

EMPLOYMENT and PAY ROLLS

**DETAILED REPORT
APRIL 1948**

**United States Department of Labor
Bureau of Labor Statistics**

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REVISED ESTIMATES OF EMPLOYMENT

Nonagricultural Divisions

In this Detailed Report the Bureau presents revised estimates of the number of wage and salary workers in nonagricultural establishments. The revised estimates are adjusted to bench-mark data through 1946 made available by the Federal Security Agency.

Each of the industry divisions, with the exception of service, is affected by the present revision. In trade and construction, the revisions start in 1945; in manufacturing, mining, and government the revisions start in January 1946; in transportation and public utilities the revisions affect the data from January 1947 forward. The revised series from January 1945 forward are presented in the supplement beginning on page 24 of this issue.

Major Manufacturing Groups

Also presented in this release are the revised wage and salaried worker estimates and production worker estimates and indexes of production worker employment and weekly pay rolls for each of the major groups. All groups except tobacco were revised. Summaries which include the revised data from January 1946 are shown in the supplement beginning on pages 26 and 31 of this issue. Average hours and earnings were not affected by this adjustment.

Mining Groups

Revised production worker estimates and indexes for the bituminous coal industry are presented in table 15 in the supplement. Employment and pay roll series in the remaining mining industries required no adjustment. Average hours and earnings in the bituminous industry were not affected by the revisions in the employment series.

For the first time this release on page 4 presents estimates of wage and salary workers in the individual mining industries.

NOTE: Summary sheets presenting comparable data from January 1939 to date for each of the series mentioned above are available and will be provided upon request to the Bureau of Labor Statistics. Such requests should specify the series desired.

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Explanatory notes outlining briefly the concepts, methodology, and sources used in preparing data for this report appear in the appendix. See pages i - viii.

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Data for the 2 most recent months shown are subject to revision

2.

Table 1. - Estimated Number of Wage and Salary Workers in
Nonagricultural Establishments, by Industry Division ^{1/}

(In thousands)

Industry division	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
TOTAL	44,279	44,599	44,279	43,221	43,410
Manufacturing	15,896	16,269	16,183	15,750	15,826
Mining	818	922	914	881	906
Contract construction	1,966	1,805	1,731	1,798	1,709
Transportation and public utilities	3,977	4,032	4,019	3,845	4,027
Trade	9,573	9,599	9,520	9,255	9,236
Finance	1,704	1,697	1,690	1,636	1,638
Service	4,768	4,729	4,730	4,552	4,565
Government	5,577	5,546	5,492	5,504	5,503

See explanatory notes, sections A - H.

^{1/} Estimates have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency and are not comparable with data shown in mimeographed releases dated prior to June 1948 or the Monthly Labor Review dated prior to July 1948. Comparable data from January 1945 are presented in table 12 of this report.

Table 2. - Estimated Number of Wage and Salary Workers,
in Manufacturing Industries, by Major Industry Group ^{1/}

(In thousands.)

Major industry group	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
ALL MANUFACTURING	15,896	16,269	16,183	15,750	15,826
<u>Durable goods</u>	8,141	8,258	8,167	8,068	8,071
Iron and steel and their products	1,898	1,929	1,920	1,875	1,875
Electrical machinery	742	756	763	745	789
Machinery, except electrical	1,553	1,587	1,591	1,565	1,552
Transportation equipment, except automobiles	586	589	589	612	608
Automobiles	972	985	914	957	942
Nonferrous metals and their products	475	482	478	498	504
Lumber and timber basic products	829	827	813	750	731
Furniture and finished lumber products	560	576	581	546	554
Stone, clay, and glass products	526	527	518	520	516
<u>Nondurable goods</u>	7,755	8,011	8,016	7,682	7,755
Textile-mill products and other fiber manufactures	1,424	1,435	1,428	1,368	1,388
Apparel and other finished textile products	1,272	1,334	1,333	1,167	1,220
Leather and leather products	417	442	448	424	430
Food	1,533	1,655	1,658	1,609	1,588
Tobacco manufactures	99	100	101	95	100
Paper and allied products	476	480	479	473	475
Printing, publishing, and allied industries	718	722	724	702	699
Chemicals and allied products	766	773	773	764	765
Products of petroleum and coal	237	238	237	227	227
Rubber products	245	253	257	274	277
Miscellaneous industries	568	579	578	579	586

See explanatory notes, section A - H.

^{1/} Estimates have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency and are not comparable with data shown in mimeographed releases dated prior to June 1948 or the Monthly Labor Review dated prior to July 1948. Comparable data from January 1946 are presented in table 13 of this report.

Table 3. - Estimated Number of Wage and Salary Workers
in Selected Nonmanufacturing Industries, by Major Industry Group

(In thousands)

Major industry group	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
Mining <u>1/</u>	818	922	914	881	906
Anthracite	82	82	81	80	82
Bituminous coal	308	419	415	383	412
Metal	102	101	101	102	101
Quarrying and nonmetallic	94	90	87	96	92
Crude petroleum and natural gas production <u>2/</u>	232	230	230	220	219
Transportation and public utilities <u>1/</u>	3,977	4,032	4,019	3,845	4,027
Transportation	2,747	2,808	2,802	2,880	2,863
Communication	731	728	723	495	699
Other public utilities	499	496	494	470	465
Government	5,577	5,546	5,492	5,504	5,503
Federal	1,771	1,758	1,746	1,924	1,946
State and local	3,806	3,788	3,746	3,580	3,557

See explanatory notes, sections A - H.

1/ Estimates have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency and are not comparable with data published in mimeographed releases dated prior to June 1948 or the Monthly Labor Review dated prior to July 1948. Comparable data from January 1939 are available upon request to the Bureau of Labor Statistics.

2/ Includes well drilling and rig building.

Table 4. - Federal Civilian Employment and Pay Rolls in All Areas and in Continental United States, and Total Civilian Government Employment and Pay Rolls in Washington, D. C. 1/

(In thousands)

Area and branch	Employment (as of first of month)			Pay rolls (total for month)		
	1948		1947	1948		1947
	April	March	April	April	March	April
<u>Total (including areas outside United States)</u>						
Total Federal	2,020.8	2,004.3	2,215.4	485,637	498,272	509,243
Executive	1,981.0	1,964.4	2,173.2	476,184	488,676	499,749
Defense agencies	903.8	898.0	1,058.6	210,365	218,706	233,632
Post Office Dept.	449.3	439.5	429.5	103,656	102,124	96,441
Other agencies	627.9	626.9	685.1	162,163	167,846	169,676
Legislative	7.2	7.2	7.2	2,480	2,496	2,440
Judicial	3.5	3.5	3.1	1,322	1,343	1,179
Government corporations	29.1	29.2	31.9	5,651	5,757	5,875
<u>Continental United States</u>						
Total Federal	1,791.8	1,778.6	1,942.9	445,677	456,824	464,974
Executive	1,759.1	1,745.9	1,909.1	436,874	447,901	456,171
Defense agencies	711.0	708.9	822.6	178,409	185,284	196,551
Post Office Dept.	447.7	438.0	428.1	103,295	101,765	96,125
Other agencies	600.4	599.0	658.4	155,170	160,852	163,495
Legislative	7.2	7.2	7.2	2,480	2,496	2,440
Judicial	3.4	3.4	3.0	1,288	1,304	1,143
Government corporations	22.1	22.1	23.6	5,035	5,123	5,220
<u>Washington, D. C.</u>						
Total government	227.6	226.2	243.8	63,163	65,333	66,054
District of Columbia government	18.6	18.7	18.0	4,496	4,518	4,232
Federal	209.0	207.5	225.8	58,667	60,815	61,822
Executive	201.2	199.7	218.0	55,976	58,104	59,180
Defense agencies	66.6	66.0	75.1	17,277	17,900	19,444
Post Office Dept.	7.4	7.4	7.5	2,332	2,340	2,253
Other agencies	127.2	126.3	135.4	36,367	37,864	37,483
Legislative	7.2	7.2	7.2	2,480	2,496	2,440
Judicial	.6	.6	.6	211	215	202

1/ Data for Central Intelligence Agency are excluded starting August 1947 for employment and July 1947 for pay rolls.

Table 5. - Personnel and Pay of the Military Branch of the Federal Government

(In thousands)

Personnel and pay	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
Personnel, total.....	1,404	1,409	1,407	1,777	1,836
Army and Air Force.....	<u>1/</u> 906	<u>1/</u> 909	<u>1/</u> 905	1,148	1,199
Navy.....	399	400	402	504	510
Marine Corps.....	79	80	80	103	105
Coast Guard.....	20	20	20	22	22
Men.....	1,388	1,393	1,390	1,753	1,812
Women.....	16	16	17	24	24
Pay, total.....	\$285,219	\$285,038	\$281,423	\$593,677	\$669,501
<u>By branch:</u>					
Army and Air Force.....	172,859	175,697	170,209	439,635	484,262
Navy.....	93,351	90,459	91,172	126,984	150,284
Marine Corps.....	14,140	14,260	15,582	19,950	24,252
Coast Guard.....	4,869	4,622	4,460	7,108	10,703
<u>By type of pay:</u>					
Pay rolls.....	247,452	242,969	240,493	303,395	302,464
Mustering-out pay.....	9,760	13,077	11,838	17,383	18,292
Family allowances.....	25,414	24,997	23,566	28,499	26,548
Leave payments.....	2,593	3,995	5,526	244,400	322,197
Cash.....	639	905	1,182	19,710	22,911
Bonds.....	1,954	3,090	4,344	224,690	299,286

1/ Air Force personnel, 353,000 in February, 365,000 in March, and 368,000 in April 1948.

Table 6. - Estimated Number of Wage and Salary Workers in Nonagricultural Establishments for Selected States

(In thousands)

State	1948			1947	
	Mar.	Feb.	Jan.	Mar.	Feb.
Connecticut	772	765	769	768	* 767
Illinois	3,144	3,151	3,172	3,095	3,081
Indiana	1,190	1,176	1,185	1,176	1,168
Maryland	686	676	682	667	655
Massachusetts	1,713	1,707	1,711	1,702	1,696
Minnesota	761	763	773	747	741
Montana	133	132	134	129	130
Nevada <u>1/</u>	49	49	50	49	* 48
New Jersey	1,563	1,553	1,561	1,572	1,559
New York	5,400	5,375	5,397	5,385	5,364
Pennsylvania	3,583	3,545	3,566	3,506	3,483
Rhode Island	289	289	289	289	287
Texas	1,663	1,659	1,671	1,610	1,605
Utah	170	169	171	162	163
Vermont <u>1/</u>	94	95	95	96	96
Washington	651	646	648	648	635
Wisconsin	974	972	971	946	936

See explanatory notes, section H and I.

* Revised.

1/ Does not include contract construction.

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Table 7. - Estimated Number of Wage and Salary Workers in Manufacturing Industries, by State

(In thousands)

Region and State	1948			1947		1947
	Mar.	Feb.	Jan.	Mar.	Feb.	1/ Average
New England:						
Maine	111.9	112.2	112.5	115.3	118.0	113.0
New Hampshire	84.4	85.6	85.8	83.0	83.5	81.7
Vermont 2/	38.7	38.8	39.1	41.9	42.7	40.3
Massachusetts	745.7	746.0	747.3	763.5	765.5	742.6
Rhode Island	153.6	154.5	153.5	153.8	154.0	150.1
Connecticut 2/	412.5	412.1	413.2	423.9	* 426.5	415.6
Middle Atlantic:						
New York	1,902.6	1,906.4	1,905.8	1,934.5	1,939.1	1,894.0
New Jersey	753.7	757.8	757.3	768.6	768.4	749.6
Pennsylvania	1,514.1	1,512.3	1,514.6	1,511.8	1,513.2	1,506.1
East North Central:						
Ohio	1,244.0	1,243.9	1,246.0	1,255.4	1,251.3	1,245.3
Indiana	553.3	553.4	556.3	555.8	556.2	556.7
Illinois	1,253.5	1,267.0	1,271.0	1,249.4	1,251.1	1,248.0
Michigan	1,010.9	970.7	1,019.6	1,046.7	1,038.5	1,019.3
Wisconsin 2/	432.5	434.2	433.9	427.9	423.4	434.3
West North Central:						
Minnesota	197.3	198.3	199.3	197.8	* 199.1	199.6
Iowa	148.8	150.5	150.8	147.0	149.4	148.3
Missouri	361.4	363.5	364.5	355.8	359.8	358.1
North Dakota	6.3	6.4	6.6	6.5	6.3	6.7
South Dakota	11.0	11.1	11.2	11.3	11.5	11.4
Nebraska	42.4	43.0	43.8	42.8	42.8	43.7
Kansas	77.6	78.3	80.5	77.8	78.1	79.7
South Atlantic:						
Delaware	46.5	45.9	45.7	45.0	44.6	45.8
Maryland	228.9	228.5	226.9	236.2	237.3	230.3
District of Columbia	17.1	16.8	17.3	17.1	16.9	17.3
Virginia	213.5	213.5	213.6	210.1	210.1	211.8
West Virginia	130.9	130.3	132.4	131.9	132.0	132.3
North Carolina	385.8	380.4	382.2	376.0	375.7	371.7
South Carolina	200.5	196.9	198.3	189.8	189.5	191.9
Georgia	257.3	258.5	259.4	254.0	255.9	252.0
Florida	85.6	86.2	87.2	86.8	88.1	81.8
East South Central:						
Kentucky	129.5	129.4	129.5	129.1	129.9	127.8
Tennessee	252.8	252.8	252.1	249.9	250.9	249.9
Alabama	232.1	232.5	233.6	224.3	225.0	225.5
Mississippi	90.1	90.5	95.5	92.1	93.5	92.9

