



EMPLOYMENT and EARNINGS

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UNITED STATES DEPARTMENT OF LABOR
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1963 ANNUAL AVERAGES

Final 1963 annual averages for establishment-based data are shown for all tables in Sections B, C, and D which cover National estimates.

STATE AND AREA SERIES

Table B-8 now includes a total nonagricultural employment series for Dallas, Texas. Previously, only manufacturing and selected nonmanufacturing data have been published.

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

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CONTENTS

Page

STATISTICAL TABLES

Section A—Labor Force, Employment, and Unemployment

A- 1: Employment status of the noninstitutional population, 1929 to date.....	1
A- 2: Employment status of the noninstitutional population, by sex, 1940, 1944, and 1947 to date.....	2
A- 3: Employment status of the noninstitutional population, by sex.....	3
A- 4: Unemployed persons, by age and sex.....	3
A- 5: Unemployed persons, by industry of last job.....	3
A- 6: Unemployed persons, by occupation of last job.....	4
A- 7: Unemployed persons, by color, marital status, and household relationship.....	4
A- 8: Unemployed persons, by duration of unemployment.....	5
A- 9: Long-term unemployed, by industry and occupation of last job.....	5
A-10: Long-term unemployed, by sex, age, color, and marital status.....	6
A-11: Unemployed persons looking for full- or part-time work, by age, sex, and occupation of last job.....	6
A-12: Total labor force, by age and sex.....	7
A-13: Employed persons, by age and sex.....	7
A-14: Employed persons, by class of worker and occupation.....	7
A-15: Employed persons, by hours worked.....	8
A-16: Employed persons, by full- or part-time status.....	8
A-17: Employed persons with a job, but not at work, by reason not working and pay status.....	8
A-18: Employment status of the noninstitutional population, by age and sex.....	9
A-19: Nonagricultural wage and salary workers, by full- or part-time status, hours of work, and industry.....	9
A-20: Persons at work in nonfarm occupations by full- or part-time status, hours of work, and occupation.....	10
A-21: Occupation group of employed persons, by sex and color.....	10
A-22: Persons at work in nonagricultural industries, by full-time and part-time status, hours of work, and selected characteristics.....	11
A-23: Persons at work, by hours of work, and class of worker.....	11
A-24: Summary employment and unemployment estimates, seasonally adjusted.....	12
A-25: Seasonally adjusted rates of unemployment.....	12
A-26: Unemployed persons, by duration of unemployment, seasonally adjusted.....	12
A-27: Employment status, by age and sex, seasonally adjusted.....	12
A-28: Persons at work in nonagricultural industries, by full- or part-time status, seasonally adjusted.....	12

Continued on following page.

EMPLOYMENT and EARNINGS

CONTENTS--Continued

Section B--Payroll Employment, by Industry

National Data

B-1: Employees on nonagricultural payrolls, by industry division, 1919 to date....	13
B-2: Employees on nonagricultural payrolls, by industry.....	14
B-3: Women employees on payrolls of selected nonagricultural industries <u>1/</u>	
B-4: Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted.....	21
B-5: Employees on nonagricultural payrolls, by industry, seasonally adjusted.....	22
B-6: Production workers on manufacturing payrolls, by industry, seasonally adjusted.....	22

State and Area Data

B-7: Employees on nonagricultural payrolls, by industry division and State.....	23
B-8: Employees on nonagricultural payrolls for selected areas, by industry division.....	26

Section C--Industry Hours and Earnings

National Data

C-1: Gross hours and earnings of production workers on manufacturing payrolls, 1919 to date.....	35
C-2: Gross hours and earnings of production workers, by industry.....	36
C-3: Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry.....	48
C-4: Gross and spendable average weekly earnings in selected industries, in current and 1957-59 dollars.....	48
C-5: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities.....	49
C-6: Average weekly hours of production workers on payrolls of selected industries, seasonally adjusted.....	50
C-7: Indexes of aggregate weekly man-hours in industrial and construction activities, seasonally adjusted.....	51

State and Area Data

C-8: Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas.....	52
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Section D--Labor Turnover

National Data

D-1: Labor turnover rates in manufacturing, 1954 to date.....	57
D-2: Labor turnover rates, by industry.....	58
D-3: Labor turnover rates in manufacturing, by sex and major industry <u>1/</u>	
D-4: Labor turnover rates in manufacturing, 1954 to date, seasonally adjusted....	63

State and Area Data

D-5: Labor turnover rates in manufacturing for selected States and areas.....	64
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Technical Note	1-E
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BLS Regional Offices	Inside back cover
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Cooperating State Agencies	Inside back cover
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1/ Quarterly data included in February, May, August, and November issues.

CAUTION

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

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

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

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

Year and month	Total noninsti- tutional popu- lation	(In thousands)									Not in labor force
		Total labor force		Civilian labor force							
				Total	Employed ¹		Unemployed ¹				
		Number	Percent of popu- lation		Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force		
								Not season- ally adjusted	Season- ally adjusted		
1929.....	(2)	49,440	(2)	49,180	47,630	10,450	37,180	1,550	3.2	-	(2)
1930.....	(2)	50,080	(2)	49,820	45,480	10,340	35,140	4,340	8.7	-	(2)
1931.....	(2)	50,680	(2)	50,420	42,400	10,290	32,110	8,020	15.9	-	(2)
1932.....	(2)	51,250	(2)	51,000	38,940	10,170	28,770	12,060	23.6	-	(2)
1933.....	(2)	51,840	(2)	51,590	38,760	10,090	28,670	12,830	24.9	-	(2)
1934.....	(2)	52,490	(2)	52,230	40,890	9,900	30,990	11,340	21.7	-	(2)
1935.....	(2)	53,140	(2)	52,870	42,260	10,110	32,150	10,610	20.1	-	(2)
1936.....	(2)	53,740	(2)	53,440	44,410	10,000	34,410	9,030	16.9	-	(2)
1937.....	(2)	54,320	(2)	54,000	46,300	9,820	36,480	7,700	14.3	-	(2)
1938.....	(2)	54,950	(2)	54,610	44,220	9,690	34,530	10,390	19.0	-	(2)
1939.....	(2)	55,600	(2)	55,230	45,750	9,610	36,140	9,480	17.2	-	(2)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	-	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	-	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	-	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	-	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	-	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	-	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	-	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	-	45,850
1948.....	108,632	62,898	57.9	61,442	59,117	7,960	51,156	2,325	3.8	-	45,733
1949.....	109,773	63,721	58.0	62,105	58,423	8,017	50,406	3,682	5.9	-	46,051
1950.....	110,929	64,749	58.4	63,099	59,748	7,497	52,251	3,351	5.3	-	46,181
1951.....	112,075	65,983	58.9	62,884	60,784	7,048	53,736	2,099	3.3	-	46,092
1952.....	113,270	66,560	58.8	62,966	61,035	6,792	54,243	1,932	3.1	-	46,710
1953 ³	115,094	67,362	58.5	63,815	61,945	6,555	55,390	1,870	2.9	-	47,732
1954.....	116,219	67,818	58.4	64,468	60,890	6,495	54,395	3,578	5.6	-	48,401
1955.....	117,388	68,896	58.7	65,848	62,944	6,718	56,225	2,904	4.4	-	48,192
1956.....	118,734	70,387	59.3	67,530	64,708	6,572	58,135	2,822	4.2	-	48,348
1957.....	120,445	70,744	58.7	67,946	65,011	6,222	58,789	2,936	4.3	-	49,699
1958.....	121,950	71,284	58.5	68,647	63,966	5,844	58,122	4,681	6.8	-	50,666
1959.....	123,366	71,946	58.3	69,394	65,581	5,836	59,745	3,813	5.5	-	51,420
1960 ⁴	125,368	73,126	58.3	70,612	66,681	5,723	60,958	3,931	5.6	-	52,242
1961.....	127,852	74,175	58.0	71,603	66,796	5,463	61,333	4,806	6.7	-	53,677
1962 ⁵	130,081	74,681	57.4	71,854	67,846	5,190	62,657	4,007	5.6	-	55,400
1963.....	132,124	75,712	57.3	72,975	68,809	4,946	63,863	4,166	5.7	-	56,412
1963: February....	131,414	73,999	56.3	71,275	66,358	4,049	62,309	4,918	6.9	5.9	57,414
March.....	131,589	74,382	56.5	71,650	67,148	4,337	62,812	4,501	6.3	5.7	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	5.5	56,686
October.....	132,682	76,086	57.3	73,344	69,891	5,350	64,541	3,453	4.7	5.6	56,596
November.....	132,853	76,000	57.2	73,261	69,325	4,777	64,548	3,936	5.4	5.9	56,852
December.....	133,025	75,201	56.5	72,461	68,615	4,039	64,576	3,846	5.3	5.5	57,824
1964: January.....	133,200	74,514	55.9	71,793	67,228	3,993	63,234	4,565	6.4	5.6	58,685
February.....	133,358	75,259	56.4	72,527	68,002	3,931	64,071	4,524	6.2	5.4	58,099

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

²Not available.

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

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

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

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

(In thousands)											
Sex, year, and month	Total noninstitutional population	Total labor force		Civilian labor force							Not in labor force
				Total	Employed ¹			Unemployed ¹			
		Number	Percent of population		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force		
									Not seasonally adjusted	Seasonally adjusted	
MALE											
1940.....	50,080	42,020	83.9	41,480	35,550	8,450	27,100	5,930	14.3	-	8,060
1944.....	51,980	46,670	89.8	35,460	35,110	7,020	28,090	350	1.0	-	5,310
1947.....	53,085	44,844	84.5	43,272	41,677	6,953	34,725	1,595	3.7	-	8,242
1948.....	53,513	45,300	84.7	43,858	42,268	6,623	35,645	1,590	3.6	-	8,213
1949.....	54,028	45,674	84.5	44,075	41,473	6,629	34,844	2,602	5.9	-	8,354
1950.....	54,526	46,069	84.5	44,442	42,162	6,271	35,891	2,280	5.1	-	8,457
1951.....	54,996	46,674	84.9	43,612	42,362	5,791	36,571	1,250	2.9	-	8,322
1952.....	55,503	47,001	84.7	43,454	42,237	5,623	36,614	1,217	2.8	-	8,502
1953 ²	56,534	47,692	84.4	44,194	42,966	5,496	37,470	1,228	2.8	-	8,840
1954.....	57,016	47,847	83.9	44,537	42,165	5,429	36,736	2,372	5.3	-	9,169
1955.....	57,484	48,054	83.6	45,041	43,152	5,479	37,673	1,889	4.2	-	9,430
1956.....	58,044	48,579	83.7	45,756	43,999	5,268	38,731	1,757	3.8	-	9,465
1957.....	58,813	48,649	82.7	45,882	43,990	5,037	38,952	1,893	4.1	-	10,164
1958.....	59,478	48,802	82.1	46,197	43,042	4,802	38,240	3,155	6.8	-	10,677
1959.....	60,100	49,081	81.7	46,562	44,089	4,749	39,340	2,473	5.3	-	11,019
1960 ³	61,000	49,507	81.2	47,025	44,485	4,678	39,807	2,541	5.4	-	11,493
1961.....	62,147	49,918	80.3	47,378	44,318	4,508	39,811	3,060	6.5	-	12,229
1962 ⁴	63,234	50,175	79.3	47,380	44,892	4,266	40,626	2,488	5.3	-	13,059
1963.....	64,163	50,573	78.8	47,867	45,330	4,021	41,309	2,537	5.3	-	13,590
1963: February.....	63,846	49,508	77.5	46,816	43,523	3,529	39,994	3,293	7.0	5.7	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	5.3	13,980
May.....	64,053	50,483	78.8	47,778	45,345	4,140	41,205	2,434	5.1	5.5	13,570
June.....	64,130	52,204	81.4	49,500	46,722	4,644	42,078	2,779	5.6	5.2	11,926
July.....	64,197	52,477	81.7	49,765	47,249	4,711	42,538	2,516	5.1	5.2	11,721
August.....	64,259	52,060	81.0	49,342	47,118	4,385	42,733	2,224	4.5	5.0	12,199
September.....	64,322	50,602	78.7	47,884	45,983	4,103	41,880	1,902	4.0	5.0	13,719
October.....	64,407	50,368	78.2	47,657	45,784	4,139	41,644	1,874	3.9	5.0	14,039
November.....	64,484	50,285	78.0	47,577	45,324	3,836	41,488	2,253	4.7	5.5	14,199
December.....	64,562	49,924	77.3	47,215	44,739	3,445	41,294	2,477	5.2	5.1	14,637
1964: January.....	64,639	49,731	76.9	47,041	44,160	3,474	40,686	2,881	6.1	5.1	14,908
February.....	64,709	49,956	77.2	47,255	44,429	3,400	41,029	2,826	6.0	4.8	14,753
FEMALE											
1940.....	50,300	14,160	28.2	14,160	11,970	1,090	10,880	2,190	15.5	-	36,140
1944.....	52,650	19,370	36.8	19,170	18,850	1,930	16,920	320	1.7	-	33,280
1947.....	54,523	16,915	31.0	16,896	16,349	1,314	15,036	547	3.2	-	37,608
1948.....	55,118	17,599	31.9	17,583	16,848	1,338	15,510	735	4.1	-	37,520
1949.....	55,745	18,048	32.4	18,030	16,947	1,386	15,561	1,083	6.0	-	37,697
1950.....	56,404	18,680	33.1	18,657	17,584	1,226	16,358	1,073	5.8	-	37,724
1951.....	57,078	19,309	33.8	19,272	18,421	1,257	17,164	851	4.4	-	37,770
1952.....	57,766	19,558	33.9	19,513	18,798	1,170	17,628	715	3.7	-	38,208
1953 ²	58,561	19,668	33.6	19,621	18,979	1,061	17,918	642	3.3	-	38,893
1954.....	59,203	19,971	33.7	19,931	18,724	1,067	17,657	1,207	6.1	-	39,232
1955.....	59,904	20,842	34.8	20,806	19,790	1,239	18,551	1,016	4.9	-	39,062
1956.....	60,690	21,808	35.9	21,774	20,707	1,306	19,401	1,067	4.9	-	38,883
1957.....	61,632	22,097	35.9	22,064	21,021	1,184	19,837	1,043	4.7	-	39,535
1958.....	62,472	22,482	36.0	22,451	20,924	1,042	19,882	1,526	6.8	-	39,990
1959.....	63,265	22,865	36.1	22,832	21,492	1,087	20,405	1,340	5.9	-	40,401
1960 ³	64,368	23,619	36.7	23,587	22,196	1,045	21,151	1,390	5.9	-	40,749
1961.....	65,705	24,257	36.9	24,225	22,478	955	21,523	1,747	7.2	-	41,448
1962 ⁴	66,848	24,507	36.7	24,474	22,954	924	22,031	1,519	6.2	-	42,341
1963.....	67,962	25,141	37.0	25,109	23,479	925	22,554	1,629	6.5	-	42,822
1963: 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	6.1	42,957
April.....	67,749	24,886	36.7	24,854	23,391	728	22,663	1,463	5.9	6.3	42,863
May.....	67,812	25,381	37.4	25,349	23,717	1,038	22,679	1,632	6.4	6.6	42,431
June.....	67,906	25,697	37.8	25,665	23,598	1,310	22,287	2,067	8.1	6.5	42,209
July.....	67,999	25,440	37.4	25,408	23,602	1,258	22,344	1,806	7.1	6.4	42,559
August.....	68,087	25,108	36.9	25,076	23,443	1,111	22,332	1,633	6.5	6.6	42,979
September.....	68,175	25,209	37.0	25,178	23,563	1,223	22,340	1,615	6.4	6.6	42,967
October.....	68,275	25,718	37.7	25,687	24,107	1,210	22,897	1,580	6.2	6.8	42,557
November.....	68,368	25,715	37.6	25,684	24,001	940	23,061	1,682	6.6	6.8	42,654
December.....	68,463	25,277	36.9	25,246	23,877	594	23,282	1,369	5.4	6.3	43,186
1964: January.....	68,560	24,783	36.1	24,752	23,068	520	22,548	1,684	6.8	6.5	43,777
February.....	68,649	25,302	36.9	25,271	23,573	531	23,042	1,698	6.7	6.5	43,346

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

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

Employment status	(In thousands)								
	Total			Male			Female		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	133,358	133,200	131,414	64,709	64,639	63,846	68,649	68,560	67,567
Total labor force	75,259	74,514	73,999	49,956	49,731	49,508	25,302	24,783	24,492
Civilian labor force	72,527	71,793	71,275	47,255	47,041	46,816	25,271	24,752	24,460
Employed	68,002	67,228	66,358	44,429	44,160	43,523	23,573	23,068	22,835
Agriculture	3,931	3,993	4,049	3,400	3,474	3,529	531	520	520
Nonagricultural industries	64,071	63,234	62,309	41,029	40,686	39,994	23,042	22,548	22,315
Unemployed	4,524	4,565	4,918	2,826	2,881	3,293	1,698	1,684	1,625
Looking for full-time work	3,839	3,936	4,267	2,438	2,576	2,943	1,401	1,360	1,324
Looking for part-time work	685	629	652	388	305	353	297	324	299
Not in labor force	58,099	58,685	57,414	14,753	14,908	14,339	43,346	43,777	43,076

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

Age and sex	Thousands of persons			Unemployment rate			Percent distribution		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	4,524	4,565	4,918	6.2	6.4	6.9	100.0	100.0	100.0
Male	2,826	2,881	3,293	6.0	6.1	7.0	62.5	63.1	67.0
14 to 19 years	478	475	506	15.5	16.0	17.4	10.6	10.4	10.3
14 and 15 years	52	33	36	9.8	6.5	6.8	1.2	.7	.7
16 to 19 years	425	442	469	16.7	17.9	19.8	9.4	9.7	9.5
20 to 24 years	500	497	481	11.1	11.1	11.1	11.1	10.9	9.8
25 to 34 years	489	552	662	5.0	5.6	6.7	10.8	12.1	13.5
35 to 44 years	475	440	595	4.3	3.9	5.3	10.5	9.6	12.1
45 to 54 years	413	460	507	4.2	4.7	5.2	9.1	10.1	10.3
55 to 64 years	350	372	416	5.3	5.6	6.3	7.7	8.1	8.5
65 years and over	120	85	128	5.8	4.3	6.1	2.7	1.9	2.6
Female	1,698	1,684	1,625	6.7	6.8	6.6	37.5	36.9	33.0
14 to 19 years	299	309	306	12.6	13.5	13.4	6.6	6.8	6.2
14 and 15 years	10	14	11	3.1	4.7	3.1	.2	.3	.2
16 to 19 years	288	295	295	14.2	14.9	15.3	6.4	6.5	6.0
20 to 24 years	293	296	248	9.4	9.7	8.6	6.5	6.5	5.0
25 to 34 years	306	284	340	7.3	7.0	8.3	6.8	6.2	6.9
35 to 44 years	342	349	338	6.2	6.4	6.1	7.6	7.6	6.9
45 to 54 years	251	270	229	4.4	4.8	4.2	5.6	5.9	4.7
55 to 64 years	163	147	134	4.8	4.4	4.1	3.6	3.2	2.7
65 years and over	44	29	29	4.5	3.2	3.3	1.0	.6	.6

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

Industry	Unemployment rate			Percent distribution		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	6.2	6.4	6.9	100.0	100.0	100.0
Experienced wage and salary workers	6.4	6.4	7.2	87.7	87.1	89.0
Agriculture	14.9	15.9	18.7	4.6	5.1	5.6
Nonagricultural industries	6.2	6.2	6.9	83.2	82.0	83.4
Mining, forestry, fisheries	8.4	9.9	12.0	1.2	1.4	1.7
Construction	17.0	17.5	22.2	11.4	11.5	17.2
Manufacturing	6.0	6.6	6.9	25.2	27.3	25.8
Durable goods	5.8	6.2	6.8	13.7	14.4	14.3
Nondurable goods	6.3	7.2	7.1	11.6	12.9	11.5
Transportation and public utilities	4.9	4.3	5.2	5.1	4.4	4.9
Wholesale and retail trade	7.2	7.1	7.4	17.5	17.0	16.6
Finance, insurance, and real estate	3.6	2.7	2.9	2.4	1.8	1.7
Service industries	4.4	4.1	4.6	14.8	13.4	13.7
Public administration	2.9	2.8	2.4	2.4	2.2	1.7
Self-employed and unpaid family workers	1.8	1.8	1.3	3.9	3.8	2.6
No previous work experience	-	-	-	8.4	9.1	8.4
14 to 19 years	-	-	-	5.9	6.3	6.0
20 years and over	-	-	-	2.4	2.8	2.4

HOUSEHOLD DATA

4

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

Occupation	Unemployment rate			Percent distribution		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	6.2	6.4	6.9	100.0	100.0	100.0
White-collar workers	3.0	3.0	3.1	20.9	20.7	19.3
Professional and technical	1.7	1.9	1.8	3.2	3.6	3.1
Managers, officials, and proprietors	1.7	1.9	1.4	2.9	3.2	2.1
Clerical workers	4.5	4.0	4.2	11.0	9.4	8.9
Sales workers	3.9	4.7	5.6	3.8	4.4	5.2
Blue-collar workers	8.9	9.0	10.2	52.1	52.2	54.1
Craftsmen and foremen	6.5	6.2	8.2	13.0	12.4	15.2
Operatives	8.5	9.1	9.1	25.7	27.0	24.6
Nonfarm laborers	15.9	15.8	18.4	13.4	12.8	14.4
Service workers	6.8	6.6	6.9	14.5	13.4	13.5
Private household workers	4.9	5.7	6.5	2.7	3.0	3.4
Other service workers	7.4	6.9	7.0	11.8	10.5	10.0
Farm workers	4.8	5.3	5.9	4.0	4.6	4.8
Farmers and farm managers .....	.6	.8	.5	.3	.4	.3
Farm laborers and foremen	10.4	11.2	13.6	3.8	4.2	4.5
No previous work experience	-	-	-	8.4	9.1	8.4

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

Characteristics	Thousands of persons			Unemployment rate			Percent distribution		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
COLOR									
Total	4,524	4,565	4,918	6.2	6.4	6.9	100.0	100.0	100.0
White, total	3,629	3,608	3,880	5.6	5.6	6.1	80.2	79.0	78.9
Male	2,299	2,313	2,669	5.4	5.5	6.3	50.8	50.7	54.3
Female	1,331	1,295	1,210	6.0	6.0	5.7	29.4	28.4	24.6
Nonwhite, total	895	958	1,038	11.2	12.2	13.3	19.8	21.0	21.1
Male	527	569	623	11.1	12.2	13.5	11.6	12.5	12.7
Female	368	389	414	11.4	12.2	13.1	8.1	8.5	8.4
MARITAL STATUS									
Total	4,524	4,565	4,918	6.2	6.4	6.9	100.0	100.0	100.0
Male	2,826	2,881	3,293	6.0	6.1	7.0	62.5	63.1	67.0
Married, wife present	1,509	1,542	1,854	4.1	4.2	5.1	33.4	33.8	37.7
Single	1,050	1,073	1,118	13.3	13.7	14.4	23.2	23.5	22.7
14 to 19 years	462	458	496	15.9	16.4	18.2	10.2	10.0	10.1
20 years and over	588	614	623	11.7	12.2	12.3	13.0	13.4	12.7
Other marital status	267	267	322	10.6	10.9	13.0	5.9	5.8	6.5
Female	1,698	1,684	1,625	6.7	6.8	6.6	37.5	36.9	33.0
Married, husband present	859	866	821	6.0	6.2	6.0	19.0	19.0	16.7
Single	408	443	409	7.1	7.8	7.3	9.0	9.7	8.3
14 to 19 years	229	252	251	11.2	12.8	12.6	5.1	5.5	5.1
20 years and over	179	191	158	4.8	5.2	4.4	4.0	4.2	3.2
Other marital status	430	376	394	8.3	7.3	7.5	9.5	8.2	8.0
HOUSEHOLD RELATIONSHIP									
Total	4,524	4,565	4,918	6.2	6.4	6.9	100.0	100.0	100.0
Household head	2,007	2,014	2,296	4.5	4.5	5.2	44.4	44.1	46.7
Living with relatives	1,651	1,710	1,980	4.2	4.3	5.1	36.5	37.5	40.3
Not living with relatives	356	304	316	7.0	6.0	6.6	7.9	6.7	6.4
Wife of head	825	839	813	5.9	6.1	6.1	18.2	18.4	16.5
Other relative of head	1,568	1,589	1,673	12.6	13.1	13.8	34.7	34.8	34.0
Non-relative of head	125	123	137	8.1	8.0	9.0	2.8	2.7	2.8

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

Duration of unemployment	Thousands of persons			Percent distribution			Category	Thousands of persons			Percent distribution		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963		Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	4,524	4,565	4,918	100.0	100.0	100.0	Total	4,524	4,565	4,918	100.0	100.0	100.0
Less than 5 weeks	1,669	2,069	1,814	36.9	45.3	36.9	Persons on temporary layoff	132	178	130	2.9	3.9	2.6
5 to 14 weeks	1,692	1,390	1,801	37.4	30.4	36.6							
5 and 6 weeks	436	384	449	9.6	8.4	9.1							
7 to 10 weeks	800	604	866	17.7	13.2	17.6							
11 to 14 weeks	455	402	485	10.1	8.8	9.9	Persons scheduled to begin new jobs within 30 days	91	116	117	2.0	2.5	2.4
15 weeks and over	1,163	1,106	1,303	25.7	24.2	26.5							
15 to 26 weeks	654	605	684	14.5	13.3	13.9							
27 weeks and over	510	501	619	11.3	11.0	12.6	All other unemployed	4,301	4,271	4,671	95.1	93.6	95.0
Average (mean) duration ..	13.4	12.8	14.3	-	-	-							

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		
	Feb. 1964	Feb. 1963	Feb. 1964	Feb. 1963	Feb. 1964	Feb. 1963	Feb. 1964	Feb. 1963	
INDUSTRY									
Total	25.7	26.5	100.0	100.0	11.3	12.6	100.0	100.0	100.0
Experienced wage and salary workers	24.7	25.6	84.3	85.8	10.2	11.9	80.0	83.7	85.9
Agriculture	20.9	20.0	3.7	4.2	5.8	3.6	2.4	1.6	1.9
Nonagricultural industries	24.9	25.9	80.6	81.6	10.5	12.4	77.6	82.1	84.0
Mining, forestry, fisheries	(1)	(1)	2.3	2.1	(1)	(1)	3.5	2.9	.9
Construction	19.0	20.2	10.7	13.1	5.2	5.8	6.7	7.9	5.3
Manufacturing	27.1	30.8	26.7	29.9	11.4	14.0	25.7	28.7	26.2
Durable goods	29.9	31.0	15.9	16.7	13.1	14.7	15.9	16.6	14.8
Nondurable goods	23.9	30.4	10.8	13.2	9.5	13.3	9.8	12.1	11.4
Transportation and public utilities	34.6	35.6	6.9	6.5	16.5	20.1	7.5	7.7	6.5
Wholesale and retail trade	22.9	23.6	15.6	14.8	10.4	11.5	16.1	15.2	15.1
Finance, insurance, and real estate, and service industries	23.8	22.2	15.9	13.0	10.5	13.3	16.1	16.3	24.9
Public administration	26.6	(1)	2.5	2.1	9.2	(1)	2.0	3.4	5.2
Self-employed and unpaid family workers	27.8	31.8	4.2	3.1	12.5	14.0	4.3	2.9	13.5
No previous work experience	35.3	35.0	11.5	11.1	21.1	20.2	15.7	13.4	.5
OCCUPATION									
Total	25.7	26.5	100.0	100.0	11.3	12.6	100.0	100.0	100.0
White-collar workers	23.9	23.8	19.4	17.3	11.2	13.6	20.7	20.8	44.2
Professional and technical	25.0	22.9	3.2	2.7	6.8	17.0	1.9	4.2	12.2
Managers, officials, and proprietors	33.3	26.9	3.7	2.1	16.3	22.1	4.1	3.7	10.5
Clerical workers	25.0	24.1	10.6	8.1	11.5	11.0	11.1	7.8	15.3
Sales workers	12.6	22.4	1.9	4.4	10.3	12.6	3.5	5.2	6.2
Blue-collar workers	25.4	27.2	51.5	55.4	10.0	11.6	46.0	49.8	36.7
Craftsmen and foremen	27.2	24.8	13.7	14.2	9.3	8.2	10.7	9.9	12.5
Operatives	24.8	27.9	24.7	25.9	10.8	12.0	24.6	23.4	18.9
Nonfarm laborers	25.0	28.3	13.0	15.3	9.1	14.4	10.7	16.5	5.3
Service workers	25.3	24.3	14.2	12.3	11.7	14.0	15.0	15.0	13.4
Private household workers	12.4	13.0	1.3	1.7	5.8	11.8	1.4	3.2	3.4
Other service workers	28.2	28.2	13.0	10.7	13.1	14.8	13.6	11.8	9.9
Farm workers	21.9	21.7	3.4	3.9	7.7	2.6	2.7	1.0	5.3
Farmers and farm managers	(1)	(1)	.2	.4	-	(1)	-	.2	3.0
Farm laborers and foremen	22.4	20.7	3.3	3.5	8.2	2.3	2.7	.8	2.3
No previous work experience	35.3	35.0	11.5	11.1	21.1	20.2	15.7	13.4	.5

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

HOUSEHOLD DATA

6

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		
	Feb. 1964	Feb. 1963	Feb. 1964	Feb. 1963	Feb. 1964	Feb. 1963	Feb. 1964	Feb. 1963	
AGE									
Total	25.7	26.5	100.0	100.0	11.3	12.6	100.0	100.0	100.0
Male	27.1	28.1	65.8	71.0	11.1	13.4	61.8	71.6	65.2
14 to 19 years	23.8	28.3	9.8	11.0	9.4	11.9	8.8	9.7	4.2
20 to 24 years	20.0	20.6	8.6	7.6	5.4	7.5	5.3	5.8	6.2
25 to 44 years	23.8	25.3	19.7	24.4	7.9	10.1	14.9	20.5	29.0
45 years and over	36.5	34.8	27.7	28.1	18.9	20.9	32.7	35.5	25.7
Female	23.4	23.3	34.2	29.0	11.5	10.8	38.2	28.4	34.8
14 to 19 years	20.4	20.6	5.2	4.8	12.7	12.4	7.5	6.1	3.3
20 to 24 years	21.8	16.5	5.5	3.1	10.6	6.0	6.1	2.4	4.3
25 to 44 years	21.9	24.0	12.2	12.5	9.6	10.6	12.2	11.6	13.4
45 years and over	28.4	28.3	11.2	8.5	14.0	13.0	12.5	8.2	13.9
COLOR									
Total	25.7	26.5	100.0	100.0	11.3	12.6	100.0	100.0	100.0
White, total	25.2	25.9	78.6	76.9	11.1	11.9	78.8	74.8	89.0
Male	26.6	26.7	52.6	54.6	11.3	12.6	50.8	54.5	58.6
Female	22.8	24.0	26.0	22.3	10.7	10.3	28.0	20.2	30.4
Nonwhite, total	27.8	28.9	21.4	23.1	12.1	15.1	21.2	25.2	11.0
Male	29.4	34.2	13.3	16.3	10.6	17.0	11.0	17.2	6.5
Female	25.5	21.3	8.1	6.8	14.1	12.1	10.2	8.1	4.5
MARITAL STATUS									
Total	25.7	26.5	100.0	100.0	11.3	12.6	100.0	100.0	100.0
Male	27.1	28.1	65.8	71.0	11.1	13.4	61.8	71.6	65.2
Married, wife present	26.2	27.5	34.0	39.1	10.5	12.9	31.0	38.6	50.8
Single	26.2	27.6	23.7	23.8	10.3	13.6	21.2	24.6	10.9
14 to 19 years	24.2	27.2	9.6	10.3	9.7	12.1	8.8	9.7	4.0
20 years and over	27.9	28.1	14.1	13.4	10.7	14.8	12.4	14.9	6.9
Other marital status	36.0	33.0	8.2	8.1	18.0	16.5	9.4	8.6	3.5
Female	23.4	23.3	34.2	29.0	11.5	10.3	38.2	28.4	34.8
Married, husband present	21.9	23.4	16.1	14.7	9.0	7.3	15.1	9.7	19.8
Single	25.7	23.7	9.1	7.5	13.0	15.6	10.4	10.3	7.9
14 to 19 years	22.3	21.5	4.4	4.1	12.2	13.5	5.5	5.5	2.8
20 years and over	30.7	27.8	4.7	3.4	14.0	19.0	4.9	4.8	5.1
Other marital status	24.2	22.6	8.9	6.8	15.1	12.9	12.8	8.2	7.1

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				Looking for full-time work	Looking for part-time work		
	Feb. 1964	Feb. 1964	Feb. 1964	Jan. 1964		Feb. 1964	Feb. 1964	Feb. 1964	Jan. 1964
Total.	100.0	100.0	15.1	13.8	Total.	100.0	100.0	15.1	13.8
Male	63.5	56.7	13.7	10.6	White-collar workers	21.0	20.3	15.0	16.1
14 to 19 years	6.5	33.9	48.3	41.9	Professional and technical	3.3	3.0	14.3	20.7
Major activity:					Managers, officials, and proprietors	3.0	1.9	10.0	2.1
Going to school . . . . .	.2	32.3	96.5	95.7	Clerical workers	11.1	10.2	14.1	16.7
All other	6.2	1.6	4.4	-	Sales workers	3.6	5.2	20.7	20.7
20 to 24 years	11.9	6.2	8.6	7.0	Blue-collar workers	55.9	31.2	9.1	6.2
25 to 34 years	35.2	3.8	1.9	1.4	Craftsmen and foremen	14.5	4.9	5.8	4.8
35 years and over	9.9	12.8	18.7	11.2	Operatives	27.6	14.8	8.8	5.0
Female	36.5	43.3	17.5	19.2	Nonfarm laborers	13.8	11.5	13.0	10.4
14 to 19 years	5.2	14.8	33.8	35.0	Service workers	13.8	18.6	19.6	17.3
Major activity:					Private household workers	2.5	3.8	21.3	30.9
Going to school . . . . .	.4	11.8	(1)	86.0	Other service workers	11.2	14.8	19.1	13.4
All other	4.7	3.1	10.4	5.1	Farm workers	3.8	5.5	20.8	17.3
20 to 24 years	6.8	4.2	9.9	13.5	Farmers and farm managers . . . . .	.3	.4	(1)	(1)
25 to 34 years	19.9	19.6	15.0	16.2	Farm laborers and foremen	3.5	5.1	20.6	16.8
35 years and over	4.6	4.7	15.4	17.0	No previous work experience	5.5	24.4	44.0	44.5

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

HOUSEHOLD DATA

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

Age and sex	Thousands of persons			Labor force participation rate		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	75,259	74,514	73,999	56.4	55.9	56.3
Male	49,956	49,731	49,508	77.2	76.9	77.5
14 to 19 years	3,576	3,467	3,403	36.7	35.7	36.1
14 and 15 years . . .	534	500	534	15.2	14.2	14.9
16 and 17 years . . .	1,228	1,162	1,031	35.5	33.9	33.9
18 and 19 years . . .	1,814	1,805	1,837	65.6	65.3	65.5
20 to 24 years	5,444	5,442	5,274	85.5	85.7	86.8
25 to 34 years	10,616	10,590	10,633	97.4	97.1	97.1
35 to 44 years	11,556	11,571	11,599	97.3	97.4	97.7
45 to 54 years	10,014	9,974	9,861	95.9	95.6	95.6
55 to 64 years	6,670	6,698	6,644	85.2	85.6	86.3
55 to 59 years	3,899	3,889	3,831	91.2	91.1	91.0
60 to 64 years	2,771	2,809	2,813	77.9	79.1	80.7
65 years and over . .	2,078	1,990	2,098	27.5	26.4	27.9
Female	25,302	24,783	24,492	36.9	36.1	36.2
14 to 19 years	2,371	2,288	2,287	24.9	24.1	24.9
14 and 15 years . . .	334	304	351	9.8	8.9	10.1
16 and 17 years . . .	754	748	660	22.3	22.3	22.3
18 and 19 years . . .	1,283	1,236	1,276	46.9	45.2	46.3
20 to 24 years	3,132	3,059	2,900	48.8	47.9	47.4
25 to 34 years	4,186	4,077	4,118	37.3	36.3	36.5
35 to 44 years	5,550	5,494	5,556	44.4	44.0	44.6
45 to 54 years	5,662	5,629	5,467	51.5	51.3	50.6
55 to 64 years	3,413	3,336	3,293	40.1	39.3	39.5
55 to 59 years	2,126	2,093	2,022	46.6	45.9	45.2
60 to 64 years	1,287	1,243	1,271	32.6	31.6	32.9
65 years and over . .	985	898	869	10.4	9.5	9.3

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

Age and sex	(In thousands)					
	Male			Female		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
All industries	44,429	44,160	43,523	23,573	23,068	22,835
14 to 19 years	2,598	2,495	2,398	2,065	1,972	1,975
20 to 24 years	3,996	4,001	3,849	2,830	2,753	2,641
25 to 34 years	9,369	9,281	9,214	3,873	3,787	3,771
35 to 44 years	10,678	10,730	10,601	5,204	5,142	5,214
45 to 54 years	9,515	9,427	9,267	5,409	5,357	5,235
55 to 64 years	6,315	6,321	6,223	3,250	3,190	3,159
65 years and over . .	1,958	1,904	1,970	941	868	840
Nonagricultural industries	41,029	40,686	39,994	23,042	22,548	22,315
14 to 19 years	2,248	2,152	2,020	2,021	1,928	1,955
20 to 24 years	3,754	3,760	3,628	2,815	2,733	2,607
25 to 34 years	8,949	8,822	8,756	3,783	3,714	3,698
35 to 44 years	10,093	10,118	9,966	5,085	5,021	5,089
45 to 54 years	8,836	8,722	8,548	5,277	5,235	5,115
55 to 64 years	5,631	5,633	5,537	3,174	3,093	3,048
65 years and over . .	1,516	1,479	1,538	886	823	803
Agriculture	3,400	3,474	3,529	531	520	520
14 to 19 years	350	343	378	44	44	21
20 to 24 years	242	241	221	15	19	35
25 to 34 years	419	461	458	90	74	73
35 to 44 years	585	612	635	119	120	125
45 to 54 years	679	705	718	132	121	120
55 to 64 years	685	688	685	75	96	111
65 years and over . .	442	425	434	55	45	37

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

Characteristics	(In thousands)								
	Total			Male			Female		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
CLASS OF WORKER									
Total	68,002	67,228	66,358	44,429	44,160	43,523	23,573	23,068	22,835
Nonagricultural industries	64,071	63,234	62,309	41,029	40,686	39,994	23,042	22,548	22,315
Wage and salary workers	57,184	56,500	55,515	36,064	35,808	35,048	21,120	20,692	20,467
Private household workers	2,514	2,439	2,557	211	249	208	2,303	2,190	2,349
Government workers	9,520	9,397	9,271	5,593	5,497	5,477	3,927	3,900	3,793
Other wage and salary workers	45,150	44,664	43,687	30,260	30,062	29,363	14,890	14,602	14,325
Self-employed workers	6,312	6,180	6,254	4,893	4,821	4,894	1,420	1,360	1,360
Unpaid family workers	574	554	538	73	57	53	502	497	485
Agriculture	3,931	3,993	4,049	3,400	3,474	3,529	531	520	520
Wage and salary workers	1,181	1,226	1,199	1,079	1,112	1,077	102	114	122
Self-employed workers	2,217	2,259	2,340	2,110	2,151	2,226	107	108	113
Unpaid family workers	533	508	512	212	211	226	322	298	285
OCCUPATION									
Total	68,002	67,228	66,358	44,429	44,160	43,523	23,573	23,068	22,835
White-collar workers	31,086	30,788	30,095	17,675	17,469	17,215	13,414	13,321	12,880
Professional and technical	8,733	8,678	8,409	5,486	5,438	5,250	3,247	3,242	3,159
Managers, officials, and proprietors	7,483	7,473	7,340	6,358	6,360	6,263	1,126	1,114	1,077
Clerical workers	10,581	10,474	10,047	3,185	3,153	3,072	7,397	7,321	6,975
Sales workers	4,289	4,163	4,299	2,646	2,518	2,630	1,644	1,644	1,669
Blue-collar workers	24,235	23,991	23,537	20,126	20,339	19,791	3,810	3,650	3,746
Craftsmen and foremen	8,481	8,604	8,294	8,229	8,353	8,035	251	249	260
Operatives	12,551	12,256	12,115	9,083	8,942	8,723	3,469	3,314	3,392
Nonfarm laborers	3,203	3,131	3,128	3,114	3,044	3,033	90	87	94
Service workers	9,036	8,723	8,958	3,156	3,086	3,208	5,879	5,637	5,751
Private household workers	2,364	2,230	2,412	61	57	57	2,303	2,173	2,355
Other service workers	6,672	6,493	6,546	3,095	3,029	3,151	3,576	3,464	3,396
Farm workers	3,646	3,729	3,767	3,173	3,268	3,311	473	462	456
Farmers and farm managers	2,179	2,222	2,353	2,069	2,118	2,236	110	104	117
Farm laborers and foremen	1,467	1,507	1,414	1,104	1,150	1,075	363	358	339

Table A-15: Employed persons, by hours worked

(In thousands)

Hours worked	All industries			Nonagricultural industries			Agriculture		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	68,002	67,228	66,358	64,071	63,234	62,309	3,931	3,993	4,049
With a job but not at work	2,326	2,549	2,698	2,103	2,255	2,432	223	294	267
At work	65,676	64,678	63,659	61,968	60,979	59,876	3,708	3,699	3,783
1-34 hours	14,614	15,393	14,333	13,015	13,801	12,812	1,601	1,592	1,520
1-4 hours	1,131	1,004	981	1,061	924	891	69	79	90
5-14 hours	3,714	3,710	3,738	3,260	3,240	3,347	455	470	393
15-34 hours	9,770	10,679	9,614	8,694	9,637	8,573	1,077	1,042	1,040
35 hours or more	51,062	49,285	49,327	48,953	47,179	47,063	2,108	2,108	2,261
35-40 hours	30,536	29,410	29,254	29,968	28,842	28,705	568	570	548
41 hours and over	20,526	19,875	20,073	18,985	18,337	18,358	1,540	1,538	1,713
Average hours, total at work	39.5	39.3	39.6	39.5	39.3	39.6	38.7	38.5	40.7

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

(In thousands)

Full- or part-time status	All industries			Nonagricultural industries		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	68,002	67,228	66,358	64,071	63,234	62,309
With a job but not at work	2,326	2,549	2,698	2,103	2,255	2,432
At work	65,676	64,678	63,659	61,968	60,979	59,876
On full-time schedules	54,898	54,419	53,396	52,289	51,800	50,617
35 hours or more	51,062	49,285	49,327	48,953	47,179	47,063
1-34 hours for noneconomic reasons	3,836	5,134	4,069	3,336	4,621	3,554
Bad weather	1,004	3,351	1,095	620	2,936	719
Industrial dispute	5	30	14	5	30	14
Vacation	121	116	106	115	106	97
Illness	979	929	1,215	944	907	1,149
Holiday	1,028	42	969	1,028	41	969
All other reasons	699	666	670	624	601	606
On part time for economic reasons	2,475	2,412	2,471	2,142	2,072	2,186
Usually work full time	1,225	1,256	1,191	1,036	1,057	1,005
Average hours	23.9	23.0	23.2	24.4	23.6	23.7
Usually work part time	1,250	1,156	1,280	1,106	1,015	1,181
Average hours	16.6	17.0	17.3	17.0	17.4	17.3
On part time for noneconomic reasons; usually work part time	8,304	7,847	7,793	7,536	7,107	7,072

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

(In thousands)

Reason not working	All industries			Nonagricultural industries								
				Total			Wage and salary workers					
							Number			Percent paid		
	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963	Feb. 1964	Jan. 1964	Feb. 1963
Total	2,326	2,549	2,698	2,103	2,255	2,432	1,689	1,796	1,953	39.9	34.4	36.8
Bad weather	177	433	318	103	313	226	61	216	146	(1)	6.0	2.1
Industrial dispute	25	33	29	25	33	29	25	33	29	-	-	-
Vacation	439	323	404	422	305	380	346	260	304	82.9	73.1	76.0
Illness	1,060	1,177	1,291	1,001	1,104	1,210	868	941	1,070	37.3	36.6	40.7
All other reasons	625	582	656	552	499	587	390	346	404	14.9	20.5	12.6

