	\$98.11
1957-59 dollars .....	107.45	104.63	106.07	85.57	83.42	85.00	93.60	91.29	93.00
<b>CONTRACT CONSTRUCTION:</b>									
Current dollars .....	132.70	130.90	127.71	105.15	103.77	101.79	114.69	113.22	111.07
1957-59 dollars .....	123.90	122.22	121.05	98.18	96.89	96.48	107.09	105.71	105.28
<b>MANUFACTURING:</b>									
Current dollars .....	98.42	99.23	95.75	78.89	79.51	77.21	86.58	87.25	84.87
1957-59 dollars .....	91.90	92.65	90.76	73.66	74.24	73.18	80.84	81.47	80.45
<b>WHOLESALE AND RETAIL TRADE:<sup>2</sup></b>									
Current dollars .....	78.59	78.79	76.05	63.49	63.64	61.93	70.82	70.98	69.21
1957-59 dollars .....	73.38	73.57	72.09	59.28	59.42	58.70	66.13	66.27	65.60

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

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

NOTE: Data for the current month are preliminary.

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

Industry	1957-59=100				
	Sept. 1963	Aug. 1963	July 1963	Sept. 1962	Aug. 1962
<b>TOTAL</b> .....	<b>106.2</b>	<b>105.3</b>	<b>103.9</b>	<b>105.2</b>	<b>103.9</b>
<b>MINING</b> .....	<b>84.5</b>	<b>84.8</b>	<b>82.6</b>	<b>85.4</b>	<b>86.5</b>
<b>CONTRACT CONSTRUCTION</b> .....	<b>121.9</b>	<b>125.5</b>	<b>121.9</b>	<b>116.5</b>	<b>119.5</b>
<b>MANUFACTURING</b> .....	<b>104.5</b>	<b>102.7</b>	<b>101.7</b>	<b>104.1</b>	<b>101.9</b>
<b>DURABLE GOODS</b> .....	<b>104.0</b>	<b>101.1</b>	<b>102.4</b>	<b>102.6</b>	<b>99.3</b>
Ordnance and accessories .....	148.3	147.9	146.5	154.1	154.5
Lumber and wood products, except furniture .....	100.4	99.5	95.6	99.8	101.7
Furniture and fixtures .....	112.8	110.9	105.3	109.3	108.6
Stone, clay, and glass products .....	109.3	110.4	109.8	106.6	107.5
Primary metal industries .....	96.4	97.1	101.0	92.4	90.3
Fabricated metal products .....	106.2	104.7	102.7	103.7	100.7
Machinery .....	103.4	102.5	102.3	102.3	101.6
Electrical equipment and supplies .....	116.6	113.4	112.6	119.5	116.0
Transportation equipment .....	91.5	79.9	92.4	89.9	78.0
Instruments and related products .....	108.2	107.8	105.4	104.2	104.2
Miscellaneous manufacturing industries .....	111.6	107.9	99.9	110.0	106.5
<b>NONDURABLE GOODS</b> .....	<b>105.0</b>	<b>104.7</b>	<b>100.8</b>	<b>106.1</b>	<b>105.3</b>
Food and kindred products .....	104.9	103.7	97.5	109.1	105.8
Tobacco manufactures .....	119.8	105.0	74.6	132.8	104.3
Textile mill products .....	96.5	96.7	94.4	97.2	98.3
Apparel and related products .....	112.6	113.7	107.7	110.4	112.0
Paper and allied products .....	108.5	108.5	106.7	108.3	107.7
Printing, publishing, and allied industries .....	106.2	104.8	103.5	106.5	104.9
Chemicals and allied products .....	105.7	105.6	105.2	104.1	103.8
Petroleum refining and related industries .....	84.7	84.4	85.5	86.1	88.1
Rubber and miscellaneous plastic products .....	113.2	112.0	109.2	117.1	114.0
Leather and leather products .....	95.1	98.8	96.3	96.9	101.5
	Payrolls				
<b>MINING</b> .....	-	93.1	90.2	93.0	93.2
<b>CONTRACT CONSTRUCTION</b> .....	-	152.0	146.8	138.3	139.7
<b>MANUFACTURING</b> .....	<b>121.4</b>	<b>118.1</b>	<b>118.1</b>	<b>117.8</b>	<b>114.1</b>

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

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

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED HOURS**

**Table C-6: Average weekly hours of production workers on payrolls of selected industries<sup>1</sup>  
seasonally adjusted**

Industry	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
<b>MINING</b> .....	41.8	41.5	40.9	42.2	41.9	41.6	41.0	41.5	41.3	40.8	41.0	40.9	41.2
<b>CONTRACT CONSTRUCTION</b> .....	37.5	37.2	37.3	37.6	37.5	37.5	37.3	36.1	37.0	36.1	36.8	36.8	37.4
<b>MANUFACTURING</b> .....	40.6	40.3	40.4	40.5	40.5	40.1	40.5	40.3	40.4	40.2	40.4	40.2	40.7
<b>DURABLE</b> .....	41.2	41.0	41.2	41.3	41.1	40.7	41.0	41.0	40.9	41.1	40.9	40.8	41.2
Ordnance and accessories .....	41.1	41.3	41.0	41.4	40.9	40.4	40.7	41.4	41.2	41.2	41.1	41.0	41.2
Lumber and wood products, except furniture ...	40.2	40.0	40.4	40.1	39.5	39.9	39.9	40.1	39.9	39.9	39.9	39.5	40.2
Furniture and fixtures .....	41.1	40.9	41.2	40.9	40.9	40.5	40.7	40.9	40.8	40.4	40.6	40.6	40.7
Stone, clay, and glass products .....	41.1	41.2	41.4	41.5	41.6	41.3	41.4	40.9	40.8	40.5	41.0	41.1	41.2
Primary metal industries .....	40.5	40.8	41.1	41.7	41.6	41.3	40.5	40.6	40.3	40.2	40.0	39.7	40.1
Fabricated metal products .....	41.0	41.1	41.2	41.2	41.4	40.9	41.2	41.3	41.3	41.1	41.1	41.1	41.0
Machinery .....	41.9	41.7	41.7	41.7	41.5	41.2	41.6	41.7	41.7	41.7	41.6	41.6	41.8
Electrical equipment and supplies .....	40.2	40.2	40.6	40.4	40.4	40.1	40.3	40.4	40.3	40.4	40.4	40.4	40.6
Transportation equipment .....	41.8	41.6	42.1	42.2	41.9	41.4	41.8	41.9	42.5	42.4	42.3	42.2	42.3
Instruments and related products .....	40.8	40.8	40.8	40.7	40.8	40.5	41.0	41.1	40.6	40.8	40.9	40.7	40.9
Miscellaneous manufacturing industries .....	39.9	39.8	39.7	39.5	39.6	39.2	39.6	39.8	39.6	39.4	39.2	39.4	40.0
<b>NONDURABLE GOODS</b> .....	39.6	39.5	39.5	39.6	39.7	39.3	39.8	39.7	39.6	39.4	39.5	39.3	39.8
Food and kindred products .....	40.7	40.9	40.8	41.0	40.8	40.7	41.1	40.9	40.8	41.0	41.0	40.6	41.0
Tobacco manufactures .....	36.5	39.7	39.4	39.7	39.0	35.6	39.2	37.6	39.2	38.8	39.2	38.4	38.9
Textile mill products .....	40.8	40.5	40.4	40.5	40.6	40.2	40.7	40.3	40.2	40.3	40.0	40.2	40.4
Apparel and related products .....	36.6	35.7	36.0	36.0	36.4	35.9	36.5	36.3	36.3	36.0	36.1	36.0	36.8
Paper and allied products .....	42.5	42.6	42.7	42.7	42.6	42.2	42.8	42.7	42.7	42.8	42.5	42.3	42.6
Printing, publishing, and allied industries .....	38.4	38.4	38.3	38.3	38.4	38.3	38.4	38.4	38.2	38.1	38.1	38.1	38.4
Chemicals and allied products .....	41.5	41.4	41.6	41.4	41.6	41.8	41.6	41.4	41.4	41.7	41.4	41.5	41.5
Petroleum refining and related industries .....	41.6	41.6	41.7	41.9	41.9	42.3	41.3	41.3	41.7	42.0	41.6	41.6	42.0
Rubber and miscellaneous plastic products .....	41.0	40.8	40.2	40.1	40.4	40.7	41.1	41.1	41.0	41.0	40.8	40.8	41.1
Leather and leather products .....	38.1	37.6	37.0	37.3	37.3	36.8	36.9	37.1	36.8	36.9	37.0	37.2	38.0
<b>WHOLESALE AND RETAIL TRADE<sup>2</sup></b> .....	-	38.6	38.7	38.7	38.7	38.7	38.6	38.7	38.6	38.7	38.7	38.7	38.8
<b>WHOLESALE TRADE</b> .....	-	40.6	40.5	40.6	40.6	40.5	40.6	40.6	40.5	40.6	40.6	40.5	40.6
<b>RETAIL TRADE<sup>2</sup></b> .....	-	37.8	37.9	37.9	37.8	37.9	37.8	37.8	37.8	37.9	37.9	37.9	37.9

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

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

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

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**
**Table C-7: Indexes of aggregate weekly man-hours in industrial and construction activities<sup>1</sup>  
seasonally adjusted**