Table 7. - Estimated Number of Wage and Salary Workers in Manufacturing Industries, by State - Continued

(In thousands)

Region and State	1948			1947		1947
	Mar.	Feb.	Jan.	Mar.	Feb.	1/ Average
West South Central:						
Arkansas	75.4	75.4	75.6	67.9	67.6	72.2
Louisiana	137.2	137.0	140.2	133.2	132.4	138.5
Oklahoma	55.0	55.0	56.4	54.3	54.6	54.8
Texas	337.1	340.2	342.9	324.8	326.0	334.5
Mountain:						
Montana	17.2	17.3	17.7	16.4	16.4	17.7
Idaho	17.8	18.2	18.6	18.4	17.7	19.3
Wyoming	6.2	6.1	6.1	5.8	5.8	6.4
Colorado	55.5	55.1	57.2	53.6	53.5	56.5
New Mexico ^{2/}	8.3	8.7	8.7	9.0	8.5	9.3
Arizona ^{2/}	15.1	14.7	14.3	14.1	13.6	13.8
Utah	23.9	23.9	25.1	23.0	22.5	25.9
Nevada ^{2/}	3.3	3.3	3.3	3.2	3.2	3.4
Pacific:						
Washington	173.7	173.0	173.0	169.2	166.1	176.0
Oregon	110.2	109.2	109.8	114.4	115.2	116.6
California	700.4	703.1	704.8	692.6	693.6	711.6

See explanatory notes, Section H and I.

* Revised.

1/ Annual averages have been computed from the most recent data available and, therefore, may not equal an average computed from the data previously published in this report.

2/ New series based on 1945 Standard Industrial Classification. These series are not strictly comparable with data for Connecticut, Vermont, and Wisconsin published prior to the February 1948 report; for Arizona prior to the March 1948 report, and for Nevada and New Mexico, prior to the current report.

Table 8. - Estimated Number of Production Workers in Manufacturing Industries

(In thousands)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
ALL MANUFACTURING <u>1/</u>	12,791	13,132	13,066	12,772	12,859
Durable goods <u>1/</u>	6,683	6,792	6,711	6,669	6,677
Nondurable goods <u>1/</u>	6,108	6,340	6,355	6,103	6,182
<u>Durable goods</u>					
IRON AND STEEL AND THEIR PRODUCTS <u>1/</u>	1,603	1,634	1,628	1,595	1,597
Blast furnaces, steel works, and rolling mills	511.8	516.1	508.5	489.3	484.4
Gray-iron and semisteel castings	110.7	113.9	114.5	116.4	117.1
Malleable-iron castings	37.2	37.9	37.8	34.3	34.3
Steel castings	68.6	69.3	68.6	66.3	66.2
Cast-iron pipe and fittings	27.5	28.3	28.0	26.6	27.0
Tin cans and other tinware	42.1	44.5	45.7	42.2	41.3
Wire drawn from purchased rods	30.1	30.6	30.9	30.8	30.3
Wirework	41.9	43.4	42.5	41.7	42.5
Cutlery and edge tools	24.4	24.8	24.6	27.2	28.0
Tools (except edge tools, machine tools, files, and saws)	25.5	25.7	25.8	26.8	27.1
Hardware	53.0	54.3	54.1	50.7	51.1
Plumbers' supplies	39.4	40.2	40.0	41.2	40.6
Stoves, oil burners, and heating equipment not elsewhere classified	77.8	83.1	86.5	84.0	85.8
Steam and hot-water heating apparatus and steam fittings	59.5	62.7	63.2	67.7	70.2
Stamped and enameled ware and galvanizing	111.2	114.1	115.1	113.6	115.2
Fabricated structural and ornamental metalwork	60.6	60.7	60.2	59.3	59.1
Metal doors, sash, frames, molding, and trim	10.1	10.5	10.2	9.9	10.1
Bolts, nuts, washers, and rivets	28.9	28.9	28.7	29.0	28.8
Forgings, iron and steel	36.7	37.5	37.6	36.6	36.7
Wrought pipe, welded and heavy-riveted	18.8	19.2	19.1	18.2	17.8
Screw-machine products and wood screws	36.8	36.8	36.6	39.1	39.4
Steel barrels, kegs, and drums	7.7	7.9	8.1	8.5	8.2
Firearms	21.0	20.8	20.4	19.2	19.0
ELECTRICAL MACHINERY <u>1/</u>	563	577	584	577	610
Electrical equipment	364.9	371.7	376.5	374.4	379.4
Radios and phonographs	93.4	97.6	99.2	107.0	110.1
Communication equipment	93.9	96.5	97.2	84.9	109.7

See explanatory notes, sections A, C, and G.

Table 8. - Estimated Number of Production Workers in Manufacturing Industries-Cont'd
(In thousands)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
MACHINERY, EXCEPT ELECTRICAL <u>1/</u>	1,202	1,232	1,237	1,220	1,212
Machinery and machine-shop products	495.9	500.1	502.8	505.5	504.3
Engines and turbines	53.9	54.7	54.4	55.1	55.9
Tractors	44.8	62.2	61.9	55.3	54.9
Agricultural machinery, excluding tractors	76.2	75.9	74.6	64.8	61.3
Machine tools	47.7	49.2	50.4	57.5	58.2
Machine-tool accessories	55.5	55.9	56.3	62.6	64.1
Textile machinery	41.2	41.1	40.8	38.0	37.8
Pumps and pumping equipment	69.9	71.3	73.0	78.0	78.2
Typewriters	24.1	24.9	25.1	23.5	23.4
Cash registers; adding, and calculating machines	46.3	46.1	45.9	40.7	40.0
Washing machines, wringers, and driers, domestic	16.2	16.3	16.5	14.3	13.8
Sewing machines, domestic and industrial	13.8	13.7	13.5	11.6	11.4
Refrigerators and refrigeration equipment	79.9	80.9	81.6	73.3	71.0
TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES <u>1/</u>	462	465	464	486	480
Locomotives	26.6	26.6	26.5	25.1	26.0
Cars, electric- and steam-railroad	54.0	54.4	54.0	55.6	54.0
Aircraft and parts, excluding aircraft engines	137.3	136.1	135.3	141.9	141.2
Aircraft engines	24.8	24.6	24.9	28.1	28.0
Shipbuilding and boatbuilding	122.5	125.8	127.7	143.9	140.4
Motorcycles, bicycles, and parts	14.4	14.8	14.6	12.8	12.8
AUTOMOBILES <u>1/</u>	775	785	720	774	766
NONFERROUS METALS AND THEIR PRODUCTS <u>1/</u>	406	413	409	430	437
Smelting and refining, primary, of nonferrous metals	41.0	40.8	40.2	41.0	41.1
Alloying; and rolling and drawing of nonferrous metals, except aluminum	53.7	54.6	53.1	62.0	62.6
Clocks and watches	28.5	28.8	28.6	28.2	28.2
Jewelry (precious metals) and jewelers' findings	27.1	27.6	27.5	26.3	27.1
Silverware and plated ware	27.5	27.5	27.1	24.2	24.2
Lighting equipment	31.3	33.1	33.9	37.8	38.5
Aluminum manufactures	44.2	45.2	45.2	49.2	50.8
Sheet-metal work, not elsewhere classified	36.0	36.8	36.9	38.8	39.5

See explanatory notes, sections A, C, and G.

Table 8. - Estimated Number of Production Workers in Manufacturing Industries-Cont'd.

(In thousands)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
LUMBER AND TIMBER BASIC PRODUCTS <u>1/</u>	751	749	736	682	664
Sawmills and logging camps	536.5	536.6	526.7	502.8	488.5
Planing and plywood mills	135.3	135.3	134.5	124.7	122.7
FURNITURE AND FINISHED LUMBER PRODUCTS <u>1/</u>	470	485	490	453	466
Mattresses and bedsprings	32.7	34.6	36.2	29.7	31.6
Furniture	239.7	246.9	249.4	229.2	233.6
Wooden boxes, other than cigar	33.8	34.6	35.2	36.5	35.9
Caskets and other morticians' goods	18.9	19.4	19.4	19.6	20.1
Wood preserving	15.1	15.6	15.7	18.2	17.8
Wood, turned and shaped	32.3	33.5	32.9	33.5	33.8
STONE, CLAY, AND GLASS PRODUCTS <u>1/</u>	451	452	443	447	445
Glass and glassware	117.9	117.8	115.1	122.8	121.8
Glass products made from purchased glass	12.4	12.5	12.4	13.3	13.4
Cement	36.6	36.4	36.6	35.4	34.9
Brick, tile, and terra cotta	76.1	75.5	73.7	72.3	71.1
Pottory and related products	56.6	57.6	56.5	56.2	56.2
Gypsum	6.6	6.6	6.6	5.9	5.9
Wallboard, plaster (except gypsum), and mineral wool	12.4	12.4	12.5	10.8	10.8
Lime	9.6	9.5	9.3	9.2	9.0
Marble, granite, slate, and other products	17.9	18.4	17.9	17.8	17.7
Abrasives	17.5	17.5	17.1	19.6	20.1
Asbestos products	21.9	22.0	21.8	21.0	21.4
<u>Nondurable goods</u>					
TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES <u>1/</u>	1,301	1,312	1,306	1,253	1,272
Cotton manufactures, except smallwares	526.4	529.4	525.3	516.8	519.0
Cotton smallwares	14.6	14.9	14.9	15.0	15.6
Silk and rayon goods	111.7	111.6	110.8	105.4	106.7
Woolen and worsted manufactures, except dyeing and finishing	175.0	178.3	179.5	169.9	175.1
Hosiery	139.2	141.2	140.2	134.8	138.2
Knitted cloth	11.8	11.7	11.7	11.3	11.9
Knitted outerwear and knitted gloves	31.0	31.6	31.5	31.6	33.8
Knitted underwear	50.0	50.3	49.8	43.6	43.5
Dyeing and finishing textiles, including woolen and worsted	88.3	88.5	88.9	85.1	86.2
Carpets and rugs, wool	36.6	36.6	36.2	31.4	31.2
Hats, fur-felt	12.7	13.7	13.7	11.9	13.8
Jute goods, except felts	4.3	4.1	4.2	4.3	4.3
Cordage and twine	16.7	17.1	17.2	16.2	16.5

See explanatory notes, sections A, C, and G.

Table 8. - Estimated Number of Production Workers in Manufacturing Industries-Cont'd.

(In thousands)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS 1/	1,103	1,165	1,166	1,018	1,070
Men's clothing, not elsewhere classified	310.0	314.5	311.3	283.5	287.5
Shirts, collars, and nightwear	82.0	82.2	82.0	73.3	74.1
Underwear and neckwear, men's	18.7	19.0	18.7	18.0	18.1
Work shirts	17.8	17.5	16.8	15.7	16.5
Women's clothing, not elsewhere classified	440.0	481.7	485.3	407.5	442.3
Corsets and allied garments	19.2	19.9	20.1	17.6	17.5
Millinery	23.4	27.6	27.9	22.0	26.2
Handkerchiefs	5.1	5.1	5.0	4.8	4.9
Curtains, draperies, and bedspreads	28.0	30.6	33.8	22.3	23.5
Housefurnishings, other than curtains, etc.	28.9	30.4	29.2	29.0	28.7
Textile bags	26.8	27.3	27.8	28.3	29.4
LEATHER AND LEATHER PRODUCTS 1/	372	396	402	381	387
Leather	44.3	45.8	46.8	46.3	46.0
Boot and shoe cut stock and findings	17.7	18.9	19.5	19.4	20.2
Boots and shoes	212.9	229.5	233.1	220.7	224.4
Leather gloves and mittens	12.6	12.5	12.5	12.3	12.7
Trunks and suitcases	13.3	13.9	14.0	13.2	13.6
FOOD 1/	1,047	1,149	1,159	1,142	1,127
Slaughtering and meat packing	99.7	180.9	187.0	167.8	172.5
Butter	35.3	32.8	32.0	35.5	34.0
Condensed and evaporated milk	20.5	19.3	18.8	21.4	20.3
Ice cream	27.1	24.4	23.6	27.6	25.4
Flour	37.4	37.8	38.2	38.5	38.8
Feeds, prepared	26.6	26.3	27.4	28.0	28.5
Cereal preparations	12.2	12.1	12.4	13.1	12.6
Baking	217.5	219.7	217.2	212.2	209.8
Sugar refining, cane	17.9	19.6	20.2	19.0	17.8
Sugar, beet	5.4	5.6	6.5	5.5	5.4
Confectionery	60.7	65.9	70.3	64.2	63.7
Beverages, nonalcoholic	36.1	34.2	32.1	28.5	27.2
Malt liquors	69.8	67.6	66.9	64.9	63.3
Canning and preserving	126.7	122.1	123.4	135.4	129.4
TOBACCO MANUFACTURES 1/	86	87	88	82	86
Cigarettes	33.2	33.2	33.5	32.8	32.9
Cigars	39.8	40.7	40.8	36.5	40.1
Tobacco (chewing and smoking and snuff)	6.8	6.9	6.9	6.5	7.0

See explanatory notes, sections A, C, and G.