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

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

February 1964 (In thousands)														
Age, sex, and color	Total labor force		Civilian labor force						Not in labor force					
	Number	Percent of population	Total	Employed			Unemployed		Total	Keeping house	In school	Unable to work	Other	
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force						
Male	49,956	77.2	47,255	44,429	3,400	41,029	2,826	6.0	14,753	131	6,884	1,195	6,543	
14 and 15 years	534	15.2	534	482	83	399	52	9.8	2,975	5	2,930	5	35	
16 and 17 years	1,228	35.5	1,177	954	144	810	223	19.0	2,235	8	2,171	7	49	
18 and 19 years	1,814	65.6	1,365	1,162	123	1,039	202	14.8	951	4	878	7	61	
20 to 24 years	5,444	85.5	4,497	3,996	242	3,754	500	11.1	926	4	769	36	118	
25 to 29 years	5,242	96.7	4,815	4,547	187	4,360	268	5.6	177	-	82	24	72	
30 to 34 years	5,374	98.0	5,043	4,822	232	4,589	221	4.4	109	1	16	33	58	
35 to 39 years	5,786	97.6	5,556	5,284	302	4,982	272	4.9	144	-	15	45	84	
40 to 44 years	5,770	97.0	5,597	5,394	283	5,111	203	3.6	178	5	14	64	96	
45 to 49 years	5,283	96.9	5,218	5,002	335	4,667	216	4.1	168	4	2	55	107	
50 to 54 years	4,731	94.8	4,710	4,513	344	4,169	197	4.2	260	6	7	82	165	
55 to 59 years	3,899	91.2	3,895	3,713	401	3,312	182	4.7	375	7	-	98	270	
60 to 64 years	2,771	77.9	2,770	2,602	284	2,319	168	6.1	785	10	-	174	600	
65 to 69 years	1,441	40.7	1,441	1,053	185	868	88	7.7	1,660	11	-	142	1,506	
70 years and over	937	19.7	937	905	257	648	32	3.4	3,811	66	-	423	3,321	
White	45,003	77.5	42,512	40,213	2,950	37,263	2,299	5.4	13,102	124	6,051	1,041	5,886	
Nonwhite	4,954	75.0	4,744	4,216	450	3,766	527	11.1	1,651	7	833	154	657	
Female	25,302	36.9	25,271	23,573	531	23,042	1,698	6.7	43,346	34,936	6,723	722	966	
14 and 15 years	334	9.8	334	324	6	318	10	3.1	3,076	40	3,003	5	28	
16 and 17 years	754	22.3	754	659	25	634	95	12.7	2,631	219	2,382	2	28	
18 and 19 years	1,282	46.9	1,276	1,083	14	1,069	193	15.1	1,451	555	859	3	34	
20 to 24 years	3,132	48.8	3,122	2,830	15	2,815	293	9.4	3,279	2,822	390	17	49	
25 to 29 years	2,097	37.7	2,093	1,917	34	1,883	176	8.4	3,462	3,393	14	18	38	
30 to 34 years	2,089	36.8	2,086	1,956	56	1,900	130	6.2	3,581	3,495	32	20	34	
35 to 39 years	2,577	41.5	2,575	2,411	54	2,357	164	6.4	3,630	3,561	8	14	47	
40 to 44 years	2,973	47.3	2,971	2,793	65	2,728	178	6.0	3,307	3,210	17	27	53	
45 to 49 years	2,926	51.0	2,925	2,792	57	2,735	133	4.5	2,806	2,721	6	29	50	
50 to 54 years	2,736	52.1	2,735	2,617	75	2,542	118	4.3	2,519	2,447	2	24	46	
55 to 59 years	2,126	46.6	2,126	2,021	39	1,982	105	4.9	2,438	2,352	-	34	52	
60 to 64 years	1,287	32.6	1,287	1,229	36	1,192	58	4.5	2,655	2,528	5	41	81	
65 to 69 years	632	19.0	632	613	28	585	19	3.1	2,698	2,542	-	66	89	
70 years and over	353	5.7	353	328	27	301	25	7.0	5,814	5,051	3	421	339	
White	22,064	36.0	22,035	20,704	497	20,208	1,331	6.0	39,210	31,950	5,846	613	801	
Nonwhite	3,239	43.9	3,237	2,869	35	2,834	368	11.4	4,136	2,986	876	109	165	

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

Industry	February 1964 (Percent distribution)									
	Full- or part-time status					Hours of work				
	Total at work	On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over
			Economic reasons		Other reasons					
			Usually work full time	Usually work part time	Usually work part time					
Total ¹	100.0	84.8	1.7	1.8	11.8	100.0	20.8	51.5	14.6	13.2
Construction	100.0	88.9	4.9	2.5	3.7	100.0	25.2	51.1	15.4	8.3
Manufacturing	100.0	93.7	2.4	.8	3.2	100.0	11.4	62.9	15.4	10.4
Durable goods	100.0	96.6	1.5	.6	1.2	100.0	8.5	65.9	15.4	10.1
Nondurable goods	100.0	89.5	3.6	1.0	5.8	100.0	15.1	58.7	15.4	10.7
Transportation and public utilities	100.0	92.8	1.6	1.7	3.9	100.0	13.5	60.4	13.2	12.9
Wholesale and retail trade	100.0	77.4	1.3	2.3	19.0	100.0	25.5	37.9	18.8	17.8
Finance, insurance, and real estate	100.0	90.5	.5	.5	8.5	100.0	17.4	59.1	11.0	12.5
Service industries	100.0	71.6	.9	3.2	24.3	100.0	33.0	39.6	12.8	14.6

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

HOUSEHOLD DATA

10

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

February 1964												
(Percent distribution)												
Occupation	Full or part-time status						Hours of work					
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 to 48 hours	49 hours and over	Average hours, total at work
				Economic reasons		Other reasons						
	Thousands	Percent		Usually work full time	Usually work part time	Usually work part time						
White-collar workers	30,088	100.0	86.7	0.5	0.7	12.2	100.0	18.5	47.7	13.6	20.3	40.9
Professional and technical.	8,546	100.0	88.1	.2	.5	11.1	100.0	17.7	45.8	15.0	21.4	41.0
Managers, officials, and proprietors	7,136	100.0	95.2	.7	.3	3.9	100.0	8.8	32.3	17.5	41.5	48.8
Clerical workers	10,297	100.0	85.8	.5	.8	13.0	100.0	20.4	65.6	9.4	4.7	37.1
Sales workers	4,109	100.0	70.7	.7	1.7	26.9	100.0	31.8	33.9	14.2	20.1	36.8
Blue-collar workers	23,383	100.0	89.3	3.4	1.9	5.3	100.0	17.2	54.0	16.3	12.4	39.9
Craftsmen and foremen	8,184	100.0	94.0	2.4	1.0	2.6	100.0	12.6	55.0	19.4	13.0	41.3
Operatives	12,112	100.0	89.6	3.8	1.7	4.9	100.0	16.1	55.2	15.3	13.4	40.4
Nonfarm laborers	3,087	100.0	75.9	1.4	5.3	14.4	100.0	33.8	46.9	12.1	7.2	34.4
Service workers	8,770	100.0	63.3	1.3	5.0	30.4	100.0	40.1	34.4	13.0	12.5	33.8
Private household workers	2,311	100.0	33.2	.7	11.5	54.6	100.0	68.9	13.7	7.7	9.7	23.3
Other service workers	6,459	100.0	74.2	1.5	2.6	21.7	100.0	29.7	41.9	14.9	13.5	37.6

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

Occupation	Thousands			Percent distribution								
	Total	Male	Female	Total	Male	Female	White			Nonwhite		
							Total	Male	Female	Total	Male	Female
Total	68,002	44,429	23,573	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	31,086	17,675	13,411	45.7	39.8	56.9	48.7	42.1	61.4	20.4	17.8	24.2
Professional and technical	8,733	5,486	3,247	12.8	12.3	13.8	13.5	13.0	14.4	7.4	6.3	9.0
Medical and other health	1,406	589	817	2.1	1.3	3.5	2.2	1.4	3.7	1.2	.8	1.9
Teachers, except college	2,083	610	1,473	3.1	1.4	6.2	3.1	1.4	6.4	2.8	1.4	5.0
Other professional and technical	5,244	4,287	957	7.7	9.6	4.1	8.2	10.2	4.3	3.4	4.2	2.1
Managers, officials, and proprietors	7,483	6,358	1,126	11.0	14.3	4.8	12.0	15.5	5.2	2.6	3.4	1.5
Salaried workers	4,227	3,578	650	6.2	8.1	2.8	6.9	8.8	3.1	.7	.9	.5
Self-employed workers in retail trade	1,584	1,280	304	2.3	2.9	1.3	2.5	3.1	1.4	.8	1.0	.5
Self-employed workers, except retail trade	1,672	1,500	172	2.5	3.4	.7	2.6	3.6	.8	1.1	1.5	.5
Clerical workers	10,581	3,185	7,397	15.6	7.2	31.4	16.4	7.3	34.0	8.4	5.8	12.1
Stenographers, typists, and secretaries	2,703	67	2,637	4.0	.2	11.2	4.3	.2	12.2	1.6	.1	3.8
Other clerical workers	7,878	3,118	4,760	11.6	7.0	20.2	12.1	7.2	21.8	6.8	5.7	8.3
Sales workers	4,289	2,646	1,644	6.3	6.0	7.0	6.8	6.3	7.7	2.0	2.3	1.6
Retail trade	2,513	1,062	1,451	3.7	2.4	6.2	4.0	2.5	6.8	1.2	1.0	1.5
Other sales workers	1,776	1,584	193	2.6	3.6	.8	2.8	3.8	.9	.8	1.3	(1)
Blue-collar workers	24,235	20,427	3,810	35.3	46.0	16.2	35.3	45.0	16.5	38.7	55.5	14.1
Craftsmen, foremen	8,481	8,230	251	12.5	18.5	1.1	13.2	19.4	1.1	6.2	10.1	.6
Carpenters	705	705	-	1.0	1.6	-	1.1	1.7	(1)	.5	-	-
Construction craftsmen, except carpenters	1,610	1,602	7	2.4	3.6	(1)	2.4	3.7	(1)	1.7	2.8	-
Mechanics and repairmen	2,104	2,086	18	3.1	4.7	.1	3.2	4.8	.1	2.0	3.3	(1)
Metal craftsmen, except mechanics	1,090	1,077	13	1.6	2.4	.1	1.7	2.6	.1	.6	.9	-
Other craftsmen and kindred workers	1,772	1,656	116	2.6	3.7	.5	2.8	3.9	.5	1.2	1.8	.5
Foremen, not elsewhere classified	1,200	1,104	96	1.8	2.5	.4	1.9	2.7	.5	.4	.6	.1
Operatives	12,551	9,083	3,469	18.5	20.4	14.7	18.3	20.0	15.0	19.9	24.8	12.7
Drivers and deliverymen	2,534	2,490	44	3.7	5.6	.2	3.6	5.3	.2	5.0	8.3	.2
Other operatives	10,017	6,593	3,425	14.7	14.8	14.5	14.7	14.7	14.8	14.8	16.4	12.5
Durable goods manufacturing	3,865	2,974	890	5.7	6.7	3.8	5.8	6.6	4.0	5.0	7.2	1.8
Nondurable goods manufacturing	3,459	1,639	1,821	5.1	3.7	7.7	5.2	3.7	8.1	4.3	3.9	5.0
Other industries	2,693	1,980	713	4.0	4.5	3.0	3.8	4.4	2.7	5.5	5.4	5.7
Nonfarm laborers	3,203	3,114	90	4.7	7.0	.4	3.8	5.6	.3	12.6	20.7	.8
Construction	624	621	3	.9	1.4	(1)	.7	1.1	(1)	2.7	4.6	-
Manufacturing	977	934	44	1.4	2.1	.2	1.2	1.7	.2	3.6	6.0	.2
Other industries	1,602	1,559	43	2.4	3.5	.2	1.9	2.8	.1	6.2	10.1	.6
Service workers	9,036	3,156	5,879	13.3	7.1	24.9	10.8	6.1	20.0	34.4	16.7	60.5
Private household workers	2,364	61	2,303	3.5	.1	9.8	2.2	.1	6.3	14.3	.3	35.0
Service workers, except private household	6,672	3,095	3,576	9.8	7.0	15.2	8.6	6.0	13.7	20.1	16.4	25.5
Protective service workers	833	792	41	1.2	1.8	.2	1.3	1.9	.2	.7	1.0	.2
Waiters, cooks, and bartenders	1,835	503	1,331	2.7	1.1	5.6	2.6	1.0	5.7	3.9	2.8	5.5
Other service workers	4,004	1,800	2,204	5.9	4.1	9.3	4.8	3.2	7.9	15.5	12.6	19.7
Farm workers	3,646	3,173	473	5.4	7.1	2.0	5.2	6.8	2.1	6.4	10.0	1.2
Farmers and farm managers	2,179	2,069	110	3.2	4.7	.5	3.4	4.9	.5	1.8	2.7	.4
Farm laborers and foremen	1,467	1,104	363	2.2	2.5	1.5	1.9	2.0	1.6	4.7	7.3	.8
Paid workers	943	895	47	1.4	2.0	.2	1.0	1.5	.1	4.4	7.0	.6
Unpaid family workers	524	209	316	.8	.5	1.3	.8	.5	1.5	.3	.3	.2

1 Less than 0.05.

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

February 1964
(Percent distribution)

Characteristics	Full or part-time status						Hours of work				
	Total at work		On full-time schedules	On part time			Total at work	1 to 34 hours	35 to 40 hours	41 hours and over	Average hours, total at work
				Economic reasons		Other reasons					
	Thousands	Percent		Usually work full time	Usually work part time	Usually work part time					
AGE AND SEX											
Total	61,968	100.0	84.4	1.7	1.8	12.2	100.0	21.0	48.3	30.5	39.5
Male	39,763	100.0	90.4	1.7	1.3	6.6	100.0	15.1	47.0	37.9	42.2
14 to 17 years	1,193	100.0	9.9	.9	2.4	86.8	100.0	91.8	5.6	2.6	14.2
18 and 19 years	1,017	100.0	61.7	1.8	3.1	33.4	100.0	43.8	36.6	19.6	31.5
20 to 24 years	3,667	100.0	87.1	1.9	1.8	9.1	100.0	19.0	46.9	34.0	40.3
25 to 34 years	8,755	100.0	95.5	1.6	1.1	1.7	100.0	9.9	48.7	41.3	43.8
35 to 44 years	9,849	100.0	96.6	1.6	.9	.9	100.0	8.8	47.8	43.4	44.8
45 to 64 years	13,866	100.0	95.2	1.8	1.3	1.8	100.0	10.5	51.2	38.4	43.7
65 years and over	1,418	100.0	65.7	1.2	2.6	30.5	100.0	39.7	33.2	27.1	35.0
Female	22,204	100.0	73.5	1.7	2.6	22.2	100.0	31.7	50.7	17.6	34.8
14 to 17 years	928	100.0	10.2	.1	2.1	87.8	100.0	90.0	6.6	3.6	11.9
18 and 19 years	1,043	100.0	67.6	1.9	3.7	26.9	100.0	37.5	50.4	12.2	31.4
20 to 24 years	2,729	100.0	84.0	1.3	2.3	12.4	100.0	21.8	63.9	14.3	36.6
25 to 34 years	3,655	100.0	77.9	1.7	2.3	18.0	100.0	27.8	55.1	17.0	35.7
35 to 44 years	4,911	100.0	74.8	2.0	2.8	20.4	100.0	31.0	52.1	16.9	35.4
45 to 64 years	8,104	100.0	77.3	1.8	2.7	18.2	100.0	27.7	51.0	21.3	37.0
65 years and over	833	100.0	53.5	1.6	2.8	42.1	100.0	51.9	27.5	20.6	30.7
MARITAL STATUS AND SEX											
Male: Single	5,970	100.0	67.0	1.8	2.9	28.3	100.0	38.0	40.9	21.1	33.2
Married, wife present	31,872	100.0	95.1	1.6	.8	2.5	100.0	10.5	48.1	41.4	43.9
Other	1,921	100.0	86.2	2.3	4.5	7.0	100.0	19.1	48.0	32.9	40.9
Female: Single	5,134	100.0	70.7	.8	2.0	26.5	100.0	34.0	51.3	14.7	32.2
Married, husband present	12,610	100.0	72.8	2.0	2.3	22.9	100.0	32.3	50.5	17.2	35.2
Other	4,460	100.0	78.9	2.0	4.2	15.0	100.0	27.2	50.9	22.0	36.8
COLOR AND SEX											
White	55,578	100.0	85.1	1.6	1.2	12.2	100.0	20.2	48.4	31.5	39.8
Male	36,115	100.0	90.8	1.6	.9	6.7	100.0	14.4	46.5	39.1	42.5
Female	19,463	100.0	74.3	1.7	1.7	22.3	100.0	30.8	51.9	17.3	34.9
Nonwhite	6,390	100.0	78.9	2.2	6.8	12.2	100.0	28.4	48.2	23.5	37.0
Male	3,649	100.0	86.7	2.4	5.2	5.6	100.0	21.3	52.2	26.4	39.2
Female	2,741	100.0	68.4	1.9	8.8	20.9	100.0	37.6	42.8	19.6	34.1

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

February 1964
(Percent distribution)

Hours of work	Total	Agriculture				Nonagricultural industries						
		Total	Wage and salary workers	Self-employed workers	Unpaid family workers	Total	Wage and salary workers				Self-employed workers	Unpaid family workers
							Total	Private households	Government	Other		
Total at work . . . thousands	65,676	3,708	1,138	2,037	533	61,968	55,495	2,460	9,263	43,772	5,898	574
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	22.3	43.2	44.0	36.5	67.1	21.0	20.8	69.0	18.6	18.6	20.8	41.6
1 to 14 hours	7.4	14.1	18.3	15.5	0	7.0	6.7	44.7	4.1	5.2	9.8	0
15 to 21 hours	5.3	13.9	9.6	9.9	38.3	4.7	4.6	8.9	4.3	4.4	4.8	20.4
22 to 29 hours	4.4	10.2	10.7	5.9	25.3	4.0	4.0	9.4	3.3	3.9	3.1	13.9
30 to 34 hours	5.2	5.0	5.4	5.2	3.5	5.3	5.5	6.0	6.9	5.1	3.1	7.3
35 to 40 hours	46.5	15.3	13.6	16.0	16.4	48.3	51.5	13.4	54.6	53.0	21.7	19.1
35 to 39 hours	6.3	6.7	3.3	7.8	10.0	6.2	6.3	4.3	5.1	6.7	5.1	9.4
40 hours	40.2	8.6	10.3	8.2	6.4	42.1	45.2	9.1	49.5	46.3	16.6	9.7
41 hours and over	31.3	41.5	42.4	47.6	16.5	30.5	27.8	17.6	26.7	28.4	57.6	39.2
41 to 47 hours	8.2	6.3	9.0	5.2	4.9	8.2	8.4	4.6	8.4	8.6	6.7	9.8
48 hours	6.1	4.3	7.1	3.7	.5	6.2	6.2	3.0	4.6	6.7	7.0	2.1
49 hours and over	17.0	30.9	26.3	38.7	11.1	16.1	13.2	10.0	13.7	13.1	43.9	27.3
49 to 54 hours	6.2	6.8	7.0	7.6	3.6	6.1	5.7	4.2	6.0	5.7	10.5	6.3
55 to 59 hours	2.5	4.5	4.1	5.1	2.8	2.4	2.2	1.2	2.7	2.1	4.8	1.4
60 to 69 hours	4.5	8.4	7.9	10.8	.6	4.2	3.3	2.2	3.0	3.4	12.8	6.6
70 hours and over	3.8	11.2	7.3	15.2	4.1	3.4	2.0	2.4	2.0	1.9	15.8	13.0
Average hours, total at work	39.5	38.7	36.6	42.0	30.8	39.5	38.8	23.4	39.7	39.5	46.6	40.6

HOUSEHOLD DATA SEASONALLY ADJUSTED

12

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

(In thousands)

Employment status	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
Total labor force	76,567	76,388	75,964	76,311	75,910	75,840	75,737	75,951	75,627	75,759	75,638	75,192	75,153
Civilian labor force	73,835	73,667	73,224	73,572	73,168	73,091	72,988	73,207	72,891	73,022	72,902	72,460	72,429
Employed	69,832	69,567	69,205	69,222	69,067	69,044	68,941	69,101	68,767	68,720	68,767	68,364	68,122
Agriculture	4,797	4,936	4,890	4,903	4,939	4,877	4,872	5,009	4,924	5,030	4,997	4,886	4,895
Nonagricultural industries	65,035	64,631	64,315	64,319	64,128	64,167	64,069	64,092	63,843	63,690	63,770	63,478	63,227
Unemployed	4,003	4,100	4,019	4,350	4,101	4,047	4,047	4,106	4,124	4,302	4,135	4,096	4,307

Table A-25: Seasonally adjusted rates of unemployment

Selected unemployment rates	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
Total (all civilian workers)	5.4	5.6	5.5	5.9	5.6	5.5	5.5	5.6	5.7	5.9	5.7	5.7	5.9
Men, 20 years and over	4.1	4.3	4.3	4.5	4.2	4.1	4.2	4.3	4.4	4.4	4.4	4.6	4.9
Women, 20 years and over	5.6	5.5	5.3	5.6	5.5	5.5	5.7	5.3	5.4	5.4	5.3	5.2	5.5
Both sexes, 14 to 19 years	13.8	14.9	14.7	17.0	15.7	15.3	14.6	16.0	15.8	17.7	15.6	15.0	15.2
Married men (wife present)	3.0	3.2	3.3	3.4	2.9	3.0	3.1	3.2	3.2	3.3	3.3	3.5	3.7
Experienced wage and salary workers	5.2	5.3	5.3	5.7	5.5	5.4	5.4	5.4	5.6	5.5	5.4	5.5	5.9
Labor force time lost through unemployment and part-time work ¹	6.1	6.2	6.1	6.3	6.2	6.1	6.3	6.4	6.6	6.5	6.4	6.3	6.6

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

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

(In thousands)

Duration of unemployment	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
Less than 5 weeks	1,619	1,861	1,814	1,955	1,799	1,803	1,809	1,846	1,892	2,048	1,848	1,777	1,759
5 to 14 weeks	1,187	1,104	1,217	1,272	1,214	1,234	1,196	1,312	1,257	1,165	1,236	1,191	1,263
15 weeks and over:													
Number	1,007	1,105	1,022	1,060	1,114	1,078	1,083	1,042	1,080	1,113	1,067	1,097	1,128
Percent of civilian labor force	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.6

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

(In thousands)

Employment status, age and sex	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
Civilian labor force	73,835	73,667	73,224	73,572	73,168	73,091	72,988	73,207	72,891	73,022	72,902	72,460	72,429
Men, 20 years and over	44,452	44,177	44,232	44,292	44,149	44,269	44,248	44,420	44,232	44,120	44,138	44,129	44,082
Women, 20 years and over	23,022	22,832	22,753	22,879	22,658	22,466	22,411	22,443	22,413	22,429	22,488	22,250	22,310
Both sexes, 14 to 19 years	6,361	6,358	6,239	6,401	6,361	6,356	6,329	6,344	6,246	6,473	6,276	6,081	6,037
Employed, all industries	69,832	69,567	69,205	69,222	69,067	69,044	68,941	69,101	68,767	68,720	68,767	68,364	68,122
Men, 20 years and over	42,626	42,583	42,324	42,300	42,289	42,438	42,390	42,522	42,297	42,177	42,174	42,107	42,115
Women, 20 years and over	21,725	21,573	21,557	21,606	21,414	21,224	21,143	21,251	21,210	21,214	21,297	21,091	21,088
Both sexes, 14 to 19 years	5,481	5,411	5,324	5,316	5,364	5,382	5,408	5,328	5,260	5,329	5,296	5,166	5,119
Employed, nonagricultural industries	65,035	64,631	64,315	64,319	64,128	64,167	64,069	64,092	63,843	63,690	63,770	63,478	63,227
Men, 20 years and over	39,332	39,161	38,950	38,946	38,867	39,060	39,026	39,043	38,831	38,745	38,737	38,670	38,512
Women, 20 years and over	20,937	20,807	20,748	20,750	20,622	20,432	20,369	20,468	20,463	20,382	20,472	20,300	20,279
Both sexes, 14 to 19 years	4,766	4,663	4,617	4,623	4,639	4,675	4,674	4,581	4,549	4,563	4,561	4,508	4,436
Unemployed	4,003	4,100	4,019	4,350	4,101	4,047	4,047	4,106	4,124	4,302	4,135	4,096	4,307
Men, 20 years and over	1,826	1,894	1,908	1,992	1,860	1,831	1,858	1,898	1,935	1,943	1,964	2,022	2,167
Women, 20 years and over	1,297	1,259	1,196	1,273	1,244	1,242	1,268	1,192	1,203	1,215	1,191	1,159	1,222
Both sexes, 14 to 19 years	880	947	915	1,085	997	974	921	1,016	986	1,144	980	915	918

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

(In thousands)

Full- or part-time status	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
On full-time schedules	52,711	52,165	52,027	51,851	51,610	51,487	51,367	51,623	51,368	51,421	51,282	51,079	51,025
On part time for economic reasons	2,250	2,121	2,180	2,202	2,321	2,396	2,465	2,262	2,237	2,219	2,226	2,247	2,296
Usually work full time	1,085	957	1,023	1,034	1,101	1,173	1,178	1,048	1,081	1,022	1,070	1,020	1,052
Usually work part time	1,165	1,164	1,157	1,168	1,220	1,223	1,287	1,214	1,246	1,197	1,156	1,227	1,244
On part time for noneconomic reasons; usually work part time	7,030	7,044	6,827	6,870	7,099	6,960	6,859	6,894	6,820	6,776	6,647	6,677	6,597

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

Year and month	TOTAL	Mining	Contract construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Service and miscellaneous	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	1,133	1,021	10,659	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	1,239	848	10,658	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1921.....	24,382	962	1,012	8,257	3,459	4,589	-	-	1,163	2,412	2,528	-	-
1922.....	25,827	929	1,185	9,120	3,505	4,903	-	-	1,144	2,503	2,538	-	-
1923.....	28,394	1,212	1,229	10,300	3,882	5,290	-	-	1,190	2,684	2,607	-	-
1924.....	28,040	1,101	1,321	9,671	3,807	5,407	-	-	1,231	2,782	2,720	-	-
1925.....	28,778	1,089	1,446	9,939	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	1,185	1,555	10,156	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	1,114	1,608	10,001	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	1,050	1,606	9,947	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	1,087	1,497	10,702	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	1,009	1,372	9,562	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	873	1,214	8,170	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	731	970	6,931	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	744	809	7,397	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	883	862	8,501	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	897	912	9,069	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	946	1,145	9,827	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	1,015	1,112	10,794	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	891	1,055	9,440	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	854	1,150	10,278	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	925	1,294	10,985	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	957	1,790	13,192	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	992	2,170	15,280	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	925	1,567	17,602	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	892	1,094	17,328	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	836	1,152	15,524	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	862	1,661	14,703	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	955	1,982	15,545	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	994	2,169	15,582	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	930	2,165	14,441	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	901	2,333	15,241	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	929	2,603	16,393	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	898	2,634	16,632	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	866	2,623	17,549	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	791	2,612	16,314	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	792	2,802	16,882	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	822	2,999	17,243	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,904	828	2,923	17,174	4,241	10,886	2,893	7,992	2,477	6,749	7,626	2,217	5,409
1958.....	51,423	751	2,778	15,945	3,976	10,750	2,848	7,902	2,519	6,811	7,893	2,191	5,702
1959.....	53,404	732	2,960	16,675	4,011	11,127	2,946	8,182	2,594	7,115	8,190	2,233	5,957
1960.....	54,370	712	2,885	16,796	4,004	11,391	3,004	8,388	2,669	7,392	8,520	2,270	6,250
1961.....	54,224	672	2,816	16,327	3,903	11,337	2,993	8,344	2,731	7,610	8,828	2,279	6,548
1962.....	55,841	652	2,909	16,859	3,903	11,582	3,061	8,521	2,798	7,949	9,188	2,340	6,849
1963.....	57,174	634	3,029	17,035	3,913	11,865	3,143	8,722	2,866	8,297	9,535	2,358	7,177
1963:													
February..	55,374	618	2,470	16,683	3,844	11,433	3,065	8,368	2,813	7,997	9,516	2,358	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
July.....	57,422	641	3,364	17,050	3,975	11,832	3,168	8,664	2,916	8,474	9,170	2,375	6,795
August.....	57,651	646	3,437	17,199	3,976	11,878	3,196	8,682	2,919	8,457	9,139	2,367	6,772
September..	58,211	641	3,378	17,398	3,982	11,942	3,199	8,743	2,887	8,436	9,547	2,342	7,205
October....	58,426	637	3,333	17,367	3,968	12,014	3,208	8,806	2,884	8,472	9,751	2,343	7,408
November..	58,220	634	3,176	17,229	3,944	12,166	3,208	8,958	2,878	8,406	9,787	2,342	7,445
December..	58,585	631	2,925	17,139	3,931	12,774	3,238	9,536	2,880	8,379	9,926	2,482	7,444
1964:													
January...	56,866	617	2,606	16,938	3,877	11,893	3,199	8,694	2,877	8,310	9,748	2,323	7,425
February...	56,949	612	2,659	16,982	3,871	11,775	3,189	8,586	2,884	8,344	9,822	2,327	7,495

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

11

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
TOTAL	56,949	56,866	58,585	55,409	57,174	-	-	-	-	-
MINING	612	617	631	622	634	-	481	493	485	497
METAL MINING	-	82.0	82.6	77.9	82.4	-	68.0	68.6	63.2	68.1
Iron ores	-	26.3	26.7	21.5	25.9	-	22.2	22.6	17.6	22.0
Copper ores	-	28.1	28.0	28.0	27.9	-	23.1	23.0	22.9	22.8
COAL MINING	-	135.4	137.1	148.1	138.7	-	119.4	120.8	130.6	122.3
Bituminous	-	124.1	125.8	136.6	127.6	-	109.4	110.8	120.5	112.4
CRUDE PETROLEUM AND NATURAL GAS	-	293.5	295.0	289.1	293.4	-	207.8	209.1	205.1	208.4
Crude petroleum and natural gas fields	-	161.0	161.6	163.4	163.6	-	92.7	92.7	96.7	95.8
Oil and gas field services	-	132.5	133.4	125.7	129.9	-	115.1	116.4	108.4	112.5
QUARRYING AND NONMETALLIC MINING	-	106.3	116.1	106.8	119.7	-	85.5	94.8	86.4	98.7
CONTRACT CONSTRUCTION	2,659	2,606	2,925	2,584	3,029	-	2,161	2,470	2,142	2,578
GENERAL BUILDING CONTRACTORS	-	797.2	889.2	781.2	920.4	-	668.8	756.5	653.3	790.3
HEAVY CONSTRUCTION	-	432.4	536.1	448.4	604.1	-	356.1	457.5	372.8	526.7
Highway and street construction	-	191.3	256.3	197.7	312.2	-	158.8	223.3	167.8	280.1
Other heavy construction	-	241.1	279.8	250.7	291.9	-	197.3	234.2	205.0	246.6
SPECIAL TRADE CONTRACTORS	-	1,376.5	1,499.7	1,354.2	1,504.5	-	1,135.9	1,256.4	1,115.8	1,261.0
MANUFACTURING	16,982	16,938	17,139	16,687	17,035	12,522	12,482	12,665	12,286	12,585
DURABLE GOODS	9,675	9,666	9,765	9,481	9,659	7,079	7,070	7,155	6,896	7,059
NONDURABLE GOODS	7,307	7,272	7,374	7,206	7,376	5,443	5,412	5,510	5,390	5,526
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	272.5	274.6	277.6	279.8	276.7	117.1	118.3	119.0	121.4	119.1
Ammunition, except for small arms	194.2	194.4	196.0	190.2	191.0	69.6	69.7	69.6	68.0	67.9
Sighting and fire control equipment	-	22.2	23.0	31.5	27.2	-	9.4	9.6	13.4	11.3
Other ordnance and accessories	57.0	58.0	58.6	58.1	58.4	38.5	39.2	39.8	40.0	39.9
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	559.3	562.2	584.4	561.2	585.8	498.2	500.5	521.7	500.9	524.0
Logging camps and logging contractors	73.9	75.2	82.3	74.7	81.5	68.5	69.7	76.9	69.9	76.4
Sawmills and planing mills	237.4	238.2	248.3	244.0	252.8	216.2	216.8	226.7	222.5	231.0
Sawmills and planing mills, general	-	204.7	214.1	210.8	219.2	-	186.2	195.3	192.1	200.2
Millwork, plywood, and related products	151.7	152.6	154.8	147.3	152.6	128.6	129.4	131.2	124.9	129.5
Millwork	-	69.5	70.2	65.2	69.7	-	56.2	56.7	52.4	56.4
Veneer and plywood	-	70.3	70.1	69.5	68.3	-	64.9	64.7	64.4	63.2
Wooden containers	33.6	33.6	34.8	34.2	35.3	30.4	30.3	31.4	30.9	32.0
Wooden boxes, shooks, and crates	-	26.1	26.9	25.7	27.1	-	23.5	24.3	23.1	24.6
Miscellaneous wood products	62.7	62.6	64.2	61.0	63.7	54.5	54.3	55.5	52.7	55.2

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

ESTABLISHMENT DATA
EMPLOYMENT

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

Industry	(In thousands) All employees					Production workers ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
FURNITURE AND FIXTURES	393.7	389.8	395.5	384.2	389.8	326.7	323.9	329.4	319.0	324.3
Household furniture	290.5	287.0	290.7	276.7	283.3	248.5	245.5	249.1	236.1	242.4
Wood house furniture, upholstered	-	150.0	151.8	144.8	147.7	-	133.5	135.3	128.5	131.4
Wood house furniture, upholstered	-	72.0	73.7	67.8	69.7	-	60.4	61.9	56.8	58.5
Mattresses and bedsprings	-	34.1	34.3	33.4	34.4	-	26.5	26.8	25.8	26.9
Office furniture	-	26.4	27.0	28.3	27.1	-	20.7	21.3	22.7	21.5
Partitions; office and store fixtures	-	35.4	36.3	39.6	39.0	-	25.9	26.8	29.8	29.2
Other furniture and fixtures	41.1	41.0	41.5	39.6	40.5	31.6	31.8	32.2	30.4	31.3
STONE, CLAY, AND GLASS PRODUCTS	584.4	582.5	603.6	567.7	607.5	466.1	464.7	485.9	451.8	489.5
Flat glass	-	31.9	32.3	29.7	30.8	-	25.8	26.2	24.2	24.9
Glass and glassware, pressed or blown	108.6	108.3	111.8	107.6	113.1	93.8	93.9	97.7	91.8	97.7
Glass containers	-	62.2	62.9	62.6	65.7	-	54.6	55.2	54.8	57.9
Pressed and blown glassware, n.e.c.	-	46.1	48.9	45.0	47.4	-	39.3	42.5	37.0	39.8
Cement, hydraulic	36.9	37.3	38.2	37.0	39.9	28.8	29.0	29.9	29.1	31.7
Structural clay products	64.0	63.3	67.3	64.2	68.1	53.7	52.8	56.9	54.0	57.9
Brick and structural clay tile	-	27.1	29.8	27.1	29.8	-	23.7	26.5	23.7	26.5
Pottery and related products	-	44.3	44.5	42.8	43.9	-	37.5	37.9	36.2	37.3
Concrete, gypsum, and plaster products	157.7	157.0	167.8	150.8	171.8	120.1	119.5	130.0	114.7	134.5
Other stone and mineral products	120.8	120.2	121.3	116.2	120.0	89.6	89.6	90.6	85.9	89.2
Abrasive products	-	23.2	23.2	23.3	23.2	-	14.5	14.5	14.2	14.3
PRIMARY METAL INDUSTRIES	1,183.4	1,168.8	1,163.7	1,123.0	1,165.7	959.9	947.6	940.7	899.8	942.1
Blast furnace and basic steel products	590.5	580.3	576.5	550.6	586.3	480.5	472.0	466.6	439.8	476.2
Blast furnaces, steel and rolling mills	-	514.3	509.9	486.0	519.6	-	420.2	414.5	390.1	424.3
Iron and steel foundries	207.8	204.9	203.0	193.4	198.3	178.2	175.5	173.4	163.7	168.3
Gray iron foundries	-	122.6	121.9	116.3	118.8	-	106.1	105.1	99.9	102.1
Malleable iron foundries	-	24.3	24.1	25.0	24.8	-	20.7	20.5	20.9	20.7
Steel foundries	-	58.0	57.0	52.1	54.7	-	48.7	47.8	42.9	45.5
Nonferrous smelting and refining	70.1	69.5	69.7	67.0	68.8	54.3	53.8	53.8	51.5	53.1
Nonferrous rolling, drawing, and extruding	184.2	184.3	184.3	180.9	182.7	140.7	140.6	140.8	138.3	139.3
Copper rolling, drawing, and extruding	-	46.9	46.4	46.2	46.6	-	36.1	35.7	35.9	36.1
Aluminum rolling, drawing, and extruding	-	60.3	60.8	58.7	60.3	-	45.8	46.3	44.4	45.6
Nonferrous wire drawing and insulating	-	59.8	60.0	59.4	59.1	-	46.7	46.8	46.3	45.9
Nonferrous foundries	72.4	71.9	71.8	71.9	71.3	60.2	59.7	59.8	59.7	59.2
Aluminum castings	-	36.1	36.1	35.5	35.6	-	30.4	30.6	29.8	30.0
Other nonferrous castings	-	35.8	35.7	36.4	35.7	-	29.3	29.2	29.9	29.2
Miscellaneous primary metal industries	58.4	57.9	58.4	59.2	58.2	46.0	46.0	46.3	46.8	46.0
Iron and steel forgings	-	40.1	40.2	41.1	40.1	-	32.1	32.2	32.9	32.0
FABRICATED METAL PRODUCTS	1,160.9	1,161.1	1,175.6	1,123.0	1,152.7	891.1	890.9	904.0	857.2	884.1
Metal cans	60.8	59.3	60.3	58.1	62.0	51.0	49.4	50.4	47.7	51.8
Cutlery, hand tools, and general hardware	140.7	140.8	141.4	136.2	136.0	111.5	111.6	111.9	107.0	106.9
Cutlery and hand tools, including saws	-	53.7	54.1	52.6	52.3	-	42.3	42.6	40.9	40.8
Hardware, n.e.c.	-	87.1	87.3	83.6	83.7	-	69.3	69.3	66.1	66.1
Heating equipment and plumbing fixtures	78.5	78.4	79.0	73.4	76.9	59.1	59.1	59.5	54.6	57.8
Sanitary ware and plumbers' brass goods	-	33.6	33.6	32.2	33.3	-	27.4	27.3	26.2	27.2
Heating equipment, except electric	-	44.8	45.4	41.2	43.6	-	31.7	32.2	28.4	30.6
Fabricated structural metal products	329.3	331.2	338.4	322.6	337.5	231.1	232.7	239.7	226.0	239.7
Fabricated structural steel	-	91.9	93.1	90.0	94.4	-	67.2	68.3	65.7	69.6
Metal doors, sash, frames, and trim	-	60.3	63.6	59.6	62.9	-	43.1	46.0	42.1	45.5
Fabricated plate work (boiler shops)	-	87.2	86.9	83.6	86.0	-	56.4	56.7	53.2	56.0
Sheet metal work	-	57.7	59.3	55.8	59.3	-	42.2	43.4	41.3	43.8
Architectural and miscellaneous metal work	-	34.1	35.5	33.6	34.9	-	23.8	25.3	23.7	24.8
Screw machine products, bolts, etc.	89.3	88.7	89.2	88.4	88.7	69.8	69.3	69.8	69.9	69.8
Screw machine products	-	37.6	37.7	38.3	38.0	-	31.4	31.5	32.3	31.9
Bolts, nuts, screws, rivets, and washers	-	51.1	51.5	50.1	50.6	-	37.9	38.3	37.6	37.8
Metal stampings	203.8	204.6	205.9	196.1	196.8	165.8	166.6	168.3	158.9	159.4
Coating, engraving, and allied services	71.1	70.9	72.6	66.8	70.0	59.8	59.5	60.8	55.5	58.3
Miscellaneous fabricated wire products	59.2	59.5	59.7	57.0	58.0	47.6	47.8	47.8	45.1	46.2
Miscellaneous fabricated metal products	128.2	127.7	129.1	124.4	126.8	95.4	94.9	95.8	92.5	94.2
Valves, pipe, and pipe fittings	-	77.2	78.0	75.6	76.7	-	55.4	55.7	54.1	54.7

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

ESTABLISHMENT DATA EMPLOYMENT

16

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

Industry	(In thousands)					Production workers ¹				
	All employees									
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
MACHINERY	1,552.5	1,556.2	1,550.0	1,501.8	1,520.3	1,078.8	1,083.4	1,076.8	1,043.2	1,052.9
Engines and turbines	85.1	85.4	86.3	86.2	85.6	56.6	56.6	57.5	57.5	56.6
Steam engines and turbines	-	34.1	34.5	35.3	35.2	-	19.1	19.4	19.9	19.7
Internal combustion engines, n.e.c.	-	51.3	51.8	50.9	50.5	-	37.5	38.1	37.6	36.9
Farm machinery and equipment	-	123.8	120.5	118.5	119.8	-	90.5	87.2	86.4	86.8
Construction and related machinery	211.0	221.4	219.4	210.3	214.4	139.6	149.7	147.6	139.6	143.2
Construction and mining machinery	-	122.4	120.3	115.0	117.8	-	85.9	83.7	79.0	81.5
Oil field machinery and equipment	-	32.6	32.6	32.5	32.2	-	21.6	21.6	21.4	21.1
Conveyors, hoists, and industrial cranes	-	30.8	30.9	28.6	29.8	-	20.5	20.5	18.6	19.6
Metalworking machinery and equipment	281.6	280.1	279.5	265.7	270.4	211.6	210.5	210.2	197.9	201.7
Machine tools, metal cutting types	-	73.4	72.9	68.5	70.3	-	51.0	50.7	47.2	48.6
Special dies, tools, jigs, and fixtures	-	98.0	97.8	92.6	94.2	-	80.7	80.5	75.4	76.8
Machine tool accessories	-	46.2	46.0	44.6	45.1	-	33.6	33.5	32.6	32.8
Miscellaneous metalworking machinery	-	62.5	62.8	60.0	60.8	-	45.2	45.5	42.7	43.5
Special industry machinery	171.2	170.7	170.0	168.0	168.2	117.5	117.3	116.6	115.5	115.2
Food products machinery	-	32.8	32.7	32.8	32.6	-	21.4	21.2	21.2	21.0
Textile machinery	-	38.6	38.1	37.8	37.5	-	29.7	29.3	29.1	28.8
General industrial machinery	237.1	235.6	235.1	229.7	231.1	158.1	156.8	155.9	154.3	153.7
Pumps, air and gas compressors	-	65.8	65.8	63.0	64.4	-	37.1	37.0	36.7	36.7
Ball and roller bearings	-	50.5	50.1	50.0	49.9	-	39.3	39.0	38.8	38.8
Mechanical power transmission goods	-	47.3	47.4	45.1	45.9	-	35.0	34.9	33.3	33.9
Office, computing, and accounting machines	155.7	155.3	155.8	154.8	153.8	90.8	90.9	90.7	94.9	91.0
Computing machines and cash registers	-	111.5	111.5	110.3	109.8	-	60.8	60.3	63.8	60.5
Service industry machines	100.5	100.6	100.2	98.3	100.5	68.7	68.8	68.3	66.2	68.4
Refrigeration, except home refrigerators	-	63.9	63.3	60.8	63.4	-	43.8	43.3	41.3	43.6
Miscellaneous machinery	184.5	183.3	183.2	170.3	176.5	143.5	142.3	142.8	130.9	136.3
Machine shops, jobbing and repair	-	125.2	125.4	116.4	121.5	-	98.6	99.3	90.6	95.2
Machine parts, n.e.c., except electrical	-	58.1	57.8	53.9	55.1	-	43.7	43.5	40.3	41.1
ELECTRICAL EQUIPMENT AND SUPPLIES	1,561.6	1,568.0	1,581.7	1,597.3	1,581.5	1,049.8	1,053.5	1,062.0	1,069.1	1,057.2
Electric distribution equipment	170.2	170.0	170.6	168.9	168.9	112.3	112.3	112.8	112.3	111.7
Electric measuring instruments	-	55.7	55.7	57.2	55.5	-	36.0	36.4	38.4	36.5
Power and distribution transformers	-	43.5	43.6	41.8	42.9	-	30.0	30.2	28.4	29.5
Switchgear and switchboard apparatus	-	70.8	71.3	69.9	70.5	-	46.3	46.2	45.5	45.7
Electrical industrial apparatus	190.0	188.2	188.1	186.6	187.2	130.3	128.8	128.9	127.3	128.0
Motors and generators	-	102.1	102.0	100.8	101.2	-	71.1	71.1	69.8	70.4
Industrial controls	-	49.6	49.5	49.7	49.9	-	32.5	32.5	32.6	32.7
Household appliances	157.3	157.3	160.3	150.0	154.7	120.1	119.9	123.8	114.9	118.8
Household refrigerators and freezers	-	53.1	52.4	47.0	48.9	-	41.6	41.3	36.7	38.2
Household laundry equipment	-	25.1	25.8	25.2	25.4	-	19.3	20.0	19.1	19.3
Electric housewares and fans	-	33.0	36.1	34.2	35.3	-	24.3	27.8	26.3	27.2
Electric lighting and wiring equipment	152.9	151.7	152.8	146.1	149.3	118.7	118.4	119.4	114.0	116.4
Electric lamps	-	31.0	30.9	30.1	30.3	-	27.1	27.0	26.3	26.5
Lighting fixtures	-	52.8	53.4	50.8	52.3	-	40.9	41.1	38.8	40.3
Wiring devices	-	67.9	68.5	65.2	66.6	-	50.4	51.3	48.9	49.7
Radio and TV receiving sets	109.7	111.9	116.9	108.7	113.0	84.1	86.5	90.0	79.9	85.2
Communication equipment	411.6	418.2	419.4	455.5	433.7	210.6	213.5	210.7	236.6	220.4
Telephone and telegraph apparatus	-	119.1	116.9	123.8	119.1	-	80.9	77.5	81.5	78.6
Radio and TV communication equipment	-	299.1	302.5	331.7	314.5	-	132.6	133.2	155.1	141.8
Electronic components and accessories	260.8	261.3	262.5	268.9	264.8	191.3	191.5	192.3	197.9	193.8
Electron tubes	-	65.6	65.6	71.3	68.3	-	43.3	43.4	49.1	45.8
Electronic components, n.e.c.	-	195.7	196.9	197.6	196.5	-	148.2	148.9	148.8	148.0
Miscellaneous electrical equipment and supplies	109.1	109.4	111.1	112.6	109.9	82.4	82.6	84.1	86.2	83.0
Electrical equipment for engines	-	64.5	65.4	67.9	65.4	-	48.8	49.5	52.6	49.7
TRANSPORTATION EQUIPMENT	1,648.9	1,654.3	1,664.8	1,612.7	1,614.2	1,150.7	1,154.5	1,162.8	1,112.5	1,113.2
Motor vehicles and equipment	770.7	776.4	782.8	740.3	738.4	601.1	606.4	612.5	576.4	571.8
Motor vehicles	-	309.2	314.4	292.1	291.3	-	230.3	234.8	216.2	214.0
Passenger car bodies	-	70.9	70.9	68.8	66.9	-	58.2	58.2	56.2	54.2
Truck and bus bodies	-	34.6	34.4	32.6	34.7	-	27.9	27.8	26.3	28.2
Motor vehicle parts and accessories	-	341.4	341.6	325.7	324.4	-	274.9	275.4	261.7	259.4
Aircraft and parts	650.1	653.3	656.0	655.1	649.4	363.5	365.5	366.2	358.8	355.8
Aircraft	-	342.0	343.3	338.8	334.5	-	188.3	187.5	175.8	176.1
Aircraft engines and engine parts	-	208.3	209.2	211.8	210.7	-	110.3	111.4	115.7	112.6
Other aircraft parts and equipment	-	103.0	103.5	104.5	104.2	-	66.9	67.3	67.3	67.1
Ship and boat building and repairing	138.4	138.5	139.2	145.6	144.2	115.2	115.2	115.8	122.8	121.3
Ship building and repairing	-	112.3	113.0	119.0	118.2	-	93.5	94.1	100.3	99.7
Boat building and repairing	-	26.2	26.2	26.6	26.1	-	21.7	21.7	22.5	21.7
Railroad equipment	-	48.2	47.7	40.0	44.1	-	37.0	36.7	29.3	33.3
Other transportation equipment	-	37.9	39.1	31.7	38.0	-	30.4	31.6	25.2	31.0