1957-59=100

Industry	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963	Jan. 1963	Dec. 1962	Nov. 1962	Oct. 1962	Sept. 1962
<b>TOTAL</b> .....	101.5	101.0	101.8	101.9	101.8	100.8	100.1	99.3	99.8	99.1	99.3	99.5	100.6
<b>MINING</b> .....	82.5	81.7	82.3	83.9	83.5	83.1	80.6	81.7	81.5	81.2	81.9	82.2	83.3
<b>CONTRACT CONSTRUCTION</b> .....	106.4	105.7	105.7	105.9	104.7	104.0	100.7	98.1	101.8	98.1	100.0	99.6	101.6
<b>MANUFACTURING</b> .....	101.5	101.2	102.1	102.1	102.1	101.1	101.0	100.4	100.3	100.2	100.1	100.4	101.2
<b>DURABLE GOODS</b> .....	102.2	101.8	103.3	103.1	102.8	101.8	101.0	100.7	100.6	100.2	100.1	100.4	101.0
Ordnance and accessories .....	149.2	149.9	148.8	151.6	148.5	145.4	147.7	151.6	152.1	152.1	153.0	152.6	153.3
Lumber and wood products, except furniture ...	94.3	92.4	90.7	89.1	93.4	94.0	95.8	95.0	94.9	93.5	93.8	92.2	93.8
Furniture and fixtures .....	107.8	107.3	108.0	106.9	106.3	104.9	105.4	105.6	106.0	104.3	104.5	104.2	104.4
Stone, clay, and glass products .....	103.8	104.5	105.4	104.6	104.7	103.3	101.6	99.2	99.3	98.2	100.7	101.5	101.4
Primary metal industries .....	96.3	98.4	102.5	103.2	101.5	99.6	94.6	93.7	91.9	91.8	90.9	90.4	92.2
Fabricated metal products .....	103.2	104.0	104.0	103.6	103.5	102.1	101.3	101.1	100.6	100.4	100.0	100.5	100.7
Machinery .....	104.5	104.2	102.8	102.5	101.8	101.2	101.9	102.1	102.8	102.7	103.4	103.7	103.4
Electrical equipment and supplies .....	113.5	113.6	115.9	116.2	116.0	115.1	115.0	115.1	115.2	115.7	115.4	115.6	116.4
Transportation equipment .....	92.7	89.1	94.3	94.8	93.3	93.1	92.0	91.8	92.3	91.7	90.3	92.2	92.4
Instruments and related products .....	106.9	107.8	107.8	107.0	106.0	104.7	105.1	104.9	103.7	103.3	103.1	103.0	103.1
Miscellaneous manufacturing industries .....	104.3	104.3	102.8	100.7	101.9	100.2	101.2	101.1	100.6	100.1	100.8	101.4	102.9
<b>NONDURABLE GOODS</b> .....	100.6	100.3	100.6	100.7	101.3	100.1	101.0	100.0	100.0	100.1	100.1	100.3	101.6
Food and kindred products .....	91.9	92.8	92.7	93.4	93.6	92.8	95.4	94.2	94.3	95.0	94.3	94.0	95.5
Tobacco manufactures .....	86.8	93.2	90.1	90.8	91.6	84.7	92.0	88.3	92.0	93.4	95.6	94.8	96.1
Textile mill products .....	95.4	95.0	95.2	95.3	95.7	95.0	96.2	95.1	95.0	95.5	95.0	95.7	96.4
Apparel and related products .....	111.4	108.0	110.4	109.5	111.8	108.6	109.2	107.6	107.1	106.0	106.5	106.7	109.4
Paper and allied products .....	106.1	106.5	106.8	106.6	106.1	104.7	106.6	105.9	106.1	106.2	105.0	105.1	105.7
Printing, publishing, and allied industries .....	104.8	104.8	104.5	104.5	105.0	104.0	102.5	102.2	102.2	101.7	104.0	104.4	105.2
Chemicals and allied products .....	105.5	105.5	105.6	105.1	105.2	105.5	104.4	103.9	103.5	103.6	103.3	103.7	103.9
Petroleum refining and related industries .....	82.4	82.4	82.6	82.3	83.0	83.8	81.2	81.2	81.3	83.9	83.1	83.1	83.9
Rubber and miscellaneous plastic products .....	110.3	111.6	111.4	113.2	115.1	115.6	114.9	113.9	114.7	113.6	113.4	113.4	114.2
Leather and leather products .....	97.0	95.1	94.2	94.3	94.6	92.4	93.6	94.1	93.3	95.1	95.7	96.5	98.6

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

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

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
<b>ALABAMA</b> .....	\$85.89	\$86.30	\$83.03	40.9	40.9	40.7	\$2.10	\$2.11	\$2.04
Birmingham.....	113.84	108.41	104.80	41.7	40.1	40.0	2.73	2.77	2.62
Mobile.....	103.72	110.35	98.80	40.2	41.8	40.0	2.58	2.64	2.47
<b>ARIZONA</b> .....	107.87	106.93	101.89	40.4	40.2	39.8	2.67	2.66	2.56
Phoenix.....	110.30	108.41	102.82	40.7	40.3	39.7	2.71	2.69	2.59
Tucson.....	114.51	109.34	104.12	39.9	38.5	38.0	2.87	2.84	2.74
<b>ARKANSAS</b> .....	70.38	70.28	67.89	41.4	41.1	40.9	1.70	1.71	1.66
Fort Smith.....	71.46	71.20	68.51	40.6	40.0	40.3	1.76	1.78	1.70
Little Rock-North Little Rock.....	67.37	68.34	67.54	40.1	40.2	40.2	1.68	1.70	1.68
Pine Bluff.....	86.72	88.75	80.34	41.1	40.9	41.2	2.11	2.17	1.95
<b>CALIFORNIA</b> .....	115.83	116.76	112.19	40.5	40.4	40.5	2.86	2.89	2.77
Bakersfield.....	124.53	125.14	120.29	41.1	41.3	40.5	3.03	3.03	2.97
Fresno.....	97.20	96.72	94.71	40.0	39.0	39.3	2.43	2.48	2.41
Los Angeles-Long Beach.....	114.62	113.93	111.93	40.5	40.4	40.7	2.83	2.82	2.75
Sacramento.....	135.98	140.19	125.70	42.1	42.1	41.9	3.23	3.33	3.00
San Bernardino-Riverside-Ontario.....	116.87	117.74	113.68	40.3	40.6	40.6	2.90	2.90	2.80
San Diego.....	124.49	124.09	118.21	39.9	39.9	39.8	3.12	3.11	2.97
San Francisco-Oakland.....	122.06	124.18	118.60	39.5	39.8	39.8	3.09	3.12	2.98
San Jose.....	119.00	117.79	113.16	41.9	40.9	41.0	2.84	2.88	2.76
Stockton.....	109.06	117.16	106.11	41.0	41.4	40.5	2.66	2.83	2.62
<b>COLORADO</b> .....	108.12	110.68	104.09	40.8	41.3	40.5	2.65	2.68	2.57
Denver.....	108.54	110.02	105.18	40.5	40.9	40.3	2.68	2.69	2.61
<b>CONNECTICUT</b> .....	104.90	104.24	101.11	41.3	41.2	41.1	2.54	2.53	2.46
Bridgeport.....	108.68	108.68	104.74	41.8	41.8	41.4	2.60	2.60	2.53
Hartford.....	109.56	110.46	104.55	41.5	42.0	41.0	2.64	2.63	2.55
New Britain.....	101.56	102.72	99.05	40.3	40.6	40.1	2.52	2.53	2.47
New Haven.....	101.05	101.05	96.96	40.1	40.1	40.4	2.52	2.52	2.40
Stamford.....	114.90	112.05	108.20	42.4	41.5	42.1	2.71	2.70	2.57
Waterbury.....	104.08	104.49	102.92	41.3	41.3	41.5	2.52	2.53	2.48
<b>DELAWARE</b> .....	99.80	103.98	93.56	40.9	41.1	40.5	2.44	2.53	2.31
Wilmington.....	113.42	116.44	110.70	40.8	41.0	40.4	2.78	2.84	2.74
<b>DISTRICT OF COLUMBIA:</b>									
Washington.....	111.16	111.67	105.73	39.7	39.6	39.6	2.80	2.82	2.67
<b>FLORIDA</b> .....	84.86	85.69	82.42	40.8	41.0	40.6	2.08	2.09	2.03
Jacksonville.....	84.67	87.02	84.61	39.2	40.1	40.1	2.16	2.17	2.11
Miami.....	79.18	78.99	78.38	39.2	39.3	38.8	2.02	2.01	2.02
Tampa-St. Petersburg.....	86.52	89.89	85.07	42.0	42.4	41.7	2.06	2.12	2.04
<b>GEORGIA</b> .....	72.18	72.80	70.53	40.1	40.0	40.3	1.80	1.82	1.75
Atlanta.....	90.32	91.53	87.96	40.5	40.5	39.8	2.23	2.26	2.21
Savannah.....	93.66	90.32	97.33	40.9	39.1	42.5	2.29	2.31	2.29
<b>IDAHO</b> .....	101.22	102.26	99.80	42.0	41.4	40.9	2.41	2.47	2.44
<b>ILLINOIS</b> .....	109.05	108.81	104.47	41.1	40.8	40.6	2.65	2.66	2.57
Chicago.....	(1)	110.65	106.59	(1)	40.8	40.6	(1)	2.71	2.62
<b>INDIANA</b> .....	111.06	112.28	106.56	40.8	41.0	40.7	2.72	2.74	2.62
Indianapolis.....	(1)	111.54	108.21	(1)	41.1	41.4	(1)	2.71	2.62
<b>IOWA</b> .....	102.33	103.64	98.93	39.8	39.9	39.7	2.57	2.60	2.50
Des Moines.....	111.38	114.09	111.98	39.6	39.5	40.6	2.81	2.89	2.76
<b>KANSAS</b> .....	105.35	106.80	105.15	41.5	41.9	41.9	2.54	2.55	2.51
Topeka.....	112.02	110.74	122.04	41.6	41.3	44.6	2.69	2.68	2.73
Wichita.....	111.93	113.04	108.18	41.1	41.6	41.5	2.72	2.72	2.61