Table 8. - Estimated Number of Production Workers in Manufacturing Industries-Cont'd.

(In thousands)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
PAPER AND ALLIED PRODUCTS <u>1/</u>	389	393	392	391	394
Paper and pulp	200.2	200.4	199.7	192.3	193.5
Paper goods, other	56.8	57.3	57.3	58.1	58.0
Envelopes	12.7	12.7	12.5	12.0	12.0
Paper bags	18.0	18.2	18.0	19.4	19.5
Paper boxes	92.7	95.2	96.5	101.6	102.7
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES <u>1/</u>	432	435	438	429	428
Newspapers and periodicals	145.4	144.8	144.1	139.9	138.7
Printing; book and job	175.3	177.5	179.7	176.3	176.7
Lithographing	31.3	31.4	31.8	32.7	32.8
Bookbinding	36.0	37.2	37.4	37.3	37.0
CHEMICALS AND ALLIED PRODUCTS <u>1/</u>	580.	587	588	579	581
Paints, varnishes, and colors	50.1	50.7	51.5	50.2	49.9
Drugs, medicines, and insecticides	64.2	65.2	65.6	69.6	70.0
Perfumes and cosmetics	11.2	11.6	12.1	12.4	13.2
Soap	21.8	24.9	25.4	23.7	23.8
Rayon and allied products	63.5	63.7	63.7	60.9	60.9
Chemicals, not elsewhere classified	198.0	196.3	196.5	195.8	194.3
Explosives and safety fuses	22.1	22.4	22.1	21.2	21.0
Compressed and liquefied gases	10.0	9.9	9.8	9.4	9.2
Ammunition, small-arms <u>2/</u>	7.8	7.8	7.8	6.8	6.7
Fireworks	2.4	2.4	2.6	2.8	2.7
Cottonseed oil	15.2	17.6	19.5	15.5	17.9
Fertilizers	33.4	34.7	32.3	31.8	33.3
PRODUCTS OF PETROLEUM AND COAL <u>1/</u>	164	165	163	157	157
Petroleum refining	110.9	110.8	109.4	105.7	106.7
Coke and byproducts	29.7	30.6	30.3	27.9	27.9
Paving materials	2.1	1.8	1.8	2.6	2.4
Roofing materials	17.4	17.4	17.6	17.0	16.8

See explanatory notes, sections A, C, and G.

Table 8. - Estimated Number of Production Workers in Manufacturing Industries-Cont'd.

(In thousands.)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
RUBBER PRODUCTS <u>1/</u>	198	204	208	222	225
Rubber tires and inner tubes	104.6	108.8	111.6	123.1	125.5
Rubber boots and shoes	22.1	22.6	22.8	23.5	23.8
Rubber goods, other	84.0	85.7	86.5	87.3	88.3
MISCELLANEOUS INDUSTRIES <u>1/</u>	436	447	445	449	455
Instruments (professional and scientific), and fire-control equipment	27.6	27.7	27.7	28.3	28.3
Photographic apparatus	38.4	38.8	39.0	36.2	35.9
Optical instruments and ophthalmic goods	27.0	27.2	27.4	29.7	30.1
Pianos, organs, and parts	13.2	14.6	15.7	15.1	15.3
Games, toys, and dolls	40.3	38.5	36.3	33.7	32.6
Buttons	13.1	13.8	13.4	12.9	13.3
Fire extinguishers	2.7	2.6	2.5	3.0	3.2

See explanatory notes, sections A, C, and G.

1/ Estimates for the major industry groups have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency. Data currently presented are not comparable with data shown in mimeographed releases dated prior to June 1948 or the Monthly Labor Review dated prior to July 1948. Comparable data from January 1946 are presented in table 14 of this report. In the transportation equipment except automobiles, and the tobacco major industry groups, the individual industry data are adjusted to 1939 Census of Manufactures levels only. Except in these two groups, all individual industry data are adjusted to levels indicated by data through 1945 of the Federal Security Agency.

2/ Revisions have been made as follows in the data for earlier months:
Ammunition, small-arms - January 1948 to 7.7.

Table 9. - Estimated Number of Employees in
Selected Nonmanufacturing Industries ^{1/}
(In thousands)

Industry group and industry	1948			1947	
	Apr.	Mar.	Feb.	Apr.	Mar.
MINING: ^{2/} ^{3/}					
Coal:					
Anthracite	76.9	77.4	76.6	75.6	77.2
Bituminous coal	295	400	397	367	395
Metal	90.9	90.7	90.2	91.1	90.2
Iron	32.3	31.5	31.0	31.1	29.8
Copper	26.8	26.9	27.0	25.6	25.6
Lead and zinc	15.8	15.7	15.7	18.1	18.4
Gold and silver	8.5	8.7	8.7	8.4	8.4
Miscellaneous	7.6	7.8	7.8	7.9	7.8
Quarrying and nonmetallic	84.9	80.9	77.8	86.3	82.6
Crude petroleum and natural gas production ^{4/}	128.2	127.1	127.1	124.7	123.9
TRANSPORTATION AND PUBLIC UTILITIES:					
Class I steam railroads ^{5/}	1,260	1,315	1,311	1,345	1,325
Street railways and busses ^{6/}	249	249	249	254	254
Telephone	631	627	623	404	599
Telegraph ^{7/}	36.9	36.9	36.8	39.3	37.9
Electric light and power	273	271	269	256	254
SERVICE:					
Hotels (year-round)	377	375	377	379	378
Power laundries ^{2/}	232	231	230	242	241
Cleaning and dyeing ^{2/}	92.5	90.0	86.8	95.4	93.1

See explanatory notes, section G.

^{1/} Includes all employees unless otherwise noted.

^{2/} Includes production and related workers only.

^{3/} Estimates have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency. Only the bituminous coal industry was affected by this adjustment and comparable data from January 1946 are presented in table 15 of this report. Comparable data for all industries from January 1939 are available upon request to the Bureau of Labor Statistics.

^{4/} Does not include well drilling or rig building.

^{5/} Includes all employees at middle of month. Excludes employees of switching and terminal companies. Class I steam railroads include those with over \$1,000,000 annual revenue. Source: Interstate Commerce Commission.

^{6/} Includes private and municipal street-railway companies and affiliated, subsidiary, or successor trolley-bus and motor-bus companies.

^{7/} Includes all land-line employees except those compensated on a commission basis. Excludes general and divisional headquarters personnel, trainees in school, and messengers.

Table 10. - Indexes of Production-Worker Employment and Weekly Pay Rolls
in Manufacturing Industries
(1939 Average = 100)

Industry group and industry	Employment indexes				Pay-roll indexes			
	1948			1947	1948			1947
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
ALL MANUFACTURING <u>1/</u>	156.1	160.3	159.5	155.9	346.5	358.2	354.1	317.6
Durable goods <u>1/</u>	185.1	188.1	185.8	184.7	392.2	401.7	393.1	359.0
Nondurable goods <u>1/</u>	133.3	138.4	138.7	133.2	301.8	315.7	316.0	277.2
<u>Durable goods</u>								
IRON AND STEEL AND THEIR PRODUCTS <u>1/</u>	161.7	164.8	164.2	160.9	329.6	340.8	337.6	301.5
Blast furnaces, steel works, and rolling mills	131.8	132.9	130.9	126.0	253.0	260.9	257.5	221.0
Gray-iron and semisteel castings	177.9	183.0	184.0	187.1	394.6	421.7	414.9	399.5
Malleable-iron castings	193.6	197.0	196.7	178.6	453.0	469.7	467.6	393.6
Steel castings	214.1	216.3	214.2	206.8	453.2	456.8	442.3	389.2
Cast-iron pipe and fittings	156.1	160.8	159.1	151.3	360.5	385.2	375.4	355.1
Tin cans and other tinware	132.4	140.0	143.8	132.7	274.9	289.8	302.4	249.9
Wire drawn from purchased rods	137.1	139.4	140.5	140.4	255.3	269.1	268.7	249.0
Wirework	137.9	142.9	139.9	137.1	302.0	316.4	309.0	272.0
Cutlery and edge tools	158.4	160.6	159.4	176.2	375.4	381.6	377.2	390.4
Tools (except edge tools, machine tools, files, and saws)	166.7	167.9	168.8	174.9	372.4	378.4	379.0	363.4
Hardware	148.6	152.5	151.7	142.1	342.2	355.1	353.5	302.9
Plumbers' supplies	150.3	153.2	152.6	157.2	322.2	329.0	320.3	299.1
Stoves, oil burners, and heating equipment not elsewhere classified	158.2	169.1	175.9	170.9	345.4	368.6	387.2	347.8
Steam and hot-water heating apparatus and steam fittings	184.4	194.2	195.7	209.6	392.1	416.5	425.1	411.3
Stamped and enameled ware and galvanizing	189.6	192.8	194.6	192.4	439.8	447.0	447.4	407.1
Fabricated structural and ornamental metalwork	170.7	170.9	169.4	166.9	340.6	343.4	335.4	308.9
Metal doors, sash, frames, molding, and trim	130.6	135.4	131.2	127.5	283.9	292.2	276.9	255.8
Bolts, nuts, washers, and rivets	189.8	190.0	188.2	190.5	416.7	422.4	406.0	364.1
Forgings, iron and steel	223.9	228.8	229.5	223.6	467.6	487.5	496.2	440.6
Wrought pipe, welded and heavy-riveted	210.8	215.5	214.6	204.3	437.7	455.3	443.2	364.2
Screw-machine products and wood screws	204.4	203.9	203.2	216.7	452.0	456.5	452.1	447.6
Steel barrels, kegs, and drums	119.5	121.9	125.5	131.6	298.1	302.0	300.5	313.7
Firearms	395.1	390.0	383.9	361.0	906.0	911.3	872.2	747.7
ELECTRICAL MACHINERY <u>1/</u>	217.4	222.9	225.4	222.6	444.3	459.1	465.1	403.6
Electrical equipment	199.8	203.5	206.1	205.0	408.1	419.6	424.0	376.2
Radios and phonographs	212.2	221.9	225.5	243.3	468.5	488.4	495.6	485.8
Communication equipment	289.3	297.4	299.3	261.5	551.2	578.6	593.7	415.9

See explanatory notes, sections A, C, F, and G.

Table 10. - Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued

Industry (group and industry)	Employment indexes				Pay-roll indexes			
	1948			1947	1948			1947
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
MACHINERY, EXCEPT ELECTRICAL 1/	227.4	233.1	234.0	230.9	463.8	475.2	471.9	431.0
Machinery and machine-shop products	238.8	240.9	242.2	243.5	493.6	496.4	495.5	456.4
Engines and turbines	289.1	293.3	291.6	295.5	611.7	632.3	622.1	578.4
Tractors	143.4	198.8	197.9	177.0	248.9	353.8	351.2	289.9
Agricultural machinery, excluding tractors	267.0	266.1	261.6	227.1	571.9	576.3	550.5	425.3
Machine tools	130.4	134.5	137.6	156.9	240.2	249.2	254.4	271.2
Machine-tool accessories	214.8	216.6	218.0	242.4	392.6	388.9	398.0	408.8
Textile machinery	188.3	187.6	186.2	173.6	436.0	437.8	420.9	353.3
Pumps and pumping equipment	280.9	286.8	293.5	313.7	610.0	617.7	627.0	619.1
Typewriters	148.7	153.5	154.9	145.2	336.8	347.5	357.6	297.0
Cash registers; adding, and calculating machines	235.2	234.2	233.4	206.8	504.7	499.9	489.0	417.8
Washing machines, wringers, and driers, domestic	217.0	218.4	221.1	191.1	465.3	454.0	470.4	379.6
Sewing machines, domestic and industrial	175.9	174.8	172.5	147.5	409.9	414.5	404.0	297.6
Refrigerators and refrigeration equipment	227.3	230.1	232.2	208.5	450.4	453.9	433.7	390.1
TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES 1/	290.9	292.7	292.6	306.5	601.4	600.4	593.3	576.9
Locomotives	410.5	411.3	409.1	388.0	916.8	908.6	869.2	705.4
Cars, electric- and steam-railroad	220.2	221.8	220.2	226.6	484.9	490.3	479.5	457.7
Aircraft and parts, excluding aircraft engines	346.0	342.9	341.1	357.6	695.2	675.9	667.3	657.2
Aircraft engines	278.4	276.9	280.1	315.8	481.0	473.9	469.4	487.6
Shipbuilding and boatbuilding	176.8	181.6	184.4	207.8	373.6	383.7	385.4	399.1
Motorcycles, bicycles, and parts	206.0	211.7	209.4	184.0	418.2	426.5	420.6	349.0
AUTOMOBILES 1/	192.7	195.1	178.9	192.5	382.5	394.4	357.6	349.5
NONFERROUS METALS AND THEIR PRODUCTS 1/	176.9	180.0	178.5	187.8	368.3	377.1	372.9	359.8
Smelting and refining; primary, of nonferrous metals	148.4	147.8	145.4	148.4	314.1	307.2	303.7	284.3
Alloying; and rolling and drawing of nonferrous metals, except aluminum	138.3	140.6	136.9	159.7	271.7	283.5	273.2	296.3
Clocks and watches	140.7	141.9	141.1	138.8	336.6	339.1	333.4	300.8
Jewelry (precious metals) and jewelers' findings	187.6	191.0	190.4	181.9	377.7	391.8	396.2	336.8
Silverware and plated ware	226.8	226.5	223.1	199.2	529.4	543.3	525.6	433.8
Lighting equipment	152.7	161.7	165.4	184.6	308.3	328.4	333.7	331.2
Aluminum manufactures	187.7	192.1	192.0	209.0	356.8	362.0	366.8	371.1
Sheet-metal work, not elsewhere classified	192.0	196.4	196.9	206.7	417.8	433.0	429.7	410.8

See explanatory notes, sections A, C, F, and G.