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

ESTABLISHMENT DATA
EMPLOYMENT

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

Industry	(In thousands) All employees					Production workers ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
INSTRUMENTS AND RELATED PRODUCTS	373.5	373.5	376.6	364.8	371.5	236.5	236.4	239.9	232.3	236.9
Engineering and scientific instruments	-	72.4	72.7	75.2	73.6	-	37.7	38.1	40.1	38.8
Mechanical measuring and control devices	99.4	98.8	99.0	96.8	97.5	64.8	64.1	64.6	63.3	63.5
Mechanical measuring devices	-	60.9	60.8	60.1	60.0	-	38.0	38.1	38.2	37.6
Automatic temperature controls	-	37.9	38.2	36.7	37.5	-	26.1	26.5	25.1	25.9
Optical and ophthalmic goods	43.0	42.6	42.6	40.4	41.5	30.8	30.4	30.4	29.1	29.8
Surgical, medical, and dental equipment	53.7	53.7	53.9	51.7	53.1	37.5	37.5	37.7	36.1	37.3
Photographic equipment and supplies	(*)	77.0	78.0	72.9	75.9	(*)	43.5	44.4	41.3	43.2
Watches and clocks	-	29.0	30.4	27.8	29.8	-	23.2	24.7	22.4	24.3
MISCELLANEOUS MANUFACTURING INDUSTRIES	383.9	374.7	391.2	365.7	393.4	304.1	295.8	312.8	288.6	316.1
Jewelry, silverware, and plated ware	43.4	43.3	43.7	41.7	42.1	33.8	33.5	33.8	32.3	32.5
Toys, amusement, and sporting goods	-	88.4	98.0	82.2	103.8	-	69.9	80.2	65.4	86.7
Toys, games, dolls, and play vehicles	-	50.5	59.6	43.6	64.6	-	39.9	49.6	34.5	55.2
Sporting and athletic goods, n.e.c.	-	37.9	38.4	38.6	39.2	-	30.0	30.6	30.9	31.5
Pens, pencils, office, and art materials	-	31.6	33.2	30.9	31.9	-	23.4	24.9	22.8	24.1
Costume jewelry, buttons, and notions	-	54.8	56.8	55.8	57.3	-	45.0	47.0	46.1	47.5
Other manufacturing industries	158.8	156.6	159.5	155.1	158.3	125.7	124.0	126.9	122.0	125.3
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	1,641.9	1,664.2	1,709.8	1,671.1	1,738.4	1,059.5	1,082.7	1,127.5	1,093.5	1,155.0
Meat products	300.0	303.5	311.6	305.4	307.9	239.2	243.0	251.2	244.6	247.5
Meat packing	-	192.2	192.6	194.2	191.8	-	150.9	151.6	152.8	150.6
Sausages and other prepared meats	-	46.2	46.7	46.4	46.6	-	33.0	33.4	33.1	33.3
Poultry dressing and packing	-	65.1	72.3	64.8	69.6	-	59.1	66.2	58.7	63.7
Dairy products	283.9	284.4	287.9	291.4	296.2	136.5	137.0	139.3	142.4	146.1
Ice cream and frozen desserts	-	28.9	29.7	29.9	32.6	-	14.6	15.4	15.4	17.5
Fluid milk	-	205.0	207.3	208.9	210.2	-	83.8	84.8	87.3	87.6
Canned and preserved food, except meats	-	186.2	201.8	196.3	241.7	-	149.8	164.9	158.8	203.6
Canned, cured, and frozen sea foods	-	39.7	41.3	41.5	42.2	-	34.2	35.7	36.6	37.1
Canned food, except sea foods	-	83.6	92.0	90.6	122.3	-	63.0	71.5	69.3	100.3
Frozen food, except sea foods	-	36.7	39.3	38.7	46.9	-	32.5	34.8	33.6	42.3
Grain mill products	128.9	129.9	130.1	128.4	131.6	89.3	90.2	89.9	89.8	92.1
Flour and other grain mill products	-	33.3	33.4	33.4	33.2	-	22.6	22.7	22.5	22.4
Prepared feeds for animals and fowls	-	57.9	58.2	56.4	59.6	-	38.5	38.4	38.0	40.4
Bakery products	287.1	287.6	291.8	290.8	292.3	163.1	163.4	168.5	166.5	168.8
Bread, cake, and perishable products	-	244.7	248.7	246.1	248.1	-	127.9	132.8	129.9	132.3
Biscuit, crackers, and pretzels	-	42.9	43.1	44.7	44.3	-	35.5	35.7	36.6	36.5
Sugar	-	44.1	47.2	36.2	35.6	-	36.1	40.3	30.4	28.9
Confectionery and related products	79.5	78.1	82.2	76.6	76.5	62.9	61.9	65.7	61.1	61.1
Candy and other confectionery products	-	63.0	66.9	61.2	61.2	-	50.7	54.3	49.8	49.8
Beverages	207.8	210.1	214.7	204.6	214.7	105.6	108.4	112.5	105.9	112.4
Malt liquors	-	62.2	63.5	63.2	65.1	-	41.2	42.4	42.0	43.4
Bottled and canned soft drinks	-	112.1	111.9	106.1	111.7	-	42.6	42.3	39.6	42.2
Miscellaneous food and kindred products	139.0	140.3	142.5	141.4	142.0	92.3	92.9	95.2	94.0	94.5
TOBACCO MANUFACTURES	85.8	88.1	95.2	89.1	89.2	74.5	76.8	83.3	77.2	77.1
Cigarettes	-	37.6	38.2	37.4	37.9	-	31.6	31.9	31.3	31.5
Cigars	-	22.7	23.4	23.2	23.1	-	21.3	21.8	21.5	21.5
TEXTILE MILL PRODUCTS	886.9	880.7	887.9	881.4	889.5	795.1	788.1	795.3	790.1	797.2
Cotton broad woven fabrics	233.5	233.4	234.3	234.9	233.6	216.0	215.9	216.8	218.1	216.3
Silk and synthetic broad woven fabrics	85.1	85.0	85.4	82.3	83.3	77.0	77.8	77.3	74.3	75.1
Weaving and finishing broad woolsens	46.7	46.4	45.9	49.1	48.9	40.9	40.7	40.3	43.2	43.1
Narrow fabrics and small wares	26.8	26.9	27.2	26.9	27.0	23.7	23.8	23.9	23.6	23.6
Knitting	208.1	204.1	208.3	207.1	214.6	186.7	181.8	186.2	185.7	192.9
Full-fashioned hosiery	-	18.7	18.8	20.4	19.3	-	16.4	16.6	18.2	17.1
Seamless hosiery	-	78.0	78.8	80.5	79.7	-	72.0	72.8	74.3	73.6
Knit outerwear	-	57.7	59.9	57.5	64.2	-	49.4	51.7	50.0	56.4
Knit underwear	-	29.2	29.7	28.9	29.7	-	26.3	26.8	26.1	26.8
Finishing textiles, except wool and knit	75.0	74.7	75.2	74.3	74.4	64.5	64.2	64.6	63.4	63.6
Floor covering	-	38.3	38.7	38.6	37.9	-	31.8	32.2	32.0	31.5
Yarn and thread	107.0	106.4	106.7	102.2	104.2	98.9	98.2	98.6	94.2	96.0
Miscellaneous textile goods	66.2	65.5	66.2	66.0	65.7	55.4	54.7	55.4	55.6	55.2

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

ESTABLISHMENT DATA EMPLOYMENT

18

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>										
APPAREL AND RELATED PRODUCTS	1,319.5	1,281.4	1,297.9	1,251.2	1,297.7	1,170.0	1,135.3	1,150.2	1,109.0	1,150.9
Men's and boys' suits and coats	115.7	115.0	115.2	117.9	116.3	103.5	102.9	103.0	105.6	103.9
Men's and boys' furnishings	328.3	322.4	326.7	319.4	329.4	297.5	292.1	296.1	290.1	299.1
Men's and boys' shirts and nightwear	-	121.0	123.3	122.0	125.1	-	109.5	111.0	110.1	112.9
Men's and boys' separate trousers	-	64.2	63.9	63.3	64.0	-	60.4	60.2	59.7	60.3
Work clothing	-	75.1	74.9	70.8	73.4	-	67.3	67.3	63.7	66.1
Women's, misses', and juniors' outerwear	410.9	392.0	391.8	375.1	392.4	367.3	349.2	348.5	335.0	350.0
Women's blouses, waists, and shirts	-	48.2	50.8	45.5	49.3	-	43.7	46.0	41.4	44.8
Women's, misses', and juniors' dresses	-	188.3	190.8	183.4	192.7	-	167.8	170.0	163.7	172.1
Women's suits, skirts, and coats	-	84.5	79.7	77.9	81.3	-	75.0	70.4	69.4	72.2
Women's and misses' outerwear, n.e.c.	-	71.0	70.5	68.3	69.1	-	62.7	62.1	60.5	60.9
Women's and children's undergarments	120.0	117.8	121.6	114.5	118.7	105.9	103.9	107.8	101.1	105.1
Women's and children's underwear	-	75.1	77.4	74.5	77.0	-	68.4	70.8	68.3	70.5
Corsets and allied garments	-	42.7	44.2	40.0	41.7	-	35.5	37.0	32.8	34.5
Hats, caps, and millinery	-	32.5	31.3	33.2	32.6	-	28.9	27.6	29.2	28.7
Girls' and children's outerwear	82.5	80.6	78.2	77.8	79.7	73.9	72.3	69.9	69.3	71.1
Children's dresses, blouses, and shirts	-	38.2	37.8	37.2	37.9	-	34.4	34.2	33.1	34.0
Fur goods and miscellaneous apparel	-	67.3	71.9	67.8	73.0	-	57.9	62.2	58.3	63.2
Miscellaneous fabricated textile products	155.1	153.8	161.2	145.5	155.7	129.4	128.1	135.1	120.4	129.8
Housefurnishings	-	52.9	57.1	51.3	54.4	-	44.3	48.2	43.0	45.9
PAPER AND ALLIED PRODUCTS	620.5	620.5	625.7	613.0	620.7	484.1	484.4	490.9	482.7	488.0
Paper and pulp	213.7	213.5	215.5	214.1	215.2	170.9	170.6	172.8	172.4	173.1
Paperboard	68.7	68.7	68.2	67.5	67.8	53.9	54.3	54.2	54.0	54.0
Converted paper and paperboard products	149.5	149.8	150.8	145.2	148.4	110.0	110.0	111.6	108.2	110.5
Bags, except textile bags	-	35.9	36.4	34.5	35.3	-	28.9	29.5	28.0	28.7
Paperboard containers and boxes	188.6	188.5	191.2	186.2	189.3	149.3	149.5	152.3	148.1	150.5
Folding and setup paperboard boxes	-	67.3	69.5	67.1	68.1	-	55.1	57.6	55.3	56.1
Corrugated and solid fiber boxes	-	80.0	80.5	78.7	80.0	-	61.4	61.7	60.1	61.2
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	938.7	937.2	946.4	906.0	927.9	596.2	594.2	602.1	578.1	590.1
Newspaper publishing and printing	325.7	323.6	327.8	302.1	319.5	165.4	163.1	167.1	151.2	161.0
Periodical publishing and printing	-	70.7	71.1	71.7	70.2	-	27.6	27.5	28.8	27.8
Books	-	76.8	76.3	72.7	74.5	-	47.0	46.3	44.2	45.1
Commercial printing	302.0	303.5	304.6	297.3	298.8	236.1	237.7	239.1	233.7	234.3
Commercial printing, except lithographic	-	205.6	205.6	200.4	201.0	-	162.7	162.9	158.7	158.9
Commercial printing, lithographic	-	87.7	88.8	86.2	87.3	-	66.8	68.0	66.1	66.8
Bookbinding and related industries	48.1	48.0	50.2	49.3	50.4	38.6	38.3	40.3	39.7	40.6
Other publishing and printing industries	113.5	114.6	116.4	112.9	114.6	79.8	80.5	81.8	80.5	81.3
CHEMICALS AND ALLIED PRODUCTS	872.6	864.0	866.5	846.2	865.6	527.3	519.5	521.8	513.8	524.2
Industrial chemicals	285.8	284.8	284.8	282.2	285.4	164.0	162.8	162.8	163.3	164.3
Plastics and synthetics, except glass	174.6	173.8	173.5	164.4	169.7	117.5	116.9	116.9	111.7	114.1
Plastics and synthetics, except fibers	-	75.3	75.3	71.7	74.3	-	48.2	48.3	46.5	47.6
Synthetic fibers	-	85.2	85.0	79.5	82.2	-	59.9	59.8	56.5	57.8
Drugs	117.9	117.3	117.6	113.4	116.2	63.1	62.7	63.3	61.1	62.7
Pharmaceutical preparations	-	86.5	86.6	83.9	85.7	-	45.0	45.3	43.7	44.6
Soap, cleaners, and toilet goods	99.0	96.7	99.2	97.3	99.3	60.0	58.5	60.3	58.9	60.4
Soap and detergents	-	35.4	35.7	36.1	36.3	-	24.9	25.0	25.4	25.6
Toilet preparations	-	32.9	34.9	33.6	34.7	-	19.1	20.8	19.9	20.7
Paints, varnishes, and allied products	64.2	63.5	64.0	61.8	64.2	36.6	35.9	36.2	34.9	36.6
Agricultural chemicals	52.4	49.8	47.9	47.3	50.0	36.0	33.5	31.7	31.5	33.7
Fertilizers, complete and mixing only	-	37.9	36.2	36.0	38.0	-	27.2	25.5	25.6	27.2
Other chemical products	78.7	78.1	79.5	79.8	80.9	50.1	49.2	50.6	52.4	52.5
PETROLEUM REFINING AND RELATED INDUSTRIES	183.9	183.5	184.5	184.8	188.1	114.6	114.4	115.7	116.9	119.5
Petroleum refining	152.1	152.3	152.0	152.1	153.6	92.8	93.2	93.3	94.3	95.1
Other petroleum and coal products	31.8	31.2	32.5	32.7	34.5	21.8	21.2	22.4	22.6	24.4
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	408.7	408.2	410.2	412.1	408.8	314.4	313.3	315.3	318.9	315.0
Tires and inner tubes	(*)	95.5	95.3	99.3	96.0	(*)	67.9	68.0	72.3	68.9
Other rubber products	161.8	160.9	162.0	163.7	161.2	127.0	126.0	127.0	129.1	126.3
Miscellaneous plastic products	151.4	151.8	152.9	149.1	151.6	119.5	119.4	120.3	117.5	119.8
LEATHER AND LEATHER PRODUCTS	348.5	344.3	349.7	350.9	350.3	307.4	303.4	308.2	310.0	308.9
Leather tanning and finishing	29.9	30.1	31.7	32.0	31.3	26.1	26.3	27.9	28.1	27.4
Footwear, except rubber	238.7	236.9	236.2	238.4	235.6	212.7	211.2	210.3	213.2	209.8
Other leather products	79.9	77.3	81.8	80.5	83.5	68.6	65.9	70.0	68.7	71.7

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 ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
TRANSPORTATION AND PUBLIC UTILITIES	3,871	3,877	3,931	3,775	3,913	-	-	-	-	-
RAILROAD TRANSPORTATION	-	757.6	773.4	755.4	774.4	-	-	-	-	-
Class I railroads	-	662.4	672.3	663.4	679.6	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT	-	281.9	281.5	277.4	273.1	-	-	-	-	-
Local and suburban transportation	-	86.9	87.2	88.2	87.6	-	82.6	82.9	84.3	83.4
Taxicabs	-	116.9	117.0	117.0	114.1	-	-	-	-	-
Intercity and rural bus lines	-	42.2	41.6	41.1	41.7	-	38.9	38.4	38.2	38.7
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	882.7	913.2	853.8	898.0	-	798.3	829.0	773.7	815.7
AIR TRANSPORTATION	-	213.9	213.8	207.7	210.5	-	-	-	-	-
Air transportation, common carriers	-	194.0	193.5	187.0	189.7	-	-	-	-	-
PIPELINE TRANSPORTATION	-	19.4	19.5	20.3	20.0	-	16.5	16.6	17.4	17.2
OTHER TRANSPORTATION	-	284.2	293.1	236.0	296.0	-	-	-	-	-
COMMUNICATION	-	828.3	826.8	819.2	828.5	-	-	-	-	-
Telephone communication	-	686.5	685.3	681.6	688.5	-	548.9	549.2	552.5	555.6
Telegraph communication	-	32.9	33.2	35.6	34.2	-	22.2	23.2	25.7	24.3
Radio and television broadcasting	-	104.6	104.0	97.7	101.5	-	86.6	85.8	80.4	83.3
ELECTRIC, GAS, AND SANITARY SERVICES	-	608.9	609.9	605.6	612.3	-	529.3	531.0	530.2	534.7
Electric companies and systems	-	245.6	246.0	244.7	246.5	-	208.9	209.4	209.3	210.4
Gas companies and systems	-	153.6	154.0	153.3	154.8	-	135.2	135.6	135.5	136.6
Combined utility systems	-	170.7	171.4	170.9	172.5	-	151.4	152.5	153.3	154.0
Water, steam, and sanitary systems	-	39.0	38.5	36.7	38.4	-	33.8	33.5	32.1	33.6
WHOLESALE AND RETAIL TRADE²	11,775	11,893	12,774	11,535	11,865	-	9,008	9,871	8,760	8,993
WHOLESALE TRADE	3,189	3,199	3,238	3,073	3,143	-	2,731	2,773	2,633	2,690
Motor vehicles and automotive equipment	-	238.1	238.8	229.8	235.2	-	200.5	201.2	194.3	199.1
Drugs, chemicals, and allied products	-	191.4	192.8	188.5	190.5	-	158.6	161.0	156.5	158.2
Dry goods and apparel	-	133.6	134.7	132.2	133.5	-	110.2	111.3	109.2	110.4
Groceries and related products	-	500.6	506.6	477.9	494.2	-	442.3	448.3	421.8	436.0
Electrical goods	-	232.4	231.7	223.9	228.5	-	196.5	197.3	195.3	197.3
Hardware, plumbing, and heating goods	-	145.5	146.5	142.1	145.1	-	125.1	126.4	123.0	125.6
Machinery, equipment, and supplies	-	558.1	559.9	521.7	541.7	-	474.0	476.0	444.2	460.8
RETAIL TRADE ²	8,586	8,694	9,536	8,462	8,722	-	6,277	7,098	6,127	6,303
GENERAL MERCHANDISE STORES	-	1,624.6	2,176.1	1,588.6	1,664.0	-	1,481.8	2,030.3	1,453.4	1,525.8
Department stores	-	962.5	1,319.6	943.9	979.8	-	879.1	1,233.6	863.7	898.7
Limited price variety stores	-	300.7	412.4	311.2	324.6	-	277.1	309.0	287.8	301.3
FOOD STORES	-	1,434.5	1,460.3	1,385.1	1,409.1	-	1,333.5	1,361.0	1,291.1	1,313.4
Grocery, meat, and vegetable stores	-	1,266.9	1,279.0	1,215.8	1,236.2	-	1,175.0	1,187.8	1,130.6	1,149.1
APPAREL AND ACCESSORIES STORES	-	608.9	744.8	602.8	620.4	-	550.1	684.2	545.6	561.9
Men's and boys' apparel stores	-	109.2	133.8	104.4	102.5	-	99.5	123.6	95.1	92.9
Women's ready-to-wear stores	-	228.3	274.7	223.3	231.4	-	207.6	253.2	203.2	210.6
Family clothing stores	-	94.6	122.0	94.3	93.7	-	88.2	114.9	87.3	86.9
Shoe stores	-	112.5	136.5	114.6	124.5	-	97.5	121.7	100.9	110.2
FURNITURE AND APPLIANCE STORES	-	396.6	409.5	390.2	392.9	-	352.1	364.8	346.8	349.2
EATING AND DRINKING PLACES	-	1,735.7	1,758.0	1,693.4	1,762.1	-	-	-	-	-
OTHER RETAIL TRADE	-	2,893.2	2,987.3	2,801.5	2,873.5	-	2,559.1	2,657.7	2,489.9	2,552.6
Motor vehicle dealers	-	688.6	686.6	662.5	675.1	-	596.7	596.1	577.3	587.3
Other vehicle and accessory dealers	-	171.2	176.4	155.9	164.5	-	147.7	152.4	131.8	140.5
Drug stores	-	381.9	400.1	377.0	380.6	-	352.6	370.9	350.0	352.7

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

ESTABLISHMENT DATA EMPLOYMENT

20

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

Industry	(In thousands)									
	All employees					Production workers ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
FINANCE, INSURANCE, AND REAL ESTATE	2,884	2,877	2,880	2,806	2,866	-	-	-	-	-
Banking	-	746.8	746.2	723.1	738.4	-	628.8	630.4	611.7	624.9
Credit agencies other than banks	-	298.8	298.0	284.9	291.8	-	-	-	-	-
Savings and loan associations	-	91.1	89.7	84.3	87.1	-	-	-	-	-
Personal credit institutions	-	156.2	156.9	152.0	154.6	-	-	-	-	-
Security dealers and exchanges	-	123.7	123.9	122.0	123.8	-	(*)	113.5	112.2	113.7
Insurance carriers	-	870.7	872.0	855.7	866.4	-	(*)	779.6	768.5	776.5
Life insurance	-	467.2	466.8	457.2	462.7	-	(*)	420.7	413.8	417.9
Accident and health insurance	-	52.4	52.2	51.1	51.8	-	(*)	46.5	45.5	46.2
Fire, marine, and casualty insurance	-	309.8	311.2	306.8	310.5	-	(*)	276.6	274.1	276.8
Insurance agents, brokers, and services	-	221.6	220.2	215.0	218.6	-	-	-	-	-
Real estate	-	539.6	544.1	529.9	551.1	-	-	-	-	-
Operative builders	-	49.5	51.3	46.8	53.5	-	-	-	-	-
Other finance, insurance, and real estate	-	75.6	76.0	75.6	76.1	-	-	-	-	-
SERVICES AND MISCELLANEOUS	8,344	8,310	8,379	7,956	8,297	-	-	-	-	-
Hotel and lodging places	-	584.9	593.1	575.3	641.9	-	-	-	-	-
Hotels, tourist courts, and motels	-	544.4	549.8	534.8	585.3	-	507.3	515.8	502.5	550.9
Personal services:	-	-	-	-	-	-	-	-	-	-
Laundries, cleaning and dyeing plants	-	507.5	507.9	504.5	510.5	-	(*)	371.6	369.0	374.1
Miscellaneous business services:	-	-	-	-	-	-	-	-	-	-
Advertising	-	108.6	109.0	108.1	108.5	-	-	-	-	-
Motion pictures	-	159.9	165.8	162.6	170.9	-	-	-	-	-
Motion picture filming and distributing	-	36.5	40.0	37.7	36.6	-	23.1	25.9	23.7	23.3
Motion picture theaters and services	-	123.4	125.8	124.9	134.3	-	-	-	-	-
Medical services:	-	-	-	-	-	-	-	-	-	-
Hospitals	-	1,322.8	1,318.6	1,268.5	1,300.8	-	-	-	-	-
GOVERNMENT	9,822	9,748	9,926	9,444	9,535	-	-	-	-	-
FEDERAL GOVERNMENT³	2,327	2,323	2,482	2,327	2,358	-	-	-	-	-
Executive	-	2,293.1	2,451.8	2,297.5	2,328.0	-	-	-	-	-
Department of Defense	-	938.1	939.7	959.1	949.2	-	-	-	-	-
Post Office Department	-	588.2	738.0	582.5	598.4	-	-	-	-	-
Other agencies	-	766.8	774.1	755.9	780.4	-	-	-	-	-
Legislative	-	24.1	24.2	23.6	24.1	-	-	-	-	-
Judicial	-	5.7	5.7	5.6	5.7	-	-	-	-	-
STATE AND LOCAL GOVERNMENT	7,495	7,425	7,444	7,117	7,177	-	-	-	-	-
State government	-	1,862.1	1,866.5	1,786.8	1,807.2	-	-	-	-	-
State education	-	667.1	667.8	619.2	615.7	-	-	-	-	-
Other State government	-	1,195.0	1,198.7	1,167.6	1,191.4	-	-	-	-	-
Local government	-	5,563.1	5,577.7	5,330.2	5,369.5	-	-	-	-	-
Local education	-	3,208.5	3,228.1	3,050.0	3,020.6	-	-	-	-	-
Other local government	-	2,354.6	2,349.6	2,280.2	2,348.9	-	-	-	-	-

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

²Data for nonsupervisory workers exclude eating and drinking places.

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

*Not available.

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

SEASONALLY ADJUSTED EMPLOYMENT

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

1957-59=100

Year and month	TOTAL	Mining	Contract construc- tion	Manufac- turing	Transpor- tation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Service and miscel- laneous	Government		
						Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	51.5	147.1	35.4	64.2	91.0	41.3	-	-	43.9	32.8	33.9	-	-
1920.....	52.0	160.9	29.4	64.2	98.1	40.9	-	-	46.4	34.3	32.9	-	-
1921.....	46.4	124.9	35.1	49.7	84.9	42.0	-	-	46.0	35.0	32.0	-	-
1922.....	49.1	120.6	41.0	54.9	86.0	44.9	-	-	45.2	36.3	32.1	-	-
1923.....	54.0	157.4	42.6	62.1	95.2	48.4	-	-	47.0	38.9	33.0	-	-
1924.....	53.3	143.0	45.8	58.3	93.4	49.5	-	-	48.7	40.4	34.4	-	-
1925.....	54.7	141.4	50.1	59.9	93.9	51.1	-	-	48.7	41.6	35.4	-	-
1926.....	56.7	153.9	53.9	61.2	96.7	53.0	-	-	51.6	44.2	36.0	-	-
1927.....	57.0	144.7	55.7	60.3	95.6	54.1	-	-	54.0	46.0	36.9	-	-
1928.....	57.1	136.4	55.6	59.9	93.9	53.8	-	-	56.7	47.4	37.9	-	-
1929.....	59.6	141.2	51.9	64.5	96.1	56.1	-	-	59.6	49.9	38.8	24.1	44.5
1930.....	56.0	131.0	47.5	57.6	90.4	53.1	-	-	58.3	49.0	39.8	23.8	46.1
1931.....	50.7	113.4	42.1	49.2	79.8	48.4	-	-	55.6	46.2	41.3	25.3	47.5
1932.....	44.9	94.9	33.6	41.8	69.1	42.9	-	-	53.0	42.5	40.8	25.2	46.9
1933.....	45.1	96.6	28.0	44.6	65.6	43.5	-	-	51.2	41.7	40.1	25.5	45.7
1934.....	49.4	114.7	29.9	51.2	67.5	48.4	-	-	52.1	44.4	41.7	29.4	46.5
1935.....	51.5	116.5	31.6	54.6	68.4	49.7	-	-	52.8	45.6	44.0	34.0	48.0
1936.....	55.3	122.9	39.7	59.2	72.9	53.2	-	-	54.9	48.3	46.4	37.3	50.0
1937.....	59.0	131.8	38.5	65.0	76.9	57.4	-	-	56.6	51.0	47.5	37.6	51.4
1938.....	55.6	115.7	36.5	56.9	70.2	56.6	-	-	56.3	50.4	49.1	37.4	53.7
1939.....	58.2	110.9	39.8	61.9	72.0	58.8	58.1	59.1	57.8	51.0	50.6	40.9	54.3
1940.....	61.6	120.1	44.8	66.2	74.5	61.8	60.6	62.3	59.4	53.4	53.2	45.0	56.4
1941.....	69.5	124.3	62.0	79.5	80.3	66.0	64.7	66.5	61.2	56.9	59.0	60.5	58.4
1942.....	76.3	128.8	75.2	92.1	84.9	65.2	62.9	66.0	60.8	59.3	69.4	100.0	57.5
1943.....	80.7	120.1	54.3	106.0	89.5	63.9	60.1	65.3	59.4	60.2	76.9	131.2	55.8
1944.....	79.7	115.8	37.9	104.4	93.9	64.6	60.8	66.0	58.3	60.4	76.5	132.2	54.8
1945.....	76.8	108.6	39.2	93.5	95.8	67.0	64.3	67.9	59.2	61.5	75.2	126.8	55.1
1946.....	79.3	111.9	57.5	88.6	99.6	76.7	75.6	77.1	67.1	68.5	70.8	101.8	58.7
1947.....	83.5	124.0	68.7	93.7	102.2	82.0	81.5	82.2	69.3	73.3	69.3	85.5	63.0
1948.....	85.4	129.1	75.1	93.9	102.8	84.9	85.9	84.5	72.3	75.5	71.5	84.1	66.6
1949.....	83.3	120.8	75.0	87.0	98.2	84.8	85.9	84.5	73.4	76.4	74.1	86.2	69.4
1950.....	86.0	117.0	80.8	91.8	99.0	85.9	86.9	85.6	75.8	78.1	76.2	87.1	72.0
1951.....	91.0	120.6	90.2	98.8	103.7	89.2	90.0	88.9	78.7	80.9	80.8	104.0	71.8
1952.....	92.9	116.6	91.2	100.2	104.2	91.6	92.8	91.2	81.8	83.1	83.6	109.3	73.6
1953.....	95.5	112.5	90.9	105.7	105.3	93.8	94.2	93.7	84.8	85.1	84.1	104.1	76.3
1954.....	93.2	102.7	90.5	98.3	100.2	93.7	94.6	93.4	88.3	87.1	85.4	98.8	80.2
1955.....	96.4	102.9	97.1	101.7	101.6	96.5	96.5	96.4	92.3	91.0	87.5	98.8	83.1
1956.....	99.7	106.8	103.9	103.9	104.1	99.4	99.6	99.4	96.0	94.8	92.1	99.8	89.1
1957.....	100.6	107.5	101.2	103.5	104.0	99.7	99.9	99.6	97.9	97.9	96.5	100.1	95.1
1958.....	97.8	97.5	96.2	96.1	97.5	98.4	98.3	98.5	99.6	98.8	99.9	99.0	100.2
1959.....	101.6	95.1	102.5	100.5	98.4	101.9	101.7	102.0	102.5	103.2	103.6	100.9	104.7
1960.....	103.4	92.5	99.9	101.2	98.2	104.3	103.7	104.5	105.5	107.3	107.8	102.5	109.9
1961.....	103.1	87.3	97.5	98.4	95.8	103.8	103.3	104.0	107.9	110.4	111.7	102.9	115.1
1962.....	106.2	84.7	100.8	101.6	95.8	106.1	105.7	106.2	110.6	115.3	116.3	105.7	120.4
1963.....	108.7	82.3	104.9	102.6	96.0	108.6	108.5	108.7	113.3	120.4	120.7	106.5	126.2
1963: 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	112.8	119.0	119.8	105.6	125.3
May.....	108.5	83.1	104.6	103.0	95.9	108.3	108.0	108.4	113.2	119.4	120.0	105.9	125.4
June.....	108.8	83.0	105.5	102.9	96.1	108.6	108.7	108.6	113.2	120.2	120.3	106.1	125.8
July.....	109.1	83.1	106.3	103.0	96.6	108.8	109.1	108.7	113.4	121.1	120.1	106.2	125.5
August.....	109.1	82.5	106.8	102.6	96.7	109.0	108.9	109.1	113.6	121.5	120.2	106.1	125.7
September..	109.3	82.1	106.4	102.9	96.9	109.2	109.5	109.1	113.6	121.5	120.9	106.0	126.6
October...	109.6	81.7	106.2	103.1	96.6	109.3	109.6	109.2	114.1	122.3	122.0	106.2	128.2
November..	109.5	81.8	105.9	102.8	96.4	109.3	109.7	109.2	114.1	122.2	122.1	106.0	128.4
December...	109.8	81.8	106.3	103.2	96.1	109.5	110.2	109.3	114.3	122.6	122.8	106.1	129.3
1964: January...	109.9	81.3	103.6	103.2	96.3	110.3	110.9	110.1	114.9	122.9	122.9	106.1	129.5
February...	110.5	81.2	108.9	103.5	96.3	110.6	111.1	110.4	115.0	123.3	123.1	105.1	130.1

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

Data for the 2 most recent months are preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

22

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

Industry division and group	(In thousands)												
	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
TOTAL	58,082	57,802	57,748	57,580	57,646	57,453	57,344	57,340	57,194	57,060	56,873	56,706	56,458
MINING	625	626	630	630	629	632	635	640	639	640	639	631	631
CONTRACT CONSTRUCTION	3,143	2,992	3,069	3,057	3,066	3,071	3,083	3,069	3,046	3,019	3,005	2,928	2,920
MANUFACTURING	17,176	17,121	17,127	17,061	17,119	17,076	17,033	17,103	17,075	17,095	17,037	16,948	16,872
DURABLE GOODS	9,749	9,726	9,737	9,688	9,718	9,705	9,652	9,701	9,685	9,683	9,660	9,586	9,546
Ordnance and accessories	273	275	276	275	277	275	275	277	278	276	274	278	279
Lumber and wood products	593	594	598	595	589	588	578	564	559	592	588	597	590
Furniture and fixtures	398	394	394	392	391	392	393	392	390	388	387	388	386
Stone, clay, and glass products	612	610	612	614	611	610	616	615	612	612	607	597	590
Primary metal industries	1,179	1,170	1,166	1,155	1,155	1,164	1,176	1,208	1,202	1,184	1,174	1,145	1,133
Fabricated metal products	1,173	1,163	1,169	1,162	1,164	1,165	1,162	1,159	1,156	1,151	1,148	1,136	1,131
Machinery	1,545	1,558	1,555	1,548	1,545	1,531	1,525	1,512	1,508	1,506	1,504	1,501	1,499
Electrical equipment	1,564	1,563	1,565	1,557	1,571	1,574	1,574	1,587	1,593	1,597	1,595	1,589	1,589
Transportation equipment	1,636	1,626	1,629	1,619	1,647	1,635	1,580	1,618	1,623	1,614	1,623	1,597	1,595
Instruments and related products	375	374	375	373	373	373	375	375	375	370	370	368	366
Miscellaneous manufacturing	401	399	397	398	395	398	398	394	389	393	390	390	388
NONDURABLE GOODS	7,427	7,395	7,390	7,373	7,401	7,371	7,381	7,402	7,390	7,412	7,377	7,362	7,326
Food and kindred products	1,739	1,744	1,741	1,733	1,742	1,723	1,728	1,730	1,732	1,743	1,738	1,757	1,747
Tobacco manufactures	89	88	91	95	89	86	91	87	88	89	90	89	89
Textile-mill products	896	891	888	889	890	886	887	891	889	889	891	892	890
Apparel and related products	1,308	1,298	1,295	1,291	1,312	1,306	1,302	1,317	1,306	1,317	1,296	1,286	1,273
Paper and allied products	629	625	624	622	620	622	623	623	620	620	618	619	617
Printing and publishing	943	941	939	931	934	935	937	935	936	934	929	918	907
Chemicals and allied products	879	871	871	870	871	869	870	870	868	864	862	859	856
Petroleum and related products	186	186	188	189	189	190	189	188	187	188	188	188	188
Rubber and plastic products	411	407	405	406	402	402	404	408	414	417	416	411	408
Leather and leather products	347	344	348	347	352	352	350	353	350	351	349	351	351
TRANSPORTATION AND PUBLIC UTILITIES	3,926	3,924	3,915	3,928	3,937	3,950	3,941	3,936	3,919	3,909	3,890	3,894	3,899
WHOLESALE AND RETAIL TRADE	12,079	12,047	11,963	11,941	11,935	11,922	11,907	11,884	11,864	11,825	11,784	11,795	11,729
WHOLESALE TRADE	3,218	3,212	3,190	3,176	3,173	3,170	3,155	3,159	3,148	3,129	3,119	3,106	3,093
RETAIL TRADE	8,861	8,835	8,773	8,765	8,762	8,752	8,752	8,725	8,716	8,696	8,665	8,689	8,636
FINANCE, INSURANCE, AND REAL ESTATE	2,910	2,906	2,892	2,887	2,887	2,873	2,873	2,870	2,865	2,864	2,853	2,848	2,839
SERVICE AND MISCELLANEOUS	8,497	8,471	8,447	8,423	8,430	8,377	8,373	8,349	8,282	8,228	8,199	8,207	8,144
GOVERNMENT	9,726	9,715	9,705	9,653	9,643	9,552	9,499	9,489	9,504	9,480	9,466	9,455	9,424
FEDERAL	2,327	2,349	2,349	2,347	2,352	2,347	2,348	2,351	2,349	2,345	2,339	2,340	2,332
STATE AND LOCAL	7,399	7,366	7,356	7,306	7,291	7,205	7,151	7,138	7,155	7,135	7,127	7,115	7,092

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

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

Major industry group	(In thousands)												
	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
MANUFACTURING	12,703	12,650	12,653	12,590	12,649	12,611	12,575	12,650	12,628	12,647	12,604	12,521	12,455
DURABLE GOODS	7,153	7,127	7,129	7,081	7,110	7,097	7,051	7,103	7,086	7,081	7,070	6,994	6,956
Ordnance and accessories	117	118	118	117	120	119	119	119	120	119	118	119	120
Lumber and wood products	533	534	536	532	526	525	517	503	498	530	528	538	531
Furniture and fixtures	331	328	327	325	325	326	326	326	325	323	322	322	321
Stone, clay, and glass products	494	490	494	495	491	490	496	498	493	492	489	480	474
Primary metal industries	956	948	943	932	931	939	953	984	977	962	952	922	911
Fabricated metal products	902	894	897	891	895	895	891	891	888	883	881	868	864
Machinery	1,070	1,085	1,081	1,074	1,074	1,061	1,058	1,045	1,042	1,040	1,041	1,038	1,038
Electrical equipment	1,051	1,048	1,047	1,041	1,051	1,049	1,051	1,061	1,069	1,068	1,067	1,061	1,059
Transportation equipment	1,140	1,127	1,129	1,116	1,143	1,136	1,079	1,118	1,122	1,112	1,123	1,099	1,094
Instruments and related products	238	236	238	238	237	237	240	241	240	237	236	234	233
Miscellaneous manufacturing	321	319	319	320	317	320	321	317	312	315	313	313	311
NONDURABLE GOODS	5,550	5,523	5,524	5,509	5,539	5,514	5,524	5,547	5,542	5,566	5,534	5,527	5,499
Food and kindred products	1,150	1,156	1,155	1,148	1,159	1,143	1,149	1,148	1,151	1,158	1,152	1,172	1,163
Tobacco manufactures	78	76	80	82	77	73	79	75	75	77	78	77	77
Textile mill products	804	798	795	796	795	793	793	798	797	798	800	800	799
Apparel and related products	1,158	1,151	1,144	1,144	1,164	1,154	1,154	1,169	1,160	1,171	1,161	1,141	1,130
Paper and allied products	490	488	490	488	488	488	490	490	489	488	486	488	486
Printing and publishing	600	598	597	590	591	593	594	594	594	595	591	581	579
Chemicals and allied products	532	525	525	524	527	526	527	527	527	525	524	521	521
Petroleum and related products	117	116	118	119	120	120	120	120	119	120	120	119	119
Rubber and plastic products	316	312	310	311	308	309	310	315	321	324	323	318	315
Leather and leather products	305	303	306	307	310	310	308	311	309	310	307	310	310

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

State	(In thousands)								
	TOTAL			Mining			Contract construction		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
Alabama ¹	804.0	819.4	784.4	8.7	8.7	9.1	39.5	41.4	35.4
Alaska	55.6	57.8	53.5	.9	.9	1.0	1.9	2.8	1.8
Arizona	385.5	391.8	371.5	15.0	15.1	14.8	26.4	27.4	27.2
Arkansas	398.3	407.2	393.6	5.3	5.3	5.3	20.1	22.6	24.3
California	5,396.2	5,537.5	5,240.3	29.8	29.9	29.5	304.1	314.9	291.4
Colorado	554.9	569.6	542.2	11.4	11.5	11.9	30.7	34.3	29.8
Connecticut	959.7	989.2	945.9	(2)	(2)	(2)	39.3	47.0	37.8
Delaware	161.1	164.6	152.8	(3)	(3)	(3)	11.1	12.3	8.7
District of Columbia ¹	582.1	595.5	569.6	(3)	(3)	(3)	20.1	23.4	21.2
Florida ¹	1,505.2	1,509.1	1,437.2	8.7	8.8	8.7	116.4	116.2	110.0
Georgia	1,138.9	1,161.1	1,104.7	5.8	5.8	5.6	51.3	56.8	55.3
Hawaii	(4)	196.8	192.9	(4)	(3)	(3)	(4)	14.8	15.5
Idaho ¹	159.6	165.6	157.1	2.9	2.9	3.1	6.6	8.4	6.5
Illinois	3,564.8	3,659.9	3,496.5	26.0	26.7	25.7	126.7	140.3	125.5
Indiana	1,484.3	1,517.1	1,447.4	8.6	8.9	8.5	55.1	58.6	48.3
Iowa	690.2	705.0	676.1	2.9	2.9	2.7	26.1	29.6	25.7
Kansas	574.4	585.1	566.1	14.1	14.5	14.9	27.9	31.3	30.1
Kentucky	690.3	712.2	670.4	28.3	29.6	28.6	39.6	44.5	37.9
Louisiana ¹	806.9	828.2	780.9	44.6	44.3	42.5	49.9	54.4	49.5
Maine ¹	269.8	277.3	268.6	(3)	(3)	(3)	10.0	12.2	10.1
Maryland ¹	971.5	1,011.4	935.4	2.5	2.5	2.3	59.7	69.2	56.7
Massachusetts	1,920.2	1,994.2	1,910.1	(3)	(3)	(3)	74.4	86.6	65.5
Michigan	2,399.6	2,463.6	2,343.0	11.7	13.4	11.6	86.6	96.4	74.6
Minnesota ¹	975.1	1,008.7	958.2	11.0	11.7	9.8	42.7	50.5	41.0
Mississippi ¹	439.2	448.5	427.5	6.2	6.4	6.0	21.1	22.7	20.4
Missouri	1,381.3	1,412.6	1,343.8	7.0	7.5	5.6	58.2	61.4	56.9
Montana	166.2	171.2	163.9	7.1	7.2	6.9	8.7	10.4	8.9
Nebraska ¹	388.9	398.8	383.3	1.9	2.0	2.0	18.4	21.7	18.4
Nevada	140.8	143.3	129.9	2.8	2.8	2.9	13.0	14.7	14.3
New Hampshire	198.4	202.6	197.3	.2	.3	.2	7.3	9.0	7.3
New Jersey	(4)	2,111.4	2,043.4	(4)	3.7	3.3	(4)	99.5	85.0
New Mexico	248.3	254.7	237.9	17.5	17.4	17.9	16.6	17.8	15.3
New York	(4)	6,399.1	6,162.2	(4)	8.6	7.9	(4)	263.3	239.5
North Carolina	1,295.2	1,320.2	1,258.7	2.2	2.4	3.1	62.3	67.2	63.9
North Dakota	127.6	131.7	125.2	1.7	1.7	1.6	7.9	9.2	7.9
Ohio ¹	3,112.4	3,201.4	3,043.9	18.0	18.6	17.8	109.9	125.8	100.1
Oklahoma ¹	613.0	621.6	595.1	42.6	42.8	42.6	34.9	35.6	31.6
Oregon	534.1	552.8	519.6	1.5	1.5	1.0	23.2	24.8	23.8
Pennsylvania	3,646.4	3,745.5	3,606.0	44.6	45.6	44.3	125.5	142.6	126.5
Rhode Island	290.8	301.2	288.1	(3)	(3)	(3)	10.3	12.3	9.8
South Carolina ¹	629.1	640.2	613.4	1.6	1.6	1.5	32.7	34.1	33.1
South Dakota	146.1	149.1	144.5	2.5	2.5	2.3	8.1	9.8	9.0
Tennessee	984.0	1,007.3	956.0	6.3	6.5	6.7	44.9	47.9	43.2
Texas ¹	2,686.2	2,745.1	2,608.9	111.2	112.1	113.4	164.9	168.5	155.8
Utah	287.6	298.7	280.7	11.6	11.7	12.1	13.3	16.0	13.2
Vermont	105.3	107.8	106.6	1.2	1.2	1.2	3.9	4.6	3.8
Virginia	1,123.0	1,157.3	1,081.0	15.3	15.7	15.2	75.1	81.1	68.1
Washington	823.1	858.1	823.9	1.5	1.6	1.7	36.3	38.9	38.3
West Virginia	441.2	453.5	432.7	45.5	46.1	45.9	15.9	17.3	13.6
Wisconsin ¹	1,210.8	1,249.1	1,189.8	2.1	2.4	2.1	45.3	50.4	44.1
Wyoming	88.7	91.5	87.6	9.3	9.5	9.4	6.7	8.0	5.7