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		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
KENTUCKY.....	\$93.90	\$96.87	\$90.00	40.3	40.7	40.0	\$2.33	\$2.38	\$2.25
Louisville.....	110.16	113.03	105.32	41.2	41.5	40.6	2.67	2.72	2.59
LOUISIANA.....	102.00	101.40	98.37	42.5	41.9	42.4	2.40	2.42	2.32
Baton Rouge.....	124.44	126.59	125.10	40.8	41.1	41.7	3.05	3.08	3.00
New Orleans.....	100.90	102.06	101.60	40.2	40.5	41.3	2.51	2.52	2.46
Shreveport.....	96.41	96.98	95.60	42.1	41.8	42.3	2.29	2.32	2.26
MAINE.....	80.12	80.32	77.71	41.3	41.4	40.9	1.94	1.94	1.90
Lewiston-Auburn.....	67.90	67.47	66.86	38.8	39.0	39.1	1.75	1.73	1.71
Portland.....	87.08	90.07	86.93	40.5	41.7	41.2	2.15	2.16	2.11
MARYLAND.....	99.72	101.59	94.60	40.7	40.8	40.6	2.45	2.49	2.33
Baltimore.....	105.41	107.16	102.06	40.7	40.9	40.5	2.59	2.62	2.52
MASSACHUSETTS.....	91.60	90.91	89.65	40.0	39.7	40.2	2.29	2.29	2.23
Boston.....	99.10	98.25	96.00	39.8	39.3	40.0	2.49	2.50	2.40
Fall River.....	65.69	63.90	67.13	36.7	35.5	37.5	1.79	1.80	1.79
New Bedford.....	72.77	71.43	70.38	38.3	38.2	39.1	1.90	1.87	1.80
Springfield-Chicopee-Holyoke.....	95.24	95.18	92.00	40.7	40.5	40.0	2.34	2.35	2.30
Worcester.....	95.92	96.32	94.07	39.8	39.8	40.2	2.41	2.42	2.34
MICHIGAN.....	122.91	126.86	117.22	41.3	42.4	40.8	2.98	2.99	2.87
Detroit.....	131.43	135.21	127.29	41.5	42.8	41.3	3.17	3.16	3.08
Flint.....	147.15	142.12	134.48	42.9	44.0	40.8	3.43	3.23	3.30
Grand Rapids.....	107.83	106.72	104.84	39.7	39.6	40.2	2.72	2.70	2.61
Lansing.....	122.94	128.19	105.10	41.2	41.7	34.8	2.98	3.07	3.02
Muskegon-Muskegon Heights.....	115.38	116.28	108.78	40.5	40.6	39.5	2.85	2.86	2.75
Saginaw.....	120.14	132.67	110.66	41.7	43.9	40.3	2.88	3.02	2.75
MINNESOTA.....	103.52	105.41	100.53	40.8	41.4	40.1	2.54	2.55	2.51
Duluth-Superior.....	107.07	112.16	100.72	40.0	41.8	37.8	2.68	2.68	2.66
Minneapolis-St. Paul.....	109.81	110.28	107.29	40.6	40.8	40.5	2.71	2.70	2.65
MISSISSIPPI.....	69.80	68.45	66.91	41.3	40.5	40.8	1.69	1.69	1.64
Jackson.....	76.02	72.00	75.00	42.0	40.0	41.9	1.81	1.80	1.79
MISSOURI.....	97.49	99.69	93.92	39.9	40.4	39.7	2.45	2.47	2.36
Kansas City.....	105.56	107.28	100.84	40.4	40.4	39.6	2.61	2.66	2.55
St. Louis.....	109.00	113.22	107.80	39.8	40.9	40.3	2.74	2.77	2.67
MONTANA.....	101.78	100.44	105.47	38.7	37.9	41.2	2.63	2.65	2.56
NEBRASKA.....	97.47	98.71	95.68	43.2	43.8	43.8	2.25	2.25	2.18
Omaha.....	107.00	108.18	104.07	43.0	43.3	43.0	2.49	2.50	2.42
NEVADA <sup>2</sup> .....	126.80	125.45	125.97	40.0	39.7	40.9	3.17	3.16	3.08
NEW HAMPSHIRE <sup>2</sup> .....	77.59	76.61	76.70	40.2	39.9	40.8	1.93	1.92	1.88
Manchester <sup>2</sup> .....	73.49	70.49	72.22	39.3	38.1	39.9	1.87	1.85	1.81
NEW JERSEY.....	103.83	104.64	102.16	40.4	40.4	40.7	2.57	2.59	2.51
Jersey City <sup>3</sup> .....	106.66	103.79	101.09	41.5	40.7	40.6	2.57	2.55	2.49
Newark <sup>3</sup> .....	103.28	104.23	100.37	40.5	40.4	40.8	2.55	2.58	2.46
Paterson-Clifton-Passaic <sup>3</sup> .....	102.40	105.30	103.12	40.0	40.5	40.6	2.56	2.60	2.54
Perth Amboy <sup>3</sup> .....	108.53	108.81	105.15	40.8	40.6	40.6	2.66	2.68	2.59
Trenton.....	105.01	101.91	99.14	40.7	39.5	40.3	2.58	2.58	2.46
NEW MEXICO.....	94.16	94.89	87.88	41.3	41.8	40.5	2.28	2.27	2.17
Albuquerque.....	99.42	101.28	89.35	41.6	42.2	40.8	2.39	2.40	2.19

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		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
<b>NEW YORK</b> .....	(1)	\$98.67	\$95.56	(1)	39.0	39.3	(1)	\$2.53	\$2.43
Albany-Schenectady-Troy.....	\$108.14	110.98	106.17	40.2	40.8	40.4	\$2.69	2.72	2.63
Binghamton.....	94.24	91.03	88.92	40.1	38.9	39.1	2.35	2.34	2.27
Buffalo.....	116.52	119.84	113.17	40.6	40.9	40.4	2.87	2.93	2.80
Elmira.....	97.86	98.85	98.79	39.3	39.7	40.6	2.49	2.49	2.43
Massau and Suffolk Counties <sup>3</sup> .....	106.27	105.07	106.39	39.8	39.5	41.0	2.67	2.66	2.60
New York City <sup>3</sup> .....	(1)	91.51	90.02	(1)	37.2	37.8	(1)	2.46	2.38
New York-Northeastern New Jersey.....	97.64	97.91	95.80	38.9	38.7	39.1	2.51	2.53	2.45
Rochester.....	114.95	115.51	109.29	41.2	41.4	41.2	2.79	2.79	2.66
Syracuse.....	107.01	109.18	102.45	41.0	41.2	40.6	2.61	2.65	2.52
Utica-Rome.....	95.44	96.96	92.63	40.1	40.4	40.2	2.38	2.40	2.30
Westchester County <sup>3</sup> .....	95.62	99.79	96.52	38.4	39.6	39.4	2.49	2.52	2.45
<b>NORTH CAROLINA</b> .....	67.32	68.14	66.67	41.3	40.8	40.9	1.63	1.67	1.63
Charlotte.....	76.20	75.12	74.16	42.1	41.5	41.9	1.81	1.81	1.77
Greensboro-High Point.....	68.28	67.37	65.69	39.7	39.4	39.1	1.72	1.71	1.68
<b>NORTH DAKOTA</b> .....	89.08	93.72	89.39	41.2	42.9	41.7	2.16	2.18	2.14
Fargo-Moorhead.....	102.26	106.36	103.75	40.9	42.4	40.3	2.50	2.51	2.58
<b>OHIO</b> .....	115.09	116.96	112.15	40.9	41.3	40.9	2.81	2.83	2.74
Akron.....	128.69	126.58	125.76	40.7	40.4	40.4	3.16	3.13	3.11
Canton.....	109.64	116.62	111.61	38.2	40.2	39.7	2.87	2.90	2.81
Cincinnati.....	109.59	111.43	106.40	41.4	41.9	41.2	2.65	2.66	2.58
Cleveland.....	117.66	119.06	115.36	41.1	41.3	41.1	2.86	2.88	2.81
Columbus.....	108.59	108.20	106.63	40.6	40.4	40.9	2.67	2.68	2.61
Dayton.....	123.39	127.52	122.74	41.4	42.4	42.2	2.98	3.01	2.91
Toledo.....	115.43	118.93	113.64	40.3	40.9	40.2	2.86	2.91	2.83
Youngstown-Warren.....	122.82	126.93	119.80	39.1	40.0	38.9	3.14	3.17	3.08
<b>OKLAHOMA</b> .....	93.34	93.48	90.86	41.3	41.0	41.3	2.26	2.28	2.21
Oklahoma City.....	89.25	89.46	85.91	42.1	42.0	41.5	2.12	2.13	2.07
Tulsa.....	98.33	99.95	96.76	40.3	41.3	41.0	2.44	2.42	2.36
<b>OREGON</b> .....	108.00	108.35	102.96	40.0	39.4	39.6	2.70	2.75	2.60
Portland.....	108.53	107.52	104.13	38.9	38.4	39.0	2.79	2.80	2.67
<b>PENNSYLVANIA</b> .....	98.06	98.85	94.80	39.7	39.7	39.5	2.47	2.49	2.40
Allentown-Bethlehem-Easton.....	92.86	94.08	91.96	37.9	38.4	38.8	2.45	2.45	2.37
Altoona.....	79.90	82.43	78.11	38.6	38.7	38.1	2.07	2.13	2.05
Erie.....	106.71	108.42	106.34	41.2	41.7	41.7	2.59	2.60	2.55
Harrisburg.....	86.62	86.15	84.96	40.1	39.7	39.7	2.16	2.17	2.14
Johnstown.....	99.82	103.06	94.75	38.1	38.6	37.6	2.62	2.67	2.52
Lancaster.....	88.07	85.97	88.99	40.4	39.8	41.2	2.18	2.16	2.16
Philadelphia.....	104.90	102.54	101.56	40.5	39.9	40.3	2.59	2.57	2.52
Pittsburgh.....	118.11	120.80	114.95	39.5	40.0	39.1	2.99	3.02	2.94
Reading.....	87.78	88.58	83.37	39.9	39.9	39.7	2.20	2.22	2.10
Scranton.....	72.39	72.20	71.63	38.3	38.0	38.1	1.89	1.90	1.88
Wilkes-Barre-Hazleton.....	68.93	69.92	68.08	35.9	36.8	36.8	1.92	1.90	1.85
York.....	84.46	84.46	81.97	41.4	41.4	41.4	2.04	2.04	1.98
<b>RHODE ISLAND</b> .....	82.61	82.41	82.42	40.1	40.2	40.6	2.06	2.05	2.03
Providence-Pawtucket.....	82.59	83.03	80.40	39.9	40.5	40.4	2.07	2.05	1.99
<b>SOUTH CAROLINA</b> .....	68.61	68.04	68.21	40.6	40.5	40.6	1.69	1.68	1.68
Charleston.....	80.60	80.80	80.56	39.9	40.4	41.1	2.02	2.00	1.96
Greenville.....	64.88	63.92	66.01	40.3	40.2	41.0	1.61	1.59	1.61
<b>SOUTH DAKOTA</b> .....	100.14	101.19	98.86	45.4	46.6	46.1	2.21	2.17	2.14
Sioux Falls.....	113.56	112.01	109.71	46.5	46.5	47.7	2.44	2.41	2.30
<b>TENNESSEE</b> .....	80.56	80.34	77.71	41.1	41.2	40.9	1.96	1.95	1.90
Chattanooga.....	90.50	85.22	83.64	41.9	40.2	41.2	2.16	2.12	2.03
Knoxville.....	93.26	92.40	89.47	40.2	40.0	40.3	2.32	2.31	2.22
Memphis.....	90.64	90.86	86.48	41.2	41.3	40.6	2.20	2.20	2.13
Nashville.....	87.74	90.29	86.93	41.0	41.8	41.2	2.14	2.16	2.11