Table 10. - Indexes of Production-Worker Employment and Weekly Pay Rolls
in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1948		1947		1948		1947	
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
LUMBER AND TIMBER BASIC PRODUCTS <u>1/</u>	178.7	178.3	175.0	162.3	425.2	427.6	417.2	352.0
Sawmills and logging camps	171.1	171.1	167.9	160.3	405.2	412.4	401.1	350.5
Planing and plywood mills	171.1	171.1	170.1	157.7	412.9	403.8	402.5	333.9
FURNITURE AND FINISHED LUMBER PRODUCTS <u>1/</u>	143.4	147.8	149.2	139.6	333.0	349.2	350.2	303.7
Mattresses and bedsprings	159.4	168.8	176.7	144.8	336.4	363.2	385.0	281.7
Furniture	134.7	138.8	140.2	128.9	314.6	330.9	333.6	282.2
Wooden boxes, other than cigar	119.3	122.2	124.3	128.9	286.4	300.1	292.2	298.4
Caskets and other morticians' goods	135.6	139.8	139.6	140.6	277.6	292.1	291.0	273.5
Wood preserving	120.5	124.3	124.8	144.5	316.1	310.5	292.1	371.9
Wood, turned and shaped	133.4	136.2	133.7	136.2	310.4	317.4	307.3	289.6
STONE, CLAY, AND GLASS PRODUCTS <u>1/</u>	153.7	153.9	150.9	152.4	337.9	336.6	321.4	301.4
Glass and glassware	165.2	165.2	161.3	172.2	355.3	358.2	340.0	334.7
Glass products made from purchased glass	123.4	124.8	123.8	132.8	259.9	267.6	267.0	262.5
Cement	150.5	149.3	150.3	145.5	300.4	290.7	286.1	248.1
Brick, tile, and terra cotta	131.1	130.1	126.9	124.5	305.6	297.1	279.0	257.0
Pottery and related products	167.2	170.2	166.9	166.0	348.7	352.9	337.4	317.1
Gypsum	132.8	134.3	133.8	119.6	298.6	285.4	278.4	230.6
Wallboard, plaster (except gypsum), and mineral wool	153.5	153.1	154.1	132.8	396.4	390.1	375.5	305.9
Lime	101.6	100.0	98.0	97.6	273.3	262.1	243.8	231.5
Marble, granite, slate, and other products	96.6	99.3	96.5	96.2	176.6	179.3	169.5	166.7
Abrasives	226.3	226.4	221.0	253.7	474.9	487.0	457.4	442.6
Asbestos products	137.5	138.2	137.4	132.5	328.9	327.0	322.3	301.4
<u>Nondurable goods</u>								
TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES <u>1/</u>	113.7	114.7	114.2	109.5	307.1	315.6	310.6	261.6
Cotton manufactures, except smallwares	125.8	126.6	125.6	123.5	374.7	385.1	377.0	329.2
Cotton smallwares	103.6	105.8	105.8	106.9	243.0	249.1	249.3	229.8
Silk and rayon goods	88.2	88.1	87.6	83.2	267.4	267.8	262.4	213.3
Woolen and worsted manufactures, except dyeing and finishing	111.0	113.1	113.9	107.8	308.6	322.1	321.1	260.6
Hosiery	82.8	84.1	83.5	80.2	189.2	197.6	190.5	159.5
Knitted cloth	101.9	101.4	101.8	98.0	237.1	243.3	242.6	205.6
Knitted outerwear and knitted gloves	104.4	106.4	106.0	106.3	242.8	249.9	250.3	228.3
Knitted underwear	122.7	123.5	122.2	107.1	320.3	323.7	311.0	243.6
Dyeing and finishing textiles, including woolen and worsted	125.0	125.2	125.8	120.5	305.6	308.8	311.2	265.1
Carpets and rugs, wool	135.4	135.5	134.0	116.2	324.2	327.9	321.8	240.4
Hats, fur-felt	82.7	89.3	89.0	77.7	176.4	197.5	202.2	159.9
Jute goods, except felts	112.8	109.3	110.3	112.4	275.9	264.2	265.7	262.3
Cordage and twine	130.9	134.1	134.7	127.2	311.4	330.4	337.6	286.8

See explanatory notes, sections A, C, F, and G.

Table 10. - Indexes of Production-Worker Employment and Weekly Pay Rolls
in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1948			1947	1948			1947
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS <u>1/</u>	139.8	147.5	147.7	128.9	306.5	343.2	345.2	267.2
Men's clothing, not elsewhere classified	135.0	137.0	135.5	123.5	317.1	324.8	316.4	267.1
Shirts, collars, and nightwear	110.9	111.2	110.8	99.1	274.6	279.7	272.0	227.3
Underwear and neckwear, men's	110.4	112.0	110.3	105.9	297.5	313.7	300.0	256.8
Work shirts	126.3	123.7	119.0	111.0	315.8	302.5	284.6	257.7
Women's clothing, not elsewhere classified	153.7	168.3	169.5	142.4	307.1	376.4	387.1	277.7
Corsets and allied garments	102.4	106.1	107.0	93.9	229.1	241.6	237.7	197.8
Millinery	91.6	108.1	109.2	86.4	172.4	214.1	238.5	137.7
Handkerchiefs	99.8	99.6	97.9	94.8	251.5	259.4	243.4	212.2
Curtains, draperies, and bedspreads	157.7	172.1	190.5	125.7	348.2	397.0	431.4	252.9
Housefurnishings, other than curtains, etc.	258.9	272.0	261.5	259.4	577.2	609.2	572.9	530.1
Textile bags	212.4	216.9	220.2	224.3	446.4	449.3	461.7	449.9
LEATHER AND LEATHER PRODUCTS <u>1/</u>	107.1	114.1	115.8	109.9	227.1	251.7	262.5	228.8
Leather	88.5	91.6	93.6	92.6	184.1	192.1	201.6	183.7
Boot and shoe cut stock and findings	88.7	94.7	97.8	97.3	173.4	187.9	198.6	179.2
Boots and shoes	92.2	99.4	101.0	95.6	198.1	225.6	235.9	205.3
Leather gloves and mittens	125.9	125.4	124.9	123.2	250.2	252.8	252.2	227.1
Trunks and suitcases	160.1	166.4	168.6	158.6	347.2	364.1	366.9	312.7
FOOD <u>1/</u>	122.6	134.5	135.6	133.6	266.5	285.8	288.5	259.8
Slaughtering and meat packing	73.9	134.0	138.5	124.3	178.4	276.6	263.3	227.2
Butter	175.3	162.8	158.8	176.4	362.0	330.3	332.7	342.7
Condensed and evaporated milk	188.3	177.2	172.5	196.9	438.1	403.0	388.1	410.8
Ice cream	153.9	138.5	133.8	156.9	286.4	261.3	250.9	272.0
Flour	134.7	136.0	137.5	138.7	286.8	275.8	298.3	289.0
Feeds, prepared	153.9	152.0	158.7	162.3	337.1	329.6	314.7	323.7
Cereal preparations	146.4	144.7	147.8	157.0	313.0	297.8	322.2	296.8
Baking	114.3	115.4	114.1	111.4	227.6	227.1	234.1	203.4
Sugar refining, cane	112.7	123.2	127.2	119.7	229.1	248.4	232.3	239.3
Sugar, beet	46.9	48.4	56.3	47.6	96.7	98.9	126.7	86.1
Confectionery	109.0	118.3	126.2	115.3	241.2	260.1	303.1	233.4
Beverages, nonalcoholic	151.3	143.6	134.9	119.8	257.9	241.0	226.7	191.3
Malt liquors	172.4	167.0	165.5	160.5	316.0	293.0	239.9	269.6
Canning and preserving	84.3	81.2	82.1	90.1	216.9	204.6	216.5	211.7
TOBACCO MANUFACTURES <u>1/</u>	92.3	93.4	93.9	87.5	205.9	204.5	195.7	181.6
Cigarettes	121.0	121.0	122.1	119.8	254.1	246.3	219.2	218.4
Cigars	78.3	80.0	80.1	71.8	176.4	180.2	182.9	160.3
Tobacco (chewing and smoking) and snuff	74.6	74.7	75.7	71.2	156.1	154.1	156.5	139.4

See explanatory notes, sections A, C, F, and G.

Table 10. - Indexes of Production-Worker Employment and Weekly Pay Rolls
in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1948		1947		1948		1947	
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
PAPER AND ALLIED PRODUCTS <u>1/</u>	146.8	148.0	147.8	147.5	325.7	330.8	328.9	296.0
Paper and pulp	145.3	145.5	144.9	139.6	327.7	330.0	328.3	284.4
Paper goods, other	150.4	152.0	151.9	154.1	324.4	327.8	326.6	301.9
Envelopes	145.6	145.7	143.9	137.6	282.1	283.7	282.8	260.9
Paper bags	162.3	164.1	162.0	174.4	365.3	373.7	357.8	343.6
Paper boxes	133.7	137.3	139.1	146.6	292.5	305.4	307.1	290.3
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES <u>1/</u>	131.8	132.8	133.5	130.9	259.5	258.5	254.7	234.9
Newspapers and periodicals	122.5	122.0	121.4	117.9	235.0	229.2	224.6	202.1
Printing; book and job	137.4	139.1	140.8	138.1	278.6	280.0	278.6	255.2
Lithographing	119.0	119.5	121.2	124.5	221.4	227.2	219.0	219.9
Bookbinding	139.5	144.5	145.1	144.7	304.4	313.4	307.7	312.5
CHEMICALS AND ALLIED PRODUCTS <u>1/</u>	201.4	203.6	204.2	200.8	422.1	425.1	425.6	385.2
Paints, varnishes, and colors	177.1	179.4	182.1	177.4	329.4	332.9	338.5	309.8
Drugs, medicines, and insecticides	233.2	236.9	238.3	252.8	477.4	487.6	489.2	462.4
Perfumes and cosmetics	107.2	111.0	116.2	119.5	213.5	220.4	231.2	219.0
Soap	142.9	163.1	165.3	155.6	321.8	359.0	376.4	298.7
Rayon and allied products	131.4	131.8	131.0	126.0	274.6	271.9	270.2	249.3
Chemicals, not elsewhere classified	283.2	280.8	281.0	280.0	564.8	558.6	559.2	511.6
Explosives and safety fuses	303.7	306.8	303.3	290.7	561.5	585.0	587.8	470.9
Compressed and liquefied gases	252.4	250.1	246.2	237.0	483.7	473.6	475.5	412.9
Ammunition, small-arms <u>2/</u>	182.9	182.8	182.2	158.0	395.6	396.8	388.7	337.5
Fireworks	209.3	203.9	221.8	245.0	566.0	625.8	610.2	719.5
Cottonseed oil	99.5	115.0	127.7	101.3	270.2	316.4	338.0	247.8
Fertilizers	177.4	184.4	171.5	169.0	482.9	492.3	439.6	440.1
PRODUCTS OF PETROLEUM AND COAL <u>1/</u>	154.9	155.4	153.9	147.8	316.7	320.0	315.4	269.7
Petroleum refining	151.5	151.3	149.5	144.3	301.3	299.3	295.0	254.7
Coke and byproducts	137.0	141.1	139.6	128.5	294.4	321.1	316.0	252.2
Paving materials	87.4	75.3	73.2	105.2	198.2	163.4	151.9	198.8
Roofing materials	214.6	215.3	217.5	210.6	495.6	502.7	500.7	445.5

See explanatory notes, sections A, C, F, and G.