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA STATE EMPLOYMENT

24

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		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
Alabama ¹	243.1	244.4	239.2	47.7	48.4	45.9	154.6	164.8	150.9
Alaska	3.3	3.6	3.3	6.2	6.5	6.4	8.1	8.6	7.7
Arizona	57.0	57.9	56.5	25.4	25.5	25.0	93.7	98.3	88.2
Arkansas	114.6	115.6	110.5	28.2	28.1	27.7	84.3	90.0	83.2
California	1,383.7	1,402.8	1,380.2	360.8	366.9	355.8	1,158.7	1,243.6	1,117.8
Colorado	95.2	96.4	92.5	43.6	44.0	42.6	129.1	138.0	125.6
Connecticut	419.7	423.2	420.6	44.9	45.4	44.4	171.7	183.5	166.0
Delaware	58.5	59.0	55.2	10.5	10.7	10.5	31.5	32.8	30.5
District of Columbia ¹	19.8	19.9	19.6	29.7	30.3	28.9	86.1	91.4	83.7
Florida ¹	242.4	242.8	231.2	106.2	105.4	101.3	415.4	426.6	387.8
Georgia	358.8	360.2	348.7	75.8	75.8	73.0	238.9	255.0	230.0
Hawaii	(4)	21.6	21.8	(4)	15.1	15.3	(4)	48.6	45.1
Idaho	33.1	33.9	31.8	14.0	14.2	13.9	38.7	41.7	39.0
Illinois ¹	1,203.4	1,210.3	1,181.1	268.0	273.2	266.3	758.6	805.2	741.5
Indiana	604.9	612.4	597.9	87.5	88.0	87.3	296.3	313.0	287.3
Iowa	180.2	180.9	175.7	48.0	49.0	48.5	171.2	179.4	166.8
Kansas	115.9	116.7	114.6	51.1	51.6	50.9	131.7	138.4	128.7
Kentucky	183.4	185.6	175.8	51.0	50.7	50.2	147.6	159.7	142.3
Louisiana ¹	142.4	149.0	137.1	79.4	79.5	69.0	183.4	193.6	180.4
Maine ¹	100.3	101.1	100.9	16.4	16.5	16.4	51.9	55.2	51.5
Maryland ¹	255.0	257.9	253.7	72.2	72.9	65.3	210.1	230.9	202.5
Massachusetts	644.2	654.4	666.5	100.8	103.3	98.5	393.4	427.3	389.6
Michigan	985.1	989.8	972.5	127.2	128.7	126.1	440.5	476.6	440.0
Minnesota ¹	235.0	240.9	234.0	76.2	77.5	75.7	238.8	253.6	233.2
Mississippi ¹	133.0	134.7	129.6	25.9	26.4	24.1	85.6	91.4	84.1
Missouri	398.7	400.7	385.5	114.6	115.5	113.0	312.2	329.8	305.5
Montana	21.9	22.0	21.9	16.9	17.3	17.0	38.5	40.8	38.2
Nebraska ¹	66.3	66.8	65.1	36.3	36.5	36.0	95.1	100.7	94.6
Nevada	6.6	6.6	6.2	11.3	11.3	10.1	26.6	27.8	23.8
New Hampshire	85.3	85.7	87.3	9.7	9.7	9.6	36.3	38.1	35.4
New Jersey	(4)	781.5	798.4	(4)	151.3	142.8	(4)	428.1	388.9
New Mexico	16.9	16.8	15.9	19.6	19.9	19.4	51.9	55.5	49.5
New York	(4)	1,820.5	1,802.3	(4)	470.1	450.4	(4)	1,353.5	1,264.9
North Carolina	540.3	544.9	529.1	67.7	68.6	65.8	235.4	255.7	228.9
North Dakota	8.1	8.6	6.6	11.7	11.8	11.7	35.4	37.2	35.6
Ohio ¹	1,223.4	1,232.8	1,208.5	193.6	197.0	192.0	609.7	656.7	591.5
Oklahoma ¹	93.7	93.7	87.8	44.8	45.4	45.5	142.5	147.3	138.1
Oregon	137.0	143.4	136.5	42.9	43.2	42.0	119.7	127.7	115.4
Pennsylvania	1,382.2	1,395.1	1,366.6	259.3	264.5	253.6	675.2	728.4	671.2
Rhode Island	113.4	115.6	113.2	14.2	14.6	14.1	54.9	59.3	54.2
South Carolina ¹	273.2	273.6	265.1	26.5	26.7	25.2	106.0	114.6	103.2
South Dakota	13.2	13.3	13.7	9.8	9.9	10.0	39.1	40.2	38.7
Tennessee	334.6	336.9	324.8	55.6	56.5	54.4	201.6	216.7	196.5
Texas ¹	517.9	520.2	501.5	216.8	218.9	206.8	665.4	709.2	651.5
Utah	53.1	54.4	52.4	21.2	21.4	21.4	64.0	69.6	61.9
Vermont	33.5	34.0	35.6	6.9	6.9	6.8	20.2	21.5	20.2
Virginia	297.6	302.3	291.4	83.6	84.2	78.3	230.1	249.4	222.5
Washington	212.3	220.2	220.7	58.4	59.6	58.3	180.4	196.2	178.4
West Virginia	123.3	124.4	119.4	40.2	40.8	39.6	78.2	85.2	76.7
Wisconsin ¹	454.9	457.4	451.7	69.9	71.6	70.1	248.5	270.2	242.2
Wyoming	6.8	7.1	6.6	9.9	10.1	10.4	18.3	19.3	18.8

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	Finance, insurance, and real estate			Service and miscellaneous			Government		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
Alabama ¹	33.9	33.8	33.6	102.8	103.4	99.1	173.7	174.5	171.2
Alaska	1.9	1.9	1.7	6.0	6.1	5.9	27.3	27.4	25.7
Arizona	20.6	20.4	19.3	61.5	61.0	58.5	85.9	86.2	82.0
Arkansas	16.1	15.8	15.3	50.8	51.1	49.7	78.9	78.7	77.6
California	287.0	286.7	275.5	840.5	850.6	801.6	1,031.6	1,042.1	988.5
Colorado	28.5	28.6	28.6	87.7	87.3	85.0	128.7	129.5	126.2
Connecticut	57.6	57.4	55.7	122.1	125.1	120.0	104.5	107.7	101.5
Delaware	6.5	6.5	6.2	20.9	21.1	20.6	22.1	22.2	21.1
District of Columbia ^{1 5}	29.6	29.5	28.9	104.8	104.9	103.2	292.0	296.1	284.1
Florida ¹	90.0	89.5	89.4	256.8	249.1	250.7	269.3	270.7	258.1
Georgia	54.6	54.7	52.5	132.7	132.8	127.3	221.0	220.0	212.3
Hawaii	(4)	11.0	10.9	(4)	33.4	32.3	(4)	52.3	52.0
Idaho	6.5	6.5	6.4	21.0	20.6	20.3	36.8	37.4	36.1
Illinois ¹	194.5	195.1	192.8	521.3	526.0	508.7	466.3	483.1	454.7
Indiana	62.1	62.2	60.7	155.5	157.0	151.9	214.2	217.1	205.4
Iowa	34.1	34.1	33.4	101.8	102.3	99.3	126.1	126.6	123.9
Kansas	24.8	24.7	24.4	77.9	78.8	75.9	131.0	129.1	126.6
Kentucky	26.7	26.7	26.5	88.9	89.9	86.8	124.8	125.5	122.3
Louisiana	37.4	37.4	36.7	111.0	111.3	109.7	158.8	158.7	156.0
Maine ¹	9.8	9.8	9.6	29.9	30.2	29.8	51.5	52.3	50.3
Maryland ^{1 5}	50.2	50.8	47.7	148.1	151.2	141.8	173.7	176.0	165.4
Massachusetts	104.0	105.0	103.5	337.0	339.4	323.3	266.4	278.2	263.2
Michigan	91.4	90.9	88.2	297.6	296.2	283.9	359.5	371.6	346.1
Minnesota ¹	50.1	50.6	50.8	149.4	151.4	145.5	172.0	172.4	168.2
Mississippi ¹	15.8	15.8	15.4	51.2	51.6	50.0	100.4	99.4	98.1
Missouri	76.7	76.5	74.1	200.3	201.8	194.8	213.6	219.4	208.4
Montana	6.8	6.8	6.7	23.2	23.5	22.9	43.1	43.2	41.4
Nebraska ¹	24.5	24.6	23.9	60.2	60.8	59.0	86.2	85.7	84.3
Nevada	6.0	6.0	5.3	49.7	49.3	44.1	24.8	24.8	23.2
New Hampshire	7.7	7.7	7.6	26.4	26.5	25.5	25.5	25.6	24.5
New Jersey	(4)	94.7	92.5	(4)	288.1	274.1	(4)	264.5	258.4
New Mexico	11.0	11.2	10.5	42.5	43.1	40.2	72.3	73.0	69.2
New York	(4)	508.3	503.5	(4)	1,037.7	1,007.3	(4)	937.2	886.4
North Carolina	50.2	50.0	47.7	139.5	140.1	137.0	197.6	191.3	183.2
North Dakota	6.2	6.2	6.0	23.0	23.1	22.4	33.6	33.8	33.4
Ohio ¹	126.7	127.2	123.6	389.0	391.4	377.2	442.0	452.0	433.2
Oklahoma ¹	29.0	29.0	28.5	80.3	81.8	79.4	145.2	146.0	141.6
Oregon	24.7	24.6	23.4	74.7	75.2	71.0	110.4	112.4	106.5
Pennsylvania	156.7	156.7	154.7	524.3	532.8	516.7	478.6	479.8	472.4
Rhode Island	13.5	13.6	13.0	41.5	42.0	41.3	43.0	43.8	42.5
South Carolina ¹	23.2	23.2	22.9	61.9	61.9	60.5	104.0	104.5	101.9
South Dakota	6.4	6.4	6.5	24.6	24.6	23.0	42.6	42.5	41.6
Tennessee	44.1	43.9	42.9	133.9	135.2	129.9	163.0	163.7	157.6
Texas ¹	143.9	142.1	137.6	379.6	385.4	367.0	486.5	488.7	475.3
Utah	12.3	12.4	12.0	38.5	39.0	37.0	73.6	74.2	70.7
Vermont	4.2	4.3	4.1	18.6	18.1	18.1	17.0	17.3	17.0
Virginia ⁵	49.7	49.8	47.1	150.2	150.8	142.5	221.4	224.0	215.9
Washington	42.1	42.4	41.1	109.7	112.3	107.1	182.4	186.9	178.3
West Virginia	13.3	13.3	13.1	51.7	52.7	52.2	73.2	73.5	72.2
Wisconsin ¹	48.7	49.1	47.9	156.6	160.5	153.8	184.7	187.5	177.8
Wyoming	3.2	3.1	3.3	9.7	9.7	10.0	24.8	24.7	23.4

¹Revised series; not strictly comparable with previously published data.²Combined with construction.³Combined with service.⁴Not available.⁵Federal 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

26

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
	ALABAMA						ARIZONA					
	Birmingham ¹			Mobile			Phoenix			Tucson		
TOTAL.....	198.7	202.2	196.1	(2)	93.9	89.9	219.8	222.8	208.3	78.4	79.9	79.5
Mining.....	4.3	4.3	4.7	(2)	(3)	(3)	.2	.2	.2	3.1	3.2	3.2
Contract construction..	9.6	10.0	9.2	(2)	5.3	5.1	15.4	16.0	15.3	6.3	6.3	7.0
Manufacturing.....	59.0	59.8	59.6	(2)	17.1	16.0	42.9	42.7	40.0	7.1	7.7	9.7
Trans. and pub. util...	16.1	16.3	15.9	(2)	9.8	7.5	14.0	14.0	13.6	5.2	5.0	5.4
Trade.....	47.1	49.1	45.7	(2)	20.9	19.6	57.8	60.4	53.7	18.3	19.3	17.6
Finance.....	14.3	14.3	14.1	(2)	4.0	4.0	14.5	14.3	13.7	3.8	3.8	3.5
Service.....	25.4	25.5	24.9	(2)	11.6	11.1	35.8	35.6	33.8	14.4	14.2	14.2
Government.....	22.9	22.9	22.0	(2)	25.2	26.6	39.2	39.6	38.0	20.2	20.4	18.9
	ARKANSAS											
	Fayetteville			Fort Smith			Little Rock - N. Little Rock			Pine Bluff		
TOTAL.....	16.3	16.6	15.5	29.2	29.8	28.5	89.0	91.4	85.6	19.5	19.8	18.6
Mining.....	(3)	(3)	(3)	.3	.3	.2	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	.9	.9	.7	1.7	1.8	1.8	5.3	6.6	5.5	1.4	1.4	1.2
Manufacturing.....	4.5	4.6	4.3	10.8	10.9	10.7	17.0	17.3	15.8	5.1	5.1	5.1
Trans. and pub. util...	1.3	1.3	1.3	1.8	1.8	1.8	8.0	8.0	7.8	2.6	2.6	2.5
Trade.....	3.5	3.8	3.4	6.6	7.1	6.1	20.0	21.0	19.3	3.6	3.9	3.6
Finance.....	.5	.5	.4	.9	.9	.9	6.9	6.8	6.5	.7	.7	.6
Service.....	2.0	2.0	1.9	3.9	3.9	3.9	13.3	13.3	13.1	1.7	1.8	1.7
Government.....	3.6	3.6	3.6	3.1	3.1	3.2	18.5	18.4	17.6	4.3	4.3	3.9
	CALIFORNIA											
	Bakersfield			Fresno			Los Angeles - Long Beach			Sacramento		
TOTAL.....	72.9	75.6	71.4	89.9	93.8	85.4	2,629.2	2,687.5	2,560.4	183.4	188.2	177.7
Mining.....	6.7	6.8	6.8	1.0	1.1	1.0	11.9	12.0	11.8	.2	.2	.2
Contract construction..	3.4	3.7	3.1	5.1	5.2	4.7	136.0	139.2	131.5	10.8	11.5	10.1
Manufacturing.....	7.5	7.6	7.6	14.8	15.4	13.3	850.0	855.0	850.7	31.3	31.8	30.9
Trans. and pub. util...	5.5	5.8	5.6	7.8	8.3	7.6	146.7	148.5	144.1	12.7	12.9	12.3
Trade.....	16.1	17.5	15.7	23.8	25.7	23.5	570.0	610.1	549.7	35.7	39.2	34.4
Finance.....	2.8	2.8	2.6	4.2	4.2	3.9	143.6	143.6	137.3	8.0	8.0	7.8
Service.....	10.3	10.7	9.7	13.3	13.8	12.9	416.6	420.4	399.8	20.1	20.1	19.0
Government.....	20.6	20.7	20.3	19.9	20.1	18.5	354.4	358.7	335.5	64.6	64.5	63.0
	CALIFORNIA - Continued											
	San Bernardino - Riverside - Ontario ¹			San Diego ¹			San Francisco - Oakland			San Jose ¹		
TOTAL.....	222.1	224.5	209.2	260.6	266.1	256.0	1,063.0	1,091.5	1,036.2	250.5	256.3	234.1
Mining.....	1.3	1.3	1.3	.4	.4	.4	1.9	1.8	1.8	.1	.1	.1
Contract construction..	15.7	16.7	14.8	14.5	14.8	14.6	64.0	65.6	58.8	17.9	18.3	17.1
Manufacturing.....	38.2	38.1	36.5	54.4	54.8	57.5	194.0	195.8	193.6	83.9	85.1	81.5
Trans. and pub. util...	15.6	15.8	15.1	14.4	14.4	13.5	106.5	106.9	104.3	10.3	10.5	9.4
Trade.....	48.4	50.0	44.7	56.2	60.1	54.1	234.8	251.7	228.0	43.0	46.6	39.9
Finance.....	8.6	8.5	7.8	12.2	12.1	11.5	80.5	80.4	77.5	9.6	9.5	8.9
Service.....	35.9	35.6	33.1	44.3	44.7	41.8	157.0	159.9	151.6	46.6	46.7	42.0
Government.....	58.4	58.5	55.9	64.2	64.8	62.6	224.3	229.4	220.6	39.1	39.5	35.2
	CALIFORNIA - Continued											
	Stockton			Denver			Bridgeport			Hartford		
TOTAL.....	63.5	66.0	62.1	357.9	368.2	352.5	129.8	134.6	125.5	253.7	261.1	251.3
Mining.....	.1	.1	.1	3.2	3.2	3.5	(4)	(4)	(4)	(4)	(4)	(4)
Contract construction..	3.3	3.5	3.1	20.1	21.2	20.3	4.2	4.9	4.0	10.5	11.9	10.2
Manufacturing.....	11.4	12.2	10.8	68.9	69.8	68.4	69.7	70.3	67.4	93.5	94.1	94.9
Trans. and pub. util...	5.6	5.4	5.9	30.1	30.6	29.5	5.5	5.6	5.4	9.6	9.7	9.4
Trade.....	15.4	16.9	15.1	87.1	93.7	85.6	22.6	24.6	21.9	48.1	52.3	47.1
Finance.....	2.2	2.2	2.2	21.6	21.6	22.0	3.6	3.7	3.5	33.7	33.8	32.8
Service.....	9.1	9.1	8.5	59.5	59.7	57.2	14.1	14.5	13.2	32.1	32.5	31.1
Government.....	16.4	16.6	16.4	67.4	68.4	66.0	10.2	11.1	10.1	26.2	26.8	25.8

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

ESTABLISHMENT DATA AREA EMPLOYMENT

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
CONNECTICUT - Continued												
	New Britain			New Haven			Stamford			Waterbury		
TOTAL.....	40.4	42.0	40.4	127.4	131.1	128.0	63.0	64.8	61.6	66.9	68.5	67.2
Mining.....	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Contract construction..	1.1	1.3	1.1	6.7	7.2	6.4	2.7	3.1	2.8	1.5	1.7	1.5
Manufacturing.....	23.5	24.5	23.9	41.4	41.9	44.3	24.1	24.2	23.8	37.1	37.5	38.0
Trans. and pub. util...	1.9	1.9	1.8	12.5	12.7	12.3	2.8	2.8	2.7	2.8	2.8	2.7
Trade.....	6.0	6.4	5.7	24.8	26.1	24.5	13.2	14.3	13.0	9.9	10.7	9.8
Finance.....	.9	.9	.8	7.1	7.1	6.8	2.7	2.7	2.6	1.7	1.7	1.7
Service.....	4.0	4.0	3.9	22.7	22.9	21.8	11.4	11.5	10.9	7.7	7.7	7.5
Government.....	3.1	3.1	3.1	12.2	13.2	11.9	6.2	6.3	5.8	6.2	6.4	6.0
DELAWARE												
DISTRICT OF COLUMBIA												
FLORIDA												
	Wilmington			Washington ¹			Jacksonville ¹			Miami ¹		
TOTAL.....	138.6	141.1	133.0	836.0	861.9	808.6	149.0	152.2	146.9	335.0	334.2	333.4
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	8.3	9.2	6.9	53.9	62.2	52.2	9.5	9.7	9.7	19.4	19.9	19.9
Manufacturing.....	58.0	57.8	55.3	37.0	37.3	36.6	20.5	20.4	20.3	46.8	46.9	46.7
Trans. and pub. util...	8.5	8.6	8.3	46.9	47.8	45.3	15.5	16.2	15.4	34.6	34.3	34.1
Trade.....	25.1	26.5	24.8	161.9	172.9	155.2	42.3	44.8	41.7	94.7	95.6	94.5
Finance.....	5.4	5.4	5.3	47.9	47.7	45.8	14.4	14.3	13.9	23.0	23.2	22.8
Service.....	17.4	17.5	17.4	163.8	165.1	158.2	21.5	21.5	20.8	72.3	70.0	73.6
Government.....	15.9	16.1	15.0	324.6	328.9	315.3	25.3	25.3	25.1	44.2	44.3	41.8
FLORIDA - Continued												
GEORGIA												
HAWAII												
	Tampa - St. Petersburg ¹			Atlanta			Savannah			Honolulu		
TOTAL.....	216.7	217.6	209.7	418.2	428.6	399.4	54.5	54.9	52.5	(2)	167.3	163.0
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(3)	(3)
Contract construction..	18.1	18.0	17.8	22.6	24.5	21.0	3.8	3.9	3.4	(2)	12.9	13.5
Manufacturing.....	39.0	39.1	37.1	97.2	97.4	91.0	14.5	14.2	14.3	(2)	14.7	14.6
Trans. and pub. util...	15.9	15.9	15.1	39.4	39.7	37.6	5.9	5.8	5.7	(2)	12.8	13.0
Trade.....	63.4	64.5	61.8	107.0	115.1	103.1	11.4	12.0	11.3	(2)	42.3	38.6
Finance.....	12.9	12.8	12.8	30.4	30.5	29.6	3.0	3.1	2.8	(2)	10.2	9.9
Service.....	35.6	34.8	34.7	59.6	59.6	56.7	6.9	6.9	6.7	(2)	29.2	28.6
Government.....	31.8	32.5	30.4	62.0	61.8	60.4	9.0	9.0	8.3	(2)	45.2	44.8
IDAHO												
ILLINOIS												
INDIANA												
	Boise			Chicago			Evansville ¹			Fort Wayne ¹		
TOTAL.....	28.5	29.3	28.5	(2)	2,564.8	2,479.3	65.9	67.6	63.0	88.3	90.2	87.7
Mining.....	(3)	(3)	(3)	(2)	6.4	6.4	1.5	1.5	1.6	(3)	(3)	(3)
Contract construction..	1.6	1.9	1.7	(2)	98.3	92.6	2.5	2.6	2.1	3.5	3.9	3.3
Manufacturing.....	2.6	2.6	2.7	(2)	863.4	857.5	25.8	25.9	23.6	35.7	36.0	36.4
Trans. and pub. util...	2.7	2.8	2.8	(2)	194.9	191.1	4.4	4.5	4.3	6.5	6.5	6.5
Trade.....	8.2	8.7	8.1	(2)	566.4	529.5	14.6	15.6	14.3	19.7	20.9	19.4
Finance.....	2.1	2.1	2.0	(2)	155.9	154.0	2.5	2.6	2.5	4.9	4.9	4.8
Service.....	4.2	4.2	4.1	(2)	400.9	387.7	8.6	8.8	8.6	10.4	10.5	10.1
Government.....	7.0	7.0	7.1	(2)	278.5	260.5	6.0	6.1	6.0	7.6	7.5	7.2
INDIANA - Continued												
IOWA												
KANSAS												
	Indianapolis ¹			South Bend ¹			Des Moines			Topeka		
TOTAL.....	301.5	309.1	298.8	75.7	82.1	80.0	102.4	104.6	101.3	49.2	49.6	48.7
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	.1	.1	.1
Contract construction..	11.4	12.5	10.9	2.4	2.6	2.3	4.3	4.5	3.1	2.3	2.6	2.6
Manufacturing.....	103.3	103.6	103.5	30.8	35.5	36.1	20.7	21.3	21.0	6.4	6.5	6.6
Trans. and pub. util...	21.3	21.4	21.2	3.6	3.8	3.8	7.9	7.9	8.0	6.9	6.9	6.8
Trade.....	66.4	71.2	65.8	15.8	17.1	15.5	26.7	27.6	26.5	10.0	10.6	9.8
Finance.....	21.3	21.4	20.6	4.3	4.3	4.1	12.0	12.0	11.8	2.8	2.8	2.8
Service.....	33.1	33.4	32.3	12.3	12.2	11.7	16.1	16.2	15.7	7.8	7.8	7.5
Government.....	44.7	45.6	44.5	6.5	6.6	6.5	14.9	15.4	15.2	13.0	12.4	12.7

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

ESTABLISHMENT DATA AREA EMPLOYMENT

28

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
	KANSAS - Continued			KENTUCKY			LOUISIANA					
	Wichita			Louisville ¹			Baton Rouge ¹			New Orleans ¹		
TOTAL.....	119.5	120.7	116.3	251.0	255.4	242.1	72.5	74.1	70.2	303.8	307.1	281.9
Mining.....	1.5	1.5	1.5	(3)	(3)	(3)	.2	.3	.3	9.3	9.3	9.1
Contract construction..	4.7	5.3	4.5	11.1	11.5	10.8	6.8	6.7	5.6	19.1	19.4	17.5
Manufacturing.....	42.1	42.1	41.0	88.5	89.0	83.9	15.3	15.3	16.0	50.8	51.0	45.8
Trans. and pub. util...	6.6	6.6	6.4	20.5	20.5	20.1	4.3	4.3	4.2	40.1	40.1	31.4
Trade.....	27.4	28.2	26.3	54.5	57.3	52.7	15.3	16.7	15.1	75.2	77.8	71.7
Finance.....	5.7	5.7	5.7	12.8	12.8	12.7	3.7	3.8	3.6	18.4	18.4	18.1
Service.....	17.2	17.1	16.5	35.6	35.4	34.5	9.8	9.8	9.1	50.0	50.0	48.6
Government.....	14.4	14.4	14.6	28.0	28.8	27.3	17.1	17.1	16.4	41.0	41.1	39.7
	LOUISIANA - Continued			MAINE			MARYLAND					
	Shreveport ¹			Lewiston - Auburn ¹			Portland ¹			Baltimore ¹		
TOTAL.....	74.8	76.2	71.8	24.8	25.5	25.5	51.5	53.0	50.8	629.8	655.6	611.9
Mining.....	5.5	5.6	5.1	(3)	(3)	(3)	(3)	(3)	(3)	.9	.9	.9
Contract construction..	5.4	5.9	4.5	1.0	1.1	.9	2.4	2.6	2.5	31.5	37.1	30.7
Manufacturing.....	9.6	9.8	9.0	12.1	12.2	13.0	12.2	12.2	12.1	186.1	187.8	185.1
Trans. and pub. util...	8.4	8.5	8.4	.9	.9	.9	5.2	5.4	4.8	54.5	55.1	48.3
Trade.....	19.7	20.4	19.2	5.1	5.5	5.0	14.0	14.7	14.0	132.4	145.6	129.0
Finance.....	3.8	3.9	3.8	.8	.8	.8	4.0	4.1	3.9	34.0	34.5	33.0
Service.....	10.3	10.3	10.2	3.2	3.3	3.2	8.4	8.4	8.4	92.4	94.4	89.5
Government.....	11.9	11.9	11.6	1.7	1.7	1.7	5.3	5.6	5.1	98.0	100.2	95.4
	MASSACHUSETTS											
	Boston			Fall River			New Bedford			Springfield - Chicopee - Holyoke		
TOTAL.....	1,081.4	1,129.5	1,074.2	41.5	42.0	42.6	48.8	50.4	49.5	170.3	174.3	169.6
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	45.5	52.8	39.4	(3)	(3)	(3)	1.2	1.5	1.2	5.3	5.8	4.6
Manufacturing.....	274.1	279.5	286.7	22.4	22.5	23.6	25.8	26.3	26.6	67.7	66.6	67.3
Trans. and pub. util...	62.3	66.4	62.4	1.5	1.5	1.5	2.3	2.3	2.3	7.7	7.8	8.2
Trade.....	243.0	264.5	240.6	7.7	7.9	7.6	8.6	9.3	8.5	33.2	36.3	33.8
Finance.....	75.3	76.0	76.0	(3)	(3)	(3)	(3)	(3)	(3)	8.5	8.6	8.5
Service.....	231.6	232.2	222.0	6.6	6.8	6.6	6.8	6.8	6.8	26.0	26.5	25.7
Government.....	149.6	158.1	147.1	3.3	3.3	3.3	4.1	4.2	4.1	21.9	22.7	21.5
	MASSACHUSETTS - Continued			MICHIGAN								
	Worcester			Detroit			Flint			Grand Rapids		
TOTAL.....	112.0	115.4	114.6	1,227.7	1,255.2	1,184.4	128.3	130.3	124.6	122.2	126.0	118.0
Mining.....	(3)	(3)	(3)	.8	.7	.6	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	3.3	4.1	3.5	43.4	45.2	35.5	3.4	3.7	2.9	4.9	5.7	4.7
Manufacturing.....	46.2	47.0	49.1	514.2	516.2	498.1	76.4	76.6	74.4	54.1	54.1	51.1
Trans. and pub. util...	4.2	4.2	4.1	67.7	67.9	66.7	4.6	4.6	4.4	8.2	8.2	8.5
Trade.....	21.2	22.3	21.5	239.3	256.7	230.7	18.6	19.9	18.0	25.6	28.2	25.0
Finance.....	5.6	5.6	5.5	56.5	56.6	54.7	2.8	2.8	2.7	5.1	5.0	4.8
Service.....	17.2	17.4	16.7	167.3	168.2	160.2	11.0	11.2	10.8	14.7	14.7	14.5
Government.....	14.3	14.8	14.2	138.5	143.7	137.9	11.6	11.6	11.4	9.6	10.1	9.5
	MICHIGAN - Continued			MINNESOTA								
	Lansing			Muskegon - Muskegon Heights			Saginaw			Duluth - Superior ¹		
TOTAL.....	96.3	98.7	92.2	44.3	45.8	45.1	57.2	58.5	54.9	46.9	48.5	46.3
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	3.2	4.1	3.3	1.0	1.1	.9	2.3	2.5	2.0	1.9	2.1	1.8
Manufacturing.....	32.5	32.5	29.6	24.2	24.4	25.1	26.5	26.6	25.0	9.2	9.3	8.5
Trans. and pub. util...	3.3	3.3	3.2	2.3	2.2	2.4	4.5	4.6	4.4	6.1	6.7	6.1
Trade.....	16.9	18.0	16.3	6.9	7.6	6.9	11.1	11.9	11.0	10.9	11.5	11.2
Finance.....	3.2	3.3	3.3	1.2	1.1	1.1	1.5	1.5	1.5	2.0	2.0	1.9
Service.....	9.4	9.5	9.5	4.2	4.5	4.2	6.3	6.3	6.2	9.0	9.1	9.2
Government.....	27.9	28.1	27.0	4.6	4.8	4.6	5.0	5.1	4.9	7.7	7.8	7.6

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

ESTABLISHMENT DATA AREA EMPLOYMENT

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
	MINNESOTA - Continued			MISSISSIPPI			MISSOURI					
	Minneapolis - St. Paul ¹			Jackson ¹			Kansas City			St. Louis		
TOTAL.....	587.4	606.5	579.8	70.9	72.0	69.2	412.6	424.0	404.0	729.1	742.2	713.7
Mining.....	(3)	(3)	(3)	1.2	1.2	1.1	.6	.7	.5	2.5	2.6	2.5
Contract construction..	26.2	30.3	26.0	3.6	3.8	3.6	20.3	21.8	19.7	27.7	27.7	31.0
Manufacturing.....	156.3	159.9	157.1	11.2	11.3	11.2	112.4	112.5	107.6	259.5	261.0	248.4
Trans. and pub. util...	49.2	49.4	48.8	4.6	4.7	4.5	44.1	45.5	44.0	61.7	62.8	61.1
Trade.....	146.4	155.3	142.6	16.6	17.3	16.2	103.2	109.8	102.0	151.5	160.0	150.1
Finance.....	37.2	37.4	38.0	5.3	5.3	5.2	27.5	27.4	27.3	39.0	39.1	37.8
Service.....	92.7	93.9	89.0	12.0	12.1	11.5	55.0	55.7	54.6	103.1	104.5	101.0
Government.....	79.5	80.2	78.4	16.4	16.2	15.9	49.5	50.6	48.3	84.1	84.5	81.8
	MONTANA			NEBRASKA			NEVADA					
	Billings			Great Falls			Omaha ¹			Reno		
TOTAL.....	22.5	23.0	21.8	21.3	21.7	24.4	166.6	169.8	164.3	(2)	41.1	36.3
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(4)	(4)	(4)	(2)	(5)	(5)
Contract construction..	1.1	1.3	1.1	1.5	1.7	2.7	8.8	9.6	8.6	(2)	4.5	3.6
Manufacturing.....	2.8	2.8	2.4	3.1	3.1	5.2	35.6	35.5	35.4	(2)	2.3	2.3
Trans. and pub. util...	2.4	2.5	2.4	2.1	2.1	2.1	20.1	20.2	19.9	(2)	3.8	3.5
Trade.....	7.1	7.3	7.0	5.6	5.7	5.6	39.2	41.4	39.4	(2)	9.0	7.7
Finance.....	1.3	1.3	1.3	1.3	1.3	1.3	14.0	14.1	13.7	(2)	2.1	1.8
Service.....	4.1	4.1	4.0	3.6	3.7	3.5	26.1	26.4	25.4	(2)	12.3	10.7
Government.....	3.7	3.7	3.6	4.1	4.1	4.0	22.8	22.8	21.9	(2)	7.1	6.7
	NEW HAMPSHIRE			NEW JERSEY			NEW JERSEY - Continued					
	Manchester			Jersey City ^{1 6}			Newark ^{1 6}			Paterson - Clifton - Passaic ^{1 6}		
TOTAL.....	41.8	42.7	42.4	247.0	252.5	246.3	666.1	685.5	662.9	387.0	398.9	382.6
Mining.....	(3)	(3)	(3)	-	-	-	.9	.9	.7	.4	.4	.4
Contract construction..	1.6	1.9	1.6	4.9	5.5	5.1	24.2	27.5	24.5	17.5	20.3	17.6
Manufacturing.....	16.5	16.5	17.3	111.1	113.2	112.4	230.3	234.5	237.5	163.9	164.8	168.7
Trans. and pub. util...	2.7	2.7	2.7	35.5	35.9	31.7	50.5	51.0	46.9	22.4	22.5	21.8
Trade.....	9.0	9.5	9.0	35.4	37.4	37.0	134.9	144.7	133.2	85.0	91.6	80.2
Finance.....	2.5	2.5	2.5	8.8	8.7	8.6	46.6	47.0	46.4	13.5	13.7	12.8
Service.....	6.0	6.0	5.9	24.2	24.2	23.8	104.5	105.2	101.1	48.8	49.8	47.0
Government.....	3.6	3.7	3.5	27.1	27.6	27.7	74.2	74.7	72.6	35.5	35.8	34.1
	NEW JERSEY - Continued			NEW MEXICO			NEW YORK					
	Perth Amboy ^{1 6}			Trenton ¹			Albuquerque			Albany - Schenectady - Troy		
TOTAL.....	187.6	193.9	187.1	110.5	112.4	106.8	88.3	90.5	82.4	(2)	231.7	225.4
Mining.....	.8	.8	.7	.1	.1	.1	(3)	(3)	(3)	(2)	(3)	(3)
Contract construction..	8.7	9.8	8.1	3.4	3.9	3.4	6.6	7.0	6.1	(2)	9.1	6.0
Manufacturing.....	88.4	89.9	90.2	38.7	38.5	36.7	8.8	8.7	8.0	(2)	62.4	61.8
Trans. and pub. util...	9.4	9.4	9.4	6.1	6.2	6.0	6.4	6.5	6.2	(2)	14.2	15.9
Trade.....	32.9	36.2	31.2	19.5	20.7	18.4	20.4	21.8	19.0	(2)	45.1	43.1
Finance.....	3.8	3.8	3.7	4.3	4.3	4.3	5.6	5.6	5.4	(2)	9.9	9.9
Service.....	18.6	18.7	17.4	17.7	17.9	17.6	20.0	20.1	18.9	(2)	35.3	35.1
Government.....	25.0	25.3	26.4	20.7	20.8	20.3	20.5	20.8	18.8	(2)	55.7	53.6
	NEW YORK - Continued			NEW YORK - Continued			NEW YORK - Continued					
	Binghamton			Buffalo			Elmira ⁷			Nassau and Suffolk Counties ⁶		
TOTAL.....	(2)	76.9	75.8	(2)	428.8	410.1	(2)	31.6	31.3	(2)	497.3	473.6
Mining.....	(2)	(3)	(3)	(2)	(3)	(3)	(2)	-	-	(2)	(3)	(3)
Contract construction..	(2)	3.1	2.4	(2)	14.8	12.8	(2)	-	-	(2)	32.8	33.7
Manufacturing.....	(2)	34.3	36.2	(2)	166.5	164.0	(2)	13.8	14.3	(2)	134.7	138.7
Trans. and pub. util...	(2)	4.1	4.1	(2)	31.1	30.0	(2)	-	-	(2)	23.9	22.8
Trade.....	(2)	14.4	13.2	(2)	88.0	82.0	(2)	6.4	6.0	(2)	137.1	119.5
Finance.....	(2)	2.5	2.4	(2)	16.4	16.1	(2)	-	-	(2)	22.4	21.2
Service.....	(2)	8.3	7.8	(2)	55.9	54.4	(2)	-	-	(2)	68.9	64.3
Government.....	(2)	10.3	9.6	(2)	56.3	50.9	(2)	-	-	(2)	77.6	73.5

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

**ESTABLISHMENT DATA
AREA EMPLOYMENT**

30

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
	NEW YORK - Continued											
	New York City ⁶			New York-Northeastern New Jersey			Rochester			Syracuse		
TOTAL.....	(2)	3,655.0	3,521.5	(2)	5,957.2	5,732.6	(2)	245.3	229.1	(2)	187.7	183.2
Mining.....	(2)	1.9	1.8	(2)	4.7	4.2	(2)	(3)	(3)	(2)	(3)	(3)
Contract construction..	(2)	131.8	129.4	(2)	247.8	235.1	(2)	12.0	9.1	(2)	7.7	6.3
Manufacturing.....	(2)	893.3	879.3	(2)	1,701.8	1,702.2	(2)	111.7	108.2	(2)	62.1	64.8
Trans. and pub. util...	(2)	314.8	297.4	(2)	471.6	446.5	(2)	10.5	10.2	(2)	12.5	12.2
Trade.....	(2)	786.4	740.4	(2)	1,304.2	1,200.8	(2)	48.1	42.7	(2)	40.7	37.6
Finance.....	(2)	402.3	399.7	(2)	510.7	505.3	(2)	8.8	8.5	(2)	9.7	9.7
Service.....	(2)	656.1	639.3	(2)	967.1	933.7	(2)	28.7	27.6	(2)	26.8	25.9
Government.....	(2)	468.4	434.3	(2)	749.4	704.9	(2)	25.4	23.0	(2)	28.1	26.7
	NEW YORK - Continued						NORTH CAROLINA					
	Utica - Rome			Westchester County ⁶			Charlotte			Greensboro - High Point		
TOTAL.....	(2)	102.4	101.3	(2)	235.0	223.6	115.8	117.8	112.5	-	-	-
Mining.....	(2)	(3)	(3)	(2)	(3)	(3)	(3)	(3)	(3)	-	-	-
Contract construction..	(2)	2.6	2.2	(2)	13.1	12.7	7.5	7.9	6.7	5.3	5.5	5.8
Manufacturing.....	(2)	37.2	38.4	(2)	65.1	65.2	27.8	27.8	28.0	43.4	43.5	43.8
Trans. and pub. util...	(2)	5.5	5.7	(2)	13.2	13.9	14.2	14.3	13.4	5.2	5.2	5.1
Trade.....	(2)	17.6	16.3	(2)	59.2	52.2	31.5	33.2	30.9	20.6	22.4	20.1
Finance.....	(2)	3.9	3.9	(2)	12.2	12.0	8.2	8.2	7.9	6.5	6.5	6.5
Service.....	(2)	12.2	11.6	(2)	42.4	40.2	16.0	15.9	15.3	-	-	-
Government.....	(2)	23.3	23.1	(2)	29.7	27.4	10.6	10.5	10.3	-	-	-
	NORTH CAROLINA - Continued			NORTH DAKOTA			OHIO					
	Winston-Salem			Fargo - Moorhead			Akron ¹			Canton ¹		
TOTAL.....	-	-	-	31.3	31.9	30.1	174.5	178.7	171.1	106.8	109.2	104.0
Mining.....	-	-	-	(3)	(3)	(3)	.1	.1	.1	.5	.5	.5
Contract construction..	-	-	-	2.1	2.4	1.8	4.7	5.4	4.2	3.2	3.5	2.9
Manufacturing.....	37.5	38.8	38.1	2.5	2.5	2.4	80.0	80.4	80.1	51.4	51.4	50.4
Trans. and pub. util...	-	-	-	2.8	2.9	2.8	12.6	12.7	12.3	5.8	5.8	5.6
Trade.....	-	-	-	9.9	10.3	9.7	33.2	36.0	32.2	19.7	21.3	19.2
Finance.....	-	-	-	2.2	2.2	2.1	5.3	5.2	5.2	3.8	3.8	3.7
Service.....	-	-	-	5.5	5.6	5.4	21.8	21.8	21.0	12.6	12.8	12.1
Government.....	-	-	-	6.2	6.1	6.0	16.7	17.2	16.1	9.8	10.1	9.6
	OHIO - Continued											
	Cincinnati ¹			Cleveland ¹			Columbus ¹			Dayton ¹		
TOTAL.....	384.7	398.1	387.7	690.4	710.9	674.6	274.1	284.7	267.5	256.0	262.6	248.6
Mining.....	.3	.3	.3	.5	.4	.5	.8	.8	.7	.5	.5	.4
Contract construction..	13.7	16.3	13.7	24.9	28.2	22.7	10.7	12.6	10.5	7.8	9.0	6.9
Manufacturing.....	140.4	142.0	144.7	271.2	272.0	266.8	73.9	75.0	72.8	105.6	105.9	103.8
Trans. and pub. util...	29.6	30.3	30.0	44.6	45.3	43.8	17.4	17.5	16.9	9.8	10.0	9.8
Trade.....	81.1	87.2	80.8	138.9	150.6	137.7	56.3	62.5	55.3	44.9	49.5	43.1
Finance.....	21.9	22.0	21.6	33.8	33.8	32.6	18.4	18.5	17.4	7.4	7.4	6.9
Service.....	51.5	52.2	51.1	93.6	94.1	91.3	39.7	39.7	36.6	33.1	32.8	30.8
Government.....	46.2	47.8	45.5	82.8	86.4	79.1	56.9	58.1	57.4	46.9	47.5	47.0
	OHIO - Continued						OKLAHOMA					
	Toledo ¹			Youngstown - Warren ¹			Oklahoma City ¹			Tulsa ¹		
TOTAL.....	156.9	161.4	152.7	151.0	154.4	146.5	198.2	201.1	188.9	138.8	140.0	133.0
Mining.....	.2	.2	.1	.4	.4	.4	6.8	6.8	6.5	13.0	13.0	12.7
Contract construction..	5.3	5.8	5.2	5.4	5.8	5.0	14.7	14.7	11.4	8.6	8.5	7.6
Manufacturing.....	60.0	60.2	58.1	70.2	70.0	66.6	24.8	24.9	23.0	29.9	30.0	27.7
Trans. and pub. util...	12.4	12.4	11.8	8.5	8.6	8.3	12.8	13.2	13.1	14.0	14.0	13.7
Trade.....	33.7	36.7	33.9	27.7	29.9	27.4	47.2	48.9	44.5	32.4	33.3	31.2
Finance.....	6.0	6.0	5.7	4.2	4.2	4.3	12.7	12.8	12.2	7.2	7.3	7.1
Service.....	23.3	23.6	22.6	19.5	19.8	19.0	26.1	26.4	25.5	19.9	20.1	19.4
Government.....	15.9	16.4	15.4	15.0	15.7	15.6	53.1	53.4	52.7	13.8	13.8	13.6

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

ESTABLISHMENT DATA AREA EMPLOYMENT

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
OREGON												
	Portland			Allentown - Bethlehem - Easton			Altoona			Erie		
TOTAL	277.6	284.8	269.9	182.3	186.4	180.6	41.3	42.1	39.6	76.7	78.6	75.7
Mining.....	(3)	(3)	(3)	.5	.5	.5	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	12.7	13.2	13.5	5.9	7.0	6.4	1.2	1.3	1.1	2.1	2.4	1.9
Manufacturing.....	64.4	64.8	62.5	92.1	93.2	91.6	11.8	11.7	11.7	35.5	35.8	35.5
Trans. and pub. util...	26.3	26.7	25.9	10.3	10.5	10.3	9.5	9.6	8.2	4.4	4.6	4.5
Trade.....	70.1	74.6	67.7	30.6	32.3	30.4	7.0	7.8	7.0	13.8	14.8	13.6
Finance.....	17.2	17.1	16.3	5.1	5.2	5.1	1.1	1.1	1.1	2.6	2.6	2.5
Service.....	42.4	43.0	41.3	22.5	22.4	21.8	5.7	5.7	5.6	10.2	10.3	10.0
Government.....	44.5	45.4	42.7	15.3	15.3	14.5	5.0	4.9	4.9	8.1	8.1	7.7
PENNSYLVANIA - Continued												
	Harrisburg			Johnstown			Lancaster			Philadelphia		
TOTAL	144.7	148.2	144.0	66.7	68.2	63.3	96.7	99.5	96.8	1,517.1	1,558.2	1,501.2
Mining.....	(3)	(3)	(3)	4.6	4.6	4.6	(3)	(3)	(3)	1.2	1.3	1.3
Contract construction..	6.1	6.8	6.0	2.0	2.2	1.7	4.9	5.5	4.5	63.5	71.1	59.1
Manufacturing.....	32.2	32.6	32.2	23.1	23.0	20.4	46.9	47.5	47.9	529.2	534.7	537.3
Trans. and pub. util...	11.5	11.5	11.7	4.9	4.9	4.8	5.1	5.2	4.9	105.9	107.7	101.2
Trade.....	25.6	27.7	26.1	11.9	13.0	11.8	16.5	17.7	16.8	304.3	327.0	303.0
Finance.....	6.4	6.3	6.4	1.8	1.8	1.7	2.4	2.4	2.4	82.6	83.0	82.5
Service.....	19.1	19.4	17.8	9.4	9.5	9.3	12.3	12.5	11.8	232.0	234.6	224.9
Government.....	43.8	43.9	43.8	9.0	9.2	9.0	8.6	8.7	8.5	198.4	198.8	191.9
PENNSYLVANIA - Continued												
	Pittsburgh			Reading			Scranton			Wilkes-Barre - Hazleton		
TOTAL	747.5	765.6	728.0	102.4	105.6	101.5	75.0	76.3	75.1	102.7	105.4	103.5
Mining.....	9.6	9.7	9.4	(3)	(3)	(3)	1.1	1.1	1.0	4.0	4.1	4.9
Contract construction..	33.6	35.9	29.0	3.2	3.9	3.1	1.7	2.1	1.9	3.1	3.8	3.5
Manufacturing.....	264.7	266.8	254.2	51.9	52.4	51.2	30.7	30.6	30.3	41.8	42.1	42.7
Trans. and pub. util...	55.8	55.8	54.4	5.6	5.7	5.6	6.2	6.2	6.3	6.1	6.1	5.9
Trade.....	145.5	157.4	147.6	15.3	16.8	15.6	13.8	14.8	14.0	18.3	20.0	18.5
Finance.....	33.0	32.8	32.1	4.1	4.1	4.0	2.5	2.4	2.5	3.5	3.5	3.4
Service.....	126.3	128.0	123.6	12.8	13.0	12.6	10.8	10.9	10.8	12.7	12.7	11.7
Government.....	79.0	79.2	77.7	9.5	9.7	9.4	8.2	8.2	8.3	13.2	13.1	12.9
PENNSYLVANIA - Continued												
	York			Providence - Pawtucket ¹			Charleston ¹			Columbia ¹		
TOTAL	84.1	86.3	83.3	299.4	309.2	294.9	61.2	62.3	59.3	77.1	77.6	75.1
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	3.5	4.0	3.8	10.5	12.5	9.8	4.3	4.6	4.2	5.1	5.2	5.3
Manufacturing.....	40.4	40.8	40.9	127.8	129.6	127.1	10.0	9.9	9.5	15.2	15.1	14.7
Trans. and pub. util...	5.5	5.6	4.8	13.8	14.2	13.7	4.2	4.2	3.6	4.8	4.8	4.7
Trade.....	14.6	15.7	14.1	54.6	58.9	54.3	12.4	13.3	12.3	16.8	17.4	16.3
Finance.....	1.9	1.9	1.9	13.4	13.5	12.9	2.8	2.8	2.8	5.5	5.5	5.5
Service.....	9.4	9.5	9.0	41.0	41.5	39.7	7.0	7.0	6.9	9.7	9.7	9.6
Government.....	8.8	8.8	8.8	38.3	39.0	37.4	20.5	20.5	20.0	20.0	19.9	19.0
SOUTH CAROLINA - Continued												
	Greenville ⁸			Sioux Falls			Chattanooga ¹			Knoxville ¹		
TOTAL	90.8	91.8	90.4	28.5	29.4	27.7	95.6	97.2	91.7	119.5	121.9	116.2
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	.2	.2	.2	1.7	1.7	1.7
Contract construction..	5.4	5.4	5.1	1.5	1.9	1.1	2.9	3.2	2.6	4.5	5.0	4.6
Manufacturing.....	45.4	45.8	45.3	5.2	5.2	5.4	40.1	40.4	37.7	42.0	42.7	41.6
Trans. and pub. util...	3.4	3.4	3.4	2.8	2.8	2.8	4.8	4.8	4.6	6.5	6.5	6.4
Trade.....	15.6	16.2	15.1	8.8	9.2	8.4	18.5	19.5	17.8	24.6	25.9	23.3
Finance.....	3.5	3.5	3.5	1.5	1.5	1.7	5.6	5.5	5.5	4.3	4.2	4.2
Service.....	9.6	9.6	9.4	5.1	5.1	4.7	11.3	11.2	11.3	14.1	14.1	13.6
Government.....	7.9	7.9	8.6	3.6	3.6	3.6	12.2	12.4	12.1	21.8	21.8	20.8