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		
	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962	Aug. 1963	July 1963	Aug. 1962
TEXAS.....	\$97.11	\$98.65	\$95.68	41.5	41.8	41.6	\$2.34	\$2.36	\$2.30
Dallas.....	88.62	89.25	86.53	41.8	42.3	41.6	2.12	2.11	2.08
Fort Worth.....	99.90	100.85	98.83	41.8	41.5	42.6	2.39	2.43	2.32
Houston.....	114.40	116.72	112.73	41.6	42.6	42.7	2.75	2.74	2.64
San Antonio.....	72.16	71.69	71.73	41.0	40.5	40.3	1.76	1.77	1.78
UTAH.....	109.34	109.88	105.47	40.2	41.0	39.8	2.72	2.68	2.65
Salt Lake City.....	104.54	106.66	100.98	39.9	40.4	39.6	2.62	2.64	2.55
VERMONT.....	83.82	83.02	81.51	41.7	41.1	41.8	2.01	2.02	1.95
Burlington.....	89.60	89.15	83.85	41.1	39.8	40.9	2.18	2.24	2.05
Springfield.....	95.45	96.37	95.79	41.5	41.9	42.2	2.30	2.30	2.27
VIRGINIA.....	80.75	80.75	78.69	41.2	41.2	41.2	1.96	1.96	1.91
Norfolk-Portsmouth.....	81.97	86.92	82.82	41.4	41.0	40.8	1.98	2.12	2.03
Richmond.....	90.61	89.91	86.46	41.0	40.5	40.4	2.21	2.22	2.14
Roanoke.....	78.32	77.11	74.75	42.8	42.6	41.3	1.83	1.81	1.81
WASHINGTON.....	113.37	113.00	109.25	39.5	39.1	39.3	2.87	2.89	2.78
Seattle.....	114.51	115.24	109.57	39.9	39.6	39.7	2.87	2.91	2.76
Spokane.....	113.75	120.08	113.39	38.3	39.5	39.1	2.97	3.04	2.90
Tacoma.....	112.03	108.49	106.37	38.9	38.2	38.4	2.88	2.84	2.77
WEST VIRGINIA.....	105.13	104.00	101.09	40.3	40.0	39.8	2.61	2.60	2.54
Charleston.....	128.13	125.66	126.07	41.6	41.2	41.2	3.08	3.05	3.06
Huntington-Ashland.....	106.96	111.61	102.68	38.2	39.3	38.6	2.80	2.84	2.66
Wheeling.....	105.47	109.08	98.95	39.5	40.4	38.5	2.67	2.70	2.57
WISCONSIN.....	103.87	105.66	101.54	41.3	41.5	41.5	2.51	2.55	2.44
Green Bay.....	104.56	105.71	100.48	43.6	43.4	43.3	2.40	2.44	2.32
Kenosha.....	120.66	122.39	144.91	40.1	41.3	50.8	3.01	2.97	2.85
La Crosse.....	100.18	104.17	96.35	39.5	41.0	39.6	2.53	2.54	2.44
Madison.....	109.90	109.92	104.39	41.2	40.9	40.2	2.66	2.69	2.60
Milwaukee.....	117.05	118.18	113.74	40.6	41.1	41.2	2.88	2.88	2.76
Racine.....	108.40	109.55	107.69	40.2	40.1	40.8	2.70	2.73	2.64
WYOMING.....	99.06	107.84	96.49	38.1	39.5	37.4	2.60	2.73	2.58
Casper.....	113.20	122.18	109.04	38.9	41.7	37.6	2.91	2.93	2.90

<sup>1</sup>Not available.

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

<sup>3</sup>Subarea of New York-Northeastern New Jersey.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.



# ESTABLISHMENT DATA LABOR TURNOVER

## Table D-1: Labor turnover rates in manufacturing

1954 to date

(Per 100 employees)

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

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

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

Data for the current month are preliminary.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

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

(Per 100 employees)

Industry	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963
<b>MANUFACTURING . . . . .</b>	4.7	4.3	3.0	2.7	4.7	4.1	2.0	1.4	2.0	2.0
<b>DURABLE GOODS . . . . .</b>	4.1	3.7	2.5	2.3	4.8	4.0	1.7	1.2	2.3	2.1
<b>NONDURABLE GOODS . . . . .</b>	5.4	5.1	3.7	3.2	4.7	4.3	2.4	1.7	1.6	1.9
<i>Durable Goods</i>										
<b>ORDNANCE AND ACCESSORIES . . . . .</b>	2.3	2.6	1.5	1.7	2.7	2.2	1.3	1.0	0.8	0.7
Ammunition, except for small arms . . . . .	2.2	2.8	1.5	2.0	2.4	2.0	1.4	1.1	.5	.5
Sighting and fire control equipment . . . . .	2.6	1.2	1.1	.5	3.5	3.2	1.5	.7	.8	1.7
Other ordnance and accessories . . . . .	2.7	2.6	1.8	1.4	3.4	2.4	1.0	.8	1.8	.9
<b>LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE . . . . .</b>	5.9	5.7	5.1	4.7	6.2	5.2	4.0	2.9	1.3	1.5
Sawmills and planing mills . . . . .	5.0	4.9	4.4	4.3	5.4	4.3	3.4	2.7	1.1	.9
Sawmills and planing mills, general . . . . .	4.8	4.8	4.2	4.3	5.4	4.3	3.4	2.7	1.2	.9
Millwork, plywood, and related products . . . . .	4.7	4.9	4.2	4.3	5.1	4.0	3.4	2.3	.8	1.0
Millwork . . . . .	4.5	5.3	4.1	4.6	5.2	4.1	3.3	2.3	1.1	.9
Veneer and plywood . . . . .	4.4	4.4	4.0	3.8	5.0	3.6	3.6	2.4	.3	.4
Wooden containers . . . . .	4.7	4.4	3.9	2.8	6.8	7.9	3.0	2.1	3.2	5.2
Wooden boxes, shooks, and crates . . . . .	5.1	4.2	4.3	2.9	5.3	6.2	3.1	2.3	1.6	3.3
Miscellaneous wood products . . . . .	6.1	6.1	4.9	5.0	6.1	5.9	3.3	2.4	1.7	2.5
<b>FURNITURE AND FIXTURES . . . . .</b>	5.3	5.5	4.6	4.4	5.2	4.3	3.1	2.1	1.3	1.4
Household furniture . . . . .	5.5	5.4	4.8	4.6	4.9	4.3	3.2	2.3	.8	1.2
Wood house furniture, unupholstered . . . . .	5.1	5.0	4.5	4.5	4.8	4.1	3.3	2.5	.8	.8
Wood house furniture, upholstered . . . . .	5.9	5.2	5.1	4.4	4.1	3.1	3.0	2.0	.3	.5
Mattresses and bedsprings . . . . .	6.0	6.0	5.6	4.9	4.4	4.0	2.9	1.9	.8	1.2
Office furniture . . . . .	3.0	3.5	2.5	2.8	3.8	4.9	1.7	1.1	1.6	3.4
<b>STONE, CLAY, AND GLASS PRODUCTS . . . . .</b>	3.7	4.2	2.6	3.0	4.0	3.3	1.8	1.3	1.4	1.2
Flat glass . . . . .	3.3	6.1	1.1	1.1	2.8	2.1	.4	.3	2.2	1.6
Glass and glassware, pressed or blown . . . . .	3.5	4.4	1.9	2.6	3.4	3.6	1.6	1.1	.9	1.5
Glass containers . . . . .	2.9	4.3	2.0	2.8	3.4	2.7	1.9	1.3	.8	.6
Pressed and blown glassware, n.e.c. . . . .	4.3	4.4	1.6	2.2	3.3	5.0	1.3	.9	1.0	2.8
Cement, hydraulic . . . . .	1.4	1.6	1.0	1.3	2.6	1.2	1.1	.5	1.1	.3
Structural clay products . . . . .	4.0	3.9	2.6	2.9	4.4	3.5	2.3	1.6	1.5	1.2
Brick and structural clay tile . . . . .	5.0	4.2	3.0	3.6	4.3	3.9	2.8	2.1	.8	1.1
Pottery and related products . . . . .	4.2	3.3	2.8	2.2	2.9	2.4	1.4	1.0	.9	.7
Abrasive products . . . . .	1.5	2.0	1.5	1.5	1.9	1.2	1.0	.4	.6	.6
<b>PRIMARY METAL INDUSTRIES . . . . .</b>	2.3	2.4	1.1	1.2	3.8	3.6	1.0	.7	2.2	2.2
Blast furnace and basic steel products . . . . .	1.6	1.6	.4	.6	4.4	4.1	.6	.5	3.2	2.7
Blast furnaces, steel and rolling mills . . . . .	1.6	1.6	.2	.5	4.5	4.2	.6	.5	3.4	2.9
Iron and steel foundries . . . . .	3.8	3.6	2.5	2.2	3.5	3.4	1.5	1.1	1.3	1.3
Gray iron foundries . . . . .	4.0	3.7	2.5	2.2	3.6	3.9	1.6	1.1	1.4	1.6
Malleable iron foundries . . . . .	4.2	3.8	3.3	1.4	3.1	3.2	1.4	1.1	.6	1.0
Steel foundries . . . . .	3.0	3.3	2.0	2.4	3.5	2.4	1.2	1.0	1.4	.8
Nonferrous smelting and refining . . . . .	2.6	2.2	1.8	1.6	2.7	1.7	1.5	.6	.6	.5
Nonferrous rolling, drawing, and extruding . . . . .	1.8	3.3	1.0	1.2	2.5	3.5	.9	.6	1.2	2.4
Copper rolling, drawing, and extruding . . . . .	1.9	2.3	1.1	1.2	2.7	1.7	.8	.5	1.3	.8
Aluminum rolling, drawing, and extruding . . . . .	1.1	2.3	.3	1.0	2.0	2.6	.5	.6	1.2	1.6
Nonferrous wire drawing, and insulating . . . . .	2.3	5.6	1.4	1.4	3.1	6.4	1.2	.8	1.2	5.3
Nonferrous foundries . . . . .	4.6	3.6	3.3	2.6	4.7	3.6	2.1	1.4	1.7	1.5
Aluminum castings . . . . .	4.9	4.3	3.7	3.2	4.4	3.8	2.1	1.6	1.3	1.4
Other nonferrous castings . . . . .	4.3	3.0	3.0	2.1	4.9	3.5	2.1	1.3	2.0	1.6
Miscellaneous primary metal industries . . . . .	1.9	2.6	1.3	1.4	2.5	2.2	1.2	.6	.9	1.1
Iron and steel forgings . . . . .	2.3	2.7	1.5	1.3	2.4	2.5	1.0	.7	.9	1.4