Table 10. - Indexes of Production-Worker Employment and Weekly Pay Rolls
in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1948			1947	1948			1947
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
RUBBER PRODUCTS ^{1/}	163.8	168.9	172.0	183.2	312.8	320.6	337.2	363.1
Rubber tires and inner tubes	192.9	200.7	205.8	227.0	323.6	330.2	355.9	414.2
Rubber boots and shoes	149.0	152.4	153.8	158.4	333.9	347.0	345.0	333.3
Rubber goods, other	161.9	165.3	166.9	168.4	347.1	356.2	366.2	348.4
MISCELLANEOUS INDUSTRIES ^{1/}	178.4	182.6	181.9	183.7	382.6	394.0	393.9	368.8
Instruments (professional and scientific), and fire-control equipment	244.1	244.6	245.2	249.9	494.2	489.3	487.1	454.0
Photographic apparatus	217.1	219.8	220.9	204.7	416.2	422.3	424.2	376.2
Optical instruments and ophthalmic goods	226.9	229.1	230.0	249.4	438.1	444.8	446.3	449.4
Pianos, organs, and parts	169.0	188.0	201.5	193.8	352.8	393.1	421.1	408.1
Games, toys, and dolls	210.7	201.2	189.9	176.5	487.6	463.7	450.1	380.9
Buttons	116.3	122.6	119.4	114.8	269.4	284.3	285.5	247.3
Fire extinguishers	266.8	258.6	249.3	291.9	575.5	541.0	523.2	527.1

See explanatory notes, sections A, C, F, and G.

^{1/} Indexes for the major industry groups have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency. Data currently presented are not comparable with data shown in mimeographed releases dated prior to June 1948 or the Monthly Labor Review dated prior to July 1948. Comparable data from January 1946 are presented in table 14 of this report. In the transportation equipment except automobiles, and the tobacco major industry groups, the individual industry data are adjusted to 1939 Census of Manufactures levels only. Except in these two groups, all individual industry data are adjusted to levels indicated by data through 1945 of the Federal Security Agency.

^{2/} Revisions have been made as follows in the indexes for earlier months:
Ammunition, small-arms - January 1948 employment to 178.7; pay roll to 380.5.

Table 11. - Indexes of Employment and Weekly Pay Rolls in Selected Nonmanufacturing Industries

(1939 Average = 100)

Industry group and industry	Employment indexes				Pay-roll indexes			
	1948		1947		1948		1947	
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
MINING: 1/								
Coal:								
Anthracite	91.9	92.6	91.6	90.4	195.4	255.9	232.8	175.5
Bituminous coal	79.3	107.7	106.8	98.6	166.1	341.4	320.0	225.8
Metal	98.1	97.9	97.4	98.4	199.0	199.4	201.7	178.3
Iron	152.8	149.4	146.8	147.4	315.6	313.8	310.3	264.6
Copper	107.2	107.9	108.2	102.6	232.6	234.8	241.7	199.2
Lead and zinc	97.1	96.5	96.2	111.3	226.3	222.9	225.1	238.4
Gold and silver	32.5	33.3	33.4	32.2	55.2	56.7	58.4	50.9
Miscellaneous	180.5	186.7	187.0	188.0	334.3	340.3	347.4	308.2
Quarrying and nonmetallic	124.0	118.2	113.7	126.0	311.7	287.3	262.0	285.1
Crude petroleum and natural gas production	112.0	111.1	111.1	108.9	218.4	213.2	219.9	190.8
TRANSPORTATION AND PUBLIC UTILITIES:								
Class I steam railroads 2/	127.5	133.3	132.7	136.1	3/	3/	3/	3/
Street railways and busses	128.3	128.7	128.6	130.9	227.1	232.6	234.7	218.8
Telephone	198.5	197.4	196.2	127.2	322.5	314.7	316.3	136.1
Telegraph	97.9	98.2	97.8	104.5	224.8	213.0	212.6	239.3
Electric light and power	111.7	110.9	110.3	104.8	183.6	184.4	188.2	166.5
TRADE: 4/								
Wholesale	114.8	115.3	116.1	110.5	210.8	210.8	214.9	190.8
Retail	112.8	113.5	111.8	111.5	210.6	209.9	208.4	192.9
Food	116.1	116.7	113.9	113.7	225.5	226.1	221.5	202.8
General merchandise	123.6	124.5	122.9	122.9	225.5	225.5	221.4	210.4
Apparel	114.3	116.8	108.2	114.7	208.6	208.8	194.3	200.7
Furniture and housefurnishings	91.7	91.9	91.0	84.6	175.5	173.7	177.8	148.1
Automotive	106.7	105.8	105.7	98.7	203.5	197.5	196.8	175.2
Lumber and building materials	121.9	119.4	118.8	116.3	234.9	228.6	227.6	204.0
SERVICE:								
Hotels (year-round) 5/	116.9	116.4	116.8	117.5	233.4	229.0	233.2	219.4
Power laundries	118.3	117.7	117.6	123.6	231.5	227.5	225.4	227.3
Cleaning and dyeing	159.0	154.8	149.3	164.1	308.0	291.2	271.9	299.4

See footnotes, table 9, and explanatory notes, sections F and G.

1/ See footnote 3, table 9.

2/ Source: Interstate Commerce Commission.

3/ Not available.

4/ Includes all nonsupervisory employees and working supervisors.

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

Table 12. - Revised Estimates of Employees in Nonagricultural Establishments, by Industry
Division 1/, January 1945 -February 1946.
(in thousands)

Year and month	Total	Manufacturing	Mining	Construction	Transportation and public utilities	Trade	Finance	Service	Government	Year and month
1945	40,069	15,302	826	1,132	3,872	7,665	1,394	3,891	5,967	1945
1946	41,494	14,515	852	1,661	4,023	8,820	1,586	4,430	5,607	1946
1947	43,970	15,901	911	1,921	4,060	9,450	1,656	4,622	5,449	1947
<u>1945</u>										<u>1945</u>
Jan..	40,878	16,753	848	950	3,780	7,450	1,357	3,725	6,015	Jan.
Feb..	40,945	16,801	845	959	3,811	7,423	1,356	3,725	6,023	Feb.
Mar..	41,111	16,728	844	1,002	3,859	7,520	1,361	3,750	6,067	Mar.
Apr..	40,853	16,528	806	1,053	3,843	7,425	1,368	3,768	6,062	Apr.
May..	40,719	16,292	769	1,093	3,858	7,470	1,374	3,797	6,066	May
June.	40,707	16,061	843	1,147	3,906	7,475	1,391	3,870	6,014	June
July.	40,401	15,693	832	1,187	3,927	7,473	1,404	3,883	6,002	July
Aug..	40,127	15,343	832	1,232	3,922	7,482	1,410	3,898	6,008	Aug.
Sept.	38,407	13,414	833	1,232	3,876	7,710	1,404	3,916	6,022	Sept.
Oct..	38,369	13,307	762	1,252	3,861	7,940	1,416	4,041	5,790	Oct.
Nov..	38,833	13,367	843	1,266	3,912	8,219	1,432	4,126	5,668	Nov.
Dec..	39,481	13,331	855	1,215	3,932	8,634	1,456	4,196	5,862	Dec.
<u>1946</u>										<u>1946</u>
Jan..	39,112	13,524	861	1,220	3,932	8,230	1,490	4,242	5,613	Jan.
Feb..	38,576	12,798	857	1,251	3,943	8,301	1,513	4,284	5,629	Feb.
Mar..	39,737	13,510	859	1,375	3,983	8,466	1,542	4,332	5,670	Mar.
Apr..	40,548	14,147	547	1,528	3,991	8,633	1,567	4,474	5,661	Apr.
May..	40,909	14,235	765	1,617	3,946	8,618	1,586	4,448	5,694	May
June.	41,406	14,493	884	1,701	3,996	8,682	1,607	4,430	5,614	June
July.	41,676	14,681	901	1,802	4,051	8,708	1,615	4,426	5,492	July
Aug..	42,337	15,062	915	1,887	4,103	8,810	1,624	4,430	5,506	Aug.
Sept.	42,769	15,245	912	1,923	4,064	8,957	1,611	4,456	5,601	Sept.
Oct..	43,048	15,303	911	1,910	4,093	9,139	1,621	4,514	5,557	Oct.
Nov..	43,574	15,541	912	1,887	4,101	9,437	1,625	4,555	5,516	Nov.
Dec..	44,234	15,642	901	1,826	4,071	9,865	1,628	4,573	5,728	Dec.
<u>1947</u>										<u>1947</u>
Jan..	43,063	15,677	910	1,690	4,018	9,160	1,626	4,527	5,455	Jan.
Feb..	43,169	15,783	907	1,668	4,016	9,143	1,628	4,561	5,463	Feb.
Mar..	43,410	15,826	906	1,709	4,027	9,236	1,638	4,565	5,503	Mar.
Apr..	43,221	15,750	881	1,798	3,845	9,255	1,636	4,552	5,504	Apr.
May..	43,345	15,568	910	1,865	3,981	9,277	1,643	4,590	5,510	May
June.	43,816	15,672	919	1,957	4,129	9,324	1,650	4,711	5,454	June
July.	43,686	15,580	890	2,043	4,155	9,316	1,675	4,686	5,341	July
Aug..	44,125	15,962	923	2,096	4,163	9,356	1,668	4,619	5,318	Aug.
Sept.	44,513	16,175	921	2,107	4,134	9,471	1,668	4,634	5,403	Sept.
Oct..	44,758	16,209	922	2,099	4,097	9,684	1,671	4,662	5,414	Oct.
Nov..	44,918	16,256	923	2,046	4,077	9,886	1,673	4,670	5,387	Nov.
Dec..	45,618	16,354	925	1,978	4,071	10,288	1,676	4,688	5,638	Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 12. - Revised Estimates of Employees in Nonagricultural Establishments, by Industry
 Division 1/, January 1945 - February 1948. Continued
 (in thousands)

Year and month	Total	Manufacturing	Mining	Construction	Transportation and public utilities	Trade	Finance	Service	Government	Year and month
1948										1948
1949										1949
<u>1948</u>										<u>1948</u>
Jan..	44,603	16,267	922	1,871	4,020	9,622	1,680	4,723	5,498	Jan.
Feb..	44,279	16,183	914	1,731	4,019	9,520	1,690	4,730	5,492	Feb.
Mar..										Mar.
Apr..										Apr.
May..										May
June.										June
July.										July
Aug..										Aug.
Sept..										Sept.
Oct..										Oct.
Nov..										Nov.
Dec..										Dec.
<u>1949</u>										<u>1949</u>
Jan..										Jan.
Feb..										Feb.
Mar..										Mar.
Apr..										Apr.
May..										May
June.										June
July.										July
Aug..										Aug.
Sept..										Sept.
Oct..										Oct.
Nov..										Nov.
Dec..										Dec.

1/ Estimates include all full- and part-time wage and salary workers who worked or received pay during the pay period ending nearest the 15th of the month. Proprietors, self-employed persons, domestic servants, and personnel of the armed forces are excluded. These estimates incorporate the revised estimates adjusted to final 1946 U. C. data and, therefore, supersede data shown in mimeographed releases dated prior to June 1948 and Monthly Labor Reviews dated prior to July 1948. Data from January 1945 forward were affected by this revision.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 13. - Estimated Number of Employees in Manufacturing Industries, by Major Industry Group 1/
January 1946 to date
(In thousands)

Month and year	All manufacturing	Durable goods	Nondurable goods	Month and year
1946	14,515	7,180	7,335	1946
1947	15,901	8,055	7,846	1947
1948				1948
1946				1946
January	13,524	6,615	6,909	January
February	12,798	5,758	7,040	February
March	13,510	6,370	7,140	March
April	14,147	6,962	7,185	April
May	14,235	7,057	7,178	May
June	14,493	7,230	7,263	June
July	14,681	7,383	7,298	July
August	15,062	7,580	7,482	August
September	15,245	7,698	7,547	September
October	15,303	7,751	7,552	October
November	15,541	7,865	7,676	November
December	15,642	7,887	7,755	December
1947				1947
January	15,677	7,949	7,728	January
February	15,783	8,030	7,753	February
March	15,826	8,071	7,755	March
April	15,750	8,068	7,682	April
May	15,569	7,962	7,607	May
June	15,672	8,050	7,622	June
July	15,580	7,874	7,706	July
August	15,962	7,987	7,975	August
September	16,175	8,070	8,105	September
October	16,209	8,126	8,083	October
November	16,256	8,194	8,062	November
December	16,354	8,274	8,080	December
1948				1948
January	16,267	8,256	8,011	January
February	16,183	8,167	8,016	February
March				March
April				April
May				May
June				June
July				July
August				August
September				September
October				October
November				November
December				December

See footnote on last page.