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

**ESTABLISHMENT DATA
AREA EMPLOYMENT**

32

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
	TENNESSEE - Continued						TEXAS					
	Memphis ⁸			Nashville ⁸			Dallas ¹			Fort Worth ¹		
TOTAL	206.9	211.7	201.4	166.2	169.6	160.7	442.7	450.8	424.0	-	-	-
Mining.....	.2	.2	.2	(3)	(3)	(3)	7.8	7.8	7.8	-	-	-
Contract construction..	10.9	11.4	10.1	8.8	9.2	8.4	26.4	27.3	26.0	-	-	-
Manufacturing.....	46.5	47.0	45.0	49.9	50.1	47.1	110.1	110.0	104.0	54.7	54.4	49.3
Trans. and pub. util...	16.4	16.5	15.5	10.5	10.9	10.6	36.6	37.6	36.7	-	-	-
Trade.....	54.4	57.9	52.9	35.3	37.4	34.5	121.6	128.8	115.4	-	-	-
Finance.....	11.6	11.5	11.5	11.4	11.5	11.0	37.1	37.0	36.0	-	-	-
Service.....	30.7	30.9	30.3	26.3	26.4	25.8	59.8	60.2	56.3	-	-	-
Government.....	36.2	36.3	35.9	24.0	24.1	23.3	43.3	42.2	41.8	-	-	-
	TEXAS - Continued						UTAH			VERMONT		
	Houston ¹			San Antonio ¹			Salt Lake City			Burlington ⁷		
TOTAL	-	-	-	-	-	-	155.5	161.5	151.5	20.8	21.7	21.9
Mining.....	-	-	-	-	-	-	6.3	6.3	6.3	-	-	-
Contract construction..	-	-	-	11.8	11.8	10.8	7.9	9.8	8.1	-	-	-
Manufacturing.....	93.9	94.0	91.7	23.9	24.0	23.2	29.3	29.7	29.2	4.2	4.4	5.7
Trans. and pub. util...	-	-	-	9.4	9.6	9.3	13.3	13.3	13.2	1.5	1.5	1.5
Trade.....	-	-	-	-	-	-	41.5	44.9	39.7	5.0	5.4	5.1
Finance.....	-	-	-	12.0	12.0	11.8	9.5	9.5	9.3	-	-	-
Service.....	-	-	-	-	-	-	21.5	21.6	20.7	-	-	-
Government.....	-	-	-	54.1	54.1	54.5	26.2	26.4	25.0	-	-	-
	VERMONT - Continued						VIRGINIA					
	Springfield ⁷			Newport News - Hampton ¹			Norfolk - Portsmouth ¹			Richmond ⁸		
TOTAL	11.7	11.9	11.3	76.9	78.0	72.8	158.1	162.4	153.1	183.7	188.4	176.7
Mining.....	-	-	-	(3)	(3)	(3)	.1	.1	.1	.4	.3	.3
Contract construction..	-	-	-	4.1	4.4	3.8	11.9	12.4	11.3	12.3	13.0	11.0
Manufacturing.....	6.4	6.5	6.3	24.2	24.3	24.6	16.5	16.8	15.8	45.8	46.1	44.2
Trans. and pub. util...	.8	.8	.8	4.2	4.1	3.4	14.8	14.7	13.2	15.1	15.3	14.7
Trade.....	1.6	1.8	1.5	12.8	13.4	11.4	38.0	41.1	36.4	42.6	45.8	40.8
Finance.....	-	-	-	2.4	2.4	2.2	6.5	6.5	6.3	14.8	14.8	14.2
Service.....	-	-	-	7.9	7.9	7.3	20.5	20.4	19.9	23.1	23.3	22.5
Government.....	-	-	-	21.3	21.5	20.1	49.8	50.4	50.1	29.6	29.8	29.0
	VIRGINIA - Continued						WASHINGTON					
	Roanoke ¹			Seattle			Spokane			Tacoma		
TOTAL	61.7	63.4	60.1	387.3	404.2	396.2	71.9	74.2	71.2	77.9	80.7	77.6
Mining.....	.1	.1	.1	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	3.2	3.7	3.5	17.6	19.2	17.9	3.3	3.6	2.7	3.3	3.8	3.6
Manufacturing.....	14.7	14.9	14.4	110.5	116.2	124.2	11.9	11.9	11.8	16.6	17.1	16.3
Trans. and pub. util...	8.8	8.8	8.6	29.3	30.0	29.2	7.0	7.1	7.1	5.5	5.6	5.4
Trade.....	14.3	15.3	13.7	88.1	94.9	87.4	19.1	20.6	19.2	16.7	17.7	16.4
Finance.....	3.3	3.3	3.2	24.7	24.7	24.4	4.3	4.3	4.1	4.0	4.1	3.8
Service.....	9.8	9.7	9.4	52.3	52.5	52.0	12.8	13.0	12.7	11.4	11.6	11.2
Government.....	7.5	7.6	7.2	64.8	66.7	61.1	13.5	13.7	13.6	20.4	20.8	20.9
	WEST VIRGINIA						WISCONSIN					
	Charleston			Huntington - Ashland			Wheeling			Green Bay ¹		
TOTAL	76.0	77.6	74.9	68.2	70.4	64.8	49.0	50.2	47.8	39.2	41.0	38.2
Mining.....	3.5	3.6	3.8	.9	1.0	.8	2.5	2.4	2.5	(3)	(3)	(3)
Contract construction..	3.1	3.3	3.3	3.1	3.3	2.8	2.5	2.6	2.5	1.8	2.1	1.8
Manufacturing.....	22.8	22.9	21.5	23.7	23.8	22.0	15.1	15.8	14.8	13.2	13.3	12.7
Trans. and pub. util...	8.3	8.3	8.3	7.1	7.1	7.0	3.4	3.4	3.6	3.6	3.7	3.6
Trade.....	15.8	17.2	15.6	14.7	16.3	14.4	11.1	11.7	10.7	9.9	10.9	9.4
Finance.....	3.2	3.2	3.2	2.4	2.4	2.3	1.9	1.9	1.9	1.1	1.2	1.1
Service.....	9.6	9.6	9.6	7.3	7.4	7.0	7.4	7.4	7.1	5.6	5.8	5.5
Government.....	9.8	9.7	9.9	9.2	9.3	8.7	5.2	5.2	4.8	4.1	4.1	4.1

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

ESTABLISHMENT DATA AREA EMPLOYMENT

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

Industry division	(In thousands)											
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
	WISCONSIN - Continued											
	Kenosha ¹			La Crosse ¹			Madison ¹			Milwaukee ⁸		
TOTAL.....	37.8	38.5	36.7	22.5	23.5	22.3	85.8	87.3	82.0	463.7	477.1	459.3
Mining.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Contract construction..	1.3	1.4	1.0	.9	1.0	.6	3.7	4.2	4.0	17.5	18.5	15.9
Manufacturing.....	22.7	22.9	22.3	6.9	7.3	7.4	13.5	13.5	13.3	191.5	192.4	191.9
Trans. and pub. util...	1.5	1.5	1.6	1.9	1.9	1.9	4.5	4.6	4.3	26.5	27.0	26.8
Trade.....	4.8	5.2	4.5	5.4	5.8	5.3	17.9	18.9	16.9	94.0	102.0	93.3
Finance.....	.6	.6	.6	.6	.6	.6	4.4	4.4	4.2	22.8	22.8	22.7
Service.....	3.8	3.8	3.7	4.1	4.2	4.0	11.7	11.8	11.0	60.4	62.0	59.5
Government.....	3.0	3.0	2.9	2.6	2.6	2.6	30.0	29.9	28.2	51.0	52.3	49.1
	WISCONSIN - Continued			WYOMING								
	Racine ¹			Casper			Cheyenne					
TOTAL.....	45.9	46.8	43.9	16.1	16.4	16.6	19.5	20.9	17.1			
Mining.....	(3)	(3)	(3)	2.9	3.0	3.2	(3)	(3)	(3)			
Contract construction..	1.6	1.6	1.3	1.1	1.3	1.0	4.0	5.0	1.9			
Manufacturing.....	22.2	22.3	21.5	1.4	1.5	1.5	1.3	1.4	1.1			
Trans. and pub. util...	1.9	1.8	1.8	1.6	1.6	1.5	2.4	2.4	2.6			
Trade.....	8.3	9.0	7.9	3.7	3.8	3.9	3.4	3.7	3.6			
Finance.....	1.3	1.3	1.2	.8	.7	.8	.9	.9	.9			
Service.....	5.7	5.7	5.5	2.0	1.9	2.2	2.4	2.4	2.2			
Government.....	5.0	5.1	4.7	2.6	2.6	2.5	5.1	5.1	4.8			

¹ Revised series; not strictly comparable with previously published data.

² Not available.

³ Combined with service.

⁴ Combined with construction.

⁵ Combined with manufacturing.

⁶ Subarea of New York-Northeastern New Jersey.

⁷ Total includes data for industry divisions not shown separately.

⁸ Area definition revised as follows:

Greenville.....Greenville and Pickens Counties.

Memphis.....Shelby County, Tennessee and Crittenden County, Arkansas.

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

Richmond.....Richmond city, and Chesterfield, Hanover, and Henrico Counties.

Milwaukee.....Milwaukee, Ozaukee, and Waukesha Counties.

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.....	50.32	40.5	1.440	62.43	41.1	1.519	53.48	39.7	1.347
1951.....	63.34	40.6	1.56	68.48	41.5	1.65	56.88	39.5	1.44
1952.....	67.16	40.7	1.65	72.63	41.5	1.75	59.95	39.7	1.51
1953.....	70.47	40.5	1.74	76.63	41.2	1.86	62.57	39.6	1.58
1954.....	70.49	39.6	1.78	76.19	40.1	1.90	63.18	39.0	1.62
1955.....	75.70	40.7	1.86	82.19	41.3	1.99	66.63	39.9	1.67
1956.....	78.78	40.4	1.95	85.28	41.0	2.08	70.09	39.6	1.77
1957.....	81.59	39.8	2.05	88.26	40.3	2.19	72.52	39.2	1.85
1958.....	82.71	39.2	2.11	89.27	39.5	2.26	74.11	38.8	1.91
1959.....	88.26	40.3	2.19	96.05	40.7	2.36	78.61	39.7	1.98
1960.....	89.72	39.7	2.26	97.44	40.1	2.43	80.36	39.2	2.05
1961.....	92.34	39.8	2.32	100.35	40.3	2.49	82.92	39.3	2.11
1962.....	96.56	40.4	2.39	104.70	40.9	2.56	85.54	39.6	2.16
1963.....	99.38	40.4	2.46	108.09	41.1	2.63	87.91	39.6	2.22
1963: 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	88.40	40.0	2.21
September.....	100.53	40.7	2.47	109.45	41.3	2.65	89.38	39.9	2.24
October.....	100.53	40.7	2.47	109.71	41.4	2.65	88.98	39.9	2.23
November.....	100.85	40.5	2.49	110.00	41.2	2.67	89.10	39.6	2.25
December.....	102.41	40.8	2.51	111.90	41.6	2.69	90.17	39.9	2.26
1964: January.....	99.90	39.8	2.51	109.21	40.6	2.69	87.85	38.7	2.27
February.....	101.15	40.3	2.51	110.29	41.0	2.69	89.04	39.4	2.26

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

36

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

Industry	Average weekly earnings					Average hourly earnings				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
MINING	-	\$115.36	\$116.48	\$111.66	\$114.40	-	\$2.80	\$2.80	\$2.73	\$2.75
METAL MINING	-	122.80	122.51	116.16	118.66	-	2.91	2.91	2.84	2.88
Iron ores	-	129.27	127.93	118.95	120.96	-	3.10	3.09	3.05	3.07
Copper ores	-	128.30	126.69	121.12	124.56	-	2.97	2.96	2.83	2.89
COAL MINING	-	126.01	125.85	120.43	119.95	-	3.19	3.17	3.08	*3.12
Bituminous	-	127.83	128.40	120.90	121.59	-	3.22	3.21	3.10	*3.15
CRUDE PETROLEUM AND NATURAL GAS	-	112.56	113.79	110.09	111.99	-	2.68	2.69	2.64	2.66
Crude petroleum and natural gas fields	-	122.43	121.54	121.09	120.01	-	2.95	2.95	2.89	2.92
Oil and gas field services	-	104.73	107.75	100.43	105.35	-	2.47	2.50	2.42	2.45
QUARRYING AND NONMETALLIC MINING	-	102.09	105.33	100.14	109.03	-	2.49	2.49	2.39	2.45
CONTRACT CONSTRUCTION	-	122.06	124.96	121.07	127.57	-	3.59	3.54	3.42	3.42
GENERAL BUILDING CONTRACTORS	-	112.16	115.93	111.11	117.72	-	3.43	3.38	3.23	3.27
HEAVY CONSTRUCTION	-	118.30	118.17	115.82	128.03	-	3.25	3.22	3.04	3.10
Highway and street construction	-	112.94	109.08	107.54	125.16	-	3.12	3.09	2.86	2.98
Other heavy construction	-	122.64	126.92	123.13	131.54	-	3.36	3.34	3.19	3.24
SPECIAL TRADE CONTRACTORS	-	129.24	133.48	128.47	133.59	-	3.79	3.76	3.66	3.66
MANUFACTURING	\$101.15	99.90	102.41	97.44	99.38	\$2.51	2.51	2.51	2.43	2.46
DURABLE GOODS	110.29	109.21	111.90	105.82	108.09	2.69	2.69	2.69	2.60	2.63
NONDURABLE GOODS	89.04	87.85	90.17	86.24	87.91	2.26	2.27	2.26	2.20	2.22
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	119.29	119.99	123.26	119.65	119.60	2.96	2.97	2.97	2.89	2.91
Ammunition, except for small arms	120.30	121.91	125.63	119.02	120.25	3.00	3.01	3.02	2.91	2.94
Sighting and fire control equipment	-	126.72	129.78	128.35	125.36	-	3.16	3.15	3.02	3.05
Other ordnance and accessories	114.33	114.74	117.29	117.74	115.77	2.83	2.84	2.84	2.81	2.81
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	81.97	79.70	83.20	77.03	81.80	2.07	2.07	2.08	1.96	2.04
Sawmills and planing mills	75.47	72.94	76.03	70.98	74.80	1.95	1.94	1.92	1.82	1.87
Sawmills and planing mills, general	-	73.83	77.42	71.98	76.02	-	1.99	1.97	1.86	1.91
Millwork, plywood, and related products	91.69	88.62	91.72	87.10	89.40	2.22	2.21	2.21	2.14	2.17
Millwork	-	87.78	89.76	85.93	89.13	-	2.20	2.20	2.17	2.19
Veneer and plywood	-	90.83	93.70	87.78	89.67	-	2.21	2.21	2.10	2.14
Wooden containers	66.74	64.67	68.17	64.02	68.04	1.72	1.72	1.70	1.65	1.68
Wooden boxes, shooks, and crates	-	62.32	66.09	60.99	66.50	-	1.64	1.64	1.58	1.63
Miscellaneous wood products	76.70	73.87	76.14	73.08	74.30	1.88	1.87	1.88	1.80	1.83
FURNITURE AND FIXTURES	82.82	79.59	85.06	79.00	81.39	2.03	2.02	2.03	1.97	1.99
Household furniture	79.32	75.25	81.87	74.19	77.30	1.93	1.91	1.94	1.85	1.89
Wood house furniture, unupholstered	-	71.69	76.72	71.23	73.25	-	1.77	1.78	1.70	1.74
Wood house furniture, upholstered	-	78.83	91.16	76.67	82.76	-	2.08	2.14	2.05	2.09
Mattresses and bedsprings	-	80.68	84.53	79.49	83.16	-	2.14	2.14	2.07	2.10
Office furniture	-	94.40	99.17	94.07	95.35	-	2.36	2.35	2.30	2.32
Partitions, office and store fixtures	-	99.97	102.26	101.85	103.42	-	2.59	2.55	2.54	2.56
Other furniture and fixtures	87.31	83.92	87.56	80.78	83.64	2.14	2.13	2.12	2.04	2.06
STONE, CLAY, AND GLASS PRODUCTS	100.69	99.50	101.50	97.36	102.42	2.48	2.50	2.50	2.44	2.48
Flat glass	-	137.90	135.74	129.26	135.20	-	3.38	3.36	3.34	3.38
Glass and glassware, pressed or blown	100.10	99.54	98.39	100.15	99.75	2.49	2.47	2.51	2.51	2.50
Glass containers	-	100.75	101.40	99.35	100.60	-	2.50	2.51	2.49	2.49
Pressed and blown glassware, n.e.c.	-	96.25	94.25	100.69	98.39	-	2.50	2.50	2.53	2.51
Cement, hydraulic	112.75	117.22	117.26	112.16	116.60	2.84	2.88	2.86	2.79	2.83
Structural clay products	88.13	84.46	88.29	85.41	89.40	2.16	2.16	2.18	2.13	2.17
Brick and structural clay tile	-	77.61	84.25	78.99	84.82	-	1.99	2.04	1.96	2.01
Pottery and related products	-	90.64	92.10	87.69	89.77	-	2.33	2.32	2.26	2.29
Concrete, gypsum, and plaster products	98.98	95.06	100.86	94.40	105.65	2.42	2.45	2.46	2.36	2.44
Other stone and mineral products	105.75	102.82	104.33	98.00	102.18	2.53	2.52	2.52	2.45	2.48
Abrasive products	-	101.49	105.11	99.75	102.51	-	2.55	2.57	2.50	2.55

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Average weekly hours					Average overtime hours				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
MINING	-	41.2	41.6	40.9	41.6	-	-	-	-	-
METAL MINING	-	42.2	42.1	40.9	41.2	-	-	-	-	-
Iron ores	-	41.7	41.4	39.0	39.4	-	-	-	-	-
Copper ores	-	43.2	42.8	42.8	43.1	-	-	-	-	-
COAL MINING	-	39.5	39.7	39.1	* 38.8	-	-	-	-	-
Bituminous	-	39.7	40.0	39.0	* 38.9	-	-	-	-	-
CRUDE PETROLEUM AND NATURAL GAS	-	42.0	42.3	41.7	42.1	-	-	-	-	-
Crude petroleum and natural gas fields	-	41.5	41.2	41.9	41.1	-	-	-	-	-
Oil and gas field services	-	42.4	43.1	41.5	43.0	-	-	-	-	-
QUARRYING AND NONMETALLIC MINING	-	41.0	42.3	41.9	44.5	-	-	-	-	-
CONTRACT CONSTRUCTION	-	34.0	35.3	35.4	37.3	-	-	-	-	-
GENERAL BUILDING CONTRACTORS	-	32.7	34.3	34.4	36.0	-	-	-	-	-
HEAVY CONSTRUCTION	-	36.4	36.7	38.1	41.3	-	-	-	-	-
Highway and street construction	-	36.2	35.3	37.6	42.0	-	-	-	-	-
Other heavy construction	-	36.5	38.0	38.6	40.6	-	-	-	-	-
SPECIAL TRADE CONTRACTORS	-	34.1	35.5	35.1	36.5	-	-	-	-	-
MANUFACTURING	40.3	39.8	40.8	40.1	40.4	2.7	2.7	3.1	2.5	2.8
DURABLE GOODS	41.0	40.6	41.6	40.7	41.1	2.8	2.8	3.3	2.6	2.9
NONDURABLE GOODS	39.4	38.7	39.9	39.2	39.6	2.5	2.5	2.8	2.4	2.7
<i>Durable Goods</i>										
ORDNANCE AND ACCESSORIES	40.3	40.4	41.5	41.4	41.1	-	1.8	2.5	2.6	2.3
Ammunition, except for small arms	40.1	40.5	41.6	40.9	40.9	-	2.1	2.8	2.4	2.5
Sighting and fire control equipment	-	40.1	41.2	42.5	41.1	-	.8	1.7	2.9	1.6
Other ordnance and accessories	40.4	40.4	41.3	41.9	41.2	-	1.5	2.3	2.9	2.3
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	39.6	38.5	40.0	39.3	40.1	-	2.8	3.2	2.8	3.4
Sawmills and planing mills	38.7	37.6	39.6	39.0	40.0	-	2.7	3.2	2.9	3.3
Sawmills and planing mills, general	-	37.1	39.3	38.7	39.8	-	-	-	-	-
Millwork, plywood, and related products	41.3	40.1	41.5	40.7	41.2	-	3.1	3.6	2.8	3.5
Millwork	-	39.9	40.8	39.6	40.7	-	-	-	-	-
Veneer and plywood	-	41.1	42.4	41.8	41.9	-	-	-	-	-
Wooden containers	38.8	37.6	40.1	38.8	40.5	-	1.8	2.6	1.9	3.0
Wooden boxes, shooks, and crates	-	38.0	40.3	38.6	40.8	-	-	-	-	-
Miscellaneous wood products	40.8	39.5	40.5	40.6	40.6	-	2.3	2.8	2.5	2.9
FURNITURE AND FIXTURES	40.8	39.4	41.9	40.1	40.9	-	2.6	3.6	2.5	3.0
Household furniture	41.1	39.4	42.2	40.1	40.9	-	2.8	4.0	2.7	3.2
Wood house furniture, upholstered	-	40.5	43.1	41.9	42.1	-	-	-	-	-
Wood house furniture, upholstered	-	37.9	42.6	37.4	39.6	-	-	-	-	-
Mattresses and bedsprings	-	37.7	39.5	38.4	39.6	-	-	-	-	-
Office furniture	-	40.0	42.2	40.9	41.1	-	1.6	2.5	1.9	2.2
Partitions; office and store fixtures	-	38.6	40.1	40.1	40.4	-	1.4	1.8	1.9	2.2
Other furniture and fixtures	40.8	39.4	41.3	39.6	40.6	-	2.1	3.0	2.1	2.8
STONE, CLAY, AND GLASS PRODUCTS	40.6	39.8	40.6	39.9	41.3	-	2.9	3.3	2.8	3.6
Flat glass	-	40.8	40.4	38.7	40.0	-	3.5	3.4	1.5	2.4
Glass and glassware, pressed or blown	40.2	40.3	39.2	39.9	39.9	-	3.4	3.1	3.3	3.4
Glass containers	-	40.3	40.4	39.9	40.4	-	-	-	-	-
Pressed and blown glassware, n.e.c.	-	38.5	37.7	39.8	39.2	-	-	-	-	-
Cement, hydraulic	39.7	40.7	41.0	40.2	41.2	-	1.9	1.8	1.6	2.1
Structural clay products	40.8	39.1	40.5	40.1	41.2	-	2.4	2.8	2.4	3.1
Brick and structural clay tile	-	39.0	41.3	40.3	42.2	-	-	-	-	-
Pottery and related products	-	38.9	39.7	38.8	39.2	-	1.6	2.3	1.7	2.0
Concrete, gypsum, and plaster products	40.9	38.8	41.0	40.0	43.3	-	3.3	4.3	3.5	5.6
Other stone and mineral products	41.8	40.8	41.4	40.0	41.2	-	2.7	3.0	2.4	3.0
Abrasive products	-	39.8	40.9	39.9	40.2	-	-	-	-	-

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

ESTABLISHMENT DATA HOURS AND EARNINGS

38

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

Industry	Average weekly earnings					Average hourly earnings				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
PRIMARY METAL INDUSTRIES	\$126.48	\$126.18	\$126.38	\$120.80	\$124.64	\$3.07	\$3.07	\$3.06	\$2.99	\$3.04
Blast furnace and basic steel products	133.53	132.47	131.41	128.44	133.06	3.33	3.32	3.31	3.26	3.31
Blast furnaces, steel and rolling mills	-	133.73	132.72	129.69	134.40	-	3.36	3.36	3.30	3.36
Iron and steel foundries	119.56	118.58	120.81	108.14	113.01	2.80	2.79	2.79	2.67	2.71
Gray iron foundries	-	115.60	118.32	106.37	111.04	-	2.72	2.72	2.62	2.65
Malleable iron foundries	-	126.87	125.28	113.85	114.81	-	2.93	2.90	2.75	2.78
Steel foundries	-	121.40	123.84	110.80	117.03	-	2.87	2.88	2.77	2.82
Nonferrous smelting and refining	119.99	119.83	119.97	116.20	118.56	2.85	2.86	2.87	2.80	2.85
Nonferrous rolling, drawing and extruding	118.16	121.27	123.12	116.89	118.72	2.82	2.84	2.85	2.77	2.80
Copper rolling, drawing, and extruding	-	128.17	126.42	120.27	121.40	-	2.96	2.94	2.85	2.87
Aluminum rolling, drawing, and extruding	-	125.46	129.26	123.73	125.46	-	2.98	3.02	2.96	2.98
Nonferrous wire drawing and insulating	-	113.78	115.37	107.27	109.91	-	2.64	2.64	2.53	2.58
Nonferrous foundries	110.09	109.03	110.77	107.38	107.12	2.64	2.64	2.65	2.60	2.60
Aluminum castings	-	111.49	112.29	109.56	109.45	-	2.68	2.68	2.64	2.65
Other nonferrous castings	-	106.75	108.16	104.81	104.96	-	2.61	2.60	2.55	2.56
Miscellaneous primary metal industries	133.98	130.41	134.19	129.98	128.54	3.16	3.15	3.15	3.08	3.09
Iron and steel forgings	-	132.84	137.01	131.75	131.93	-	3.28	3.27	3.19	3.21
FABRICATED METAL PRODUCTS	108.92	108.39	111.04	105.52	108.05	2.65	2.65	2.65	2.58	2.61
Metal cans	128.21	129.13	129.44	122.29	128.17	3.06	3.06	3.06	2.99	3.03
Cutlery, hand tools, and general hardware	106.19	104.90	109.46	102.59	103.73	2.59	2.59	2.60	2.49	2.53
Cutlery and hand tools, including saws	-	95.83	100.36	96.52	97.68	-	2.42	2.43	2.36	2.40
Hardware, n.e.c.	-	110.56	114.59	106.40	107.79	-	2.69	2.69	2.57	2.61
Heating equipment and plumbing fixtures	100.84	99.68	102.87	98.95	101.56	2.54	2.53	2.54	2.48	2.52
Sanitary ware and plumbers' brass goods	-	100.86	102.43	100.65	102.26	-	2.56	2.58	2.51	2.55
Heating equipment, except electric	-	99.15	102.75	97.51	100.85	-	2.51	2.50	2.45	2.49
Fabricated structural metal products	107.18	105.73	109.03	103.46	107.27	2.64	2.63	2.64	2.58	2.61
Fabricated structural steel	-	107.20	110.00	104.81	109.86	-	2.66	2.67	2.64	2.66
Metal doors, sash, frames, and trim	-	89.63	93.66	91.35	93.30	-	2.31	2.29	2.25	2.27
Fabricated plate work (boiler shops)	-	114.68	115.51	109.08	112.61	-	2.75	2.77	2.68	2.72
Sheet metal work	-	111.38	113.71	107.73	111.25	-	2.75	2.76	2.70	2.72
Architectural and miscellaneous metal work	-	101.13	108.77	103.62	106.78	-	2.62	2.64	2.61	2.63
Screw machine products, bolts, etc.	110.56	110.83	110.24	108.46	108.03	2.62	2.62	2.60	2.54	2.56
Screw machine products	-	104.41	103.81	102.72	101.88	-	2.48	2.46	2.40	2.42
Bolts, nuts, screws, rivets, and washers	-	115.75	115.60	112.89	113.36	-	2.73	2.72	2.65	2.68
Metal stampings	121.55	120.70	123.26	113.01	116.47	2.84	2.84	2.84	2.71	2.76
Coating, engraving, and allied services	94.87	96.15	97.34	92.39	94.94	2.36	2.38	2.34	2.27	2.31
Miscellaneous fabricated wire products	96.56	97.20	99.84	98.06	97.58	2.39	2.40	2.40	2.38	2.38
Miscellaneous fabricated metal products	104.52	103.74	106.75	104.75	105.67	2.60	2.60	2.61	2.58	2.59
Valves, pipe, and pipe fittings	-	105.07	108.79	107.71	107.98	-	2.64	2.66	2.64	2.64
MACHINERY	120.27	118.43	120.70	114.40	116.20	2.85	2.84	2.84	2.75	2.78
Engines and turbines	125.15	123.20	129.79	120.99	123.73	3.09	3.08	3.12	2.98	3.04
Steam engines and turbines	-	129.93	140.69	130.33	133.42	-	3.34	3.39	3.21	3.27
Internal combustion engines, n.e.c.	-	119.77	124.38	116.12	118.84	-	2.95	2.99	2.86	2.92
Farm machinery and equipment	-	117.16	116.31	111.66	111.93	-	2.83	2.83	2.73	2.75
Construction and related machinery	116.47	116.88	119.56	112.75	115.79	2.82	2.83	2.84	2.75	2.79
Construction and mining machinery	-	118.49	119.65	114.21	117.14	-	2.89	2.89	2.82	2.85
Oil field machinery and equipment	-	114.63	116.14	106.90	110.54	-	2.71	2.72	2.62	2.67
Conveyors, hoists, and industrial cranes	-	116.75	119.51	111.78	115.56	-	2.76	2.76	2.63	2.70
Metalworking machinery and equipment	137.98	134.64	135.28	127.01	129.33	3.08	3.06	3.04	2.94	2.98
Machine tools, metal cutting types	-	126.13	129.51	121.12	124.85	-	2.94	2.95	2.83	2.89
Special dies, tools, jigs, and fixtures	-	153.97	151.26	142.24	144.05	-	3.29	3.26	3.14	3.18
Machine tool accessories	-	115.36	118.28	114.24	113.98	-	2.80	2.77	2.72	2.74
Miscellaneous metalworking machinery	-	123.22	126.87	117.14	120.10	-	2.92	2.93	2.85	2.88
Special industry machinery	111.83	111.72	114.48	108.71	109.98	2.65	2.66	2.65	2.57	2.60
Food products machinery	-	112.74	117.17	110.95	112.74	-	2.77	2.77	2.68	2.71
Textile machinery	-	94.21	98.24	91.30	92.77	-	2.27	2.29	2.20	2.23
General industrial machinery	117.73	116.18	120.13	110.43	113.71	2.83	2.82	2.84	2.70	2.76
Pumps, air and gas compressors	-	112.06	117.30	108.65	112.32	-	2.72	2.76	2.65	2.70
Ball and roller bearings	-	120.42	122.30	111.11	114.65	-	2.93	2.94	2.71	2.81
Mechanical power transmission goods	-	120.42	124.41	113.85	117.74	-	2.84	2.86	2.75	2.79
Office, computing, and accounting machines	116.40	113.68	115.02	114.21	116.40	2.91	2.90	2.89	2.82	2.86
Computing machines and cash registers	-	119.97	121.44	121.80	123.73	-	3.10	3.09	3.00	3.04
Service industry machines	106.34	104.52	106.45	100.90	103.12	2.60	2.60	2.59	2.51	2.54
Refrigeration, except home refrigerators	-	105.18	107.38	100.65	103.12	-	2.61	2.60	2.51	2.54
Miscellaneous machinery	113.21	112.94	114.01	111.09	111.51	2.67	2.67	2.67	2.62	2.63
Machine shops, jobbing and repair	-	110.14	111.61	110.33	110.50	-	2.61	2.62	2.59	2.60
Machine parts, n.e.c., except electrical	-	118.43	119.39	112.83	113.82	-	2.78	2.77	2.68	2.71

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Average weekly hours					Average overtime hours				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
PRIMARY METAL INDUSTRIES	41.2	41.1	41.3	40.4	41.0	-	2.9	2.8	2.3	2.7
Blast furnace and basic steel products	40.1	39.9	39.7	39.4	40.2	-	1.7	1.4	1.3	1.9
Blast furnaces, steel and rolling mills	-	39.8	39.5	39.3	40.0	-	-	-	-	-
Iron and steel foundries	42.7	42.5	43.3	40.5	41.7	-	4.7	4.7	3.1	3.7
Gray iron foundries	-	42.5	43.5	40.6	41.9	-	-	-	-	-
Malleable iron foundries	-	43.3	43.2	41.4	41.3	-	-	-	-	-
Steel foundries	-	42.3	43.0	40.0	41.5	-	-	-	-	-
Nonferrous smelting and refining	42.1	41.9	41.8	41.5	41.6	-	3.1	2.9	2.8	3.0
Nonferrous rolling, drawing and extruding	41.9	42.7	43.2	42.2	42.4	-	3.9	4.2	3.5	3.7
Copper rolling, drawing, and extruding	-	43.3	43.0	42.2	42.3	-	-	-	-	-
Aluminum rolling, drawing, and extruding	-	42.1	42.8	41.8	42.1	-	-	-	-	-
Nonferrous wire drawing and insulating	-	43.1	43.7	42.4	42.6	-	-	-	-	-
Nonferrous foundries	41.7	41.3	41.8	41.3	41.2	-	3.2	3.4	3.2	3.0
Aluminum castings	-	41.6	41.9	41.5	41.3	-	-	-	-	-
Other nonferrous castings	-	40.9	41.6	41.1	41.0	-	-	-	-	-
Miscellaneous primary metal industries	42.4	41.4	42.6	42.2	41.6	-	3.6	3.8	3.4	3.3
Iron and steel forgings	-	40.5	41.9	41.3	41.1	-	-	-	-	-
FABRICATED METAL PRODUCTS	41.1	40.9	41.9	40.9	41.4	-	3.0	3.3	2.7	3.0
Metal cans	41.9	42.2	42.3	40.9	42.3	-	3.5	3.0	2.7	3.4
Cutlery, hand tools, and general hardware	41.0	40.5	42.1	41.2	41.0	-	2.7	3.4	2.8	2.7
Cutlery and hand tools, including saws	-	39.6	41.3	40.9	40.7	-	-	-	-	-
Hardware, n.e.c.	-	41.1	42.6	41.4	41.3	-	-	-	-	-
Heating equipment and plumbing fixtures	39.7	39.4	40.5	39.9	40.3	-	1.8	2.1	1.9	2.1
Sanitary ware and plumbers' brass goods	-	39.4	39.7	40.1	40.1	-	-	-	-	-
Heating equipment, except electric	-	39.5	41.1	39.8	40.5	-	-	-	-	-
Fabricated structural metal products	40.6	40.2	41.3	40.1	41.1	-	2.5	3.0	2.0	2.8
Fabricated structural steel	-	40.3	41.2	39.7	41.3	-	-	-	-	-
Metal doors, sash, frames, and trim	-	38.8	40.9	40.6	41.1	-	-	-	-	-
Fabricated plate work (boiler shops)	-	41.7	41.7	40.7	41.4	-	-	-	-	-
Sheet metal work	-	40.5	41.2	39.9	40.9	-	-	-	-	-
Architectural and miscellaneous metal work	-	38.6	41.2	39.7	40.6	-	-	-	-	-
Screw machine products, bolts, etc.	42.2	42.3	42.4	42.7	42.2	-	4.0	3.6	4.0	3.6
Screw machine products	-	42.1	42.2	42.8	42.1	-	-	-	-	-
Bolts, nuts, screws, rivets, and washers	-	42.4	42.5	42.6	42.3	-	-	-	-	-
Metal stampings	42.8	42.5	43.4	41.7	42.2	-	3.8	4.4	3.4	3.7
Coating, engraving, and allied services	40.2	40.4	41.6	40.7	41.1	-	3.7	3.6	3.2	3.4
Miscellaneous fabricated wire products	40.4	40.5	41.6	41.2	41.0	-	2.7	3.1	2.9	2.9
Miscellaneous fabricated metal products	40.2	39.9	40.9	40.6	40.8	-	2.2	2.7	2.4	2.6
Valves, pipe, and pipe fittings	-	39.8	40.9	40.8	40.9	-	-	-	-	-
MACHINERY	42.2	41.7	42.5	41.6	41.8	-	3.4	3.8	2.9	3.2
Engines and turbines	40.5	40.0	41.6	40.6	40.7	-	2.3	3.2	2.0	2.5
Steam engines and turbines	-	38.9	41.5	40.6	40.8	-	-	-	-	-
Internal combustion engines, n.e.c.	-	40.6	41.6	40.6	40.7	-	-	-	-	-
Farm machinery and equipment	-	41.4	41.1	40.9	40.7	-	2.9	2.5	2.0	2.2
Construction and related machinery	41.3	41.3	42.1	41.0	41.5	-	2.8	3.1	2.2	2.7
Construction and mining machinery	-	41.0	41.4	40.5	41.1	-	-	-	-	-
Oil field machinery and equipment	-	42.3	42.7	40.8	41.4	-	-	-	-	-
Conveyors, hoists, and industrial cranes	-	42.3	43.3	42.5	42.8	-	-	-	-	-
Metalworking machinery and equipment	44.8	44.0	44.5	43.2	43.4	-	5.6	5.6	4.4	4.8
Machine tools, metal cutting types	-	42.9	43.9	42.8	43.2	-	-	-	-	-
Special dies, tools, jigs, and fixtures	-	46.8	46.4	45.3	45.3	-	-	-	-	-
Machine tool accessories	-	41.2	42.7	42.0	41.6	-	-	-	-	-
Miscellaneous metalworking machinery	-	42.2	43.3	41.1	41.7	-	-	-	-	-
Special industry machinery	42.2	42.0	43.2	42.3	42.3	-	3.5	4.2	3.5	3.5
Food products machinery	-	40.7	42.3	41.4	41.6	-	-	-	-	-
Textile machinery	-	41.5	42.9	41.5	41.6	-	-	-	-	-
General industrial machinery	41.6	41.2	42.3	40.9	41.2	-	3.0	3.5	2.2	2.8
Pumps; air and gas compressors	-	41.2	42.5	41.0	41.6	-	-	-	-	-
Ball and roller bearings	-	41.1	41.6	41.0	40.8	-	-	-	-	-
Mechanical power transmission goods	-	42.4	43.5	41.4	42.2	-	-	-	-	-
Office, computing, and accounting machines	40.0	39.2	39.8	40.5	40.7	-	1.2	1.9	1.3	1.7
Computing machines and cash registers	-	38.7	39.3	40.6	40.7	-	-	-	-	-
Service industry machines	40.9	40.2	41.1	40.2	40.6	-	1.8	2.1	1.6	2.1
Refrigeration, except home refrigerators	-	40.3	41.3	40.1	40.6	-	-	-	-	-
Miscellaneous machinery	42.4	42.3	42.7	42.4	42.4	-	4.2	4.7	4.1	4.1
Machine shops, jobbing and repair	-	42.2	42.6	42.6	42.5	-	-	-	-	-
Machine parts, n.e.c., except electrical	-	42.6	43.1	42.1	42.0	-	-	-	-	-

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

ESTABLISHMENT DATA HOURS AND EARNINGS

40

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

Industry	Average weekly earnings					Average hourly earnings				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
ELECTRICAL EQUIPMENT AND SUPPLIES	\$101.30	\$99.75	\$102.41	\$97.93	\$99.38	\$2.52	\$2.50	\$2.51	\$2.43	\$2.46
Electric distribution equipment	112.06	107.33	113.97	102.91	107.04	2.72	2.67	2.72	2.56	2.63
Electric measuring instruments	-	98.40	100.86	93.83	95.28	-	2.46	2.46	2.34	2.40
Power and distribution transformers	-	108.81	113.84	104.78	108.65	-	2.70	2.73	2.60	2.65
Switchgear and switchboard apparatus	-	113.52	124.26	109.34	115.92	-	2.81	2.91	2.72	2.80
Electrical industrial apparatus	108.47	105.82	107.79	102.82	104.70	2.62	2.60	2.61	2.52	2.56
Motors and generators	-	109.20	111.64	107.49	108.62	-	2.67	2.69	2.59	2.63
Industrial controls	-	100.65	103.16	97.02	99.45	-	2.51	2.51	2.45	2.48
Household appliances	107.87	104.54	109.88	103.74	108.12	2.67	2.66	2.68	2.60	2.65
Household refrigerators and freezers	-	113.77	122.22	111.32	117.83	-	2.83	2.91	2.79	2.86
Household laundry equipment	-	102.54	112.33	106.93	111.66	-	2.72	2.76	2.68	2.73
Electric housewares and fans	-	89.62	89.24	89.15	91.08	-	2.34	2.30	2.28	2.30
Electric lighting and wiring equipment	94.96	93.30	96.70	90.52	93.26	2.38	2.38	2.37	2.28	2.32
Electric lamps	-	98.55	101.19	93.93	96.08	-	2.47	2.45	2.36	2.39
Lighting fixtures	-	93.90	97.61	92.34	94.77	-	2.42	2.41	2.32	2.34
Wiring devices	-	89.54	93.43	87.69	89.78	-	2.29	2.29	2.22	2.25
Radio and TV receiving sets	86.19	87.52	87.25	84.92	85.85	2.21	2.21	2.22	2.20	2.19
Communication equipment	109.21	108.95	110.29	107.27	106.92	2.71	2.69	2.69	2.61	2.64
Telephone and telegraph apparatus	-	108.95	108.26	106.86	105.44	-	2.69	2.66	2.60	2.61
Radio and TV communication equipment	-	109.35	111.65	107.68	108.00	-	2.70	2.71	2.62	2.66
Electronic components and accessories	82.82	82.22	84.16	82.37	82.76	2.14	2.13	2.12	2.08	2.09
Electron tubes	-	97.10	98.71	93.96	95.88	-	2.38	2.39	2.32	2.35
Electronic components, n.e.c.	-	78.28	80.17	78.21	78.99	-	2.06	2.04	1.99	2.01
Miscellaneous electrical equipment and supplies	111.92	112.47	114.09	110.72	107.83	2.71	2.71	2.71	2.63	2.63
Electrical equipment for engines	-	117.29	120.13	116.18	112.34	-	2.84	2.84	2.74	2.74
TRANSPORTATION EQUIPMENT	127.41	128.13	133.30	124.74	126.42	3.07	3.08	3.10	2.97	3.01
Motor vehicles and equipment	133.35	135.15	143.49	129.63	132.68	3.16	3.18	3.21	3.05	3.10
Motor vehicles	-	137.25	151.06	133.85	139.20	-	3.26	3.32	3.12	3.20
Passenger car bodies	-	142.13	155.50	146.62	142.33	-	3.36	3.41	3.28	3.31
Truck and bus bodies	-	105.97	103.98	107.43	104.65	-	2.61	2.53	2.57	2.54
Motor vehicle parts and accessories	-	136.51	141.51	126.42	129.32	-	3.16	3.18	3.01	3.05
Aircraft and parts	123.00	123.00	124.92	122.64	122.43	3.00	3.00	3.01	2.92	2.95
Aircraft	-	122.40	123.71	121.22	121.84	-	3.00	3.01	2.90	2.95
Aircraft engines and engine parts	-	124.03	124.94	126.18	123.49	-	3.04	3.04	2.99	2.99
Other aircraft parts and equipment	-	124.20	129.33	120.98	122.67	-	2.95	2.98	2.86	2.90
Ship and boat building and repairing	119.90	118.80	120.50	118.61	121.06	2.99	2.97	2.99	2.90	2.96
Ship building and repairing	-	125.51	127.35	125.05	127.92	-	3.13	3.16	3.05	3.12
Boat building and repairing	-	89.67	90.68	89.91	90.68	-	2.27	2.25	2.22	2.25
Railroad equipment	-	123.51	124.34	118.89	121.71	-	3.08	3.07	2.95	3.02
Other transportation equipment	-	88.03	92.21	85.46	91.84	-	2.24	2.26	2.18	2.24
INSTRUMENTS AND RELATED PRODUCTS	101.75	100.40	102.91	99.88	101.59	2.50	2.51	2.51	2.46	2.49
Engineering and scientific instruments	-	115.49	120.06	117.29	118.53	-	2.88	2.90	2.84	2.87
Mechanical measuring and control devices	103.12	100.55	103.48	98.74	102.16	2.54	2.52	2.53	2.45	2.51
Mechanical measuring devices	-	101.75	106.40	99.38	103.07	-	2.55	2.57	2.46	2.52
Automatic temperature controls	-	98.95	99.94	97.84	100.60	-	2.48	2.48	2.44	2.49
Optical and ophthalmic goods	94.73	93.30	95.15	92.80	93.86	2.25	2.27	2.26	2.22	2.24
Surgical, medical, and dental equipment	86.05	83.42	86.00	82.97	85.01	2.13	2.15	2.15	2.09	2.12
Photographic equipment and supplies	(2)	116.47	118.71	113.44	115.08	(2)	2.82	2.84	2.76	2.80
Watches and clocks	-	81.62	83.16	82.29	83.13	-	2.12	2.10	2.11	2.11
MISCELLANEOUS MANUFACTURING INDUSTRIES	82.78	79.87	82.39	79.58	80.39	2.08	2.08	2.07	2.03	2.03
Jewelry, silverware, and plated ware	88.26	83.98	94.30	85.60	88.70	2.19	2.17	2.24	2.14	2.19
Toys, amusement, and sporting goods	-	71.97	72.39	73.15	72.37	-	1.94	1.90	1.91	1.87
Toys, games, dolls, and play vehicles	-	68.78	69.01	71.25	70.82	-	1.90	1.86	1.88	1.83
Sporting and athletic goods, n.e.c.	-	75.64	78.01	75.86	75.86	-	1.98	1.97	1.95	1.95
Pens, pencils, office and art materials	-	75.83	78.39	76.44	78.00	-	1.98	1.95	1.94	1.95
Costume jewelry, buttons, and notions	-	72.77	76.57	71.39	73.45	-	1.92	1.90	1.84	1.85
Other manufacturing industries	89.24	86.85	89.02	85.14	86.58	2.22	2.21	2.22	2.15	2.17
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	95.44	95.68	96.59	92.52	94.48	2.38	2.38	2.35	2.29	2.31
Meat products	100.73	104.45	108.20	100.19	101.93	2.55	2.56	2.54	2.48	2.48
Meat packing	-	123.26	128.03	118.30	119.57	-	2.88	2.89	2.81	2.82
Sausages and other prepared meats	-	108.53	113.74	104.12	109.41	-	2.66	2.67	2.59	2.63
Poultry dressing and packing	-	54.77	59.99	51.26	55.27	-	1.53	1.55	1.42	1.47