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	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
<b>FABRICATED METAL PRODUCTS</b>	4.5	4.3	3.4	2.8	4.4	4.6	2.0	1.2	1.6	2.6
Metal cans	5.2	5.7	3.3	3.2	7.0	4.4	2.2	1.0	3.6	2.5
Cutlery, hand tools, and general hardware	3.5	2.5	2.7	1.5	3.0	3.3	1.7	.9	.8	1.3
Cutlery and hand tools, including saws	2.5	2.4	2.0	1.5	3.0	2.7	1.3	1.0	1.2	1.2
Hardware, n.e.c.	4.1	2.6	3.1	1.5	3.0	3.7	1.9	.8	.5	1.3
Heating equipment and plumbing fixtures	3.9	3.6	3.0	2.5	3.3	2.9	1.7	1.2	1.0	1.1
Sanitary ware and plumbers' brass goods	3.1	2.8	2.5	2.1	3.6	2.3	1.3	1.0	1.6	.6
Heating equipment, except electric	4.5	4.2	3.4	2.8	3.1	3.4	2.0	1.3	.5	1.5
Fabricated structural metal products	4.6	5.1	3.9	3.9	5.0	3.8	2.3	1.4	2.0	1.7
Fabricated structural steel	4.2	5.7	3.5	4.6	5.6	4.2	2.3	1.5	2.5	1.9
Fabricated plate work (boiler shops)	2.9	4.4	2.3	3.0	3.1	3.5	1.4	1.0	1.2	1.9
Architectural and miscellaneous metal work	6.8	5.2	5.5	4.4	5.3	3.3	2.4	1.5	2.2	1.3
Screw machine products, bolts, etc.	3.2	3.4	2.7	2.4	3.6	3.1	2.0	1.3	.9	1.2
Bolts, nuts, screws, rivets, and washers	2.2	2.7	1.9	2.1	2.6	2.0	1.7	.9	.3	.5
Metal stampings	4.5	4.3	2.7	1.5	4.4	8.6	1.8	.8	2.0	7.0
Miscellaneous fabricated wire products	4.5	5.2	2.8	3.0	3.8	5.0	1.8	1.4	1.2	2.8
Miscellaneous fabricated metal products	3.3	2.8	2.1	1.8	3.4	2.6	1.6	1.0	1.0	1.1
Valves, pipe, and pipe fittings	2.5	2.7	1.9	1.9	3.4	2.5	1.7	1.0	1.0	1.0
<b>MACHINERY</b>	2.7	2.9	1.8	1.9	3.2	2.8	1.4	.9	1.1	1.3
Engines and turbines	3.3	3.1	1.4	1.4	2.1	2.1	.7	.4	.9	.5
Steam engines and turbines	1.4	1.6	.7	.8	1.2	1.5	.4	.2	.2	.4
Internal combustion engines, n.e.c.	4.6	4.2	2.0	1.9	2.7	2.6	.9	.6	1.3	.5
Farm machinery and equipment	2.7	2.6	1.2	1.3	4.0	3.8	1.4	1.1	2.1	2.1
Construction and related machinery	2.6	3.2	2.0	2.2	2.8	2.4	1.6	.9	.8	1.0
Construction and mining machinery	2.3	3.2	1.8	1.9	2.9	1.7	1.4	.8	1.0	.4
Oil field machinery, and equipment	2.4	1.9	1.8	1.2	2.7	1.4	1.9	.8	.4	.2
Conveyors, hoists, and industrial cranes	3.0	3.8	2.8	3.2	2.9	1.9	2.0	1.1	.4	.3
Metalworking machinery and equipment	3.1	3.2	1.9	2.0	3.6	3.1	1.3	.9	1.6	1.6
Machine tools, metal cutting types	1.6	1.7	1.4	1.4	1.7	1.1	.9	.5	.2	.2
Machine tool accessories	1.7	2.0	1.2	1.5	1.9	1.8	1.0	.7	.3	.7
Miscellaneous metalworking machinery	1.9	2.7	1.3	1.9	2.5	1.6	1.0	.7	1.0	.4
Special industry machinery	2.2	2.0	1.6	1.4	3.0	2.4	1.4	.8	1.1	.9
Food products machinery	2.6	2.4	1.7	1.4	3.2	3.1	1.4	.9	1.2	1.5
Textile machinery	2.9	1.9	1.9	1.3	2.8	2.2	1.7	.9	.6	.7
General industrial machinery	2.0	2.3	1.5	1.5	2.6	2.0	1.2	.8	.8	.8
Pumps, air and gas compressors	1.9	2.2	1.6	1.7	3.2	2.4	1.4	1.0	1.2	.9
Ball and roller bearings	1.1	2.0	.7	1.0	2.2	1.3	.7	.5	.8	.5
Mechanical power transmission goods	1.9	2.3	1.5	1.4	2.2	1.7	1.2	.7	.6	.7
Office, computing, and accounting machines	2.6	2.7	1.8	1.7	2.4	2.2	1.4	.7	.3	.9
Computing machines and cash registers	2.4	2.6	1.7	1.7	2.4	2.0	1.3	.7	.3	.6
Service industry machines	3.3	2.7	2.1	1.7	4.4	4.9	1.9	1.1	1.9	3.1
Refrigeration, except home refrigerators	3.6	3.2	2.1	1.9	5.1	6.4	2.0	1.0	2.4	4.4
<b>ELECTRICAL EQUIPMENT AND SUPPLIES</b>	3.7	3.2	2.3	1.9	3.6	3.2	1.6	1.2	1.2	1.3
Electric distribution equipment	2.4	2.0	1.3	1.4	2.3	1.9	1.2	.8	.5	.6
Electric measuring instruments	3.2	2.2	1.6	1.5	3.2	2.3	1.6	.9	.8	.8
Power and distribution transformers	2.4	1.8	.8	1.0	1.7	1.9	.9	.7	.4	.8
Switchgear and switchboard apparatus	1.7	1.9	1.2	1.5	2.1	1.6	1.1	.7	.4	.4
Electrical industrial apparatus	2.4	2.8	1.5	1.6	2.8	2.9	1.4	1.0	.8	1.2
Motors and generators	2.5	2.5	1.5	1.4	3.3	3.0	1.4	.9	1.2	1.4
Industrial controls	2.4	2.3	1.6	1.4	2.1	1.9	1.4	.9	.1	.4
Household appliances	5.8	3.2	4.1	2.0	3.8	3.4	1.6	.9	1.5	1.8
Household refrigerators and freezers	4.9	2.7	2.5	1.2	5.5	5.6	1.8	.6	3.3	4.2
Household laundry equipment	3.4	2.8	3.0	1.9	1.7	1.2	1.2	.5	.2	.4
Electric housewares and fans	12.0	5.4	9.7	3.8	3.8	2.6	2.4	1.5	.4	.4
Electric lighting and wiring equipment	4.3	4.4	3.1	2.4	3.5	4.6	2.1	1.2	.6	2.7
Electric lamps	3.2	1.3	2.0	.5	1.3	2.2	.8	.7	.1	1.1
Lighting fixtures	4.4	6.1	2.9	3.6	3.6	5.0	1.9	1.4	1.0	2.9
Wiring devices	4.7	4.4	3.8	2.3	4.3	5.3	2.8	1.3	.6	3.4
Radio and TV receiving sets	5.4	4.5	3.5	2.8	5.0	4.0	1.8	1.5	1.9	1.1
Communication equipment	2.4	2.3	1.5	1.5	2.6	2.4	1.2	1.1	.9	.6
Telephone and telegraph apparatus	2.0	.8	1.6	.6	2.0	1.2	1.3	.7	.1	.2
Radio and TV communication equipment	2.6	2.9	1.5	1.9	2.8	2.9	1.1	1.2	1.1	.8
Electronic components and accessories	4.9	4.7	2.5	2.5	5.4	4.6	2.3	1.8	2.3	2.0
Electron tubes	1.9	1.8	.8	.8	3.3	2.6	1.2	.9	1.7	1.3
Electronic components, n.e.c.	5.9	5.8	3.1	3.1	6.1	5.2	2.6	2.0	2.5	2.2
Miscellaneous electrical equipment and supplies	3.8	3.4	2.4	2.4	3.8	3.3	1.7	1.2	1.0	1.3
Electrical equipment for engines	3.1	2.3	1.3	1.4	3.5	3.2	1.5	1.0	1.2	1.5