Source: U. S. Bureau of Labor Statistics (6/48)

Table 13. - Estimated Number of Employees in Manufacturing Industries, by Major Industry Group 1/
January 1946 to date - Continued
(In thousands)

Month and year	Iron and steel and their products	Electrical machinery	Machinery, except electrical	Transportation equipment, except automobiles	Automobiles	Month and Year
1946	1,670	578	1,372	528	797	1946
1947	1,380	762	1,555	580	942	1947
1948						1948
1946						1946
Jan...	1,608	665	1,291	706	548	Jan.
Feb...	1,140	482	1,165	635	552	Feb.
Mar...	1,567	518	1,217	620	592	Mar.
Apr...	1,659	616	1,296	656	809	Apr.
May...	1,648	672	1,341	642	789	May
June..	1,678	694	1,375	629	822	June
July..	1,722	703	1,399	624	863	July
Aug...	1,772	722	1,428	613	894	Aug.
Sept..	1,800	743	1,453	598	939	Sept.
Oct...	1,788	762	1,479	597	925	Oct.
Nov...	1,832	775	1,504	602	920	Nov.
Dec...	1,820	785	1,516	611	905	Dec.
1947						1947
Jan...	1,856	785	1,532	614	899	Jan.
Feb...	1,865	791	1,540	611	938	Feb.
Mar...	1,375	789	1,552	608	942	Mar.
Apr...	1,375	745	1,565	612	957	Apr.
May...	1,861	731	1,561	598	899	May
June..	1,371	759	1,558	594	939	June
July..	1,854	742	1,519	527	941	July
Aug...	1,884	745	1,552	530	926	Aug.
Spet..	1,392	752	1,560	540	960	Sept.
Oct...	1,896	763	1,565	552	964	Oct.
Nov...	1,308	772	1,569	578	961	Nov.
Dec...	1,322	773	1,589	591	983	Dec.
1948						1948
Jan...	1,925	767	1,583	598	989	Jan.
Feb...	1,920	763	1,591	589	914	Feb.
Mar...						Mar.
Apr...						Apr.
May...						May
June..						June
July..						July
Aug...						Aug.
Sept..						Sept.
Oct...						Oct.
Nov...						Nov.
Dec...						Dec.

See footnote on last page.

Table 13. - Estimated Number of Employees in Manufacturing Industries, by Major Industry Group 1/
January 1946 to date - Continued
(In thousands)

Month and year	Nonferrous metals and their products	Lumber and timber basic products	Furniture and finished lumber products	Stone, clay, and glass products	Textile-mill products and other fiber manufactures	Month and year
1946	445	633	484	474	1,309	1946
1947	483	783	552	517	1,362	1947
1948						1948
1946						1946
Jan...	412	538	437	410	1,224	Jan.
Feb...	355	547	448	434	1,258	Feb.
Mar...	389	564	456	447	1,280	Mar.
Apr...	414	591	465	456	1,290	Apr.
May...	424	613	466	462	1,295	May
June..	443	636	480	473	1,312	June
July..	462	648	485	477	1,299	July
Aug...	477	677	500	497	1,315	Aug.
Sept..	482	679	503	501	1,332	Sept.
Oct...	489	693	511	507	1,348	Oct.
Nov...	495	707	522	508	1,369	Nov.
Dec...	500	705	533	512	1,384	Dec.
1947						1947
Jan...	502	707	542	512	1,386	Jan.
Feb...	505	715	552	512	1,395	Feb.
Mar...	504	731	554	516	1,388	Mar.
Apr...	498	750	546	520	1,388	Apr.
May...	486	780	537	509	1,342	May
June..	475	798	541	515	1,325	June
July..	462	793	534	502	1,305	July
Aug...	463	821	549	517	1,320	Aug.
Sept..	468	821	557	520	1,341	Sept.
Oct...	472	827	565	522	1,368	Oct.
Nov...	479	828	573	526	1,391	Nov.
Dec...	482	829	578	527	1,409	Dec.
1948						1948
Jan...	478	816	580	520	1,413	Jan.
Feb...	478	813	581	518	1,428	Feb.
Mar...						Mar.
Apr...						Apr.
May...						May
June..						June
July..						July
Aug...						Aug.
Sept...						Sept.
Oct...						Oct.
Nov...						Nov.
Dec...						Dec.

See footnote on last page.

Source: U. S. Bureau of Labor Statistics (6/48)

Table 13. - Estimated Number of Employees in Manufacturing Industries, by Major Industry Group 1/
January 1946 to date - Continued
(In thousands)

Month and Year	Apparel and other finished textile products	Leather and leather products	Food	Tabacco manufactures	Paper and allied products	Month and Year
1946	1,126	408	1,547	99	447	1946
1947	1,213	429	1,724	100	473	1947
1948						1948
1946						1946
Jan...	1,063	380	1,469	93	420	Jan.
Feb...	1,099	393	1,477	94	427	Feb.
Mar...	1,119	401	1,477	94	433	Mar.
Apr...	1,119	405	1,475	98	440	Apr.
May...	1,209	408	1,470	98	444	May
June..	1,127	412	1,480	99	449	June
July..	1,091	411	1,570	98	446	July
Aug...	1,236	412	1,547	99	452	Aug.
Sept..	1,153	416	1,540	100	454	Sept.
Oct...	1,166	415	1,570	102	460	Oct.
Nov...	1,159	420	1,635	104	468	Nov.
Dec...	1,174	428	1,648	105	472	Dec.
1947						1947
Jan...	1,187	429	1,612	104	473	Jan.
Feb...	1,217	430	1,585	103	475	Feb.
Mar...	1,220	430	1,588	100	475	Mar.
Apr...	1,167	424	1,609	95	473	Apr.
May...	1,137	411	1,622	96	470	May
June..	1,141	414	1,566	97	470	June
July..	1,141	417	1,785	97	462	July
Aug...	1,222	429	1,922	99	469	Aug.
Sept..	1,251	435	1,964	100	470	Sept.
Oct...	1,287	438	1,833	103	476	Oct.
Nov...	1,277	442	1,769	104	479	Nov.
Dec...	1,305	446	1,735	102	484	Dec.
1948						1948
Jan...	1,311	445	1,688	101	482	Jan.
Feb...	1,333	448	1,658	101	479	Feb.
Mar...						Mar.
Apr...						Apr.
May...						May
June..						June
July..						July
Aug...						Aug.
Sept..						Sept.
Oct...						Oct.
Nov...						Nov.
Dec...						Dec.

See footnote on last page.

Table 13. - Estimated Number of Employees in Manufacturing Industries, by Major Industry Group 1/
 January 1946 to date - Continued
 (In thousands)

Month and year	Printing, publishing, and allied industries	Chemicals and allied products	Products of petroleum and coal	Rubber products	Miscellaneous industries	Month and year
1946	659	710	218	266	547	1946
1947	709	762	233	263	578	1947
1948						1948
1946						1946
Jan...	617	692	207	253	491	Jan.
Feb...	631	695	204	256	506	Feb.
Mar...	640	703	212	261	520	Mar.
Apr...	647	705	214	262	530	Apr.
May...	648	694	216	262	534	May
June..	656	695	219	265	549	June
July..	662	692	223	256	550	July
Aug...	667	702	226	264	562	Aug.
Sept..	671	718	225	270	568	Sept.
Oct...	682	729	225	277	578	Oct.
Nov...	690	744	225	281	581	Nov.
Dec...	700	749	224	282	589	Dec.
1947						1947
Jan...	696	756	225	280	578	Jan.
Feb...	700	761	225	279	583	Feb.
Mar...	699	765	227	277	586	Mar.
Apr...	702	764	227	274	579	Apr.
May...	703	761	232	262	571	May
June..	705	748	235	257	564	June
July..	706	752	237	250	554	July
Aug...	710	750	238	252	564	Aug.
Sept..	713	763	238	252	578	Sept.
Oct...	720	773	237	257	591	Oct.
Nov...	726	777	239	259	599	Nov.
Dec...	732	778	238	261	590	Dec.
1948						1948
Jan...	726	774	238	259	574	Jan.
Feb...	724	773	237	257	578	Feb.
Mar...						Mar.
Apr...						Apr.
May...						May
June..						June
July..						July
Aug...						Aug.
Sept..						Sept.
Oct...						Oct.
Nov...						Nov.
Dec...						Dec.

1/ Estimates include all full and part-time wage and salary workers in manufacturing industries who worked or received pay during the pay period ending nearest the 15th of the month. These estimates have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency.

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	ALL MANUFACTURING			DURABLE GOODS DIVISION			Year and month
	Estimated number	Indexes		Estimated number	Indexes		
		(1939 average = 100)			(1939 average = 100)		
(thousands)	Employment	Pay roll	Employment	Pay roll	Pay roll	(thousands)	
1946	11,745	143.4	269.6	5,866	162.5	293.3	1946
1947	12,890	157.3	332.1	6,637	183.8	371.9	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	10,884	132.9	234.5	5,354	148.3	250.2	Jan.
Feb...	10,185	124.3	215.0	4,545	125.9	204.9	Feb.
Mar...	10,877	132.8	239.5	5,154	142.7	246.2	Mar.
Apr...	11,428	139.5	256.5	5,679	157.3	277.9	Apr.
May...	11,480	140.1	255.6	5,748	159.2	277.9	May
June..	11,716	143.0	265.5	5,909	163.6	292.7	June
July..	11,884	145.1	270.4	6,042	167.3	300.5	July
Aug...	12,242	149.4	288.5	6,233	172.6	321.3	Aug.
Sept..	12,406	151.4	294.9	6,334	175.4	329.2	Sept.
Oct...	12,439	151.8	297.9	6,383	176.8	334.8	Oct.
Nov...	12,656	154.5	303.9	6,491	179.8	338.5	Nov.
Dec...	12,742	155.5	312.6	6,517	180.5	345.5	Dec.
<u>1947</u>							<u>1947</u>
Jan...	12,749	155.6	314.2	6,566	181.8	348.3	Jan.
Feb...	12,832	156.6	317.6	6,642	183.9	353.2	Feb.
Mar...	12,859	157.0	320.9	6,677	184.9	358.9	Mar.
Apr...	12,772	155.9	317.6	6,669	184.7	359.0	Apr.
May...	12,597	153.8	319.3	6,572	182.0	363.0	May
June..	12,672	154.7	327.2	6,639	183.9	375.5	June
July..	12,562	153.3	321.8	6,452	178.7	359.4	July
Aug...	12,928	157.8	331.5	6,555	181.5	366.8	Aug.
Sept..	13,125	160.2	345.3	6,630	183.6	382.2	Sept.
Oct...	13,143	160.4	350.1	6,681	185.0	389.9	Oct.
Nov...	13,176	160.8	353.4	6,746	186.8	395.0	Nov.
Dec...	13,263	161.9	365.7	6,816	188.8	411.0	Dec.
<u>1948</u>							<u>1948</u>
Jan...	13,150	160.5	358.7	6,795	188.2	403.1	Jan.
Feb...	13,066	159.5	354.1	6,711	185.8	393.1	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	NONDURABLE GOODS DIVISION			IRON AND STEEL AND THEIR PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	5,879	128.3	246.4	1,409	142.1	245.4	1946
1947	6,253	136.5	293.1	1,597	161.0	314.9	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	5,530	120.7	219.0	1,360	137.1	224.1	Jan.
Feb...	5,640	123.1	224.8	880	88.7	133.1	Feb.
Mar...	5,723	124.9	233.0	1,319	133.0	266.2	Mar.
Apr...	5,749	125.5	235.7	1,404	141.6	243.6	Apr.
May...	5,732	125.1	233.9	1,390	140.2	234.1	May
June..	5,807	126.8	238.9	1,416	142.8	242.6	June
July..	5,842	127.5	241.0	1,461	147.3	250.2	July
Aug...	6,009	131.2	256.3	1,508	152.1	269.2	Aug.
Sept..	6,072	132.5	261.3	1,535	154.8	277.4	Sept.
Oct...	6,056	132.2	261.8	1,523	153.6	277.9	Oct.
Nov...	6,165	134.6	270.1	1,562	157.5	285.6	Nov.
Dec...	6,225	135.9	280.5	1,549	156.2	281.3	Dec.
<u>1947</u>							<u>1947</u>
Jan...	6,183	135.0	280.7	1,580	159.3	292.6	Jan.
Feb...	6,190	135.1	282.7	1,590	160.3	292.3	Feb.
Mar...	6,182	134.9	283.7	1,597	161.0	298.8	Mar.
Apr...	6,103	133.2	277.2	1,595	160.9	301.5	Apr.
May...	6,025	131.5	276.6	1,582	159.6	310.2	May
June..	6,033	131.7	280.0	1,588	160.1	319.2	June
July..	6,110	133.4	285.1	1,569	158.2	307.2	July
Aug...	6,373	139.1	297.0	1,597	161.0	316.8	Aug.
Sept..	6,495	141.8	309.2	1,604	161.7	327.7	Sept.
Oct...	6,462	141.1	311.2	1,609	162.3	331.6	Oct.
Nov...	6,430	140.4	312.8	1,619	163.3	335.1	Nov.
Dec...	6,447	140.7	321.4	1,633	164.7	345.8	Dec.
<u>1948</u>							<u>1948</u>
Jan...	6,355	138.7	315.3	1,634	164.9	341.9	Jan.
Feb...	6,355	138.7	316.0	1,628	164.2	337.6	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers
and Indexes of Production-Worker Employment and Weekly Pay Rolls,
by Major Industry Group, January 1946 - February 1948 1/