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Average weekly hours					Average overtime hours				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Durable Goods--Continued</i>										
ELECTRICAL EQUIPMENT AND SUPPLIES	40.2	30.9	40.8	40.3	40.4	-	1.9	2.3	1.9	2.0
Electric distribution equipment	41.2	40.2	41.9	40.2	40.7	-	1.9	2.9	1.5	2.2
Electric measuring instruments	-	40.0	41.0	40.1	39.7	-	-	-	-	-
Power and distribution transformers	-	40.3	41.7	40.3	41.0	-	-	-	-	-
Switchgear and switchboard apparatus	-	40.4	42.7	40.2	41.4	-	-	-	-	-
Electrical industrial apparatus	41.4	40.7	41.3	40.8	40.9	-	2.6	2.7	2.1	2.4
Motors and generators	-	40.9	41.5	41.5	41.3	-	-	-	-	-
Industrial controls	-	40.1	41.1	39.6	40.1	-	-	-	-	-
Household appliances	40.4	39.3	41.0	39.9	40.8	-	1.3	2.3	1.3	2.1
Household refrigerators and freezers	-	40.2	42.0	39.9	41.2	-	-	-	-	-
Household laundry equipment	-	37.7	40.7	39.9	40.9	-	-	-	-	-
Electric housewares and fans	-	38.3	38.8	39.1	39.6	-	-	-	-	-
Electric lighting and wiring equipment	39.9	39.2	40.8	39.7	40.2	-	1.9	2.4	1.7	2.0
Electric lamps	-	39.9	41.3	39.8	40.2	-	-	-	-	-
Lighting fixtures	-	38.8	40.5	39.8	40.5	-	-	-	-	-
Wiring devices	-	39.1	40.8	39.5	39.9	-	-	-	-	-
Radio and TV receiving sets	39.0	39.6	39.3	38.6	39.2	-	1.4	1.7	1.1	1.7
Communication equipment	40.3	40.5	41.0	41.1	40.5	-	1.9	2.0	2.2	1.8
Telephone and telegraph apparatus	-	40.5	40.7	41.1	40.4	-	-	-	-	-
Radio and TV communication equipment	-	40.5	41.2	41.1	40.6	-	-	-	-	-
Electronic components and accessories	38.7	39.6	39.7	39.6	39.6	-	1.6	1.7	1.7	1.8
Electron tubes	-	40.8	41.3	40.5	40.8	-	-	-	-	-
Electronic components, n.e.c.	-	38.0	39.3	39.3	39.3	-	-	-	-	-
Miscellaneous electrical equipment and supplies	41.3	41.5	42.1	42.1	41.0	-	3.3	3.6	3.4	2.6
Electrical equipment for engines	-	41.3	42.3	42.4	41.0	-	-	-	-	-
TRANSPORTATION EQUIPMENT	41.5	41.6	43.0	42.0	42.0	-	3.5	4.6	3.3	3.6
Motor vehicles and equipment	42.2	42.5	44.7	42.5	42.8	-	4.6	6.3	3.8	4.4
Motor vehicles	-	42.1	45.5	42.9	43.5	-	-	-	-	-
Passenger car bodies	-	42.3	45.6	44.7	43.0	-	-	-	-	-
Truck and bus bodies	-	40.6	41.1	41.8	41.2	-	-	-	-	-
Motor vehicle parts and accessories	-	43.2	44.5	42.0	42.4	-	-	-	-	-
Aircraft and parts	41.0	41.0	41.5	42.0	41.5	-	2.3	2.7	2.9	2.6
Aircraft	-	40.8	41.1	41.8	41.3	-	-	-	-	-
Aircraft engines and engine parts	-	40.8	41.1	42.2	41.3	-	-	-	-	-
Other aircraft parts and equipment	-	42.1	43.4	42.3	42.3	-	-	-	-	-
Ship and boat building and repairing	40.1	40.0	40.3	40.9	40.9	-	2.7	3.0	3.1	3.2
Ship building and repairing	-	40.1	40.3	41.0	41.0	-	-	-	-	-
Boat building and repairing	-	39.5	40.3	40.5	40.3	-	-	-	-	-
Railroad equipment	-	40.1	40.5	40.3	40.3	-	2.0	2.1	1.6	2.1
Other transportation equipment	-	39.3	40.6	39.2	41.0	-	2.5	3.0	1.8	3.1
INSTRUMENTS AND RELATED PRODUCTS	40.7	40.0	41.0	40.6	40.8	-	2.1	2.5	2.2	2.3
Engineering and scientific instruments	-	40.1	41.4	41.3	41.3	-	2.6	3.0	2.8	2.5
Mechanical measuring and control devices	40.6	39.9	40.9	40.3	40.7	-	2.1	2.3	1.9	2.3
Mechanical measuring devices	-	39.9	41.4	40.4	40.9	-	-	-	-	-
Automatic temperature controls	-	39.9	40.3	40.1	40.4	-	-	-	-	-
Optical and ophthalmic goods	42.1	41.1	42.1	41.8	41.9	-	2.2	2.7	2.0	2.4
Surgical, medical, and dental equipment	40.4	38.8	40.0	39.7	40.1	-	1.7	2.0	1.6	2.0
Photographic equipment and supplies	(2)	41.3	41.8	41.1	41.1	-	2.2	2.8	3.1	2.7
Watches and clocks	-	38.5	39.6	39.0	39.4	-	2.0	2.2	1.5	1.9
MISCELLANEOUS MANUFACTURING INDUSTRIES	39.8	38.4	39.8	39.2	39.6	-	1.9	2.4	2.0	2.2
Jewelry, silverware, and plated ware	40.3	38.7	42.1	40.0	40.5	-	2.1	4.4	2.5	3.1
Toys, amusement, and sporting goods	-	37.1	38.1	38.3	38.7	-	1.2	1.3	1.7	1.8
Toys, games, dolls, and play vehicles	-	36.2	37.1	37.9	38.7	-	-	-	-	-
Sporting and athletic goods, n.e.c.	-	38.2	39.6	38.9	38.9	-	-	-	-	-
Pens, pencils, office and art materials	-	38.3	40.2	39.4	40.0	-	1.5	2.6	1.9	2.1
Costume jewelry, buttons, and notions	-	37.9	40.3	38.8	39.7	-	2.0	2.6	1.7	2.3
Other manufacturing industries	40.2	39.3	40.1	39.6	39.9	-	2.2	2.4	2.3	2.3
<i>Nondurable Goods</i>										
FOOD AND KINDRED PRODUCTS	40.1	40.2	41.1	40.4	40.9	-	3.3	3.4	3.1	3.4
Meat products	39.5	40.8	42.6	40.4	41.1	-	4.1	4.9	3.3	3.8
Meat packing	-	42.8	44.3	42.1	42.4	-	-	-	-	-
Sausages and other prepared meats	-	40.8	42.6	40.2	41.6	-	-	-	-	-
Poultry dressing and packing	-	35.8	38.7	36.1	37.6	-	-	-	-	-

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

ESTABLISHMENT DATA HOURS AND EARNINGS

42

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

Industry	Average weekly earnings					Average hourly earnings				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>										
FOOD AND KINDRED PRODUCTS--Continued										
Dairy products	\$100.74	\$100.26	\$100.32	\$97.29	\$98.75	\$2.41	\$2.41	\$2.40	\$2.30	\$2.34
Ice cream and frozen desserts	-	95.06	96.07	92.90	94.71	-	2.45	2.42	2.34	2.35
Fluid milk	-	105.00	104.83	101.39	103.28	-	2.50	2.49	2.38	2.43
Canned and preserved food, except meats	-	74.10	73.63	73.13	75.45	-	2.03	1.99	1.95	1.97
Canned, cured and frozen sea foods	-	63.88	65.64	62.89	67.42	-	1.93	1.87	1.90	1.96
Canned food, except sea foods	-	79.82	79.66	78.98	79.79	-	2.14	2.08	2.02	2.02
Frozen food, except sea foods	-	71.39	65.88	68.64	69.45	-	1.84	1.80	1.76	1.79
Grain mill products	105.27	107.89	106.28	103.64	105.02	2.42	2.43	2.41	2.35	2.36
Flour and other grain mill products	-	118.49	114.81	109.75	114.75	-	2.61	2.58	2.50	2.55
Prepared feeds for animals and fowls	-	93.52	92.41	92.46	91.54	-	2.06	2.04	2.01	1.99
Bakery products	94.00	92.98	95.34	90.68	93.90	2.35	2.36	2.36	2.29	2.33
Bread, cake, and perishable products	-	94.01	96.15	92.10	95.34	-	2.38	2.38	2.32	2.36
Biscuit, crackers, and pretzels	-	88.76	91.48	86.02	88.80	-	2.27	2.27	2.20	2.22
Sugar	-	97.20	95.90	96.93	100.74	-	2.40	2.22	2.37	2.41
Confectionery and related products	79.40	76.42	78.21	76.44	78.80	2.00	1.99	1.97	1.94	1.98
Candy and other confectionery products	-	71.82	74.24	72.52	74.26	-	1.89	1.87	1.85	1.88
Beverages	106.00	103.62	106.13	101.79	107.18	2.67	2.65	2.68	2.59	2.64
Malt liquors	-	132.65	132.70	131.26	135.32	-	3.41	3.42	3.34	3.40
Bottled and canned soft drinks	-	73.66	77.57	71.38	77.70	-	1.86	1.92	1.78	1.85
Miscellaneous food and kindred products	95.82	95.40	96.13	92.65	93.70	2.26	2.25	2.22	2.18	2.21
TOBACCO MANUFACTURES										
Cigarettes	67.97	73.11	74.86	73.15	73.73	1.97	1.96	1.90	1.90	1.91
Cigars	-	91.26	93.67	90.32	92.20	-	2.34	2.33	2.31	2.34
	-	57.75	63.24	59.57	60.64	-	1.65	1.63	1.58	1.60
TEXTILE MILL PRODUCTS										
Cotton broad woven fabrics	71.98	70.00	72.69	67.26	69.43	1.76	1.75	1.76	1.69	1.71
Silk and synthetic broad woven fabrics	72.56	72.31	73.78	66.66	68.30	1.74	1.73	1.74	1.65	1.67
Weaving and finishing broad woollens	77.22	76.50	79.20	73.35	74.65	1.80	1.80	1.80	1.73	1.74
Narrow fabrics and smallwares	75.44	75.30	75.81	75.35	75.40	1.84	1.85	1.84	1.82	1.83
Knitting	73.81	69.56	73.46	70.69	71.34	1.77	1.77	1.77	1.72	1.74
Full-fashioned hosiery	65.02	60.45	62.79	59.94	62.65	1.68	1.67	1.67	1.62	1.64
Seamless hosiery	-	57.40	61.83	57.56	60.48	-	1.64	1.64	1.56	1.60
Knit outerwear	-	58.77	60.00	56.63	58.34	-	1.61	1.60	1.56	1.56
Knit underwear	-	61.07	63.71	62.05	65.57	-	1.77	1.76	1.70	1.73
Finishing textiles, except wool and knit	-	58.40	60.58	57.75	59.90	-	1.60	1.59	1.54	1.56
Floor covering	84.05	78.17	84.44	75.48	79.76	1.95	1.93	1.95	1.85	1.89
Yarn and thread	-	72.14	77.83	71.86	75.18	-	1.79	1.81	1.77	1.79
Miscellaneous textile goods	65.37	64.40	66.33	60.61	63.59	1.61	1.61	1.61	1.55	1.57
	80.18	80.39	83.80	78.98	81.14	1.97	1.98	2.00	1.95	1.96
APPAREL AND RELATED PRODUCTS										
Men's and boys' suits and coats	65.15	59.83	63.54	60.35	62.09	1.78	1.77	1.77	1.70	1.72
Men's and boys' furnishings	77.12	73.57	77.70	71.57	74.87	2.09	2.09	2.10	1.95	2.04
Men's and boys' shirts and nightwear	57.22	53.20	55.57	52.85	54.31	1.53	1.52	1.51	1.44	1.46
Men's and boys' separate trousers	-	51.26	54.53	52.45	53.48	-	1.49	1.49	1.41	1.43
Work clothing	-	54.62	57.29	53.87	55.06	-	1.53	1.54	1.46	1.48
Women's, misses', and juniors' outerwear	-	52.98	53.80	51.04	52.45	-	1.48	1.47	1.41	1.41
Women's blouses, waists, and shirts	68.80	61.30	64.80	63.65	65.32	1.96	1.94	1.94	1.90	1.91
Women's suits, skirts, and coats	-	47.63	55.58	53.66	55.65	-	1.62	1.63	1.56	1.59
Women's, misses', and juniors' dresses	-	59.28	63.83	61.37	64.35	-	1.95	1.97	1.93	1.95
Women's suits, skirts, and coats	-	76.28	77.41	78.96	78.77	-	2.34	2.36	2.35	2.31
Women's and misses' outerwear, n.e.c.	-	58.93	59.50	59.73	59.57	-	1.66	1.63	1.61	1.61
Women's and children's undergarments	59.09	53.94	58.60	54.11	57.41	1.61	1.61	1.61	1.52	1.56
Corsets and allied garments	-	52.05	55.90	52.12	54.83	-	1.54	1.54	1.46	1.49
Hats, caps, and millinery	-	57.42	63.34	58.76	62.02	-	1.74	1.74	1.66	1.69
Girls' and children's outerwear	-	64.60	65.68	63.70	65.69	-	1.90	1.85	1.82	1.84
Children's dresses, blouses, and shirts	59.41	52.79	55.54	54.67	55.80	1.58	1.59	1.56	1.54	1.55
Fur goods and miscellaneous apparel	-	51.68	54.91	54.41	55.49	-	1.60	1.56	1.55	1.55
Miscellaneous fabricated textile products	-	64.14	67.66	63.19	65.16	-	1.87	1.89	1.77	1.81
Housefurnishings	70.43	66.98	70.41	64.18	66.85	1.82	1.84	1.81	1.73	1.75
	-	55.20	61.37	55.59	58.81	-	1.60	1.59	1.54	1.56
PAPER AND ALLIED PRODUCTS										
Paper and pulp	106.85	106.34	108.36	103.21	105.90	2.52	2.52	2.52	2.44	2.48
Paperboard	119.41	118.70	119.24	115.46	117.75	2.72	2.71	2.71	2.63	2.67
Converted paper and paperboard products	122.54	121.28	122.54	114.93	118.90	2.76	2.75	2.76	2.63	2.69
Bags, except textile bags	93.66	94.30	98.18	91.84	93.79	2.29	2.30	2.31	2.24	2.26
Paperboard containers and boxes	-	86.50	91.81	85.84	87.76	-	2.12	2.15	2.13	2.13
Folding and setup paperboard boxes	96.35	96.22	98.23	92.80	96.28	2.35	2.37	2.35	2.28	2.32
Corrugated and solid fiber boxes	-	85.46	90.29	82.18	86.50	-	2.18	2.16	2.07	2.12
	-	104.92	105.33	100.60	105.22	-	2.51	2.49	2.43	2.47

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Average weekly hours					Average overtime hours				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>										
FOOD AND KINDRED PRODUCTS--Continued										
Dairy products	41.8	41.6	41.8	42.3	42.2	-	2.9	2.7	3.1	3.1
Ice cream and frozen desserts	-	38.8	39.7	39.7	40.3	-	-	-	-	-
Fluid milk	-	42.0	42.1	42.6	42.5	-	-	-	-	-
Canned and preserved food, except meats	-	36.5	37.0	37.5	38.3	-	1.8	2.0	2.2	2.4
Canned, cured and frozen sea foods	-	33.1	35.1	33.1	34.4	-	-	-	-	-
Canned food, except sea foods	-	37.3	38.3	39.1	39.5	-	-	-	-	-
Frozen food, except sea foods	-	38.8	36.6	39.0	38.8	-	-	-	-	-
Grain mill products	43.5	44.4	44.1	44.1	44.5	-	6.0	5.5	5.8	6.3
Flour and other grain mill products	-	45.4	44.5	43.9	45.0	-	-	-	-	-
Prepared feeds for animals and fowls	-	45.4	45.3	46.0	46.0	-	-	-	-	-
Bakery products	40.0	39.4	40.4	39.6	40.3	-	2.8	2.9	2.5	3.0
Bread, cake, and perishable products	-	39.5	40.4	39.7	40.4	-	-	-	-	-
Biscuit, crackers, and pretzels	-	39.1	40.3	39.1	40.0	-	-	-	-	-
Sugar	-	40.5	43.2	40.9	41.8	-	4.0	3.0	3.1	3.6
Confectionery and related products	39.7	38.4	39.7	39.4	39.8	-	2.3	2.6	2.3	2.5
Candy and other confectionery products	-	38.0	39.7	39.2	39.5	-	-	-	-	-
Beverages	39.7	39.1	39.6	39.3	40.6	-	2.1	2.6	2.3	3.1
Malt liquors	-	38.9	38.8	39.3	39.8	-	-	-	-	-
Bottled and canned soft drinks	-	39.6	40.4	40.1	42.0	-	-	-	-	-
Miscellaneous food and kindred products	42.4	42.4	43.3	42.5	42.4	-	4.2	3.9	3.8	3.9
TOBACCO MANUFACTURES	34.5	37.3	39.4	38.5	38.6	-	.6	1.3	.6	1.1
Cigarettes	-	39.0	40.2	39.1	39.4	-	.5	1.2	.5	1.2
Cigars	-	35.0	38.8	37.7	37.9	-	.4	1.5	.7	1.1
TEXTILE MILL PRODUCTS	40.9	40.0	41.3	39.8	40.6	-	3.1	3.5	2.8	3.2
Cotton broad woven fabrics	41.7	41.8	42.4	40.4	40.9	-	4.0	4.0	3.0	3.4
Silk and synthetic broad woven fabrics	42.9	42.5	44.0	42.4	42.9	-	4.4	4.9	4.0	4.3
Weaving and finishing broad woollens	41.0	40.7	41.2	41.4	41.2	-	3.1	3.1	3.4	3.4
Narrow fabrics and smallwares	41.7	39.3	41.5	41.1	41.0	-	2.6	3.2	3.3	3.1
Knitting	38.7	36.2	37.6	37.0	38.2	-	1.5	1.7	1.6	2.0
Full-fashioned hosiery	-	35.0	37.7	36.9	37.8	-	-	-	-	-
Seamless hosiery	-	36.5	37.5	36.3	37.4	-	-	-	-	-
Knit outerwear	-	34.5	36.2	36.5	37.9	-	-	-	-	-
Knit underwear	-	36.5	38.1	37.5	38.4	-	-	-	-	-
Finishing textiles, except wool and knit	43.1	40.5	43.3	40.8	42.2	-	3.5	4.6	3.1	4.1
Floor covering	-	40.3	43.0	40.6	42.0	-	3.8	5.0	3.3	4.4
Yarn and thread	40.6	40.0	41.2	39.1	40.5	-	3.0	3.2	2.5	3.1
Miscellaneous textile goods	40.7	40.6	41.9	40.5	41.4	-	3.2	3.9	3.2	3.5
APPAREL AND RELATED PRODUCTS	36.6	33.8	35.9	35.5	36.1	-	1.0	1.2	1.0	1.3
Men's and boys' suits and coats	36.9	35.2	37.0	36.7	36.7	-	1.0	.9	1.1	1.0
Men's and boys' furnishings	37.4	35.0	36.8	36.7	37.2	-	.7	1.0	.9	1.1
Men's and boys' shirts and nightwear	-	34.4	36.6	37.2	37.4	-	-	-	-	-
Men's and boys' separate trousers	-	35.7	37.2	36.9	37.2	-	-	-	-	-
Work clothing	-	35.8	36.6	36.2	37.2	-	-	-	-	-
Women's, misses', and juniors' outerwear	35.1	31.6	33.4	33.5	34.2	-	1.1	1.0	1.1	1.3
Women's blouses, waists, and shirts	-	29.4	34.1	34.4	35.0	-	-	-	-	-
Women's, misses', and juniors' dresses	-	30.4	32.4	31.8	33.0	-	-	-	-	-
Women's suits, skirts, and coats	-	32.6	32.8	33.6	34.1	-	-	-	-	-
Women's and misses' outerwear, n.e.c.	-	35.5	36.5	37.1	37.0	-	-	-	-	-
Women's and children's undergarments	36.7	33.5	36.4	35.6	36.8	-	.9	1.4	.9	1.4
Women's and children's underwear	-	33.8	36.3	35.7	36.8	-	-	-	-	-
Corsets and allied garments	-	33.0	36.4	35.4	36.7	-	-	-	-	-
Hats, caps, and millinery	-	34.0	35.5	35.0	35.7	-	.9	1.2	1.1	1.4
Girls' and children's outerwear	37.6	33.2	35.6	35.5	36.0	-	1.0	.9	.8	1.2
Children's dresses, blouses, and shirts	-	32.3	35.2	35.1	35.8	-	-	-	-	-
Fur goods and miscellaneous apparel	-	34.3	35.8	35.7	36.0	-	.7	1.2	.8	1.1
Miscellaneous fabricated textile products	38.7	36.4	38.9	37.1	38.2	-	1.7	2.2	1.3	1.8
Housefurnishings	-	34.5	38.6	36.1	37.7	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	42.4	42.2	43.0	42.3	42.7	-	4.2	4.5	4.1	4.5
Paper and pulp	43.9	43.8	44.0	43.9	44.1	-	5.4	5.3	5.3	5.4
Paperboard	44.4	44.1	44.4	43.7	44.2	-	5.6	5.9	5.4	5.9
Converted paper and paperboard products	40.9	41.0	42.5	41.0	41.5	-	3.0	3.6	2.9	3.2
Bags, except textile bags	-	40.8	42.7	40.3	41.2	-	-	-	-	-
Paperboard containers and boxes	41.0	40.6	41.8	40.7	41.5	-	3.2	3.7	3.2	3.7
Folding and setup paperboard boxes	-	39.2	41.8	39.7	40.8	-	-	-	-	-
Corrugated and solid fiber boxes	-	41.8	42.3	41.4	42.6	-	-	-	-	-

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Average weekly earnings					Average hourly earnings				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>										
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	\$111.25	\$110.96	\$113.98	\$107.16	\$110.30	\$2.92	\$2.92	\$2.93	\$2.82	\$2.88
Newspaper publishing and printing	112.05	111.65	118.24	107.16	112.53	3.13	3.11	3.17	3.01	3.10
Periodical publishing and printing	-	114.95	116.91	106.65	115.42	-	2.94	2.93	2.77	2.90
Books	-	104.12	105.01	100.84	104.49	-	2.59	2.58	2.54	2.58
Commercial printing	113.39	113.00	114.65	109.52	112.61	2.93	2.92	2.91	2.83	2.88
Commercial printing, except lithographic	-	111.17	112.50	107.31	110.09	-	2.88	2.87	2.78	2.83
Commercial printing, lithographic	-	118.86	121.50	114.07	118.70	-	3.04	3.03	2.91	2.99
Bookbinding and related industries	88.78	87.93	90.02	86.71	88.01	2.30	2.32	2.32	2.27	2.28
Other publishing and printing industries	114.82	115.80	117.41	113.68	113.96	2.99	3.00	2.98	2.93	2.96
CHEMICALS AND ALLIED PRODUCTS	113.99	114.12	115.09	111.10	112.88	2.76	2.77	2.76	2.69	2.72
Industrial chemicals	129.38	129.17	130.42	126.05	128.44	3.11	3.12	3.12	3.03	3.08
Plastics and synthetics, except glass	113.84	113.15	114.66	109.59	112.32	2.73	2.72	2.73	2.66	2.70
Plastics and synthetics, except fibers	-	120.83	123.83	117.18	120.69	-	2.87	2.90	2.81	2.86
Synthetic fibers	-	103.91	104.00	99.47	102.42	-	2.51	2.50	2.44	2.48
Drugs	101.75	101.91	101.75	100.85	100.53	2.55	2.51	2.50	2.43	2.47
Pharmaceutical preparations	-	96.62	97.36	96.05	95.76	-	2.44	2.44	2.36	2.40
Soap, cleaners, and toilet goods	105.59	105.87	107.83	103.97	106.08	2.62	2.66	2.63	2.58	2.60
Soap and detergents	-	127.92	128.85	124.94	127.71	-	3.12	3.09	3.04	3.07
Toilet preparations	-	83.69	89.06	84.28	86.40	-	2.22	2.21	2.15	2.16
Paints, varnishes, and allied products	107.01	105.04	106.45	101.71	105.22	2.61	2.60	2.59	2.53	2.56
Agricultural chemicals	93.30	93.70	94.79	89.68	93.53	2.18	2.21	2.22	2.12	2.15
Fertilizers, complete and mixing only	-	90.31	91.38	85.85	90.23	-	2.12	2.13	2.02	2.06
Other chemical products	110.51	110.92	111.83	105.83	108.00	2.65	2.66	2.65	2.55	2.59
PETROLEUM REFINING AND RELATED INDUSTRIES	131.84	130.88	132.89	130.62	131.77	3.20	3.20	3.21	3.14	3.16
Petroleum refining	138.10	137.35	139.86	137.52	137.45	3.36	3.35	3.37	3.29	3.32
Other petroleum and coal products	104.67	102.31	103.63	102.25	108.28	2.51	2.52	2.54	2.50	2.53
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	99.54	101.25	105.08	100.37	100.78	2.47	2.50	2.52	2.46	2.47
Tires and inner tubes	(2)	129.82	141.19	129.52	131.30	(2)	3.27	3.33	3.23	3.25
Other rubber products	98.25	98.42	100.36	96.29	97.27	2.42	2.43	2.43	2.36	2.39
Miscellaneous plastic products	88.15	87.53	90.09	86.72	87.56	2.15	2.14	2.15	2.11	2.12
LEATHER AND LEATHER PRODUCTS	68.92	67.13	69.63	65.60	66.00	1.79	1.79	1.79	1.74	1.76
Leather tanning and finishing	90.52	90.12	94.58	88.84	91.13	2.28	2.27	2.29	2.21	2.25
Foot wear, except rubber	66.64	65.60	67.12	63.54	63.44	1.74	1.74	1.73	1.69	1.71
Other leather products	66.82	63.00	66.64	62.70	64.30	1.74	1.75	1.74	1.69	1.71
TRANSPORTATION AND PUBLIC UTILITIES:										
RAILROAD TRANSPORTATION:										
Class I railroads	-	(2)	(2)	(2)	**118.40	-	(2)	(2)	(2)	**2.76
LOCAL AND INTERURBAN PASSENGER TRANSIT:										
Local and suburban transportation	-	103.07	102.24	98.83	101.70	-	2.46	2.44	2.37	2.41
Intercity and rural bus lines	-	132.75	120.51	123.52	125.86	-	2.95	2.89	2.82	2.88
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	116.81	120.67	111.93	117.31	-	2.87	2.88	2.75	2.82
PIPELINE TRANSPORTATION	-	140.35	141.51	138.58	138.38	-	3.39	3.46	3.38	3.40
COMMUNICATION:										
Telephone communication	-	102.44	103.36	99.94	102.40	-	2.60	2.61	2.53	2.56
Switchboard operating employees ³	-	76.74	76.74	74.98	77.75	-	2.12	2.12	2.06	2.09
Line construction employees ⁴	-	145.64	148.19	138.99	144.74	-	3.31	3.33	3.21	3.26
Telegraph communication ⁵	-	111.24	112.59	108.05	110.92	-	2.70	2.70	2.61	2.66
Radio and television broadcasting	-	136.37	137.86	134.30	133.96	-	3.47	3.49	3.40	3.40
ELECTRIC, GAS, AND SANITARY SERVICES	-	123.90	124.92	119.19	121.13	-	3.00	3.01	2.90	2.94
Electric companies and systems	-	124.84	125.55	120.42	122.36	-	3.03	3.04	2.93	2.97
Gas companies and systems	-	116.62	117.16	111.38	113.57	-	2.81	2.83	2.71	2.77
Combined utility systems	-	133.90	136.18	128.64	131.65	-	3.25	3.25	3.13	3.18
Water, steam, and sanitary systems	-	99.05	100.02	97.23	98.29	-	2.41	2.41	2.36	2.38

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

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

Industry	Average weekly hours					Average overtime hours				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>										
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	38.1	38.0	38.9	38.0	38.3	-	2.5	3.2	2.4	2.7
Newspaper publishing and printing	35.8	35.9	37.3	35.6	36.3	-	1.8	3.2	1.7	2.3
Periodical publishing and printing	-	39.1	39.9	38.5	39.8	-	3.3	3.3	2.2	3.3
Books	-	40.2	40.7	39.7	40.5	-	3.2	3.6	2.6	3.5
Commercial printing	38.7	38.7	39.4	38.7	39.1	-	2.9	3.3	2.7	3.0
Commercial printing, except lithographic	-	38.6	39.2	38.6	38.9	-	-	-	-	-
Commercial printing, lithographic	-	39.1	40.1	39.2	39.7	-	-	-	-	-
Bookbinding and related industries	38.6	37.9	38.8	38.2	38.6	-	2.2	2.5	2.2	2.2
Other publishing and printing industries	38.4	38.6	39.4	38.8	38.5	-	2.3	3.0	2.4	2.5
CHEMICALS AND ALLIED PRODUCTS	41.3	41.2	41.7	41.3	41.5	-	2.4	2.4	2.2	2.5
Industrial chemicals	41.6	41.4	41.8	41.6	41.7	-	2.5	2.4	2.2	2.4
Plastics and synthetics, except glass	41.7	41.6	42.0	41.2	41.6	-	2.1	2.2	1.9	2.3
Plastics and synthetics, except fibers	-	42.1	42.7	41.7	42.2	-	-	-	-	-
Synthetic fibers	-	41.4	41.6	40.7	41.3	-	-	-	-	-
Drugs	39.9	40.6	40.7	41.5	40.7	-	2.2	1.9	2.4	2.2
Pharmaceutical preparations	-	39.6	39.9	40.7	39.9	-	-	-	-	-
Soap, cleaners, and toilet goods	40.3	39.8	41.0	40.3	40.8	-	2.1	2.6	2.3	2.5
Soap and detergents	-	41.0	41.7	41.1	41.6	-	-	-	-	-
Toilet preparations	-	37.7	40.3	39.2	40.0	-	-	-	-	-
Paints, varnishes, and allied products	41.0	40.4	41.1	40.2	41.1	-	1.8	1.9	1.5	2.3
Agricultural chemicals	42.8	42.4	42.7	42.3	43.5	-	3.9	3.7	3.3	4.7
Fertilizers, complete and mixing only	-	42.6	42.9	42.5	43.8	-	-	-	-	-
Other chemical products	41.7	41.7	42.2	41.5	41.7	-	2.8	2.8	2.6	2.7
PETROLEUM REFINING AND RELATED INDUSTRIES	41.2	40.9	41.4	41.6	41.7	-	1.8	2.1	2.0	2.3
Petroleum refining	41.1	41.0	41.5	41.8	41.4	-	1.6	1.8	1.7	1.8
Other petroleum and coal products	41.7	40.6	40.8	40.9	42.8	-	2.8	3.3	3.1	4.5
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	40.3	40.5	41.7	40.8	40.8	-	2.7	3.2	2.8	3.0
Tires and inner tubes	(2)	39.7	42.4	40.1	40.4	-	2.2	3.6	2.8	3.0
Other rubber products	40.6	40.5	41.3	40.8	40.7	-	2.7	2.8	2.6	2.6
Miscellaneous plastic products	41.0	40.9	41.9	41.1	41.3	-	3.1	3.4	3.0	3.3
LEATHER AND LEATHER PRODUCTS	38.5	37.5	38.9	37.7	37.5	-	1.6	1.8	1.2	1.4
Leather tanning and finishing	39.7	39.7	41.3	40.2	40.5	-	2.5	3.2	2.4	2.8
Foot wear, except rubber	38.3	37.7	38.8	37.6	37.1	-	1.6	1.6	1.1	1.2
Other leather products	38.4	36.0	38.3	37.1	37.6	-	1.3	1.9	1.2	1.6
TRANSPORTATION AND PUBLIC UTILITIES:										
RAILROAD TRANSPORTATION:										
Class I railroads	-	(2)	(2)	(2)	42.9	-	-	-	-	-
LOCAL AND INTERURBAN PASSENGER TRANSIT:										
Local and suburban transportation	-	41.9	41.9	41.7	42.2	-	-	-	-	-
Intercity and rural bus lines	-	45.0	41.7	43.8	43.7	-	-	-	-	-
MOTOR FREIGHT TRANSPORTATION AND STORAGE	-	40.7	41.9	40.7	41.6	-	-	-	-	-
PIPELINE TRANSPORTATION	-	41.4	40.9	41.0	40.7	-	-	-	-	-
COMMUNICATION:										
Telephone communication	-	39.4	39.6	39.5	40.0	-	-	-	-	-
Switchboard operating employees ³	-	36.2	36.2	36.4	37.2	-	-	-	-	-
Line construction employees ⁴	-	44.0	44.5	43.3	44.4	-	-	-	-	-
Telegraph communication ⁵	-	41.2	41.7	41.4	41.7	-	-	-	-	-
Radio and television broadcasting	-	39.3	39.5	39.5	39.4	-	-	-	-	-
ELECTRIC, GAS, AND SANITARY SERVICES	-	41.3	41.5	41.1	41.2	-	-	-	-	-
Electric companies and systems	-	41.2	41.3	41.1	41.2	-	-	-	-	-
Gas companies and systems	-	41.5	41.4	41.1	41.0	-	-	-	-	-
Combined utility systems	-	41.2	41.9	41.1	41.4	-	-	-	-	-
Water, steam, and sanitary systems	-	41.1	41.5	41.2	41.3	-	-	-	-	-

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

ESTABLISHMENT DATA HOURS AND EARNINGS

46

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

Industry	Average weekly earnings					Average hourly earnings				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
WHOLESALE AND RETAIL TRADE⁶	-	\$78.31	\$77.60	\$76.03	\$77.59	-	\$2.05	\$2.00	\$1.98	\$2.01
WHOLESALE TRADE	-	100.75	101.43	97.36	99.47	-	2.50	2.48	2.41	2.45
Motor vehicles and automotive equipment	-	95.26	96.79	92.96	95.08	-	2.29	2.31	2.24	2.28
Drugs, chemicals, and allied products	-	103.06	103.31	98.65	101.05	-	2.57	2.57	2.46	2.52
Dry goods and apparel	-	90.40	92.48	91.10	91.99	-	2.43	2.44	2.41	2.44
Groceries and related products	-	94.76	95.34	90.64	93.38	-	2.30	2.27	2.20	2.25
Electrical goods	-	106.53	109.74	102.56	103.83	-	2.65	2.67	2.52	2.57
Hardware, plumbing, and heating goods	-	96.22	97.34	94.66	95.41	-	2.37	2.38	2.32	2.35
Machinery, equipment, and supplies	-	109.89	110.15	106.34	108.65	-	2.70	2.68	2.60	2.65
RETAIL TRADE⁶	-	68.45	68.40	66.93	68.04	-	1.84	1.80	1.78	1.80
General merchandise stores	-	55.08	56.32	53.01	54.13	-	1.62	1.56	1.55	1.56
Department stores	-	59.45	59.49	57.12	58.65	-	1.78	1.69	1.70	1.72
Limited price variety stores	-	39.17	40.66	38.96	39.98	-	1.28	1.21	1.21	1.23
Food stores	-	66.39	66.62	64.91	66.15	-	1.93	1.92	1.86	1.89
Grocery, meat, and vegetable stores	-	67.62	67.82	66.69	67.74	-	1.96	1.96	1.90	1.93
Apparel and accessories stores	-	54.78	56.32	55.20	54.70	-	1.64	1.60	1.60	1.59
Men's and boys' apparel stores	-	66.55	67.84	66.77	66.77	-	1.88	1.79	1.79	1.79
Women's ready-to-wear stores	-	49.80	50.75	48.67	48.62	-	1.50	1.45	1.44	1.43
Family clothing stores	-	52.65	54.76	53.82	53.75	-	1.61	1.56	1.56	1.54
Shoe stores	-	54.75	56.24	56.28	55.58	-	1.70	1.72	1.68	1.71
Furniture and appliance stores	-	84.02	87.15	82.21	82.62	-	2.09	2.10	2.02	2.03
Other retail trade	-	78.31	78.85	76.63	78.25	-	1.91	1.90	1.86	1.89
Motor vehicle dealers	-	94.83	96.58	92.87	96.58	-	2.17	2.21	2.13	2.21
Other vehicle and accessory dealers	-	82.78	84.55	82.21	82.53	-	1.89	1.90	1.86	1.88
Drug stores	-	59.59	60.02	58.24	58.93	-	1.66	1.64	1.60	1.61
FINANCE, INSURANCE, AND REAL ESTATE:	-	76.91	76.13	74.23	74.97	-	2.04	2.03	1.99	2.01
Banking	-	(2)	127.42	117.26	121.53	-	-	-	-	-
Security dealers and exchanges	-	(2)	97.67	95.38	96.28	-	-	-	-	-
Insurance carriers	-	(2)	103.38	100.98	101.59	-	-	-	-	-
Life insurance	-	(2)	83.37	81.82	82.10	-	-	-	-	-
Accident and health insurance	-	(2)	92.89	90.51	91.95	-	-	-	-	-
Fire, marine, and casualty insurance	-	(2)				-	-	-	-	-
SERVICES AND MISCELLANEOUS:	-	47.72	47.86	46.85	47.58	-	1.23	1.24	1.22	1.22
Hotels and lodging places:	-					-				
Hotels, tourist courts, and motels ⁷	-	(2)	52.13	50.69	51.87	-	(2)	1.34	1.32	1.33
Personal services:	-					-				
Laundries, cleaning and dyeing plants	-	(2)	134.43	125.74	129.68	-	-	-	-	-
Motion pictures:	-					-				
Motion picture filming and distributing	-	(2)				-				

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

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Industry	Average weekly hours					Average overtime hours				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
WHOLESALE AND RETAIL TRADE⁶	-	38.2	38.8	38.4	38.6	-	-	-	-	-
WHOLESALE TRADE	-	40.3	40.9	40.4	40.6	-	-	-	-	-
Motor vehicles and automotive equipment	-	41.6	41.9	41.5	41.7	-	-	-	-	-
Drugs, chemicals, and allied products	-	40.1	40.2	40.1	40.1	-	-	-	-	-
Dry goods and apparel	-	37.2	37.9	37.8	37.7	-	-	-	-	-
Groceries and related products	-	41.2	42.0	41.2	41.5	-	-	-	-	-
Electrical goods	-	40.2	41.1	40.7	40.4	-	-	-	-	-
Hardware, plumbing, and heating goods	-	40.6	40.9	40.8	40.6	-	-	-	-	-
Machinery, equipment, and supplies	-	40.7	41.1	40.9	41.0	-	-	-	-	-
RETAIL TRADE⁶	-	37.2	38.0	37.6	37.8	-	-	-	-	-
General merchandise stores	-	34.0	36.1	34.2	34.7	-	-	-	-	-
Department stores	-	33.4	35.2	33.6	34.1	-	-	-	-	-
Limited price variety stores	-	30.6	33.6	32.2	32.5	-	-	-	-	-
Food stores	-	34.4	34.7	34.9	35.0	-	-	-	-	-
Grocery, meat, and vegetable stores	-	34.5	34.6	35.1	35.1	-	-	-	-	-
Apparel and accessories stores	-	33.4	35.2	34.5	34.4	-	-	-	-	-
Men's and boys' apparel stores	-	35.4	37.9	37.3	37.3	-	-	-	-	-
Women's ready-to-wear stores	-	33.2	35.0	33.8	34.0	-	-	-	-	-
Family clothing stores	-	32.7	35.1	34.5	34.9	-	-	-	-	-
Shoe stores	-	32.2	32.7	33.5	32.5	-	-	-	-	-
Furniture and appliance stores	-	40.2	41.5	40.7	40.7	-	-	-	-	-
Other retail trade	-	41.0	41.5	41.2	41.4	-	-	-	-	-
Motor vehicle dealers	-	43.7	43.7	43.6	43.7	-	-	-	-	-
Other vehicle and accessory dealers	-	43.8	44.5	44.2	43.9	-	-	-	-	-
Drug stores	-	35.9	36.6	36.4	36.6	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE:										
Banking	-	37.7	37.5	37.3	37.3	-	-	-	-	-
Security dealers and exchanges	-	-	-	-	-	-	-	-	-	-
Insurance carriers	-	-	-	-	-	-	-	-	-	-
Life insurance	-	-	-	-	-	-	-	-	-	-
Accident and health insurance	-	-	-	-	-	-	-	-	-	-
Fire, marine, and casualty insurance	-	-	-	-	-	-	-	-	-	-
SERVICES AND MISCELLANEOUS:										
Hotels and lodging places:										
Hotels, tourist courts, and motels ⁷	-	38.8	38.6	38.4	39.0	-	-	-	-	-
Personal services:		(2)	38.9	38.4	39.0	-	-	-	-	-
Laundries, cleaning and dyeing plants	-	-	-	-	-	-	-	-	-	-
Motion pictures:										
Motion picture filming and distributing	-	-	-	-	-	-	-	-	-	-

¹For 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.

²Not available.

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

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

⁵Data relate to nonsupervisory employees except messengers.

⁶Data exclude eating and drinking places.

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

* 11-month average.

** 8-month average.

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

ESTABLISHMENT DATA HOURS AND EARNINGS

48

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

Major industry group	Average hourly earnings excluding overtime ¹				
	Feb. 1964	Jan. 1964	Dec. 1963	Jan. 1963	Avg. 1963
MANUFACTURING	\$2.42	\$2.43	\$2.42	\$2.35	\$2.37
DURABLE GOODS	2.60	2.60	2.58	2.52	2.54
Ordnance and accessories	-	2.90	2.88	2.80	2.82
Lumber and wood products, except furniture	-	1.99	2.00	1.90	1.96
Furniture and fixtures	-	1.95	1.94	1.91	1.92
Stone, clay, and glass products	-	2.41	2.40	2.36	2.37
Primary metal industries	-	2.96	2.96	2.91	2.95
Fabricated metal products	-	2.56	2.55	2.49	2.52
Machinery	-	2.73	2.72	2.65	2.68
Electrical equipment and supplies	-	2.44	2.44	2.38	2.40
Transportation equipment	-	2.95	2.95	2.86	2.89
Instruments and related products	-	2.44	2.44	2.39	2.42
Miscellaneous manufacturing industries	-	2.03	2.01	1.98	1.97
NONDURABLE GOODS	2.19	2.20	2.19	2.13	2.15
Food and kindred products	-	2.28	2.26	2.21	2.22
Tobacco manufactures	-	1.95	1.87	1.88	1.88
Textile mill products	-	1.69	1.69	1.64	1.65
Apparel and related products	-	1.75	1.74	1.67	1.69
Paper and allied products	-	2.40	2.39	2.33	2.35
Printing, publishing, and allied industries	-	(2)	(2)	(2)	(2)
Chemicals and allied products	-	2.69	2.69	2.62	2.64
Petroleum refining and related industries	-	3.13	3.13	3.07	3.07
Rubber and miscellaneous plastic products	-	2.42	2.42	2.38	2.39
Leather and leather products	-	1.75	1.75	1.71	1.73

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

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

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

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

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Worker with three dependents		
	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963
MINING:									
Current dollars	\$115.36	\$116.48	\$114.40	\$94.17	\$92.72	\$91.13	\$102.40	\$101.39	\$99.69
1957-59 dollars	107.11	108.25	107.22	87.44	86.17	85.41	95.08	94.23	93.43
CONTRACT CONSTRUCTION:									
Current dollars	122.06	124.96	127.57	99.45	99.22	101.22	108.02	108.35	110.49
1957-59 dollars	113.33	116.13	119.56	92.34	92.21	94.86	100.30	100.70	103.55
MANUFACTURING:									
Current dollars	99.90	102.41	99.38	81.98	81.95	79.63	89.65	89.86	87.37
1957-59 dollars	92.76	95.18	93.14	76.12	76.16	74.63	83.24	83.51	81.88
WHOLESALE AND RETAIL TRADE:²									
Current dollars	78.31	77.60	77.59	64.84	62.73	62.72	72.17	70.05	70.04
1957-59 dollars	72.71	72.12	72.72	60.20	58.30	58.78	67.01	65.10	65.64

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

²Data exclude eating and drinking places.