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	
	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963
<i>Durable Goods--Continued</i>										
<b>TRANSPORTATION EQUIPMENT</b> . . . . .	6.0	3.6	1.8	1.8	8.8	5.9	1.0	0.9	6.9	4.0
Motor vehicles and equipment . . . . .	(1)	3.0	(1)	1.1	(1)	8.2	(1)	.5	(1)	6.1
Motor vehicles . . . . .	(1)	2.4	(1)	.7	(1)	8.7	(1)	.4	(1)	7.0
Passenger car bodies . . . . .	(1)	2.4	(1)	.5	(1)	8.7	(1)	.2	(1)	5.4
Truck and bus bodies . . . . .	(1)	4.6	(1)	3.8	(1)	4.5	(1)	1.5	(1)	2.3
Motor vehicle parts and accessories . . . . .	(1)	3.4	(1)	1.1	(1)	8.2	(1)	.5	(1)	6.1
Aircraft and parts . . . . .	2.7	2.7	1.8	1.9	2.5	2.6	1.1	1.0	1.0	1.2
Aircraft . . . . .	3.1	3.0	1.9	2.1	2.4	2.6	.9	.9	1.1	1.3
Aircraft engines and engine parts . . . . .	1.6	2.1	1.1	1.4	2.0	1.8	1.1	.8	.5	.6
Other aircraft parts and equipment . . . . .	3.5	3.3	2.7	2.5	4.1	3.9	1.9	1.3	1.6	1.9
Ship and boat building and repairing . . . . .	7.0	9.4	3.7	3.6	9.8	10.2	1.9	1.9	7.2	7.6
Ship building and repairing . . . . .	7.3	9.6	3.7	3.7	10.1	10.1	1.7	1.8	7.8	7.6
Railroad equipment . . . . .	9.1	5.2	4.5	2.1	4.2	3.9	1.3	1.2	2.1	2.1
Other transportation equipment . . . . .	5.9	6.0	5.5	5.4	8.1	5.9	4.6	2.9	1.9	1.6
<b>INSTRUMENTS AND RELATED PRODUCTS</b> . . . . .	3.6	3.4	2.6	2.2	2.9	3.0	1.6	1.2	.7	1.3
Engineering and scientific instruments . . . . .	4.1	3.5	2.7	1.4	3.1	3.8	2.2	.9	.4	2.2
Mechanical measuring and control devices . . . . .	3.0	2.7	1.9	1.6	3.2	3.2	1.9	1.2	.9	1.4
Mechanical measuring devices . . . . .	2.6	2.8	1.6	1.9	2.7	3.1	1.5	1.2	.9	1.5
Automatic temperature controls . . . . .	3.5	2.6	2.2	1.1	3.8	3.4	2.4	1.3	.8	1.3
Optical and ophthalmic goods . . . . .	4.6	2.5	3.1	2.1	3.4	2.7	1.4	1.3	1.1	.9
Surgical, medical, and dental equipment . . . . .	2.4	3.4	1.8	1.9	3.3	3.4	1.7	1.2	1.0	1.6
Photographic equipment and supplies . . . . .	(1)	3.1	(1)	2.8	(1)	1.1	(1)	.6	(1)	.1
Watches and clocks . . . . .	4.5	5.2	3.4	3.8	4.2	3.3	2.3	1.5	1.3	1.2
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> . . . . .	6.1	7.0	4.3	4.1	4.9	5.2	2.7	1.8	1.4	2.6
Jewelry, silverware, and plated ware . . . . .	6.1	5.8	4.1	3.0	4.5	5.6	2.8	1.6	1.1	3.4
Toys, amusement, and sporting goods . . . . .	9.1	11.4	6.5	6.5	6.1	8.0	3.9	2.4	1.1	4.7
Toys, games, dolls, and play vehicles . . . . .	11.4	15.0	8.2	8.1	6.3	8.6	4.1	2.7	.9	4.8
Sporting and athletic goods, n.e.c. . . . .	4.7	5.0	3.3	3.5	5.7	7.0	3.6	1.9	1.3	4.4
Pens, pencils, office and art materials . . . . .	2.0	3.5	1.4	2.7	5.3	3.2	1.9	1.3	2.9	1.4
Costume jewelry, buttons, and notions . . . . .	6.9	7.7	5.1	5.1	5.7	5.3	3.2	2.4	1.7	2.1
Other manufacturing industries . . . . .	4.6	4.9	3.1	2.8	3.8	3.5	1.8	1.4	1.4	1.5
<i>Nondurable Goods</i>										
<b>FOOD AND KINDRED PRODUCTS</b> . . . . .	9.2	7.5	6.0	4.6	6.5	5.8	2.8	1.9	3.0	3.2
Meat products . . . . .	6.4	5.9	3.5	3.0	6.5	5.1	2.6	1.9	3.4	2.6
Meat packing . . . . .	5.1	5.0	1.3	1.6	6.5	4.8	1.2	.8	4.8	3.5
Poultry dressing and packing . . . . .	12.0	10.6	9.9	7.5	8.9	7.7	7.0	5.5	1.1	1.3
Grain mill products . . . . .	3.3	3.8	2.4	2.6	4.1	2.7	1.8	.9	1.7	1.2
Flour and other grain mill products . . . . .	2.8	4.1	2.5	2.5	3.2	3.0	1.5	.8	1.2	1.5
Prepared feeds for animals and fowls . . . . .	2.8	4.3	2.1	3.2	4.2	3.1	1.8	1.1	1.7	1.4
Bakery products . . . . .	3.1	3.4	2.6	2.9	3.8	3.1	2.3	1.7	.7	.7
Bread, cake, and perishable products . . . . .	3.0	3.2	2.7	2.9	3.7	2.9	2.5	1.8	.6	.5
Biscuit, crackers, and pretzels . . . . .	3.5	4.3	2.0	2.6	4.2	4.4	1.5	1.5	1.2	1.7
Confectionery and related products . . . . .	9.1	7.6	3.9	3.8	4.4	7.1	2.6	2.0	1.3	4.5
Candy and other confectionery products . . . . .	10.2	8.7	4.0	4.2	4.4	8.5	2.4	2.2	1.6	5.8
Beverages . . . . .	5.2	5.4	2.7	3.6	6.2	4.7	2.6	1.7	3.0	2.4
Malt liquors . . . . .	3.4	4.0	.9	1.6	6.8	3.7	1.3	.6	5.1	2.7
<b>TOBACCO MANUFACTURES</b> . . . . .	27.0	8.3	16.6	3.3	4.5	2.6	1.4	.8	2.7	1.3
Cigarettes . . . . .	1.1	1.1	.9	.6	1.7	.8	1.3	.3	.1	.1
Cigars . . . . .	3.4	4.5	2.7	2.2	3.4	4.7	2.2	1.8	.6	2.2

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	
	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
<b>TEXTILE MILL PRODUCTS</b> . . . . .	4.1	4.0	3.1	2.8	4.3	3.8	2.8	2.1	0.9	1.1
Cotton broad woven fabrics . . . . .	3.9	3.2	2.9	2.5	3.9	2.9	2.9	2.1	.3	.3
Silk and synthetic broad woven fabrics . . . . .	3.9	3.1	3.1	2.4	4.1	3.1	2.7	1.9	.7	.6
Weaving and finishing broad woolens . . . . .	3.6	4.3	2.1	2.6	5.5	5.2	2.4	1.9	2.4	2.5
Narrow fabrics and smallwares . . . . .	4.0	4.7	2.4	2.7	4.6	4.6	2.2	1.6	1.7	2.5
Knitting . . . . .	4.4	4.8	3.5	3.6	4.5	4.1	3.0	2.3	1.0	1.2
Full-fashioned hosiery . . . . .	4.2	4.3	3.2	2.7	3.9	3.7	3.1	2.5	.5	.8
Seamless hosiery . . . . .	3.8	3.8	2.9	2.9	4.1	3.3	2.7	2.0	1.0	.9
Knit underwear . . . . .	3.2	3.8	2.4	2.4	3.3	3.3	2.6	2.0	.4	1.0
Finishing textiles, except wool and knit . . . . .	3.0	3.7	2.1	2.1	3.3	3.6	2.0	1.4	.8	1.8
Floor covering . . . . .	4.7	4.1	3.7	3.0	4.3	2.7	2.1	1.5	1.2	.7
Yarn and thread . . . . .	5.4	4.9	4.2	3.6	5.2	4.8	3.6	2.7	.9	1.3
Miscellaneous textile goods . . . . .	3.9	4.4	2.2	2.3	4.5	4.7	2.0	1.5	1.8	2.5
<b>APPAREL AND RELATED PRODUCTS</b> . . . . .	5.6	7.1	4.0	4.0	5.7	6.4	3.1	2.5	1.9	3.0
Men's and boys' suits and coats . . . . .	2.8	3.6	2.1	2.0	3.2	3.7	1.9	1.6	.7	1.4
Men's and boys' furnishings . . . . .	4.9	5.9	3.8	4.1	5.5	4.9	4.0	3.2	.8	1.2
Men's and boys' shirts and nightwear . . . . .	5.4	5.7	4.2	4.0	6.6	5.2	4.5	3.2	1.4	1.4
Men's and boys' separate trousers . . . . .	4.7	6.9	3.8	4.5	5.0	4.6	3.9	3.3	.5	.6
Work clothing: . . . . .	4.3	5.3	3.4	4.1	4.7	4.5	4.0	3.5	.3	.5
Women's and children's undergarments . . . . .	6.5	7.2	5.2	4.6	5.2	5.9	3.7	2.8	.7	2.2
Women's and children's underwear . . . . .	7.1	8.1	5.6	5.1	5.5	7.0	4.1	3.3	.6	2.7
Corsets and allied garments . . . . .	5.4	5.7	4.6	3.7	4.6	3.9	3.0	2.0	.8	1.3
<b>PAPER AND ALLIED PRODUCTS</b> . . . . .	2.8	2.9	2.0	2.1	3.3	2.5	1.7	1.0	1.0	.8
Paper and pulp . . . . .	1.8	2.0	1.1	1.3	2.1	1.6	1.0	.5	.6	.6
Paperboard . . . . .	1.4	1.9	1.1	1.6	1.9	1.4	1.1	.6	.4	.3
Converted paper and paperboard products . . . . .	3.5	3.6	2.7	2.7	4.4	3.1	1.9	1.4	1.8	1.1
Bags, except textile bags . . . . .	4.5	4.8	3.1	3.4	4.7	4.8	2.3	2.0	1.3	1.9
Paperboard containers and boxes . . . . .	3.8	3.8	2.9	2.8	4.4	3.3	2.6	1.5	1.0	1.1
Folding and setup paperboard boxes . . . . .	4.5	4.7	3.6	3.7	4.1	3.8	2.5	1.7	.8	1.2
Corrugated and solid fiber boxes . . . . .	3.3	3.0	2.7	2.6	4.3	2.7	2.6	1.4	.9	.6
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b> . . . . .	3.2	3.2	2.3	2.5	3.4	2.6	1.9	1.3	.9	.8
<b>CHEMICALS AND ALLIED PRODUCTS</b> . . . . .	1.8	2.2	1.3	1.6	2.5	1.8	1.3	.7	.8	.7
Industrial chemicals . . . . .	1.0	1.5	.7	1.1	1.9	1.3	.9	.4	.5	.4
Plastics and synthetics, except glass . . . . .	1.6	1.7	1.3	1.2	1.8	1.3	.9	.6	.5	.5
Plastics and synthetics, except fibers . . . . .	1.7	2.1	1.4	1.5	2.2	1.5	1.2	.6	.4	.5
Synthetic fibers . . . . .	1.6	1.6	1.2	1.1	1.4	1.2	.7	.5	.5	.5
Drugs . . . . .	2.2	1.9	1.5	1.6	3.2	1.5	1.8	.8	1.0	.4
Pharmaceutical preparations . . . . .	2.5	2.1	1.6	1.7	3.7	1.7	2.2	.9	1.1	.5
Soap, cleaners, and toilet goods . . . . .	3.0	4.2	2.3	2.9	3.2	2.5	1.7	1.2	.8	.8
Soap and detergents . . . . .	2.7	4.0	2.0	1.9	2.7	1.5	1.1	.6	1.1	.5
Toilet preparations . . . . .	4.4	5.5	3.5	4.7	4.5	3.3	2.8	1.7	.7	.9
Paints, varnishes, and allied products . . . . .	1.5	2.2	1.4	1.9	3.0	1.6	2.2	.9	.2	.2
Other chemical products . . . . .	1.8	2.3	1.2	1.6	2.5	2.1	1.2	.9	1.0	.9
<b>PETROLEUM REFINING AND RELATED INDUSTRIES</b> . . . . .	1.1	1.9	.8	1.6	1.9	1.7	.9	.7	.5	.4
Petroleum refining . . . . .	.7	1.1	.4	.9	1.2	1.1	.6	.5	.2	.2
Other petroleum and coal products . . . . .	2.9	5.0	2.6	4.2	4.7	3.8	2.3	1.4	1.8	1.4
<b>RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS</b> . . . . .	3.7	4.5	2.4	2.6	4.1	4.3	2.0	1.4	1.4	2.1
Tires and inner tubes . . . . .	1.2	1.5	.6	.9	1.8	1.2	.8	.3	.5	.5
Other rubber products . . . . .	3.8	4.3	2.0	1.7	3.8	5.1	1.7	1.4	1.4	3.0
Miscellaneous plastic products . . . . .	5.1	6.7	3.9	4.5	5.7	5.4	3.1	2.1	1.8	2.3

See footnotes at end of table.