Year and month	ELECTRICAL MACHINERY			MACHINERY, EXCEPT ELECTRICAL			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	515	198.5	345.8	1,055	199.6	345.2	1946
1947	587	226.7	440.4	1,208	228.7	439.9	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	494	190.7	313.9	992	187.8	308.9	Jan.
Feb...	354	136.4	214.8	864	163.5	264.8	Feb.
Mar...	382	147.3	233.3	914	173.0	288.6	Mar.
Apr...	463	178.9	298.3	989	187.2	314.8	Apr.
May...	507	195.6	325.3	1,033	195.5	324.9	May
June..	526	202.9	350.8	1,059	200.4	345.1	June
July..	532	205.2	354.4	1,077	203.9	349.9	July
Aug...	552	212.9	383.1	1,105	209.1	366.6	Aug.
Sept..	570	220.1	402.2	1,127	213.2	381.3	Sept.
Oct...	587	226.5	413.8	1,148	217.2	393.9	Oct.
Nov...	599	231.1	422.4	1,169	221.3	396.6	Nov.
Dec...	608	234.5	437.5	1,182	223.6	407.2	Dec.
<u>1947</u>							<u>1947</u>
Jan...	608	234.7	432.8	1,195	226.1	414.1	Jan.
Feb...	612	236.0	430.2	1,203	227.7	417.2	Feb.
Mar...	610	235.3	437.1	1,212	229.3	424.5	Mar.
Apr...	577	222.6	403.6	1,220	230.9	431.0	Apr.
May...	564	217.7	414.4	1,216	230.2	437.7	May
June..	584	225.5	440.5	1,208	228.5	443.0	June
July..	567	218.9	430.0	1,171	221.7	427.4	July
Aug...	569	219.6	428.1	1,198	226.8	434.5	Aug.
Sept..	578	223.0	450.5	1,209	228.8	451.4	Sept.
Oct...	588	226.9	464.6	1,214	229.7	458.0	Oct.
Nov...	595	229.7	471.9	1,218	230.5	459.6	Nov.
Dec...	596	230.2	481.2	1,235	233.8	479.9	Dec.
<u>1948</u>							<u>1948</u>
Jan...	588	227.0	471.0	1,231	233.0	473.8	Jan.
Feb...	584	225.4	465.1	1,237	234.0	471.9	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES			AUTOMOBILES			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
(thousands)				(thousands)			
1946	485	305.6	554.5	637	158.4	265.5	1946
1947	453	285.6	551.6	757	188.2	363.5	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	538	339.2	580.2	432	107.4	159.3	Jan.
Feb...	486	306.0	511.0	431	107.1	148.0	Feb.
Mar...	478	301.2	527.9	466	115.8	173.8	Mar.
Apr...	507	319.6	582.2	650	161.4	252.1	Apr.
May...	494	311.5	562.5	622	154.5	243.1	May
June..	483	304.4	562.6	661	164.3	262.2	June
July..	481	303.1	564.6	692	172.0	295.7	July
Aug...	473	298.3	559.8	722	179.6	322.7	Aug.
Sept..	461	290.7	531.2	755	187.7	334.6	Sept.
Oct...	464	292.1	550.4	742	184.4	328.9	Oct.
Nov...	472	297.2	539.9	741	184.1	330.8	Nov.
Dec...	482	303.6	581.6	734	182.3	334.5	Dec.
<u>1947</u>							<u>1947</u>
Jan...	482	303.9	572.9	727	180.8	326.7	Jan.
Feb...	481	303.1	568.6	761	189.1	343.3	Feb.
Mar...	480	302.3	567.3	766	190.5	353.9	Mar.
Apr...	486	306.5	576.0	774	192.5	349.5	Apr.
May...	475	299.3	572.1	720	179.1	335.0	May
June..	472	297.5	571.1	758	188.5	363.6	June
July..	403	253.7	492.5	753	187.3	355.3	July
Aug...	405	255.0	492.4	741	184.1	345.1	Aug.
Sept..	414	260.7	509.8	767	190.5	380.6	Sept.
Oct...	427	269.2	541.5	764	190.0	385.8	Oct.
Nov...	452	284.6	555.1	766	190.4	395.6	Nov.
Dec...	463	291.6	600.2	785	195.2	427.7	Dec.
<u>1948</u>							<u>1948</u>
Jan...	472	297.3	611.2	789	196.0	408.7	Jan.
Feb...	464	292.6	593.3	720	178.9	357.6	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers
and Indexes of Production-Worker Employment and Weekly Pay Rolls,
by Major Industry Group, January 1946 - February 1948 1/

Year and month	NONFERROUS METALS AND THEIR PRODUCTS			LUMBER AND TIMBER BASIC PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	380	166.0	302.5	574	136.4	263.4	1946
1947	415	181.2	356.6	711	169.2	389.0	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	343	149.8	262.8	485	115.3	194.1	Jan.
Feb...	295	128.5	227.5	494	117.5	206.4	Feb.
Mar...	325	141.9	253.1	509	121.0	221.6	Mar.
Apr...	353	154.2	277.6	534	127.1	236.0	Apr.
May...	362	158.0	283.2	555	132.0	250.3	May
June..	381	166.2	300.9	575	136.8	270.8	June
July..	396	172.7	306.7	587	139.6	262.0	July
Aug...	411	179.1	327.5	615	146.3	298.9	Aug.
Sept..	416	181.6	335.6	617	146.8	299.8	Sept.
Oct...	423	184.4	343.1	629	149.6	308.9	Oct.
Nov...	428	186.6	350.1	642	152.6	302.8	Nov.
Dec...	432	188.7	361.8	640	152.3	309.7	Dec.
<u>1947</u>							<u>1947</u>
Jan...	435	189.8	360.3	640	152.2	312.9	Jan.
Feb...	439	191.5	365.7	648	154.2	334.1	Feb.
Mar...	437	190.5	364.8	664	157.9	336.7	Mar.
Apr...	430	187.8	359.8	682	162.3	352.0	Apr.
May...	418	182.5	354.8	710	168.8	383.3	May
June..	408	178.0	352.0	727	172.9	409.8	June
July..	393	171.4	332.1	721	171.5	394.2	July
Aug...	396	172.8	335.3	745	177.3	429.7	Aug.
Sept..	400	174.7	349.5	745	177.3	427.4	Sept.
Oct...	404	176.3	359.3	751	178.6	427.2	Oct.
Nov...	410	178.8	367.3	751	178.5	429.1	Nov.
Dec...	413	180.3	377.8	750	178.4	431.8	Dec.
<u>1948</u>							<u>1948</u>
Jan...	409	178.4	372.7	738	175.6	413.5	Jan.
Feb...	409	178.5	372.9	736	175.0	417.2	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	FURNITURE AND FINISHED LUMBER PRODUCTS			STONE, CLAY, AND GLASS PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	405	123.6	245.4	406	138.3	249.3	1946
1947	464	141.3	316.9	444	151.4	310.1	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	364	111.0	202.0	346	117.7	191.0	Jan.
Feb...	373	113.7	210.9	368	125.5	211.5	Feb.
Mar...	381	116.2	221.0	380	129.6	225.4	Mar.
Apr...	389	118.5	228.0	390	132.9	233.5	Apr.
May...	390	118.9	226.7	395	134.6	234.2	May
June..	402	122.4	239.8	406	138.4	246.4	June
July..	405	123.5	239.4	411	139.9	248.0	July
Aug...	420	128.0	259.2	427	145.5	267.3	Aug.
Sept..	422	128.7	265.0	431	147.0	275.3	Sept.
Oct...	430	131.0	276.4	437	148.7	280.7	Oct.
Nov...	440	134.2	282.2	438	149.4	285.3	Nov.
Dec...	449	136.8	294.7	441	150.4	293.3	Dec.
<u>1947</u>							<u>1947</u>
Jan...	456	139.1	298.8	443	151.0	291.9	Jan.
Feb...	466	142.2	308.7	442	150.5	289.8	Feb.
Mar...	466	142.0	309.0	445	151.5	298.0	Mar.
Apr...	458	139.6	303.7	447	152.4	301.4	Apr.
May...	450	137.3	302.1	437	148.9	299.5	May
June..	452	137.7	308.0	442	150.4	311.5	June
July..	445	135.7	298.6	430	146.5	298.8	July
Aug...	460	140.1	311.6	444	151.2	315.5	Aug.
Sept..	466	141.9	324.3	447	152.3	320.2	Sept.
Oct...	475	144.8	338.8	449	152.8	328.2	Oct.
Nov...	483	147.1	343.0	452	154.0	331.2	Nov.
Dec...	487	148.3	355.7	454	154.7	335.7	Dec.
<u>1948</u>							<u>1948</u>
Jan...	489	149.1	352.2	445	151.6	322.9	Jan.
Feb...	490	149.2	350.2	443	150.9	321.4	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES			APPAREL AND OTHER FINISHED TEXTILE PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	1,202	105.1	225.2	991	125.5	255.6	1946
1947	1,244	108.8	265.0	1,061	134.3	291.9	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	1,123	98.2	190.0	936	118.6	223.3	Jan.
Feb...	1,155	101.0	203.3	969	122.7	234.3	Feb.
Mar...	1,176	102.8	212.6	987	125.0	256.2	Mar.
Apr...	1,185	103.6	216.1	985	124.8	255.1	Apr.
May...	1,189	103.9	215.5	976	123.7	249.5	May
June..	1,205	105.3	219.7	991	125.5	252.8	June
July..	1,191	104.1	216.2	957	121.2	234.1	July
Aug...	1,207	105.6	233.0	1,000	126.6	264.4	Aug.
Sept..	1,224	107.0	239.6	1,014	128.4	273.5	Sept.
Oct...	1,239	108.3	245.8	1,026	129.9	273.1	Oct.
Nov...	1,257	109.9	251.2	1,019	129.1	271.6	Nov.
Dec...	1,271	111.1	259.6	1,031	130.5	279.6	Dec.
<u>1947</u>							<u>1947</u>
Jan...	1,273	111.3	260.5	1,041	131.9	292.9	Jan.
Feb...	1,278	111.7	268.2	1,069	135.4	306.0	Feb.
Mar...	1,272	111.2	271.4	1,070	135.5	303.4	Mar.
Apr...	1,253	109.5	261.6	1,018	128.9	267.2	Apr.
May...	1,226	107.2	254.5	990	125.4	259.8	May
June...	1,208	105.6	248.6	993	125.7	262.3	June
July..	1,187	103.8	243.7	992	125.7	266.2	July
Aug...	1,202	105.1	246.2	1,071	135.6	288.4	Aug.
Sept..	1,223	106.9	262.9	1,096	138.9	303.8	Sept.
Oct...	1,249	109.2	271.8	1,127	142.7	320.5	Oct.
Nov...	1,271	111.1	288.2	1,117	141.5	304.8	Nov.
Dec...	1,290	112.7	302.0	1,143	144.8	327.3	Dec.
<u>1948</u>							<u>1948</u>
Jan...	1,292	113.0	303.0	1,147	145.3	337.0	Jan.
Feb...	1,306	114.2	310.6	1,166	147.7	345.2	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	LEATHER AND LEATHER PRODUCTS			FOOD			Year and month
	Estimated number (thousands)	Indexes (1939 average = 100)		Estimated number (thousands)	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
1946	368	106.1	208.8	1,133	132.5	237.3	1946
1947	385	110.8	238.4	1,254	146.7	300.4	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	342	98.6	187.5	1,073	125.6	219.5	Jan.
Feb...	355	102.2	197.9	1,072	125.5	217.1	Feb.
Mar...	363	104.7	206.7	1,067	124.8	213.1	Mar.
Apr...	366	105.4	209.6	1,061	124.2	213.0	Apr.
May...	368	106.0	209.9	1,052	123.1	210.6	May
June...	372	107.1	211.3	1,066	124.8	214.9	June
July..	370	106.8	205.9	1,162	135.9	243.9	July
Aug...	371	107.0	208.0	1,235	144.6	265.2	Aug.
Sept..	375	107.9	214.3	1,232	144.2	258.4	Sept.
Oct...	373	107.5	209.9	1,150	134.5	244.7	Oct.
Nov...	377	108.7	213.1	1,208	141.4	266.9	Nov.
Dec...	385	110.9	232.0	1,213	141.9	280.2	Dec.
<u>1947</u>							<u>1947</u>
Jan...	385	110.9	234.6	1,170	136.9	273.2	Jan.
Feb...	387	111.5	237.1	1,130	132.2	258.7	Feb.
Mar...	387	111.5	236.7	1,127	131.9	255.5	Mar.
Apr...	381	109.9	228.8	1,142	133.6	259.8	Apr.
May...	368	106.1	220.9	1,152	134.8	270.4	May
June...	370	106.6	225.9	1,192	139.5	286.7	June
July..	373	107.5	229.0	1,311	153.4	317.1	July
Aug...	385	111.1	235.8	1,442	168.8	349.3	Aug.
Sept..	390	112.2	248.1	1,483	173.6	356.1	Sept.
Oct...	393	113.2	251.8	1,353	158.3	332.8	Oct.
Nov...	396	114.1	252.5	1,288	150.7	323.5	Nov.
Dec...	400	115.3	259.6	1,255	146.9	321.9	Dec.
<u>1948</u>							<u>1948</u>
Jan...	399	114.9	258.7	1,191	139.3	296.6	Jan.
Feb...	402	115.8	262.5	1,159	135.6	288.5	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	TOBACCO MANUFACTURES			PAPER AND ALLIED PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	86	92.0	187.1	370	139.3	252.8	1946
1947	86	92.5	201.8	391	147.2	306.8	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	81	87.0	166.7	346	130.2	224.6	Jan.
Feb...	81	87.3	165.2	353	132.9	228.7	Feb.
Mar...	82	87.9	171.3	358	135.0	236.3	Mar.
Apr...	85	90.8	174.6	363	136.7	239.9	Apr.
May...	85	91.2	181.1	366	137.8	241.6	May
June..	86	92.1	184.1	371	139.9	249.0	June
July..	85	90.7	178.3	368	138.7	248.8	July
Aug...	86	91.7	186.2	373	140.7	259.3	Aug.
Sept..	87	93.5	196.0	376	141.7	263.0	Sept.
Oct...	89	95.8	207.4	381	143.6	272.1	Oct.
Nov...	91	97.6	212.7	389	146.5	280.8	Nov.
Dec...	92	98.3	222.0	393	148.1	289.1	Dec.
<u>1947</u>							<u>1947</u>
Jan...	90	96.1	209.4	393	148.1	289.1	Jan.
Feb...	89	95.4	201.0	394	148.4	293.0	Feb.
Mar...	86	92.2	193.1	394	148.4	296.0	Mar.
Apr...	82	87.5	181.6	391	147.5	296.0	Apr.
May...	83	88.4	182.8	388	146.1	296.3	May
June..	84	90.2	194.8	388	146.1	303.4	June
July..	84	89.8	200.0	380	143.3	304.2	July
Aug...	85	91.6	203.0	387	145.7	307.2	Aug.
Sept..	86	92.3	205.3	388	146.2	315.5	Sept.
Oct...	89	95.1	214.5	392	147.8	320.5	Oct.
Nov...	90	96.5	216.3	394	148.6	325.9	Nov.
Dec...	88	94.4	219.3	398	149.9	334.0	Dec.
<u>1948</u>							<u>1948</u>
Jan...	87	93.6	210.5	395	148.7	328.0	Jan.
Feb...	88	93.9	195.7	392	147.8	328.9	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	PRINTING, PUBLISHING, AND ALLIED INDUSTRIES			CHEMICALS AND ALLIED PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
(thousands)				(thousands)			
1946	400	121.9	196.7	540	187.5	326.9	1946
1947	434	132.2	241.3	577	200.0	393.6	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	372	113.5	172.4	534	185.1	311.2	Jan.
Feb...	382	116.5	177.9	537	186.4	311.6	Feb.
Mar...	388	118.2	184.6	542	188.2	318.4	Mar.
Apr...	391	119.2	186.7	542	188.2	320.7	Apr.
May...	392	119.5	187.7	531	184.2	313.5	May
June..	397	121.0	193.0	527	182.9	315.9	June
July..	401	122.3	195.3	521	180.8	318.9	July
Aug...	403	123.0	200.4	527	182.7	32.40	Aug.
Sept..	406	123.9	205.7	541	187.7	333.7	Sept.
Oct...	416	126.9	211.5	551	191.3	340.5	Oct.
Nov...	422	128.6	217.4	563	195.5	350.9	Nov.
Dec...	427	130.2	227.8	569	197.4	363.6	Dec.
<u>1947</u>							<u>1947</u>
Jan...	425	129.5	223.6	575	199.5	370.0	Jan.
Feb...	428	130.4	225.6	579	201.1	379.1	Feb.
Mar...	428	130.5	231.7	581	201.7	384.1	Mar.
Apr...	429	130.9	234.9	579	200.8	385.2	Apr.
May...	430	131.0	238.6	575	199.5	389.1	May
June..	431	131.5	240.3	561	194.6	384.1	June
July..	430	131.2	238.0	562	195.0	387.7	July
Aug...	434	132.3	240.0	563	195.3	390.2	Aug.
Sept..	437	133.2	249.7	576	199.9	403.1	Sept.
Oct...	441	134.6	252.8	586	203.2	409.6	Oct.
Nov...	444	135.4	257.2	589	204.5	416.4	Nov.
Dec...	445	135.7	263.1	592	205.4	424.1	Dec.
<u>1948</u>							<u>1948</u>
Jan...	439	134.0	255.3	588	204.1	426.7	Jan.
Feb...	438	133.5	254.7	588	204.2	425.6	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