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

ESTABLISHMENT DATA HOURS AND EARNINGS

Table C-5: Indexes of aggregate weekly man-hours and payrolls in industrial and construction activities¹

1957-59=100

Industry	Feb. 1964	Jan. 1964	Dec. 1963	Feb. 1963	Avg. 1963
	Man-hours				
TOTAL	97.8	95.4	101.2	94.1	101.3
MINING	77.6	78.7	81.5	78.2	82.1
CONTRACT CONSTRUCTION	87.2	80.1	95.0	76.5	104.8
MANUFACTURING	100.8	99.1	103.3	98.1	101.6
DURABLE GOODS	102.4	101.2	105.0	98.9	102.4
Ordnance and accessories	143.8	145.9	150.5	151.8	149.2
Lumber and wood products, except furniture ..	88.0	85.9	93.0	87.1	93.7
Furniture and fixtures	107.2	102.6	111.1	102.4	106.6
Stone, clay, and glass products	96.7	94.6	100.8	91.2	103.4
Primary metal industries	100.1	98.7	98.4	94.0	97.9
Fabricated metal products	103.8	103.2	107.2	98.5	103.6
Machinery	107.4	106.6	107.8	102.7	103.8
Electrical equipment and supplies	113.4	113.0	116.7	114.5	114.7
Transportation equipment	95.6	96.2	100.2	92.0	93.7
Instruments and related products	105.5	103.7	107.8	103.8	105.9
Miscellaneous manufacturing industries	98.9	92.8	101.8	95.0	102.3
NONDURABLE GOODS	98.7	96.3	101.1	97.0	100.6
Food and kindred products	84.0	86.3	91.7	85.1	93.5
Tobacco manufactures	78.4	87.3	100.1	82.0	90.9
Textile mill products	96.2	93.1	96.9	93.4	95.6
Apparel and related products	112.5	100.8	108.1	108.2	109.1
Paper and allied products	104.7	104.3	107.8	103.3	106.4
Printing, publishing, and allied industries	104.3	103.7	107.6	100.8	104.0
Chemicals and allied products	105.0	103.1	104.7	102.3	104.9
Petroleum refining and related industries	78.0	77.3	79.1	78.4	82.2
Rubber and miscellaneous plastic products	111.4	111.6	115.7	111.8	113.1
Leather and leather products	96.7	93.1	98.1	95.6	94.8
	Payrolls				
MINING	-	88.4	91.4	86.2	90.6
CONTRACT CONSTRUCTION		101.8	119.2	92.4	127.0
MANUFACTURING	119.4	117.7	122.4	112.6	118.0

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

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

50

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

Industry	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
MINING	41.7	41.6	41.5	41.4	41.8	41.8	41.5	40.9	42.2	41.9	41.6	41.0	41.5
CONTRACT CONSTRUCTION	37.7	35.5	36.6	36.9	37.6	37.3	37.2	37.3	37.6	37.5	37.5	37.3	36.1
MANUFACTURING	40.6	40.1	40.5	40.5	40.6	40.7	40.3	40.4	40.5	40.5	40.1	40.5	40.3
DURABLE	41.3	40.8	41.5	41.1	41.2	41.3	41.0	41.2	41.3	41.1	40.7	41.0	41.0
Ordnance and accessories	40.3	40.2	41.0	40.6	41.2	41.4	41.3	41.0	41.4	40.9	40.4	40.7	41.4
Lumber and wood products, except furniture ...	40.3	39.1	40.7	40.1	40.3	40.2	40.0	40.4	40.1	39.5	39.9	39.9	40.1
Furniture and fixtures	41.5	40.1	41.0	41.0	40.7	40.7	40.9	41.2	40.9	40.9	40.5	40.7	40.9
Stone, clay, and glass products	41.6	40.7	41.0	41.3	41.6	41.3	41.2	41.4	41.5	41.6	41.3	41.4	40.9
Primary metal industries	41.2	41.0	41.1	40.9	40.6	40.7	40.9	41.1	41.7	41.6	41.3	40.5	40.6
Fabricated metal products	41.7	41.3	41.8	41.5	41.6	41.4	41.1	41.2	41.2	41.4	40.9	41.2	41.3
Machinery	42.3	41.8	42.4	42.1	41.9	42.1	41.7	41.7	41.7	41.5	41.2	41.6	41.7
Electrical equipment and supplies	40.4	39.9	40.3	40.2	40.3	40.3	40.3	40.6	40.4	40.4	40.1	40.3	40.4
Transportation equipment	41.8	42.1	42.3	42.3	42.3	42.0	41.5	42.1	42.2	41.9	41.4	41.8	41.9
Instruments and related products	41.0	40.0	40.7	40.7	41.0	41.1	40.7	40.8	40.7	40.8	40.5	41.0	41.1
Miscellaneous manufacturing industries	40.1	38.8	39.5	39.4	39.7	39.8	39.8	39.7	39.5	39.6	39.2	39.6	39.8
NONDURABLE GOODS	39.9	39.1	39.6	39.5	39.8	39.7	39.6	39.5	39.6	39.7	39.3	39.8	39.7
Food and kindred products	40.9	40.6	41.0	40.9	41.0	40.9	41.0	40.8	41.0	40.8	40.7	41.1	40.9
Tobacco manufactures	35.7	38.0	38.2	39.2	38.1	37.2	39.9	39.4	39.7	39.0	35.6	39.2	37.6
Textile mill products	41.2	40.4	41.1	40.8	41.0	40.7	40.5	40.4	40.5	40.6	40.2	40.7	40.3
Apparel and related products	36.7	34.6	36.0	35.7	36.4	36.6	35.9	36.0	36.0	36.4	35.9	36.5	36.3
Paper and allied products	42.9	42.6	43.0	42.8	43.0	42.8	42.7	42.7	42.7	42.6	42.2	42.8	42.7
Printing, publishing, and allied industries	38.4	38.2	38.4	38.1	38.4	38.4	38.4	38.3	38.3	38.4	38.3	38.4	38.4
Chemicals and allied products	41.5	41.3	41.7	41.4	41.5	41.5	41.5	41.6	41.4	41.6	41.8	41.6	41.4
Petroleum refining and related industries	42.0	41.0	41.9	41.5	41.6	41.5	41.6	41.7	41.9	41.9	42.3	41.3	41.3
Rubber and miscellaneous plastic products	40.8	40.7	41.5	40.9	41.0	41.2	40.8	40.2	40.1	40.4	40.7	41.1	41.1
Leather and leather products	38.2	36.6	38.2	37.4	38.9	38.3	37.8	37.0	37.3	37.3	36.8	36.9	37.1
WHOLESALE AND RETAIL TRADE²	-	38.4	38.6	38.6	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.6	38.7
WHOLESALE TRADE	-	40.4	40.7	40.5	40.6	40.5	40.6	40.5	40.6	40.6	40.5	40.6	40.6
RETAIL TRADE²	-	37.4	37.8	37.7	37.8	37.7	37.8	37.9	37.9	37.8	37.9	37.8	37.8

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

²Data exclude eating and drinking places.

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

1957-59=100

Industry	Feb. 1964	Jan. 1964	Dec. 1963	Nov. 1963	Oct. 1963	Sept. 1963	Aug. 1963	July 1963	June 1963	May 1963	Apr. 1963	Mar. 1963	Feb. 1963
TOTAL	103.5	100.0	102.2	101.2	102.3	101.9	101.2	101.8	101.9	101.8	100.8	100.1	99.3
MINING	81.1	81.4	81.6	81.0	81.6	82.1	81.7	82.3	83.9	83.5	83.1	80.6	81.7
CONTRACT CONSTRUCTION	111.6	98.6	105.4	104.5	106.7	106.2	105.9	105.7	105.9	104.7	104.0	100.7	98.1
MANUFACTURING	103.1	101.2	102.7	101.7	102.5	102.1	101.3	102.1	102.1	102.1	101.1	101.0	100.4
DURABLE GOODS	104.3	102.7	104.0	102.9	103.4	103.0	101.9	103.3	103.1	102.8	101.8	101.0	100.7
Ordnance and accessories	113.8	114.7	114.6	114.9	150.8	150.3	149.9	148.8	151.6	148.5	145.4	147.7	151.6
Lumber and wood products, except furniture ...	95.8	93.1	97.3	95.2	94.6	94.2	92.3	90.7	89.1	93.4	94.0	95.8	95.0
Furniture and fixtures	110.5	105.8	107.9	107.2	106.4	106.7	107.3	108.0	106.9	106.3	104.9	105.4	105.6
Stone, clay, and glass products	105.1	102.0	103.6	104.6	104.5	103.5	104.5	105.4	104.6	104.7	103.3	101.6	99.2
Primary metal industries	99.8	98.5	98.2	96.6	95.8	96.8	98.8	102.5	103.2	101.5	99.6	94.6	93.7
Fabricated metal products	106.5	104.6	106.2	104.7	105.5	105.0	103.7	104.0	103.6	103.5	102.1	101.3	101.1
Machinery	106.8	107.0	108.1	106.7	106.2	105.4	104.1	102.8	102.5	101.8	101.2	101.9	102.1
Electrical equipment and supplies	114.2	112.5	113.5	112.6	113.9	113.7	113.9	115.9	116.2	116.0	115.1	115.0	115.1
Transportation equipment	95.4	95.0	95.6	94.5	96.8	95.5	89.7	94.3	94.8	93.3	93.1	92.0	91.8
Instruments and related products	106.9	103.5	106.2	106.2	106.5	106.8	107.0	107.8	107.0	106.0	104.7	105.1	104.9
Miscellaneous manufacturing industries	105.1	101.1	102.9	103.0	102.8	104.0	104.3	102.8	100.7	101.9	100.2	101.2	101.1
NONDURABLE GOODS	101.6	99.2	101.0	100.1	101.4	100.8	100.5	100.6	100.7	101.3	100.1	101.0	100.0
Food and kindred products	93.1	92.9	93.8	93.0	94.1	92.6	93.3	92.7	93.4	93.6	92.8	95.4	94.2
Tobacco manufactures	84.9	88.0	93.2	98.0	89.5	82.8	96.1	90.1	90.8	91.6	84.7	92.0	88.3
Textile mill products	97.8	95.2	96.5	95.9	96.3	95.3	94.9	95.2	95.3	95.7	95.0	96.2	95.1
Apparel and related products	111.5	104.4	108.4	107.1	111.1	111.2	108.6	110.4	109.5	111.8	108.6	109.2	107.6
Paper and allied products	107.3	106.1	107.5	106.6	107.1	106.6	106.8	106.8	106.6	106.1	104.7	106.6	105.9
Printing, publishing, and allied industries	105.9	105.0	105.4	103.3	104.3	104.6	104.8	104.5	104.5	105.0	104.0	102.5	102.2
Chemicals and allied products	106.3	104.4	105.5	104.5	105.3	105.1	105.3	105.6	105.1	105.2	105.5	104.4	103.9
Petroleum refining and related industries	81.2	78.5	81.7	81.6	82.4	82.2	82.4	82.6	82.3	83.0	83.8	81.2	81.2
Rubber and miscellaneous plastic products	113.4	111.7	113.1	111.9	111.1	112.0	111.2	111.4	113.2	115.1	115.6	114.9	113.9
Leather and leather products	95.3	90.7	95.6	94.0	98.7	97.2	95.3	94.2	94.3	94.6	92.4	93.6	94.1

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

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

ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

52

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		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
ALABAMA.....	\$85.39	\$89.21	\$82.16	39.9	41.3	39.5	\$2.14	\$2.16	\$2.08
Birmingham.....	110.40	113.30	109.08	40.0	41.5	40.4	2.76	2.73	2.70
Mobile.....	(1)	106.30	99.90	(1)	41.2	39.8	(1)	2.58	2.51
ARIZONA.....	111.79	111.52	105.86	40.8	41.0	40.1	2.74	2.72	2.64
Phoenix.....	111.93	111.79	107.32	40.7	40.8	40.5	2.75	2.74	2.65
Tucson.....	116.24	119.23	113.83	40.5	41.4	39.8	2.87	2.88	2.86
ARKANSAS.....	71.51	71.51	66.63	40.4	40.4	39.9	1.77	1.77	1.67
Fort Smith.....	71.82	71.28	66.47	39.9	39.6	38.2	1.80	1.80	1.74
Little Rock-North Little Rock.....	69.20	70.76	66.76	40.0	40.9	39.5	1.73	1.73	1.69
Pine Bluff.....	86.32	87.35	79.58	41.7	41.4	40.6	2.07	2.11	1.96
CALIFORNIA.....	116.91	119.07	113.43	39.9	40.5	39.8	2.93	2.94	2.85
Bakersfield.....	119.90	121.29	117.97	40.1	40.7	40.4	2.99	2.98	2.92
Fresno.....	92.48	94.50	90.00	36.7	37.5	36.0	2.52	2.52	2.50
Los Angeles-Long Beach.....	116.35	119.19	112.56	40.4	41.1	40.2	2.88	2.90	2.80
Sacramento.....	137.97	137.42	136.50	40.7	40.9	42.0	3.39	3.36	3.25
San Bernardino-Riverside-Ontario.....	118.26	119.14	114.45	40.5	40.8	40.3	2.92	2.92	2.84
San Diego.....	125.42	125.02	121.30	40.2	40.2	40.3	3.12	3.11	3.01
San Francisco-Oakland.....	123.87	123.24	119.73	39.2	39.0	39.0	3.16	3.16	3.07
San Jose.....	123.12	125.05	116.82	40.5	41.0	39.6	3.04	3.05	2.95
Stockton.....	114.84	113.43	110.94	39.6	39.8	39.2	2.90	2.85	2.83
COLORADO.....	111.51	109.76	104.14	41.3	40.5	39.9	2.70	2.71	2.61
Denver.....	110.97	111.78	104.15	40.5	40.5	39.6	2.74	2.76	2.63
CONNECTICUT.....	105.56	107.07	103.75	40.6	41.5	41.5	2.60	2.58	2.50
Bridgeport.....	108.40	111.19	105.83	40.6	41.8	41.5	2.67	2.65	2.55
Hartford.....	109.06	111.87	110.30	41.0	41.9	42.1	2.66	2.67	2.62
New Britain.....	106.86	105.63	98.95	41.1	41.1	39.9	2.60	2.57	2.48
New Haven.....	101.39	106.40	99.96	39.3	41.4	40.8	2.58	2.57	2.45
Stamford.....	111.69	118.37	109.08	41.1	43.2	40.7	2.71	2.74	2.68
Waterbury.....	103.53	104.90	101.43	40.6	41.3	40.9	2.55	2.54	2.48
DELAWARE.....	108.12	111.94	103.98	40.8	42.4	41.1	2.65	2.64	2.53
Wilmington.....	119.89	123.94	116.33	41.2	42.3	41.4	2.91	2.93	2.81
DISTRICT OF COLUMBIA:									
Washington.....	104.71	109.98	105.72	37.0	39.0	39.3	2.83	2.82	2.69
FLORIDA.....	(1)	87.15	82.80	(1)	41.7	41.4	(1)	2.09	2.00
Jacksonville.....	(1)	92.70	82.76	(1)	41.2	39.6	(1)	2.25	2.09
Miami.....	(1)	82.61	78.99	(1)	41.1	39.3	(1)	2.01	2.01
Tampa-St. Petersburg.....	(1)	91.81	88.80	(1)	42.9	42.9	(1)	2.14	2.07
GEORGIA.....	75.79	77.71	70.74	40.1	40.9	39.3	1.89	1.90	1.80
Atlanta.....	95.04	97.10	87.74	40.1	40.8	39.7	2.37	2.38	2.21
Savannah.....	91.48	94.06	95.58	39.6	40.2	41.2	2.31	2.34	2.32
IDaho.....	96.64	94.49	92.59	40.1	39.7	39.4	2.41	2.38	2.35
ILLINOIS.....	111.31	111.39	106.56	40.6	41.0	40.3	2.74	2.72	2.64
Chicago.....	(1)	112.96	108.01	(1)	41.0	40.4	(1)	2.75	2.67
INDIANA.....	114.48	116.12	109.57	40.9	41.6	40.5	2.80	2.79	2.71
Indianapolis.....	(1)	118.35	111.84	(1)	42.3	41.3	(1)	2.80	2.71
IOWA.....	108.25	109.29	103.37	40.3	40.8	40.0	2.68	2.68	2.58
Des Moines.....	113.08	115.49	110.08	38.9	39.3	38.7	2.91	2.94	2.85
KANSAS.....	108.56	112.52	106.59	41.7	42.3	41.9	2.60	2.66	2.54
Topeka.....	106.74	112.78	111.39	40.2	41.4	41.8	2.66	2.73	2.67
Wichita.....	116.01	119.53	112.76	41.9	42.0	42.4	2.77	2.85	2.66

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA

STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
KENTUCKY.....	\$94.24	\$97.41	\$90.57	40.1	41.1	39.9	\$2.35	\$2.37	\$2.27
Louisville.....	110.93	115.82	108.50	40.9	42.1	41.0	2.71	2.75	2.65
LOUISIANA.....	101.92	102.91	96.29	41.6	42.7	40.8	2.45	2.41	2.36
Baton Rouge.....	128.24	128.13	125.97	41.5	41.6	41.3	3.09	3.08	3.05
New Orleans.....	105.32	103.12	97.17	41.3	40.6	39.5	2.55	2.54	2.46
Shreveport.....	97.81	98.44	89.32	42.9	42.8	40.6	2.28	2.30	2.20
MAINE.....	81.16	81.39	79.10	41.2	40.9	41.2	1.97	1.99	1.92
Lewiston-Auburn.....	67.73	68.68	67.16	38.7	38.8	38.6	1.75	1.77	1.74
Portland.....	90.09	88.43	87.05	40.4	39.3	40.3	2.23	2.25	2.16
MARYLAND.....	99.65	102.16	97.20	39.7	40.7	40.0	2.51	2.51	2.43
Baltimore.....	105.06	107.30	102.00	40.1	40.8	40.0	2.62	2.63	2.55
MASSACHUSETTS.....	90.56	93.67	90.12	38.7	40.2	39.7	2.34	2.33	2.27
Boston.....	98.18	100.95	97.07	38.5	39.9	39.3	2.55	2.53	2.47
Fall River.....	57.35	64.97	64.62	31.0	35.5	35.9	1.85	1.83	1.80
New Bedford.....	66.59	73.34	72.17	34.5	38.0	38.8	1.93	1.93	1.86
Springfield-Chicopee-Holyoke.....	96.48	99.36	94.07	40.2	41.4	40.2	2.40	2.40	2.34
Worcester.....	97.17	99.63	92.82	39.5	40.5	39.0	2.46	2.46	2.38
MICHIGAN.....	133.04	138.84	124.95	43.0	44.6	42.2	3.09	3.11	2.96
Detroit.....	142.68	146.75	132.91	43.9	45.0	42.6	3.25	3.26	3.12
Flint.....	128.10	164.36	142.96	37.4	47.0	44.0	3.43	3.50	3.25
Grand Rapids.....	115.37	112.92	107.83	41.0	40.2	40.1	2.81	2.81	2.69
Lansing.....	141.36	141.59	125.78	43.9	44.0	41.2	3.22	3.22	3.05
Muskegon-Muskegon Heights.....	119.69	119.84	116.52	41.4	41.4	40.6	2.89	2.90	2.87
Saginaw.....	144.75	147.45	131.96	46.5	47.2	44.0	3.11	3.12	3.00
MINNESOTA ²	106.94	107.38	103.58	40.8	41.1	40.4	2.62	2.61	2.56
Duluth-Superior ²	103.14	102.45	99.58	39.1	38.8	37.8	2.64	2.64	2.63
Minneapolis-St. Paul ²	111.94	112.23	106.93	40.7	40.9	40.3	2.75	2.74	2.66
MISSISSIPPI.....	69.37	70.47	65.67	40.1	40.5	39.8	1.73	1.74	1.65
Jackson.....	76.43	77.76	72.22	42.7	43.2	40.8	1.79	1.80	1.77
MISSOURI.....	100.03	101.24	96.84	39.9	40.5	39.6	2.51	2.50	2.44
Kansas City.....	106.95	112.87	106.62	39.7	41.2	40.4	2.70	2.74	2.64
St. Louis.....	112.11	113.93	109.54	40.2	40.8	40.2	2.79	2.79	2.72
MONTANA.....	105.34	104.68	107.33	39.6	39.5	39.9	2.66	2.65	2.69
NEBRASKA.....	99.24	100.61	94.42	42.4	42.6	41.4	2.34	2.36	2.28
Omaha.....	110.33	112.98	103.81	42.8	43.5	41.8	2.58	2.60	2.48
NEVADA.....	125.36	125.15	123.86	40.7	40.5	39.7	3.08	3.09	3.12
NEW HAMPSHIRE.....	79.59	80.57	76.76	40.4	40.9	40.4	1.97	1.97	1.90
Manchester.....	73.52	74.26	70.46	38.9	39.5	38.5	1.89	1.88	1.83
NEW JERSEY.....	(1)	107.71	102.91	(1)	40.8	40.2	(1)	2.64	2.56
Jersey City ³	104.01	105.93	100.30	39.7	40.9	39.8	2.62	2.59	2.52
Newark ³	105.47	108.50	102.72	39.8	41.1	40.6	2.65	2.64	2.53
Paterson-Clifton-Passaic ³	104.80	108.92	102.77	39.4	41.1	40.3	2.66	2.65	2.55
Perth Amboy ³	105.92	108.23	105.46	39.5	39.5	40.1	2.73	2.74	2.63
Trenton.....	107.87	110.68	106.40	40.4	41.3	41.4	2.67	2.68	2.57
NEW MEXICO.....	92.16	96.23	90.05	40.6	41.3	40.2	2.27	2.33	2.24
Albuquerque.....	95.51	100.67	97.34	40.3	41.6	40.9	2.37	2.42	2.38

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS

54

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		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
NEW YORK.....	(1)	\$101.12	\$96.97	(1)	39.5	39.1	(1)	\$2.56	\$2.48
Albany-Schenectady-Troy.....	(1)	113.83	106.80	(1)	40.8	40.0	(1)	2.79	2.67
Binghamton.....	(1)	100.91	92.57	(1)	41.7	39.9	(1)	2.42	2.32
Buffalo.....	(1)	122.01	117.62	(1)	41.5	40.7	(1)	2.94	2.89
Elmira.....	(1)	102.21	95.11	(1)	40.4	39.3	(1)	2.53	2.42
Nassau and Suffolk Counties ³	(1)	108.94	111.04	(1)	40.2	41.9	(1)	2.71	2.65
New York City ³	(1)	93.38	90.00	(1)	37.5	37.5	(1)	2.49	2.40
New York-Northeastern New Jersey.....	(1)	100.23	96.47	(1)	39.0	38.9	(1)	2.57	2.48
Rochester.....	(1)	118.16	110.02	(1)	41.9	40.9	(1)	2.82	2.69
Syracuse.....	(1)	110.83	106.23	(1)	41.2	40.7	(1)	2.69	2.61
Utica-Rome.....	(1)	98.90	93.62	(1)	40.7	39.5	(1)	2.43	2.37
Westchester County ³	(1)	104.23	99.40	(1)	40.4	39.6	(1)	2.58	2.51
NORTH CAROLINA.....	\$69.43	71.62	66.40	39.9	41.4	40.0	\$1.74	1.73	1.66
Charlotte.....	75.07	78.49	73.03	40.8	42.2	40.8	1.84	1.86	1.79
Greensboro-High Point.....	69.99	72.27	64.90	39.1	40.6	38.4	1.79	1.78	1.69
NORTH DAKOTA.....	109.64	107.75	87.48	42.7	41.9	40.1	2.57	2.57	2.18
Fargo-Moorhead.....	97.91	98.64	93.51	40.1	40.5	39.1	2.44	2.44	2.40
OHIO.....	117.02	119.03	113.26	40.7	41.4	40.6	2.88	2.88	2.79
Akron.....	127.35	130.07	121.58	40.1	40.8	39.6	3.18	3.19	3.07
Canton.....	115.48	117.94	113.85	39.7	40.5	40.1	2.91	2.91	2.84
Cincinnati.....	111.01	114.56	108.34	41.0	42.1	41.5	2.71	2.72	2.61
Cleveland.....	122.06	123.16	116.84	41.4	41.9	41.0	2.95	2.94	2.85
Columbus.....	111.62	112.92	107.40	40.6	41.0	40.6	2.75	2.75	2.65
Dayton.....	126.48	130.73	119.53	41.3	42.6	40.6	3.06	3.07	2.94
Toledo.....	118.84	120.46	114.89	40.3	40.9	40.0	2.95	2.95	2.87
Youngstown-Warren.....	126.26	124.83	121.08	39.9	39.6	39.1	3.16	3.15	3.10
OKLAHOMA.....	95.87	95.68	93.34	41.5	41.6	41.3	2.31	2.30	2.26
Oklahoma City.....	94.17	92.00	87.13	43.0	42.2	41.1	2.19	2.18	2.12
Tulsa.....	102.50	101.68	99.77	41.0	41.0	41.4	2.50	2.48	2.41
OREGON.....	108.08	111.16	103.74	38.6	39.7	39.0	2.80	2.80	2.66
Portland.....	109.52	112.68	105.38	38.7	39.4	38.6	2.83	2.86	2.73
PENNSYLVANIA.....	96.52	99.79	95.16	38.0	39.6	39.0	2.54	2.52	2.44
Allentown-Bethlehem-Easton.....	89.21	92.38	90.10	35.4	37.4	37.7	2.52	2.47	2.39
Altoona.....	77.11	81.81	80.50	35.7	37.7	38.7	2.16	2.17	2.08
Erie.....	108.99	111.25	105.37	41.6	42.3	41.0	2.62	2.63	2.57
Harrisburg.....	82.24	85.54	83.79	37.9	39.6	39.9	2.17	2.16	2.10
Johnstown.....	100.17	100.34	94.22	37.1	37.3	36.1	2.70	2.69	2.61
Lancaster.....	85.58	90.13	87.85	37.7	40.6	40.3	2.27	2.22	2.18
Philadelphia.....	100.47	104.80	102.00	38.2	40.0	40.0	2.63	2.62	2.55
Pittsburgh.....	120.17	120.29	115.74	39.4	39.7	39.1	3.05	3.03	2.96
Reading.....	88.86	93.48	84.32	38.3	41.0	39.4	2.32	2.28	2.14
Scranton.....	68.60	73.13	72.58	34.3	37.5	37.8	2.00	1.95	1.92
Wilkes-Barre-Hazleton.....	65.54	71.71	67.64	33.1	36.4	35.6	1.98	1.97	1.90
York.....	79.17	85.70	82.41	37.7	41.2	40.2	2.10	2.08	2.05
RHODE ISLAND ²	82.97	83.62	82.21	39.7	40.2	40.3	2.09	2.08	2.04
Providence.....	83.81	84.05	80.60	40.1	40.8	40.1	2.09	2.06	2.01
SOUTH CAROLINA.....	72.75	74.16	69.29	41.1	41.9	41.0	1.77	1.77	1.69
Charleston ²	81.97	83.22	76.83	39.6	40.4	39.2	2.07	2.06	1.96
Greenville ⁴	69.60	71.90	64.80	40.7	42.8	40.5	1.71	1.68	1.60
SOUTH DAKOTA.....	106.06	107.74	95.27	45.9	46.3	43.2	2.31	2.33	2.21
Sioux Falls.....	118.43	126.90	107.33	47.3	50.4	44.6	2.50	2.52	2.41
TENNESSEE.....	(1)	82.98	78.58	(1)	41.7	40.3	(1)	1.99	1.95
Chattanooga.....	87.26	87.91	82.18	40.4	40.7	39.7	2.16	2.16	2.07
Knoxville.....	92.82	93.90	90.00	39.0	40.3	39.3	2.38	2.33	2.29
Memphis.....	(1)	92.06	88.22	(1)	41.1	40.1	(1)	2.24	2.20
Nashville.....	(1)	92.20	86.71	(1)	42.1	40.9	(1)	2.19	2.12

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		
	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963	Jan. 1964	Dec. 1963	Jan. 1963
TEXAS.....	\$97.75	\$99.19	\$94.48	40.9	41.5	40.9	\$2.39	\$2.39	\$2.31
Dallas ²	88.78	90.74	84.86	41.1	42.4	40.8	2.16	2.14	2.08
Fort Worth.....	102.87	106.34	98.36	40.5	42.2	41.5	2.54	2.52	2.37
Houston.....	113.30	115.37	110.27	41.2	41.8	41.3	2.75	2.76	2.67
San Antonio.....	73.49	74.07	71.63	40.6	40.7	40.7	1.81	1.82	1.76
UTAH.....	(1)	112.75	109.76	(1)	41.0	40.5	(1)	2.75	2.71
Salt Lake City.....	(1)	108.21	108.05	(1)	41.3	41.4	(1)	2.62	2.61
VERMONT.....	84.25	85.49	81.79	40.9	41.7	41.1	2.06	2.05	1.99
Burlington.....	88.31	90.05	84.21	39.6	40.2	40.1	2.23	2.24	2.10
Springfield.....	94.60	95.76	96.41	40.6	41.1	42.1	2.33	2.33	2.29
VIRGINIA.....	79.20	82.00	78.57	39.8	41.0	40.5	1.99	2.00	1.94
Norfolk-Portsmouth.....	91.16	94.59	85.88	42.6	44.2	40.7	2.14	2.14	2.11
Richmond ⁴	87.60	90.47	86.24	40.0	41.5	40.3	2.19	2.18	2.14
Roanoke.....	78.69	81.59	75.71	41.2	43.4	41.6	1.91	1.88	1.82
WASHINGTON.....	114.27	116.53	108.96	39.0	39.5	38.5	2.93	2.95	2.83
Seattle.....	116.62	117.71	109.59	39.4	39.5	39.0	2.96	2.98	2.81
Spokane.....	120.38	121.90	116.92	39.6	40.1	39.5	3.04	3.04	2.96
Tacoma.....	110.40	113.39	105.84	38.2	38.7	37.4	2.89	2.93	2.83
WEST VIRGINIA.....	104.81	106.92	102.56	39.7	40.5	39.6	2.64	2.64	2.59
Charleston.....	129.47	130.93	125.86	41.9	42.1	40.6	3.09	3.11	3.10
Huntington-Ashland.....	110.37	116.42	106.23	39.0	39.6	39.2	2.83	2.94	2.71
Wheeling.....	105.15	110.57	105.46	38.8	40.8	39.5	2.71	2.71	2.67
WISCONSIN.....	109.35	110.17	105.59	41.2	41.5	41.0	2.65	2.65	2.58
Green Bay.....	108.69	109.66	103.17	43.3	43.8	42.2	2.51	2.50	2.44
Kenosha.....	122.65	122.47	122.78	40.4	40.3	41.3	3.04	3.04	2.98
La Crosse.....	99.94	102.63	98.80	39.2	39.8	39.1	2.55	2.58	2.53
Madison.....	118.27	116.79	109.59	41.3	41.0	40.3	2.87	2.85	2.72
Milwaukee ⁴	118.84	119.47	114.89	40.8	41.0	40.7	2.91	2.91	2.82
Racine.....	117.45	116.75	109.18	41.6	41.6	40.4	2.82	2.80	2.70
WYOMING.....	100.88	99.86	98.82	37.5	37.4	36.6	2.69	2.67	2.70
Casper.....	124.71	119.42	119.86	40.1	38.4	39.3	3.11	3.11	3.05

¹ Not available.

² Revised series; not strictly comparable with previously published data.

³ Subarea of New York-Northeastern New Jersey.

⁴ See footnote 8, table B-8.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

Table D-1: Labor turnover rates in manufacturing

1954 to date

(Per 100 employees)

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

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

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

Data for the current month are preliminary.

ESTABLISHMENT DATA LABOR TURNOVER

58

Table D-2: Labor turnover rates, by industry

Industry	(Per 100 employees)														
	Accession rates						Separation rates								
	Total			New hires			Total			Quits			Layoffs		
	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963
MANUFACTURING	3.4	2.5	3.9	1.9	1.4	2.4	3.8	3.7	3.9	1.1	0.8	1.4	2.0	2.3	1.8
DURABLE GOODS	3.3	2.4	3.6	1.8	1.3	2.1	3.7	3.4	3.6	1.0	.7	1.2	1.9	2.1	1.7
NONDURABLE GOODS	3.6	2.5	4.1	2.0	1.4	2.7	4.0	4.1	4.2	1.3	1.0	1.6	2.1	2.6	2.0
<i>Durable Goods</i>															
ORDNANCE AND ACCESSORIES	1.6	1.6	2.4	.6	1.0	1.5	4.3	2.1	2.7	1.2	.6	1.0	2.4	1.0	1.2
Ammunition, except for small arms	1.6	1.8	2.5	.4	1.1	1.6	4.2	2.0	2.6	1.3	.7	1.1	2.2	.9	1.1
Sighting and fire control equipment .....	.6	1.6	1.5	.3	.5	.7	5.4	3.8	4.1	.6	.9	.9	3.9	1.8	2.1
Other ordnance and accessories	2.3	1.2	2.6	1.4	.8	1.6	4.1	1.7	2.5	1.0	.5	.8	2.3	.8	1.3
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	4.4	2.8	5.6	2.8	2.0	4.2	5.2	4.9	5.5	1.7	1.5	2.7	2.8	2.7	1.9
Sawmills and planing mills	3.2	2.2	4.6	2.3	1.7	3.6	4.3	3.9	4.7	1.6	1.3	2.5	2.1	2.0	1.5
Sawmills and planing mills, general	3.3	2.0	4.6	2.2	1.6	3.6	4.4	4.0	4.7	1.6	1.3	2.5	2.2	2.1	1.5
Millwork, plywood, and related products	3.9	2.5	4.6	2.8	1.8	3.7	4.7	4.2	4.5	1.7	1.3	2.3	2.3	2.3	1.4
Millwork	4.4	1.7	4.6	3.3	1.5	3.8	4.2	3.6	4.4	1.6	1.2	2.3	2.1	1.8	1.4
Veneer and plywood	3.6	2.7	4.0	2.6	2.2	3.5	3.6	2.8	3.9	1.7	1.4	2.4	1.1	.7	.7
Wooden containers	3.5	3.5	5.1	2.1	1.9	3.4	4.8	4.4	5.6	1.4	1.2	2.1	2.6	2.5	2.7
Wooden boxes, shooks, and crates	3.8	3.7	5.2	2.3	1.9	3.8	5.2	3.8	5.6	1.6	1.2	2.3	2.7	1.9	2.5
Miscellaneous wood products	5.2	2.2	5.3	3.4	1.5	4.0	5.3	4.7	5.3	1.7	1.3	2.3	2.3	2.8	2.0
FURNITURE AND FIXTURES	4.0	2.7	4.4	2.9	1.8	3.5	4.5	3.8	4.4	1.9	1.2	2.1	2.0	2.0	1.6
Household furniture	4.0	2.6	4.4	3.0	1.9	3.7	4.3	3.5	4.3	2.0	1.3	2.3	1.5	1.6	1.3
Wood house furniture, upholstered	3.6	2.5	4.3	2.9	2.0	3.7	4.2	3.2	4.1	2.0	1.4	2.4	1.4	1.2	.9
Wood house furniture, upholstered	3.0	1.8	3.9	2.5	1.6	3.3	4.1	3.3	3.7	2.2	1.2	2.0	1.2	1.5	1.0
Mattresses and bedsprings	4.3	1.9	4.0	3.3	1.3	3.2	3.4	3.5	3.9	1.7	1.1	1.8	1.1	1.7	1.3
Office furniture	1.9	1.8	2.9	1.5	1.0	1.9	5.0	2.6	3.4	1.6	.8	1.2	2.9	1.4	1.7
STONE, CLAY, AND GLASS PRODUCTS	3.4	2.0	3.8	1.4	1.1	2.3	4.5	4.9	3.8	.9	.6	1.2	3.1	3.7	1.9
Flat glass	3.0	2.2	3.4	.5	1.0	.8	4.3	3.9	3.0	.8	.3	.3	3.3	3.2	2.4
Glass and glassware, pressed or blown	3.6	2.6	3.7	.8	.7	1.7	3.9	4.6	3.8	.8	.5	1.0	2.4	3.3	1.9
Glass containers	4.0	3.2	3.9	.5	.7	1.9	4.9	6.0	4.3	1.0	.7	1.3	3.2	4.6	2.2
Pressed and blown glassware, n.e.c.	2.9	1.9	3.4	1.1	.7	1.4	2.7	2.7	3.1	.6	.4	.7	1.4	1.7	1.4
Cement, hydraulic	3.3	1.8	3.3	.8	.4	1.0	6.5	6.7	3.5	.3	.2	.6	5.6	6.1	2.4
Structural clay products	2.8	1.5	4.0	1.3	1.0	2.3	5.5	6.4	4.1	1.2	.7	1.4	3.8	5.0	2.0
Brick and structural clay tile	2.8	1.1	4.6	1.9	1.0	2.7	6.7	7.8	4.8	1.2	.9	1.7	4.8	6.3	2.5
Pottery and related products	2.8	1.9	3.2	1.4	1.4	1.8	2.8	3.1	2.9	1.0	.7	1.0	1.3	1.9	1.4
Abrasive products	1.0	1.2	1.4	.8	.7	1.0	1.4	.9	1.4	.5	.3	.5	.6	.1	.5
PRIMARY METAL INDUSTRIES	3.1	2.6	3.0	1.2	.8	1.2	2.2	2.2	2.8	.5	.4	.6	1.0	1.3	1.5
Blast furnace and basic steel products	3.2	2.9	3.1	.7	.3	.7	1.9	2.3	2.8	.3	.2	.4	1.0	1.6	1.7
Blast furnaces, steel and rolling mills	3.3	3.0	3.2	.7	.2	.7	1.9	2.3	2.8	.2	.1	.4	.9	1.6	1.7
Iron and steel foundries	3.8	3.0	3.4	2.2	1.9	2.1	2.7	2.6	3.2	1.1	.7	1.1	.9	.9	1.2
Gray iron foundries	4.1	2.7	3.4	2.0	1.5	2.0	2.7	2.7	3.1	1.1	.7	1.1	.8	.9	1.1
Malleable iron foundries	4.2	3.1	3.2	2.9	2.0	2.0	2.4	2.8	3.7	1.2	.8	1.1	.2	.3	1.5
Steel foundries	3.0	3.5	3.7	2.3	2.7	2.4	2.9	2.3	3.0	.9	.6	.9	1.3	1.0	1.3
Nonferrous smelting and refining	2.2	1.5	2.4	1.2	.9	1.5	1.9	1.9	2.1	.6	.3	.7	.7	1.1	.8
Nonferrous rolling, drawing, and extruding	2.4	1.7	2.3	1.1	.7	1.2	2.0	1.8	2.4	.5	.4	.6	1.0	1.1	1.3
Copper rolling, drawing, and extruding	1.4	1.1	1.6	1.0	.6	1.0	1.6	1.1	1.6	.3	.3	.5	.8	.5	.7
Aluminum rolling, drawing, and extruding	2.8	2.1	2.4	1.1	.5	1.1	2.3	1.8	2.3	.4	.2	.5	1.3	1.2	1.3
Nonferrous wire drawing, and insulating	2.2	1.6	2.9	1.2	1.0	1.4	2.3	2.7	3.3	.8	.7	.9	1.0	1.6	2.0
Nonferrous foundries	3.9	3.2	3.7	2.6	1.9	2.5	2.9	2.6	3.7	1.2	.9	1.4	1.1	1.1	1.6
Aluminum castings	3.8	3.4	4.2	2.5	2.2	2.8	3.1	3.0	4.0	1.6	.9	1.5	1.0	1.2	1.7
Other nonferrous castings	4.1	3.1	3.2	2.6	1.7	2.1	2.6	2.2	3.4	.8	.8	1.3	1.1	1.0	1.5
Miscellaneous primary metal industries	2.4	1.9	2.3	1.3	.9	1.3	2.1	1.8	2.4	.6	.4	.7	.9	1.0	1.2
Iron and steel forgings	2.2	1.5	2.4	1.2	.9	1.4	2.1	1.7	2.5	.6	.4	.7	1.0	.9	1.2

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

**ESTABLISHMENT DATA
LABOR TURNOVER**
Table D-2: Labor turnover rates, by industry--Continued

Industry	(Per 100 employees)														
	Accession rates						Separation rates								
	Total			New hires			Total			Quits			Layoffs		
	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963
<i>Durable Goods--Continued</i>															
FABRICATED METAL PRODUCTS	3.7	2.6	4.0	2.1	1.5	2.5	4.1	3.7	4.0	1.1	0.8	1.3	2.3	2.3	2.0
Metal cans	7.6	4.4	6.1	1.3	.6	1.9	3.9	8.5	6.2	.6	.4	1.0	2.5	7.4	4.4
Cutlery, hand tools, and general hardware	2.8	2.4	3.1	2.1	1.7	2.0	3.3	2.2	3.0	1.0	.7	1.1	1.6	.7	1.1
Cutlery and hand tools, including saws	2.3	2.2	2.5	2.0	1.9	1.9	2.4	1.7	2.3	1.0	.6	1.0	.9	.6	.8
Hardware, n.e.c.	3.1	2.5	3.5	2.2	1.6	2.1	3.9	2.6	3.5	1.0	.7	1.2	2.1	.8	1.2
Heating equipment and plumbing fixtures	3.2	2.1	3.4	1.8	1.5	2.4	4.0	3.3	3.2	1.0	.7	1.1	2.3	2.0	1.3
Sanitary ware and plumbers' brass goods	3.3	1.7	3.0	1.8	1.0	2.0	3.5	2.7	2.8	.7	.6	1.0	2.0	1.6	1.1
Heating equipment, except electric	3.1	2.3	3.7	1.9	1.8	2.7	4.3	3.7	3.4	1.1	.7	1.2	2.6	2.3	1.5
Fabricated structural metal products	3.7	2.7	4.3	2.1	1.6	3.0	4.9	4.3	4.4	1.0	.8	1.4	3.2	2.8	2.3
Fabricated structural steel	5.0	3.7	4.9	2.8	1.8	3.1	5.4	4.0	5.2	1.1	.8	1.4	3.4	2.7	3.0
Fabricated plate work (boiler shops)	2.8	2.1	3.2	1.6	1.2	2.0	2.9	2.8	3.3	.8	.7	1.1	1.6	1.4	1.7
Architectural and miscellaneous metal work	3.6	2.4	4.6	2.2	1.7	3.5	5.7	5.6	4.7	.8	1.0	1.6	4.3	3.7	2.4
Screw machine products, bolts, etc.	2.9	2.2	2.9	2.0	1.6	2.2	3.4	2.4	2.9	1.1	.7	1.3	1.5	1.2	1.0
Bolts, nuts, screws, rivets, and washers	1.9	1.5	2.3	1.3	.9	1.8	2.9	2.3	2.3	.9	.6	1.1	1.4	1.3	.7
Metal stampings	4.1	2.5	4.2	2.1	1.1	2.0	3.7	3.3	4.2	1.1	.7	1.0	1.9	2.0	2.6
Miscellaneous fabricated wire products	3.8	2.5	4.1	2.7	1.5	2.6	4.1	3.1	4.1	1.2	1.0	1.5	1.8	1.6	1.9
Miscellaneous fabricated metal products	2.9	2.0	2.8	1.6	1.2	1.9	3.0	2.3	2.9	.9	.6	1.0	1.5	1.2	1.2
Valves, pipe, and pipe fittings	2.6	2.0	2.5	1.6	1.3	1.8	2.8	2.1	2.6	.9	.6	1.0	1.2	1.0	1.1
MACHINERY	2.8	2.4	2.9	2.1	1.6	1.9	2.5	1.9	2.7	.9	.6	1.0	1.0	.7	1.1
Engines and turbines	1.6	2.1	2.7	.9	.9	1.3	2.1	2.6	2.6	.4	.3	.5	.8	1.5	1.0
Steam engines and turbines	.8	1.2	1.6	.2	.3	.6	2.7	1.5	1.7	.3	.2	.3	1.2	.5	.4
Internal combustion engines, n.e.c.	2.2	2.7	3.4	1.4	1.4	1.8	1.6	3.4	3.3	.5	.4	.7	.6	2.1	1.5
Farm machinery and equipment	5.0	5.4	4.1	3.0	3.1	2.5	2.4	1.9	3.6	1.1	.7	1.2	.7	.7	1.7
Construction and related machinery	2.6	2.3	2.7	2.0	1.7	1.9	2.0	1.6	2.3	.9	.6	.9	.6	.5	.8
Construction and mining machinery	3.1	2.4	2.7	2.4	1.7	1.9	2.2	1.4	2.2	.9	.6	.9	.8	.4	.8
Oil field machinery, and equipment	2.2	1.9	2.0	1.7	1.6	1.5	1.6	1.9	2.0	.9	.7	.9	.1	.8	.6
Conveyors, hoists, and industrial cranes	2.2	2.4	2.9	1.8	1.8	2.4	2.0	1.7	2.6	.8	.6	1.1	.7	.5	.9
Metalworking machinery and equipment	2.9	2.2	3.0	2.3	1.6	2.0	2.3	1.7	2.8	1.0	.6	1.0	.7	.5	1.2
Machine tools, metal cutting types	2.1	1.4	1.8	1.9	1.1	1.5	1.4	1.1	1.6	.8	.4	.7	.2	.2	.4
Machine tool accessories	1.9	1.5	2.0	1.6	1.1	1.5	1.7	1.3	1.8	.7	.5	.8	.6	.3	.5
Miscellaneous metalworking machinery	2.1	1.8	2.2	1.7	1.1	1.5	1.9	1.2	2.0	.7	.5	.7	.6	.3	.8
Special industry machinery	2.7	1.8	2.2	2.2	1.4	1.7	2.3	1.6	2.4	.9	.6	.9	.9	.6	.9
Food products machinery	3.0	1.7	2.6	2.6	1.3	1.8	2.9	1.9	2.9	.9	.6	1.0	1.4	.7	1.3
Textile machinery	3.0	2.5	2.2	2.1	1.9	1.6	2.1	1.9	2.4	.8	.6	1.0	.8	.7	1.0
General industrial machinery	2.3	1.8	2.2	1.7	1.3	1.5	2.2	1.4	2.1	.8	.5	.8	.8	.5	.8
Pumps, air and gas compressors	2.6	1.7	2.2	2.0	1.3	1.6	1.7	1.5	2.2	.7	.6	.9	.5	.4	.8
Ball and roller bearings	2.0	1.7	1.7	1.2	1.1	.9	2.0	1.0	1.7	.9	.5	.6	.6	.2	.8
Mechanical power transmission goods	2.3	1.4	2.0	1.9	1.1	1.4	1.9	1.1	1.7	.6	.5	.8	.7	.2	.6
Office, computing, and accounting machines	1.7	1.8	2.2	1.2	1.1	1.3	2.9	1.5	2.3	.7	.5	.8	1.3	.3	.7
Computing machines and cash registers	1.5	1.9	2.1	1.2	1.1	1.3	3.0	1.4	2.2	.6	.4	.7	1.3	.3	.6
Service industry machines	4.1	3.2	3.6	2.3	1.6	2.2	3.1	2.7	3.4	.9	.6	1.0	1.6	1.5	1.7
Refrigeration, except home refrigerators	5.1	3.2	4.1	2.8	1.8	2.4	3.4	2.4	3.8	1.0	.6	1.0	1.9	1.2	2.0
ELECTRICAL EQUIPMENT AND SUPPLIES	3.0	2.2	3.0	1.7	1.3	1.9	3.6	3.0	3.4	1.1	.9	1.2	1.8	1.5	1.4
Electric distribution equipment	2.5	1.5	2.1	1.4	.9	1.3	2.8	1.8	2.3	.9	.5	.9	1.2	.8	.9
Electric measuring instruments	2.6	1.6	2.2	1.7	1.2	1.4	3.5	1.9	3.0	1.2	.7	1.2	1.6	.8	1.2
Power and distribution transformers	1.7	1.5	2.2	.4	.7	1.2	2.0	2.2	2.2	.6	.5	.8	.8	1.3	.9
Switchgear and switchboard apparatus	2.9	1.5	1.9	1.8	.8	1.3	2.8	1.4	1.9	.9	.4	.8	1.1	.5	.6
Electrical industrial apparatus	2.9	2.2	2.7	1.8	1.2	1.7	2.7	2.1	2.7	1.1	.7	1.1	.9	.8	1.0
Motors and generators	2.8	2.4	2.8	1.7	1.2	1.6	3.0	2.4	2.8	1.0	.6	1.0	1.2	1.0	1.1
Industrial controls	2.7	2.0	2.5	1.7	1.2	1.6	2.7	1.7	2.4	1.4	.8	1.1	.7	.5	.8
Household appliances	3.6	2.4	3.7	2.2	1.5	2.3	3.3	3.7	3.2	1.0	.8	1.1	1.4	2.2	1.4
Household refrigerators and freezers	5.5	4.2	3.9	4.1	2.7	2.0	2.9	2.3	3.0	1.0	.9	.8	.9	.6	1.4
Household laundry equipment	1.1	.7	2.6	.3	.5	1.5	2.3	4.2	2.1	.4	.5	.7	1.2	2.7	1.0
Electric housewares and fans	4.0	1.6	5.0	1.6	.9	3.4	5.4	8.1	4.7	1.7	1.2	1.8	2.8	6.2	2.2
Electric lighting and wiring equipment	2.9	1.7	3.2	1.8	1.1	2.2	3.4	3.0	3.2	1.2	.8	1.3	1.4	1.6	1.2
Electric lamps	2.4	1.4	1.9	1.6	.8	1.3	1.5	1.8	1.8	.6	.5	.8	.3	.9	.4
Lighting fixtures	3.9	1.8	3.8	1.8	1.0	2.5	4.4	4.9	3.8	1.3	.9	1.3	2.2	3.3	1.9
Wiring devices	2.4	1.7	3.3	1.8	1.3	2.4	3.4	2.1	3.4	1.4	.9	1.5	1.2	.6	1.1
Radio and TV receiving sets	3.6	2.7	4.6	1.3	1.3	2.5	5.5	5.5	4.8	.9	1.1	1.6	3.6	3.4	2.2
Communication equipment	2.2	1.8	2.2	1.4	1.0	1.4	3.3	2.6	3.1	1.0	.8	1.1	1.8	1.1	1.1
Telephone and telegraph apparatus	(1)	1.3	1.2	(1)	1.0	.8	(1)	1.4	1.5	(1)	.7	.8	(1)	.4	.3
Radio and TV communication equipment	2.6	2.0	2.6	1.6	1.1	1.6	3.6	3.1	3.7	1.1	.9	1.3	1.9	1.4	1.5
Electronic components and accessories	4.2	3.3	4.0	2.0	1.8	2.3	4.7	3.7	4.6	1.4	1.1	1.6	2.5	1.7	2.1
Electron tubes	1.9	1.5	2.0	.5	.7	1.0	2.9	2.5	3.0	.8	.8	1.0	1.5	1.2	1.4
Electronic components, n.e.c.	4.9	3.8	4.7	2.5	2.1	2.7	5.3	4.1	5.1	1.6	1.3	1.9	2.8	1.9	2.3
Miscellaneous electrical equipment and supplies	2.6	2.5	3.0	1.7	1.3	1.9	3.7	3.2	3.2	.9	.9	1.1	2.3	1.8	1.4
Electrical equipment for engines	2.7	2.3	2.2	1.8	.9	1.2	3.4	2.7	2.7	.8	.6	.8	2.1	1.7	1.3