**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	
	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963	Aug. 1963	July 1963
<i>Nondurable Goods--Continued</i>										
<b>LEATHER AND LEATHER PRODUCTS</b> .....	5.7	6.6	4.0	4.2	6.1	5.6	3.6	2.5	1.5	2.3
Leather tanning and finishing .....	3.3	2.8	2.3	2.1	3.8	3.2	1.5	1.1	1.5	1.2
Footwear, except rubber .....	5.1	6.3	3.7	3.9	6.4	5.4	3.8	2.6	1.6	2.0
<b>NONMANUFACTURING</b>										
<b>METAL MINING</b> .....	2.6	2.7	1.8	1.5	2.6	2.6	1.7	1.3	.4	.6
Iron ores .....	1.2	1.4	.7	.4	1.5	.9	.5	.3	.6	.2
Copper ores .....	2.5	2.0	.7	1.1	2.1	3.1	1.0	.9	.5	1.4
<b>COAL MINING</b> .....	3.0	2.1	1.1	.9	1.9	2.6	.5	.5	.8	1.6
Bituminous .....	3.0	2.1	1.1	.9	1.8	2.6	.5	.5	.7	1.7
<b>COMMUNICATIONS:</b>										
Telephone communication .....	(1)	2.4	-	-	(1)	1.6	(1)	1.1	(1)	.1
Telegraph communication <sup>2</sup> .....	(1)	1.4	-	-	(1)	1.9	(1)	.8	(1)	.6

<sup>1</sup>Not available.

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

NOTE: Data for the current month are preliminary.

## ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

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

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

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

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

Data for the current month are preliminary.

**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963
ALABAMA <sup>1</sup> .....	4.0	4.6	2.2	2.6	3.4	3.8	1.3	1.2	1.6	2.1
Birmingham.....	2.8	4.2	1.4	2.2	3.2	2.9	.7	.7	2.1	1.7
Mobile <sup>1</sup> .....	13.7	11.8	4.2	3.6	8.0	13.8	1.2	1.3	6.0	12.1
ARIZONA.....	4.2	5.0	3.0	4.0	5.2	4.8	1.8	1.7	2.4	2.1
Phoenix.....	4.9	5.1	3.3	4.2	5.4	5.1	1.8	1.7	2.5	2.3
ARKANSAS.....	6.9	6.3	5.7	5.1	5.2	5.3	2.8	2.6	1.5	1.8
Fort Smith.....	7.7	5.3	6.8	4.4	6.2	5.1	4.1	3.2	1.1	1.1
Little Rock-North Little Rock.....	7.9	6.7	6.9	5.8	5.3	5.6	3.1	3.6	1.1	.7
Pine Bluff.....	3.5	5.1	3.0	3.7	2.9	3.0	2.3	2.1	.2	.6
CALIFORNIA <sup>1</sup> .....	4.7	5.3	3.5	3.8	4.2	4.5	1.8	1.9	1.5	1.7
Los Angeles-Long Beach <sup>1</sup> .....	4.9	5.1	3.7	3.8	4.3	4.4	2.0	1.9	1.4	1.5
Sacramento <sup>1</sup> .....	3.2	4.4	1.9	3.5	1.9	2.6	1.1	1.3	.4	.9
San Bernardino-Riverside-Ontario <sup>1</sup> .....	4.2	4.5	3.1	3.5	4.1	3.9	1.6	1.7	1.6	1.3
San Diego <sup>1</sup> .....	3.1	2.9	2.0	2.1	3.4	3.4	1.1	1.2	1.9	1.8
San Francisco-Oakland <sup>1</sup> .....	4.6	6.4	3.3	3.8	5.0	5.2	1.3	1.3	3.0	2.6
San Jose <sup>1</sup> .....	3.4	3.9	2.5	2.8	3.0	2.8	1.5	1.7	.7	.5
Stockton <sup>1</sup> .....	5.5	5.8	2.7	3.6	3.4	8.3	1.4	2.0	1.5	5.8
COLORADO.....	5.0	5.5	3.3	4.2	4.3	4.1	1.7	1.9	2.0	1.3
CONNECTICUT.....	2.6	3.2	1.9	2.4	2.1	2.2	1.2	1.1	.5	.7
Bridgeport.....	2.7	3.0	2.1	2.2	1.7	1.9	1.0	.9	.3	.7
Hartford.....	1.6	2.2	1.2	1.7	1.5	2.1	.8	.9	.2	.7
New Britain.....	2.3	3.2	1.4	2.6	2.2	2.6	1.0	1.0	.7	1.1
New Haven.....	2.5	3.0	1.8	2.4	3.2	2.8	1.6	1.1	1.0	1.1
Stamford.....	2.4	3.2	2.0	2.7	1.7	1.6	1.2	1.0	.2	.2
Waterbury.....	2.0	3.2	1.2	2.1	2.4	2.1	1.2	1.3	.9	.5
DELAWARE <sup>1</sup> .....	2.2	4.2	1.7	3.4	6.2	2.4	.9	1.0	4.8	.8
Wilmington <sup>1</sup> .....	1.8	3.5	1.4	2.7	6.0	2.0	.6	.8	4.8	.7
DISTRICT OF COLUMBIA: Washington.....	4.0	3.9	3.7	3.6	3.5	3.7	2.4	2.3	.6	.7
FLORIDA.....	5.1	4.9	3.7	3.9	4.8	5.1	2.1	2.1	1.9	2.3
Jacksonville.....	9.4	5.1	3.7	2.8	8.2	5.9	1.6	1.3	5.9	3.6
Miami.....	4.6	4.0	3.5	3.0	4.2	6.5	1.7	1.7	1.8	4.2
Tampa-St. Petersburg.....	6.6	5.0	4.1	3.3	7.1	5.5	3.1	2.0	2.2	2.8
GEORGIA.....	4.6	4.9	3.3	3.9	3.8	3.6	2.0	2.0	1.1	.9
Atlanta <sup>2</sup> .....	3.7	4.9	3.0	4.1	3.5	3.4	1.7	1.9	1.0	.7
HAWAII <sup>3</sup> .....	3.6	4.6	2.7	2.6	3.9	3.0	1.2	1.2	.9	1.2
IDAHO <sup>4</sup> .....	6.4	8.7	4.9	5.9	3.9	4.5	2.5	2.4	.9	1.8
INDIANA <sup>1</sup> .....	2.7	3.7	1.8	2.7	3.6	2.4	1.0	1.0	2.0	.8
Indianapolis <sup>5</sup> .....	2.7	3.4	1.5	2.4	3.2	2.4	.9	1.0	1.8	.9
IOWA.....	3.3	4.7	2.1	3.0	2.7	3.4	1.1	1.2	1.1	1.8
Des Moines.....	3.3	5.2	2.7	4.2	2.9	2.4	1.6	1.3	1.0	.7
KANSAS.....	3.0	5.3	2.2	3.7	3.2	3.7	1.2	1.5	1.5	1.6
Topeka.....	2.5	4.9	2.4	4.2	2.2	3.9	1.5	1.6	.2	1.5
Wichita.....	2.6	4.2	1.9	2.8	2.5	2.7	1.2	1.4	.7	.6
KENTUCKY.....	3.5	3.6	2.2	2.4	2.8	2.9	1.0	1.0	1.3	1.4
Louisville.....	3.7	3.5	2.4	2.3	2.6	3.0	.9	.8	1.0	1.7

See footnotes at end of table.

NOTE: Data for the current month are preliminary.