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

ESTABLISHMENT DATA LABOR TURNOVER

60

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

(Per 100 employees)																
Industry	Accession rates						Separation rates									
	Total			New hires			Total			Quits			Layoffs			
	Jan. 1964	Dec. 1964	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	
<i>Durable Goods--Continued</i>																
TRANSPORTATION EQUIPMENT	3.3	2.5	4.0	1.7	1.2	1.9	4.1	3.6	4.1	0.8	0.6	0.9	2.2	2.3	2.4	
Motor vehicles and equipment	2.9	2.2	4.1	1.4	1.1	1.4	4.5	3.1	4.2	.5	.4	.5	2.0	1.6	2.4	
Motor vehicles	2.6	1.9	4.2	1.3	1.0	1.5	3.4	3.2	4.2	.5	.4	.5	1.2	1.8	2.6	
Passenger car bodies	2.2	2.1	4.6	.7	1.0	1.1	16.8	2.3	5.5	.3	.3	.3	10.4	.4	3.3	
Truck and bus bodies	6.8	2.7	4.1	3.4	1.3	2.8	2.9	4.8	4.6	.8	.7	1.3	1.5	3.5	2.5	
Motor vehicle parts and accessories	2.6	2.6	3.9	1.0	1.1	1.2	2.9	2.7	3.9	.5	.4	.5	.9	1.2	2.2	
Aircraft and parts	1.8	1.6	2.4	1.3	1.1	1.7	3.1	2.3	2.5	.8	.6	.9	1.8	1.3	1.1	
Aircraft	1.6	1.4	2.4	1.1	1.0	1.7	2.9	2.6	2.4	.8	.6	.9	1.8	1.7	1.1	
Aircraft engines and engine parts	1.2	1.6	2.1	.8	1.1	1.4	2.6	1.6	2.1	.7	.5	.8	1.5	.8	.8	
Other aircraft parts and equipment	4.0	2.0	3.2	3.1	1.4	2.3	4.8	2.4	3.6	1.3	.7	1.3	2.8	1.4	1.7	
Ship and boat building and repairing	8.3	7.2	9.3	3.4	2.7	3.8	7.4	8.5	10.0	1.3	1.2	1.8	5.5	6.6	7.4	
Ship building and repairing	8.9	7.7	9.7	3.1	2.4	3.6	7.4	9.3	10.6	1.1	1.1	1.6	5.7	7.5	8.2	
Railroad equipment	8.4	4.9	5.8	4.5	2.0	2.3	3.5	6.2	5.7	1.1	.7	1.0	1.3	4.4	3.8	
Other transportation equipment	11.7	4.6	8.0	4.6	3.0	5.1	5.1	15.3	7.1	2.4	1.7	2.9	1.7	12.5	2.8	
INSTRUMENTS AND RELATED PRODUCTS	2.7	2.0	2.8	1.7	1.3	2.0	3.2	2.5	2.7	1.1	.8	1.2	1.5	1.2	.9	
Engineering and scientific instruments	2.4	1.6	2.1	1.5	.9	1.2	2.7	2.3	2.7	.9	.7	.9	1.6	1.0	1.2	
Mechanical measuring and control devices	3.1	2.3	3.0	1.9	1.5	1.9	3.2	2.1	2.8	1.1	.8	1.2	1.3	.7	.8	
Mechanical measuring devices	2.5	1.9	2.6	1.9	1.5	2.0	2.3	1.8	2.3	1.0	.7	1.1	.8	.6	.7	
Automatic temperature controls	4.0	2.9	3.6	1.7	1.4	1.7	4.6	2.7	3.5	1.3	.9	1.3	2.2	.9	1.1	
Optical and ophthalmic goods	3.2	2.6	3.2	2.3	1.7	2.5	2.6	2.1	2.8	1.3	1.0	1.4	.5	.6	.8	
Surgical, medical, and dental equipment	2.7	1.8	2.9	1.7	1.3	2.2	3.4	1.7	2.8	1.1	.7	1.3	1.6	.6	.9	
Photographic equipment and supplies	(1)	(1)	2.0	(1)	(1)	2.8	(1)	(1)	2.6	(1)	(1)	2.8	(1)	(1)	2.4	
Watches and clocks	3.3	1.4	4.6	1.4	.7	3.0	7.1	7.6	4.3	1.3	1.1	1.8	5.0	5.6	1.6	
MISCELLANEOUS MANUFACTURING INDUSTRIES	5.5	2.4	5.4	2.5	1.5	3.4	5.7	10.4	5.5	1.3	1.1	1.8	3.6	8.6	2.9	
Jewelry, silverware, and plated ware	2.7	1.8	3.7	2.0	1.4	2.6	3.9	2.7	3.7	1.1	.9	1.7	2.1	1.4	1.4	
Toys, amusement, and sporting goods	11.8	3.1	8.8	3.0	1.5	4.7	9.6	27.9	9.0	1.5	1.3	2.4	7.3	25.6	5.6	
Toys, games, dolls, and play vehicles	16.5	2.5	11.2	3.2	1.0	5.2	12.5	43.2	11.2	1.5	1.4	2.5	10.3	40.9	7.6	
Sporting and athletic goods, n.e.c.	5.1	4.2	5.4	2.7	2.2	3.7	5.4	4.2	5.6	1.6	1.3	2.2	3.0	2.1	2.6	
Pens, pencils, office and art materials	2.9	1.6	3.7	1.9	1.2	2.7	5.4	3.8	3.3	1.4	1.4	1.5	3.4	1.9	1.3	
Costume jewelry, buttons, and notions	4.9	2.5	5.7	3.2	1.9	4.0	5.3	5.8	5.8	1.7	1.5	2.5	2.8	3.7	2.5	
Other manufacturing industries	3.3	2.1	3.9	2.3	1.4	2.7	4.1	4.8	4.1	1.2	.9	1.4	2.2	3.4	2.1	
<i>Nondurable Goods</i>																
FOOD AND KINDRED PRODUCTS	3.6	3.0	5.8	1.8	1.6	3.6	5.2	5.5	5.9	1.2	1.0	1.8	3.3	3.9	3.5	
Meat products	3.8	3.6	5.4	1.8	1.7	2.6	5.0	5.1	5.5	1.4	1.2	1.9	3.0	3.3	3.0	
Meat packing	3.6	3.6	4.9	1.2	1.0	1.4	3.7	3.8	4.9	.7	.6	.8	2.5	2.7	3.6	
Poultry dressing and packing	5.4	4.6	8.6	3.9	3.7	6.4	10.3	10.3	8.6	3.7	3.4	5.1	5.7	6.2	2.6	
Grain mill products	2.9	2.7	3.0	1.5	1.3	2.0	3.6	3.0	3.3	.9	.7	1.1	2.0	1.7	1.6	
Flour and other grain mill products	2.1	2.9	3.0	1.3	1.1	1.8	2.2	2.9	3.1	.9	.6	.9	.8	1.9	1.7	
Prepared feeds for animals and fowls	2.9	2.7	3.0	1.9	1.5	2.2	3.8	2.9	3.4	1.0	.9	1.2	1.9	1.4	1.6	
Bakery products	2.4	2.3	3.2	1.9	1.7	2.6	3.2	2.8	3.3	1.3	1.1	1.7	1.3	1.2	1.0	
Bread, cake, and perishable products	2.1	2.2	3.0	1.8	1.7	2.6	2.7	2.6	3.0	1.3	1.1	1.7	.8	1.0	.7	
Biscuit, crackers, and pretzels	4.0	3.2	4.1	2.5	1.4	2.2	5.8	3.9	4.6	1.2	1.0	1.5	4.0	2.4	2.2	
Confectionery and related products	7.0	4.0	6.1	2.3	2.3	3.4	7.7	9.2	6.3	1.9	1.7	2.3	5.4	6.7	3.5	
Candy and other confectionery products	8.1	4.8	7.1	2.6	2.7	3.8	8.5	10.7	7.1	2.0	2.0	2.6	6.1	7.8	3.9	
Beverages	3.4	2.9	4.9	1.4	1.4	2.8	4.2	4.8	4.8	1.1	.8	1.6	2.5	3.5	2.8	
Malt liquors	2.6	3.5	3.9	.5	.7	1.2	5.3	3.8	4.1	.3	.3	.5	4.5	3.2	3.1	
TOBACCO MANUFACTURES	4.7	7.0	6.6	1.7	4.0	3.8	6.5	11.0	6.3	.9	.7	.9	4.8	9.9	5.0	
Cigarettes . . . . .	.5	.5	1.2	.3	.2	.7	1.4	1.3	1.1	.3	.2	.5	.4	.7	.2
Cigars	3.6	1.3	3.5	2.0	.9	2.1	4.4	2.6	3.6	1.4	.9	1.7	2.3	1.4	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

Industry	(Per 100 employees)														
	Accession rates						Separation rates								
	Total			New hires			Total			Quits			Layoffs		
	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>															
TEXTILE MILL PRODUCTS	3.5	2.2	3.6	2.1	1.4	2.5	3.7	3.3	3.8	1.6	1.1	1.9	1.5	1.6	1.2
Cotton broad woven fabrics	2.7	1.8	3.0	2.0	1.3	2.2	2.6	2.0	3.0	1.6	1.2	2.0	.4	.3	.4
Silk and synthetic broad woven fabrics	2.9	2.0	3.2	2.2	1.5	2.5	3.0	1.9	3.1	1.5	1.0	1.8	.7	.5	.7
Weaving and finishing broad woolsens	4.4	3.7	4.4	2.0	1.2	2.2	4.6	4.6	5.2	1.4	.9	1.8	2.5	3.2	2.8
Narrow fabrics and smallwares	3.0	2.1	3.7	1.9	1.4	2.5	3.3	2.9	3.7	1.1	.9	1.7	1.6	1.3	1.4
Knitting	4.5	1.9	4.1	2.1	1.0	2.8	4.8	5.4	4.4	1.7	1.3	2.1	2.6	3.8	1.8
Full-fashioned hosiery	4.6	1.3	3.2	2.8	.8	2.4	3.0	1.9	3.9	1.9	1.2	2.4	.9	.6	1.1
Seamless hosiery	3.0	1.8	2.9	1.9	1.0	2.0	3.2	3.8	3.3	1.8	1.2	1.9	.9	2.1	1.0
Knit underwear	2.1	1.2	3.0	1.3	.8	2.1	2.9	2.0	3.0	1.7	1.2	1.9	.9	.5	.7
Finishing textiles, except wool and knit	2.4	1.8	2.7	1.8	1.3	1.9	3.2	2.8	2.8	1.3	.8	1.3	1.4	1.6	1.0
Floor covering	3.0	2.1	3.7	1.8	1.2	2.7	4.5	3.0	3.8	1.6	.9	1.6	2.0	1.4	1.4
Yarn and thread	4.1	3.3	4.6	3.0	2.0	3.2	3.9	3.3	4.7	2.1	1.4	2.5	1.1	1.2	1.4
Miscellaneous textile goods	4.0	2.8	3.8	1.7	1.6	2.3	4.0	2.8	3.9	1.2	.9	1.4	2.2	1.3	1.7
APPAREL AND RELATED PRODUCTS	5.7	3.3	5.3	2.9	1.6	3.3	5.1	5.7	5.5	1.9	1.3	2.2	2.5	3.8	2.6
Men's and boys' suits and coats	3.1	3.4	3.1	1.8	1.2	1.9	3.0	2.3	3.0	1.2	.9	1.4	1.2	1.0	1.1
Men's and boys' furnishings	5.0	2.4	4.5	2.9	1.5	3.2	4.3	4.3	4.7	2.3	1.6	2.7	1.4	2.2	1.4
Men's and boys' shirts and nightwear	3.5	1.7	4.2	2.1	1.1	3.1	4.1	3.5	4.5	2.3	1.6	2.8	1.3	1.4	1.1
Men's and boys' separate trousers	6.1	3.3	4.5	3.5	1.7	3.2	3.2	3.6	4.6	2.3	1.6	2.8	.5	1.6	1.1
Work clothing	5.5	2.7	4.4	3.8	2.1	3.3	3.8	3.8	4.2	2.5	1.8	2.8	.6	1.4	.9
Women's and children's undergarments	4.7	2.1	5.1	2.3	1.2	3.5	5.1	5.4	5.1	2.0	1.6	2.5	2.5	3.3	1.9
Women's and children's underwear	5.0	2.0	5.3	2.6	1.1	3.6	5.7	5.8	5.6	2.2	1.7	2.8	3.1	3.5	2.1
Corsets and allied garments	4.2	2.3	4.7	1.9	1.4	3.3	3.8	4.8	4.0	1.7	1.5	2.0	1.4	2.8	1.4
PAPER AND ALLIED PRODUCTS	2.3	1.8	2.6	1.4	1.1	1.8	2.8	2.6	2.8	.9	.7	1.1	1.4	1.4	1.0
Paper and pulp	1.3	1.3	1.8	.7	.7	1.1	2.0	1.5	1.8	.6	.4	.7	1.0	.7	.7
Paperboard	1.4	1.2	1.7	1.0	.9	1.3	1.4	1.6	1.9	.5	.4	.8	.5	.9	.6
Converted paper and paperboard products	3.1	2.4	3.3	1.9	1.5	2.4	3.9	3.1	3.5	1.2	1.0	1.5	2.0	1.6	1.4
Bags, except textile bags	3.6	3.6	4.3	2.5	2.2	3.0	6.1	5.7	5.1	1.5	1.4	1.9	3.3	3.4	2.2
Paperboard containers and boxes	3.1	2.1	3.4	1.8	1.2	2.4	3.4	3.9	3.5	1.1	.9	1.5	1.5	2.3	1.3
Folding and setup paperboard boxes	3.6	1.7	3.6	2.0	1.2	2.7	4.4	5.3	4.0	1.3	1.0	1.6	2.3	3.6	1.6
Corrugated and solid fiber boxes	2.0	1.7	3.0	1.4	1.3	2.3	2.5	2.9	3.1	.9	.8	1.5	1.0	1.5	.9
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	2.8	2.1	2.9	2.1	1.5	2.2	3.2	2.5	2.9	1.5	1.0	1.4	1.1	1.2	1.0
CHEMICALS AND ALLIED PRODUCTS	1.9	1.3	2.1	1.1	.8	1.5	1.9	1.7	2.0	.6	.4	.8	.8	.9	.8
Industrial chemicals	1.2	.8	1.3	.6	.4	.9	1.2	1.1	1.3	.4	.3	.5	.5	.4	.4
Plastics and synthetics, except glass	1.5	1.0	1.6	1.0	.7	1.1	1.7	1.1	1.4	.6	.4	.6	.7	.4	.4
Plastics and synthetics, except fibers	1.4	1.0	1.6	1.0	.7	1.2	2.0	1.3	1.6	.6	.4	.7	1.0	.5	.4
Synthetic fibers	1.8	1.1	1.6	1.1	.7	1.1	1.5	1.1	1.3	.6	.4	.6	.5	.4	.4
Drugs	1.7	1.2	2.0	1.4	1.0	1.6	2.2	1.6	1.8	.9	.6	.9	.8	.6	.4
Pharmaceutical preparations	2.0	1.3	2.2	1.5	1.1	1.7	2.5	1.6	1.9	1.0	.7	1.0	1.0	.6	.5
Soap, cleaners, and toilet goods	2.8	2.2	3.1	1.5	1.1	2.1	3.2	3.4	3.2	.9	.6	1.2	1.6	2.3	1.4
Soap and detergents	2.6	2.4	2.7	.8	.3	1.3	3.4	2.3	2.9	.4	.3	.7	2.3	1.6	1.8
Toilet preparations	3.5	2.3	4.0	2.0	1.8	3.0	3.6	6.1	4.2	1.2	.9	1.9	1.8	4.4	1.6
Paints, varnishes, and allied products	1.5	.9	2.0	1.3	.7	1.6	1.9	1.4	1.9	.7	.5	1.0	.6	.5	.4
Other chemical products	2.5	1.3	2.2	1.3	.9	1.5	2.5	3.2	2.4	.7	.5	.9	1.4	2.3	1.2
PETROLEUM REFINING AND RELATED INDUSTRIES	1.5	.7	1.5	.6	.5	1.1	1.4	2.3	2.0	.4	.3	.7	.5	1.5	.7
Petroleum refining . . . . .	.9	.6	1.0	.5	.4	.7	1.0	1.1	1.4	.3	.2	.5	.2	.3	.3
Other petroleum and coal products	4.2	1.2	3.9	.9	.7	2.6	3.6	8.1	4.6	.7	.6	1.4	2.2	7.1	2.7
RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS	3.6	2.3	3.6	1.7	1.3	2.3	4.0	3.9	3.7	1.1	.8	1.4	2.1	2.4	1.6
Tires and inner rubbers	1.2	.8	1.5	.3	.2	.6	3.2	1.4	1.7	.3	.2	.4	2.2	.9	.8
Other rubber products	4.5	2.4	3.3	1.7	1.2	1.8	3.5	3.9	3.5	1.1	.8	1.2	1.8	2.5	1.6
Miscellaneous plastic products	4.0	3.1	5.2	2.6	2.1	3.8	4.9	5.4	5.2	1.6	1.3	2.2	2.5	3.3	2.1

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

ESTABLISHMENT DATA LABOR TURNOVER

62

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

Industry	(Per 100 employees)														
	Accession rates						Separation rates								
	Total			New hires			* Total			Quits			Layoffs		
	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963	Jan. 1964	Dec. 1963	Avg. 1963
<i>Nondurable Goods--Continued</i>															
LEATHER AND LEATHER PRODUCTS	5.5	3.5	5.0	3.3	2.3	3.1	5.5	5.3	5.0	2.1	1.5	2.3	2.6	3.2	2.0
Leather tanning and finishing	3.3	2.3	3.3	1.9	1.2	2.0	4.2	2.5	3.5	.8	.7	1.1	2.8	1.3	1.8
Footwear, except rubber	4.8	3.8	4.5	3.1	2.4	2.9	5.1	4.2	4.6	2.2	1.6	2.3	2.1	2.1	1.6
NONMANUFACTURING															
METAL MINING	2.8	1.8	3.1	1.2	1.0	1.7	2.7	3.1	3.1	1.2	.7	1.3	.9	1.9	1.1
Iron ores	4.2	1.2	3.4	.6	.2	.6	2.7	4.7	2.7	.3	.1	.3	1.5	4.1	1.8
Copper ores	1.3	1.6	2.2	.7	.9	1.2	1.0	1.4	2.1	.5	.5	1.0	.2	.4	.5
COAL MINING	2.4	1.4	2.1	1.0	.7	.9	2.7	2.0	2.1	.4	.3	.4	1.5	1.4	1.2
Bituminous	2.4	1.2	2.0	.9	.6	.8	2.7	2.1	2.0	.4	.3	.4	1.4	1.4	1.1
COMMUNICATIONS:															
Telephone communication	(1)	.9	1.6	-	-	-	(1)	1.1	1.5	(1)	.7	1.1	(1)	.2	.2
Telegraph communication ³	(1)	1.0	1.3	-	-	-	(1)	1.6	1.9	(1)	.5	.8	(1)	.6	.7

¹ Not available.

² 11-month average.

³ Data relate to all employees except messengers.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA

SEASONALLY ADJUSTED LABOR TURNOVER

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

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

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

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

Data for the current month are preliminary.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

64

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	
	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963
ALABAMA ¹	2.5	2.8	1.0	1.2	3.0	3.1	0.8	0.9	1.9	1.8
Birmingham.....	3.2	2.3	.9	.8	3.4	3.2	.5	.4	2.5	2.3
Mobile ¹	4.8	6.3	1.5	1.3	7.2	9.2	.7	.9	6.1	7.4
ARIZONA.....	4.5	4.8	2.9	3.4	4.6	4.4	1.2	1.5	2.3	2.1
Phoenix.....	5.1	5.2	3.1	3.5	3.7	3.5	1.2	1.5	1.5	1.2
ARKANSAS.....	3.2	4.1	2.6	3.4	5.0	5.2	1.5	2.1	2.7	2.4
Fort Smith.....	4.7	5.8	4.4	5.2	5.1	5.7	2.7	2.8	1.8	2.1
Little Rock-North Little Rock.....	3.2	5.0	3.0	4.6	6.7	4.9	2.7	2.7	3.2	1.2
Pine Bluff.....	2.3	3.3	1.7	2.8	2.4	4.2	1.0	1.4	.5	2.3
CALIFORNIA ¹	2.8	3.4	1.9	2.5	3.9	4.4	1.1	1.4	2.1	2.2
Los Angeles-Long Beach ¹	2.9	3.6	2.1	2.7	3.9	4.3	1.2	1.6	2.0	1.8
Sacramento ¹ .....	.9	1.3	.6	1.0	1.7	2.2	.5	.7	.9	1.2
San Bernardino-Riverside-Ontario ¹	2.6	3.3	1.3	2.1	2.6	3.8	.9	1.2	1.2	1.7
San Diego ¹	1.7	1.9	1.3	1.4	3.1	3.0	.6	.9	2.1	1.6
San Francisco-Oakland ¹	3.3	3.7	1.7	2.3	4.5	4.9	.8	1.0	3.0	3.1
San Jose ¹	2.1	2.4	1.6	1.9	2.3	2.5	.9	1.1	.9	.9
Stockton ¹	3.5	4.1	1.9	2.4	6.8	6.7	.7	.9	5.7	5.2
COLORADO.....	2.9	2.7	1.6	2.0	4.8	4.0	1.1	1.5	2.9	1.9
CONNECTICUT.....	1.9	2.1	1.2	1.5	2.5	2.6	.8	1.0	1.3	1.2
Bridgeport.....	1.8	2.1	1.2	1.7	2.4	2.4	.8	1.0	1.2	1.0
Hartford.....	1.6	1.7	1.3	1.4	1.6	1.7	.7	.8	.5	.5
New Britain.....	1.3	2.4	1.1	2.0	2.8	2.0	.6	.8	1.8	.5
New Haven.....	1.7	2.2	1.2	1.6	2.7	4.5	.8	1.0	1.2	2.8
Stamford.....	1.7	1.6	1.4	1.2	2.6	2.2	.9	1.1	1.1	.7
Waterbury.....	1.5	2.0	.7	1.3	2.0	1.9	.6	1.0	1.1	.6
DELAWARE ¹	1.6	1.8	.9	1.1	1.8	2.0	.6	.8	.7	.6
Wilmington ¹	1.5	1.6	.8	.8	1.7	1.8	.5	.5	.6	.6
DISTRICT OF COLUMBIA; Washington.....	2.0	2.5	1.7	2.3	2.2	3.1	1.1	2.0	.5	.3
FLORIDA.....	4.1	5.5	2.9	3.8	4.0	3.9	1.9	2.1	1.5	1.2
Jacksonville.....	3.4	3.2	1.8	2.1	4.7	5.5	2.2	2.1	1.4	2.8
Miami.....	4.9	4.4	4.7	3.4	4.4	3.6	1.9	1.8	1.9	1.2
Tampa-St. Petersburg.....	3.9	5.6	2.7	3.6	4.7	4.3	1.7	2.2	2.3	1.7
GEORGIA.....	2.5	3.2	1.7	2.4	2.9	3.6	1.4	1.8	1.0	1.2
Atlanta ²	2.3	2.8	1.8	2.2	3.0	3.5	1.3	1.7	1.0	1.0
HAWAII ³	3.1	3.7	1.5	1.6	2.6	2.4	1.0	.9	.7	1.1
IDAHO ⁴	3.5	2.5	1.5	1.9	4.4	7.3	1.1	1.4	3.0	5.5
INDIANA ¹	2.5	2.4	1.2	1.4	3.4	3.3	.7	.9	2.1	1.9
Indianapolis ⁵	1.6	1.5	1.0	1.1	1.9	2.0	.7	.9	.7	.7
IOWA.....	2.7	2.8	1.4	1.5	3.3	3.0	.9	1.0	2.0	1.6
Des Moines.....	1.5	2.4	.9	1.5	3.6	3.3	1.1	1.2	2.1	1.5
KANSAS.....	2.4	2.9	1.6	2.1	3.3	3.3	.8	1.3	1.9	1.4
Topeka.....	.8	1.1	.6	.9	2.3	2.0	.6	1.1	1.4	.5
Wichita.....	2.2	3.3	1.8	2.7	2.1	2.0	.9	1.1	.7	.4
KENTUCKY.....	4.7	3.0	2.6	1.4	2.6	3.1	.7	.9	1.4	1.7
Louisville.....	1.8	2.1	.9	.9	2.4	3.3	.5	.6	1.4	2.1
LOUISIANA.....	2.4	3.5	1.3	2.1	4.5	3.9	.7	1.0	3.3	2.3
New Orleans ⁶	4.0	4.7	1.3	2.4	5.1	3.9	.7	1.0	3.6	1.4
MAINE.....	3.8	4.2	2.6	3.0	5.2	5.0	1.5	1.9	3.0	2.5
Portland.....	1.5	1.6	1.0	1.2	2.5	2.6	.9	1.0	1.1	1.1
MARYLAND.....	2.6	2.8	1.1	1.5	3.8	4.1	.8	1.1	2.6	2.5
Baltimore.....	2.5	2.7	.9	1.3	3.5	3.7	.7	.9	2.4	2.3

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	
	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963
MASSACHUSETTS.....	2.2	2.8	1.2	1.8	3.5	3.6	0.9	1.3	2.1	1.7
Boston.....	2.0	2.4	1.1	1.4	3.1	3.6	.9	1.2	1.7	1.8
Fall River.....	3.6	3.3	2.0	2.2	4.2	5.7	.8	1.6	2.9	3.5
New Bedford.....	3.0	2.9	.9	1.5	3.3	4.5	.8	1.3	2.0	2.4
Springfield-Chicopee-Holyoke.....	3.0	1.9	1.4	1.3	3.7	3.0	.8	.8	2.4	1.7
Worcester.....	1.7	2.4	1.2	1.9	3.5	3.1	.7	1.2	2.2	1.3
MINNESOTA.....	2.6	2.8	1.2	1.5	5.3	3.5	.9	1.1	3.7	1.8
Duluth-Superior.....	2.6	3.4	.9	1.0	6.4	3.8	.8	.9	5.0	2.2
Minneapolis-St. Paul.....	2.6	2.9	1.2	1.6	5.8	3.5	.8	1.0	4.3	1.6
MISSISSIPPI.....	2.3	3.5	1.4	2.3	3.8	4.4	1.2	1.7	2.2	2.2
Jackson.....	1.7	2.9	1.4	2.4	1.9	3.6	.9	1.6	.7	1.5
MISSOURI.....	2.6	3.1	1.6	2.2	3.2	3.3	1.0	1.2	1.7	1.6
Kansas City.....	2.9	3.2	1.8	2.0	3.0	3.7	1.1	1.3	1.4	1.9
St. Louis.....	2.2	2.7	1.5	1.9	2.9	2.8	.8	.9	1.7	1.5
MONTANA ⁴	2.8	2.7	2.2	2.1	4.1	3.1	1.3	1.5	1.8	1.1
NEBRASKA.....	3.1	3.9	1.9	2.4	4.5	5.7	1.4	1.8	2.4	3.2
NEVADA.....	2.4	3.9	2.0	3.5	4.1	5.7	1.7	2.1	1.6	2.2
NEW HAMPSHIRE.....	3.0	3.9	2.2	2.6	3.2	4.3	1.4	1.9	1.2	1.6
NEW MEXICO.....	2.6	4.0	2.0	2.7	4.6	3.9	1.5	2.0	2.0	.7
Albuquerque.....	2.4	3.2	2.0	2.3	2.2	2.6	1.0	1.2	.4	.5
NEW YORK.....	2.6	3.0	1.2	1.7	5.3	4.5	.7	1.0	4.0	2.9
Albany-Schenectady-Troy.....	2.1	2.2	.8	.9	3.0	2.8	.4	.6	1.6	1.3
Binghamton.....	1.8	1.4	.9	.9	1.7	1.8	.8	.8	.4	.5
Buffalo.....	2.0	2.2	.7	.9	2.5	3.0	.4	.5	1.6	2.1
Elmira.....	1.6	1.9	.7	.9	3.0	4.5	.7	.8	1.9	3.3
Nassau and Suffolk Counties.....	1.8	2.4	1.2	1.6	4.5	3.6	.8	1.1	3.2	2.0
New York City.....	3.3	3.5	1.4	2.2	7.5	5.9	.8	1.0	5.9	4.0
Rochester.....	1.5	1.8	1.0	1.4	1.7	1.7	.5	.7	.9	.6
Syracuse.....	1.7	1.9	.9	.7	2.7	3.8	.8	.8	1.3	1.8
Utica-Rome.....	1.5	2.1	.8	1.0	4.7	2.5	.4	.6	4.0	1.4
Westchester County.....	3.2	4.5	1.8	2.3	5.4	4.5	.9	1.3	4.0	2.6
NORTH CAROLINA.....	1.7	2.8	1.3	2.2	2.9	3.9	1.1	1.6	1.4	1.8
Charlotte.....	1.5	2.8	1.2	2.5	1.8	2.6	1.0	1.9	.3	.3
Greensboro-High Point.....	1.9	2.9	1.7	2.5	2.8	2.9	1.5	1.8	.6	.4
NORTH DAKOTA.....	2.2	3.0	1.3	2.4	7.7	4.6	.5	1.2	6.7	3.1
Fargo-Moorhead.....	1.7	1.8	1.4	1.6	4.3	3.5	.5	.5	3.6	2.9
OKLAHOMA ⁷	2.8	3.7	1.9	2.3	2.8	4.0	1.1	1.5	1.2	1.4
Oklahoma City.....	4.0	4.2	2.5	2.7	3.6	5.7	1.1	2.0	1.5	1.6
Tulsa ⁷	3.8	3.5	2.3	2.5	3.0	3.2	1.3	1.4	1.2	1.1
OREGON ¹	2.8	3.8	2.2	3.2	4.4	5.5	1.3	1.9	2.5	2.9
Portland ¹	2.6	3.0	1.8	2.4	3.1	3.7	1.0	1.1	1.6	2.2
PENNSYLVANIA:										
Lancaster.....	1.3	1.6	.9	1.3	2.2	2.5	.6	.9	1.2	1.2
Philadelphia.....	1.7	2.2	.9	1.2	2.7	3.0	.5	.7	1.7	1.7
Pittsburgh.....	2.2	2.1	.4	.5	2.1	2.2	.2	.3	1.6	1.5
Reading.....	3.3	3.4	2.1	2.6	3.9	2.9	1.0	1.4	2.4	1.1
Scranton.....	2.9	3.4	1.5	1.9	3.5	4.6	.8	1.0	2.0	3.3
York.....	1.7	2.4	.9	1.7	2.4	3.1	.7	1.0	1.3	1.8
RHODE ISLAND.....	3.1	4.1	1.6	2.5	4.5	5.0	1.1	1.8	2.9	2.6
Providence.....	2.9	3.9	1.5	2.3	4.4	4.7	1.1	1.7	2.8	2.4
SOUTH CAROLINA ⁸	2.0	2.9	1.5	2.2	2.5	3.2	1.2	1.7	.7	.9
Charleston.....	3.0	5.1	1.9	2.9	3.5	5.2	1.3	1.5	1.3	2.9
SOUTH DAKOTA.....	3.6	5.8	1.7	3.5	6.8	8.5	1.2	1.9	5.4	6.1
Sioux Falls.....	2.8	2.2	1.0	1.6	2.0	2.6	.9	1.5	.8	.9

See footnotes at end of table.

NOTE: Data for the current month are preliminary.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

66

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	
	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963	Dec. 1963	Nov. 1963
TENNESSEE	1.5	2.1	0.8	1.4	2.9	3.0	0.7	1.0	1.9	1.5
Chattanooga ⁶	1.1	1.9	.7	1.2	2.7	1.9	.6	.8	1.7	.7
Knoxville.....	1.1	1.1	.4	.5	1.0	1.8	.4	.5	.4	1.0
Memphis.....	1.7	2.9	1.5	2.0	3.2	4.7	.8	1.3	1.8	2.5
Nashville.....	1.4	2.3	1.0	1.7	2.4	2.9	.9	1.1	1.2	1.4
TEXAS ⁹	2.1	2.7	1.6	2.0	2.2	3.0	1.0	1.4	.7	1.0
Dallas ⁹	2.7	2.9	2.3	2.5	2.3	3.1	1.2	1.8	.4	.7
Fort Worth ⁹	2.6	3.0	1.9	2.1	2.4	2.9	1.1	1.1	.9	.9
Houston ⁹	1.7	2.2	1.4	1.6	1.8	2.6	.7	1.0	.6	1.0
San Antonio ⁹	1.8	2.2	1.6	1.7	2.3	3.7	1.3	1.8	.7	1.2
VERMONT	1.9	2.1	1.1	1.5	2.3	3.4	.7	.8	1.2	2.1
Burlington.....	1.5	1.6	.7	1.1	3.5	3.5	.8	.8	2.4	1.9
Springfield.....	1.8	1.3	1.2	1.0	1.0	1.2	.5	.5	.1	.4
VIRGINIA	2.3	2.9	1.4	2.0	2.9	3.3	1.0	1.3	1.4	1.4
Norfolk-Portsmouth.....	2.5	3.4	1.6	2.2	2.7	2.8	1.0	.9	1.2	1.5
Richmond.....	2.6	2.4	1.6	1.9	2.2	3.3	1.0	1.3	.5	1.2
Roanoke.....	2.6	2.7	1.4	1.7	2.4	3.5	1.1	1.4	.3	1.4
WASHINGTON ¹⁰	2.3	2.8	1.4	2.0	4.6	3.4	1.1	1.2	3.1	1.6
Seattle ¹⁰	2.2	2.5	1.2	1.7	5.4	2.8	1.0	.9	4.0	1.4
Spokane ¹⁰	2.6	3.1	.8	1.6	5.3	5.1	.4	.9	4.5	3.7
Tacoma ¹⁰	3.1	2.7	2.2	1.8	4.6	4.0	.9	1.0	3.0	2.5
WEST VIRGINIA	2.4	2.5	.9	1.1	3.2	4.0	.4	.6	2.1	2.5
Charleston.....	1.7	2.1	1.1	1.7	1.2	1.1	.2	.4	.7	.4
Huntington-Ashland.....	1.3	1.3	.6	.7	2.6	2.4	.3	.5	1.8	1.3
Wheeling.....	1.1	1.7	.4	.6	6.9	2.8	.3	.4	6.2	2.1
WISCONSIN	2.4	2.8	1.2	1.4	2.9	4.0	.7	1.0	1.6	2.4
WYOMING ⁴	2.3	3.7	1.7	3.1	4.2	6.5	1.2	2.3	2.2	2.2

¹Excludes canning and preserving.

²Excludes agricultural chemicals and miscellaneous manufacturing.

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

⁴Excludes canning and preserving, and sugar.

⁵Excludes canning and preserving, and newspapers.

⁶Excludes printing and publishing.

⁷Excludes new-hire rate for transportation equipment.

⁸Excludes tobacco stemming and redrying.

⁹Excludes canning and preserving, sugar, and tobacco.

¹⁰Excludes canning and preserving, printing and publishing.

NOTE: Data for the current month are preliminary.

SOURCE: Cooperating State agencies listed on inside back cover.

Technical Note

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

INTRODUCTION

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

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

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

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

Relation between the household and payroll series

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

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

Employment

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

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

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

Hours of Work

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

Comparability of the household interview data with other series

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

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

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

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

Comparability of the payroll employment data with other series

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

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

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

Labor Force Data

COLLECTION AND COVERAGE

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

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

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

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

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

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

CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ESTIMATING METHODS

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

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

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

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

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

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

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

Reliability of the Estimates

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

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

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

Table A. Average standard error of major employment status categories

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

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

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

Table B. Standard error of level of monthly estimates

(In thousands)

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

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

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

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

(In thousands)

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

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

Table D. Standard error of percentages

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

Establishment Data

COLLECTION

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

Federal-State Cooperation

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

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

Shuttle Schedules

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

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

CONCEPTS

Industrial Classification

Establishments are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on an industry class supplement to the monthly 790 or 1219 report. In the case of an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

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

Industry Employment

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

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

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

Industry Hours and Earnings

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

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

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

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

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

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

Overtime hours cover premium overtime hours of production and related workers during the pay period which includes the 12th of the month. Overtime hours are those for which premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or workweek. Weekend and holiday hours are included only if premium wage rates were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross Average Hourly and Weekly Earnings

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

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

Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by

changes in gross average hourly earnings, but also by changes in the length of the workweek, part-time work, stoppages for varying causes, labor turnover, and absenteeism.

Average Weekly Hours

The workweek information relates to the average hours for which pay was received, and is different from standard or scheduled hours. Such factors as absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average Overtime Hours

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

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

Railroad Hours and Earnings

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

Spendable Average Weekly Earnings

Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from gross weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents, and a worker with three dependents. The computations are based on the gross average weekly earnings for all production or nonsupervisory workers in the industry division without regard to marital status, family composition, or total family income.

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

Average Hourly Earnings Excluding Overtime

Average hourly earnings excluding premium overtime pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker man-hours and one-half of total overtime man-hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at $1\frac{1}{2}$ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of Aggregate Weekly Payrolls and Man-Hours

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

Labor Turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

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

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

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

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

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

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

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

Comparability With Employment Series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

ESTIMATING METHODS

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

The "Link Relative" Technique

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

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

Benchmark Adjustments

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

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

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

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

THE SAMPLE

Design

The sample design used in the BLS establishment employment and labor turnover statistics programs is that of a modified cutoff sample. In a cutoff design, all establishments in a category are listed in sequence by number of employees. A cutoff point is selected in terms of the number of employees in an establishment, and only establishments above the cutoff point are included in the design. At present, sample selection is made by the co-operating 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 payroll sample, March 1962¹

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

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

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

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

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

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

Reliability of the Employment Estimate

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

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

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

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

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

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

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

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

STATISTICS FOR STATES AND AREAS

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

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

Seasonal Adjustment

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

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

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

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

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

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

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

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

Item	Basic estimating cells (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly Data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers; women employees .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production-or nonsupervisory-worker estimates, or women estimates, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker man-hours divided by number of production or nonsupervisory workers.	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime man-hours divided by number of production workers.	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker man-hours.	Average, weighted by aggregate man-hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates (total, men, and women).	The number of particular actions (e.g., quits) in reporting firms divided by total employment in those firms. The result is multiplied by 100. For men (or women), the number of men (women) who quit is divided by the total number of men (women) employed.	Average, weighted by employment, of the rates for component cells.
Annual Average Data		
All employees and production or non-supervisory 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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ALABAMA	-Department of Industrial Relations, Montgomery 36104
ALASKA	-Employment Security Division, Department of Labor, Juneau 99801
ARIZONA	-Unemployment Compensation Division, Employment Security Commission, Phoenix 85005
ARKANSAS	-Employment Security Division, Department of Labor, Little Rock 72203
CALIFORNIA	-Division of Labor Statistics and Research, Department of Industrial Relations, San Francisco 94101 (Employment). Research and Statistics, Department of Employment, Sacramento 95814 (Turnover).
COLORADO	-U. S. Bureau of Labor Statistics, Denver 80202 (Employment). Department of Employment, Denver 80203 (Turnover).
CONNECTICUT	-Employment Security Division, Department of Labor, Wethersfield 06109
DELAWARE	-Employment Security Commission, Wilmington 19801
DISTRICT OF COLUMBIA	-U. S. Employment Service for D. C., Washington 20212
FLORIDA	-Industrial Commission, Tallahassee 32304
GEORGIA	-Employment Security Agency, Department of Labor, Atlanta 30303
HAWAII	-Department of Labor and Industrial Relations, Honolulu 96813
IDAHO	-Employment Security Agency, Boise 83701
ILLINOIS	-Employment Security Administrator, Department of Labor, Chicago 60606
INDIANA	-Employment Security Division, Indianapolis 46204
IOWA	-Employment Security Commission, Des Moines 50319
KANSAS	-Employment Security Division, Department of Labor, Topeka 66603
KENTUCKY	-Bureau of Employment Security, Department of Economic Security, Frankfort 40601
LOUISIANA	-Division of Employment Security, Department of Labor, Baton Rouge 70804
MAINE	-Employment Security Commission, Augusta 04330
MARYLAND	-Department of Employment Security, Baltimore 21201
MASSACHUSETTS	-Division of Statistics, Department of Labor and Industries, Boston 02108 (Employment). Research and Statistics, Division of Employment Security, Boston 02215 (Turnover).
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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
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NORTH CAROLINA	-Division of Statistics, Department of Labor, Raleigh 27602 (Employment). Bureau of Employment Security Research, Employment Security Commission, Raleigh 27602 (Turnover).
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