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

State and area	(Per 100 employees)									
	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963
LOUISIANA.....	4.6	4.9	2.2	2.9	3.4	3.1	1.1	0.8	1.7	1.6
New Orleans <sup>6</sup> .....	5.5	6.8	2.7	3.4	4.2	4.2	1.3	1.0	2.3	2.6
MAINE.....	6.9	11.1	5.0	7.5	5.3	4.9	2.6	2.7	1.9	1.4
Portland.....	6.5	5.3	5.8	4.6	3.3	3.3	2.1	2.0	.3	.9
MARYLAND.....	4.3	4.4	2.7	3.0	3.9	3.3	1.5	1.2	1.9	1.4
Baltimore.....	3.8	4.0	2.4	2.6	3.8	3.0	1.3	1.1	2.0	1.3
MASSACHUSETTS.....	5.5	4.1	2.5	2.9	5.4	3.2	1.5	1.4	3.3	1.2
Boston.....	5.0	4.0	2.3	3.0	5.2	2.9	1.3	1.3	3.2	1.0
Fall River.....	11.7	3.5	3.3	2.6	9.6	3.0	2.1	1.7	6.9	1.0
New Bedford.....	7.0	4.9	3.3	3.1	8.3	3.9	2.0	1.6	5.5	1.3
Springfield-Chicopee-Holyoke.....	4.3	4.0	2.4	2.7	4.2	2.7	1.3	1.3	2.3	.9
Worcester.....	3.4	4.2	1.7	2.7	3.4	3.0	1.1	1.0	1.7	1.4
MINNESOTA.....	4.4	6.1	2.5	4.1	4.6	3.0	1.3	1.4	2.6	1.0
Duluth-Superior.....	3.4	4.6	2.5	3.5	4.5	5.4	1.0	1.7	2.8	3.1
Minneapolis-St. Paul.....	4.1	4.5	2.3	2.9	3.9	2.9	1.2	1.2	1.9	1.0
MISSISSIPPI.....	5.6	4.8	3.8	3.7	4.5	4.7	2.2	1.9	1.7	2.2
Jackson.....	3.6	4.4	3.0	3.6	4.2	3.8	2.4	1.8	1.1	1.1
MISSOURI.....	4.2	4.8	3.0	3.4	3.6	3.2	1.6	1.5	1.4	1.2
Kansas City.....	4.2	5.0	2.8	3.4	3.7	3.5	1.6	1.4	1.6	1.4
St. Louis.....	3.4	4.0	2.5	3.0	2.8	2.6	1.2	1.0	1.0	1.0
MONTANA <sup>4</sup> .....	4.1	7.9	3.2	6.7	4.0	4.9	1.6	3.2	1.5	.8
NEBRASKA.....	3.9	5.2	2.6	3.4	4.0	4.4	1.9	2.0	1.5	1.6
NEVADA.....	5.3	6.3	5.1	6.0	6.5	5.6	4.3	4.2	1.0	.5
NEW HAMPSHIRE.....	4.4	5.0	3.3	3.7	3.9	3.8	2.4	2.2	.7	.8
NEW MEXICO.....	4.7	5.8	3.7	4.6	5.0	4.6	2.8	2.7	1.5	.6
Albuquerque.....	3.8	4.8	3.1	4.0	4.0	3.5	2.5	2.3	1.0	.3
NEW YORK.....	5.1	4.9	2.8	2.7	4.4	4.1	1.1	1.1	2.6	2.3
Albany-Schenectady-Troy.....	2.7	3.3	1.8	2.0	2.1	2.2	.6	.7	.7	.4
Binghamton.....	1.4	1.8	.8	1.2	1.5	2.7	.8	.7	.4	1.4
Buffalo.....	3.0	3.0	1.4	1.6	5.7	2.2	.6	.5	4.6	1.3
Elmira.....	2.7	3.8	2.0	2.3	3.3	2.5	.8	1.1	2.0	.9
Nassau and Suffolk Counties.....	3.8	3.6	2.7	2.9	3.8	4.6	1.3	1.4	2.0	2.3
New York City.....	7.0	5.9	3.7	3.1	5.6	5.3	1.2	1.1	3.4	3.4
Rochester.....	2.8	3.6	2.3	2.9	1.8	1.7	.9	.8	.5	.5
Syracuse.....	3.1	4.5	1.7	2.6	2.1	2.7	.9	1.0	.5	1.1
Utica-Rome.....	3.2	6.1	1.8	1.9	2.5	3.3	.7	.9	1.3	1.7
Westchester County.....	4.6	5.1	3.1	3.3	4.7	4.0	1.4	1.3	2.7	1.7
NORTH CAROLINA.....	3.7	4.2	2.9	3.4	3.4	2.9	2.1	1.8	.7	.6
Charlotte.....	3.0	3.9	2.6	3.4	2.5	2.7	1.7	1.8	.3	.3
Greensboro-High Point.....	3.9	4.2	3.5	3.6	3.4	3.0	2.5	2.1	.2	.3
NORTH DAKOTA.....	5.9	6.0	4.1	5.0	2.7	4.5	1.6	3.0	.5	1.0
Fargo-Moorhead.....	2.5	4.8	1.8	3.8	2.1	1.9	1.2	.8	.7	.7
OKLAHOMA <sup>7</sup> .....	3.6	4.5	2.9	3.7	4.6	4.4	1.7	2.0	2.4	1.9
Oklahoma City.....	3.8	5.2	3.0	3.8	3.2	4.1	1.5	2.2	1.2	1.2
Tulsa <sup>7</sup> .....	3.8	3.9	3.0	3.6	4.4	5.1	1.9	1.8	2.1	2.9

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)				Separation rates					
	Accession rates				Total		Quits		Layoffs	
	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963	July 1963	June 1963
OREGON <sup>1</sup> .....	5.6	8.6	4.9	6.9	4.6	4.9	2.3	2.6	1.6	1.4
Portland <sup>1</sup> .....	4.6	7.2	3.4	5.2	4.2	4.0	1.6	1.6	1.9	1.7
RHODE ISLAND.....	8.9	5.4	3.5	3.7	8.7	3.9	2.2	1.9	5.9	1.2
Providence-Pawtucket.....	8.1	5.3	3.3	3.7	8.1	3.6	2.1	1.7	5.4	1.1
SOUTH CAROLINA <sup>8</sup> .....	3.7	4.3	3.0	3.5	4.0	3.7	2.4	2.3	.9	.8
Charleston.....	4.6	5.8	3.2	4.4	5.2	4.6	2.3	2.3	2.1	1.4
SOUTH DAKOTA.....	3.5	7.8	2.6	4.7	4.2	3.6	2.2	2.2	1.7	1.0
Sioux Falls.....	4.1	6.3	2.3	2.9	6.1	2.8	1.5	1.2	4.5	1.3
TENNESSEE.....	3.7	3.6	2.7	2.7	2.9	2.6	1.4	1.3	1.0	.8
Chattanooga <sup>6</sup> .....	2.8	3.2	2.1	2.7	2.8	2.4	1.1	1.2	1.4	.7
Knoxville.....	1.8	2.8	1.3	2.2	1.1	1.4	.6	.8	.3	.3
Memphis.....	4.7	4.4	3.5	3.4	4.7	4.3	1.6	1.6	2.2	2.1
Nashville.....	3.4	3.3	2.8	2.6	2.7	2.1	1.6	1.4	.6	.4
TEXAS <sup>9</sup> .....	3.6	4.4	2.9	3.5	3.3	3.2	1.8	1.8	.9	.8
Dallas <sup>9</sup> .....	4.4	4.4	3.6	3.7	3.1	3.3	2.0	2.1	.5	.7
Forth Worth <sup>9</sup> .....	4.3	5.1	3.6	4.3	3.4	3.9	2.1	2.0	.9	1.2
Houston <sup>9</sup> .....	2.5	3.9	2.1	3.1	2.5	2.2	1.4	1.4	.5	.3
San Antonio <sup>9</sup> .....	2.5	4.1	2.3	3.3	3.1	2.7	1.5	1.6	.9	.4
VERMONT.....	3.5	3.6	2.4	2.5	3.0	3.6	1.4	1.5	1.1	1.5
Burlington.....	3.4	2.5	1.7	2.0	3.3	7.0	1.3	1.6	1.5	4.7
Springfield.....	1.9	3.2	1.7	2.8	1.3	1.4	.6	.8	.3	.2
VIRGINIA.....	3.4	4.2	2.6	3.2	3.2	3.3	1.7	1.6	.9	1.0
Norfolk-Portsmouth.....	3.9	5.8	2.8	4.4	3.9	4.7	1.6	1.8	1.7	2.2
Richmond.....	3.9	3.9	2.8	3.3	2.6	2.7	1.5	1.5	.5	.6
Roanoke.....	2.7	4.5	2.4	3.6	2.6	2.8	1.7	1.8	.5	.2
WASHINGTON <sup>1</sup> .....	3.6	5.3	2.6	4.1	3.6	4.0	1.7	1.9	1.3	1.3
Seattle <sup>1</sup> .....	2.7	3.8	1.9	2.7	3.3	4.2	1.5	1.9	1.2	1.5
Spokane <sup>10</sup> .....	3.9	6.6	2.5	4.4	3.1	4.1	1.2	1.4	1.4	2.0
Tacoma <sup>1</sup> .....	5.6	6.9	4.1	5.8	3.9	3.8	1.8	1.5	1.2	1.6
WEST VIRGINIA.....	3.2	3.6	1.7	2.0	2.5	2.0	.8	.7	1.2	.9
Charleston.....	1.8	2.8	1.2	2.2	1.3	1.2	.6	.5	.5	.5
Huntington-Ashland.....	3.9	3.5	1.8	2.1	1.8	1.8	1.0	.6	.5	.9
Wheeling.....	3.3	5.0	1.3	1.6	2.3	2.7	.7	.4	1.2	1.8
WYOMING <sup>4</sup> .....	6.0	9.6	5.6	8.4	5.9	6.9	3.0	4.2	2.1	1.6

<sup>1</sup> Excludes canning and preserving.  
<sup>2</sup> Excludes agricultural chemicals and miscellaneous manufacturing.  
<sup>3</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.  
<sup>4</sup> Excludes canning and preserving, and sugar.  
<sup>5</sup> Excludes canning and preserving, and newspapers.  
<sup>6</sup> Excludes printing and publishing.  
<sup>7</sup> Excludes new-hire rate for transportation equipment.  
<sup>8</sup> Excludes tobacco stemming and redrying.  
<sup>9</sup> Excludes canning and preserving, sugar, and tobacco.  
<sup>10</sup> Excludes canning and preserving, printing and publishing.  
NOTE: Data for the current month are preliminary.  
SOURCE: Cooperating State agencies listed on inside back cover.

# Technical Note

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

## INTRODUCTION

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

*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 ending nearest the 15th of the month.

### Relation between the household and payroll series

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

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

## Employment

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

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

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

## Hours of Work

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

### Comparability of the household interview data with other series

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

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

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

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

#### Comparability of the payroll employment data with other series

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

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

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

## Labor Force Data

### COLLECTION AND COVERAGE

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

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population 14 years and over. Respondents are interviewed to obtain information about the employment status of each member of the household 14 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, ending nearest the 15th 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 has been 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.

Completed interviews are obtained each month from about 35,000 households. There are about 1,500 additional sample households from which information should be collected but is not because the occupants are not found at home after repeated calls, are temporarily absent, or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. Part of the sample is changed each month. The rotation plan provides for approximately three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year ago.

## CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### ESTIMATING METHODS

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

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

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

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

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

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

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

### Reliability of the Estimates

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

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

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

Table A. Average standard error of major employment status categories

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

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

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

Table B. Standard error of level of monthly estimates

(In thousands)

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

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

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

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

(In thousands)

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

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

Table D. Standard error of percentages

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

# Establishment Data

## COLLECTION

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

### Federal-State Cooperation

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

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the data to the BLS for use in preparing the national series.

### Shuttle Schedules

Two types of data collection schedules are used: Form BLS 790—Confidential Report on Employment, Payrolls, and Hours; and Form DL 1219—Confidential 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 ending nearest the 15th of each 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 ending nearest the 15th 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 ending nearest the 15th 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 ending nearest the 15th 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 ending nearest the 15th of the month. Overtime hours are those for which premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or workweek. Weekend and holiday hours are included only if premium wage rates were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

#### **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 ending nearest the 15th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

#### ESTIMATING METHODS

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

#### The "Link Relative" Technique

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

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

## Benchmark Adjustments

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

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

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment, while the sample is used to measure the month-to-month changes in the level.

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

## THE SAMPLE

### Design

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

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

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

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

### Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. The table that follows shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Approximate size and coverage of BLS employment and payrolls sample, March 1962<sup>1</sup>

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

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

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

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

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

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

#### Reliability of the Employment Estimate

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

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

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

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

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

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

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

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

#### STATISTICS FOR STATES AND AREAS

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

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

## Seasonal Adjustment

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

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

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

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

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

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

The seasonal adjustment factors applying to current data are based on a pattern shown by past experience. These factors are revised in the light of the pattern revealed by subsequent data. Revised seasonally adjusted series for major components of the labor force based on data through December 1962 are published in the March 1963 *Employment and Earnings*. Revisions will be made annually as each additional year's data become available.

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

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

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

\*Employment statistics program only.