Year and month	PRODUCTS OF PETROLEUM AND COAL			RUBBER PRODUCTS			Year and month
	Estimated number	Indexes (1939 average = 100)		Estimated number	Indexes (1939 average = 100)		
		Employment	Pay roll		Employment	Pay roll	
	(thousands)			(thousands)			
1946	153	144.5	245.6	216	178.9	323.6	1946
1947	162	152.9	288.4	213	176.1	353.6	1947
1948							1948
<u>1946</u>							<u>1946</u>
Jan...	146	137.7	227.0	205	169.5	284.8	Jan.
Feb...	142	134.5	227.6	209	173.0	285.3	Feb.
Mar...	149	140.9	238.0	213	176.4	294.4	Mar.
Apr...	151	142.5	240.0	213	176.0	314.3	Apr.
May...	150	141.5	235.7	213	175.9	315.3	May
June..	154	145.5	244.2	216	178.3	323.0	June
July..	157	147.9	253.0	208	171.7	311.9	July
Aug...	158	148.8	255.5	215	177.8	325.5	Aug.
Sept..	158	149.4	260.1	220	181.9	350.0	Sept.
Oct...	157	148.6	255.7	226	186.5	346.0	Oct.
Nov...	157	148.6	255.9	229	189.6	359.8	Nov.
Dec...	157	148.2	254.5	230	189.9	372.3	Dec.
<u>1947</u>							<u>1947</u>
Jan...	156	147.7	257.9	228	188.7	365.7	Jan.
Feb...	157	148.5	260.7	227	188.0	364.5	Feb.
Mar...	157	148.4	266.0	225	186.1	353.3	Mar.
Apr...	157	147.8	269.7	222	183.2	363.1	Apr.
May...	161	151.9	280.6	211	174.6	347.5	May
June..	163	153.5	291.4	207	170.9	342.3	June
July..	165	156.2	300.5	200	165.1	331.2	July
Aug...	166	157.0	302.1	203	167.9	337.6	Aug.
Sept..	166	156.4	307.5	203	168.1	348.3	Sept.
Oct...	165	155.8	301.8	208	171.7	354.4	Oct.
Nov...	165	156.1	309.5	210	174.0	361.4	Nov.
Dec...	165	155.5	313.3	212	175.3	373.6	Dec.
<u>1948</u>							<u>1948</u>
Jan...	164	155.0	318.1	210	173.5	354.9	Jan.
Feb...	163	153.9	315.4	208	172.0	337.2	Feb.
Mar...							Mar.
Apr...							Apr.
May...							May
June..							June
July..							July
Aug...							Aug.
Sept..							Sept.
Oct...							Oct.
Nov...							Nov.
Dec...							Dec.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 14. - Revised Estimates of Manufacturing Production Workers and Indexes of Production-Worker Employment and Weekly Pay Rolls, by Major Industry Group, January 1946 - February 1948 1/

MISCELLANEOUS INDUSTRIES							
Year and month	Estimated number	Indexes (1939 average = 100)		Year and month	Estimated number	Indexes (1939 average = 100)	
		Employment	Pay roll			Employment	Pay roll
(thousands)				(thousands)			
1946	421	171.9	322.4	1948			
1947	448	183.0	374.2	1949			
<u>1946</u>				<u>1948</u>			
Jan...	372	152.1	274.1	Jan...	443	180.9	388.2
Feb...	385	157.3	281.5	Feb...	445	181.9	393.9
Mar...	398	162.7	297.2	Mar...			
Apr...	407	166.2	306.1	Apr...			
May...	410	167.7	305.5	May...			
June..	422	172.4	321.5	June..			
July..	422	172.4	317.7	July..			
Aug...	434	177.4	333.5	Aug...			
Sept..	439	179.5	344.2	Sept..			
Oct...	448	183.0	356.4	Oct...			
Nov...	453	185.2	360.3	Nov...			
Dec...	457	186.7	370.4	Dec...			
<u>1947</u>				<u>1949</u>			
Jan...	447	182.8	363.9	Jan...			
Feb...	452	184.7	367.4	Feb...			
Mar...	455	186.0	375.4	Mar...			
Apr...	449	183.7	368.8	Apr...			
May...	441	180.3	364.6	May...			
June..	436	178.4	363.5	June..			
July..	426	174.1	349.2	July..			
Aug...	435	177.7	355.9	Aug...			
Sept..	447	182.8	378.2	Sept..			
Oct...	459	187.5	394.1	Oct...			
Nov...	466	190.4	403.9	Nov...			
Dec...	459	187.5	405.1	Dec...			

1/ Estimates and indexes for the major industry groups have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency and supersede data shown in mimeographed releases dated prior to June 1948, and Monthly Labor Reviews dated prior to July 1948. The present adjustment affects data from 1946 to the present only. Hours and earnings data were not affected by this adjustment.

Source: U. S. Bureau of Labor Statistics (6-48)

Table 15. - Revised Estimates of Production Workers and Indexes of
Production-Worker Employment and Weekly Pay Rolls in the
Bituminous Coal Mining Industry, January 1946 - February 1948 ^{1/}

PRODUCTION WORKERS				PRODUCTION WORKERS			
Year and month	Estimated number (thousands)	Indexes (1939 average = 100)		Year and month	Estimated number (thousands)	Indexes (1939 average = 100)	
		Employment	Pay roll			Employment	Pay roll
1946	355	95.5	235.4	1948			
1947	390	105.0	298.6	1949			
<u>1946</u>				<u>1948</u>			
Jan...	382	102.8	236.9	Jan...	404	108.7	350.5
Feb...	385	130.6	251.5	Feb...	397	106.8	320.0
Mar...	386	103.9	255.8	Mar...			
Apr...	68	118.3	23.4	Apr...			
May...	282	75.8	110.4	May...			
June..	387	104.0	283.6	June..			
July..	394	106.1	235.4	July..			
Aug...	399	107.4	285.6	Aug...			
Sept..	398	107.1	278.4	Sept..			
Oct...	397	106.7	281.0	Oct...			
Nov...	396	106.5	276.3	Nov...			
Dec...	387	104.2	306.1	Dec...			
<u>1947</u>				<u>1949</u>			
Jan...	399	107.4	314.5	Jan...			
Feb...	398	107.0	294.7	Feb...			
Mar...	395	106.1	291.0	Mar...			
Apr...	367	98.6	225.8	Apr...			
May...	389	104.7	290.3	May...			
June..	392	105.4	300.6	June..			
July..	363	97.5	229.7	July..			
Aug...	390	105.0	314.7	Aug...			
Sept..	394	106.0	321.6	Sept..			
Oct...	397	106.8	327.5	Oct...			
Nov...	399	107.4	327.4	Nov...			
Dec...	402	108.3	345.8	Dec...			

^{1/} Estimates and indexes have been adjusted to levels indicated by data through 1946 made available by the Federal Security Agency. Hours and earnings were not affected by this adjustment.

Source: U. S. Bureau of Labor Statistics (6-48)

EXPLANATORY NOTES

Sec. A. Revisions of Employment Estimates - The employment estimates shown in this report for the industry divisions (e.g., manufacturing, mining, etc.) and industry groups (e.g., iron and steel, electrical machinery, etc.) have been adjusted to levels indicated by bench-mark data through 1946 and supersede data shown in mimeographed releases dated prior to June 1948 and in the Monthly Labor Review dated prior to July 1948.

Sec. B. Sources of Bench-Mark Data - The chief purpose of revisions published in the April 1948 DETAILED REPORT, was to adjust the levels of employment estimates to bench-mark data through 1946. In preparing estimates for private employment prior to 1939, the various industrial censuses taken by the Bureau of the Census were used as sources of bench-mark data. Data obtained from the Federal Security Agency are the main bases for 1946 bench marks. Bench marks for State and local government are based on data compiled by the Bureau of the Census, while most of the data on Federal Government employment is made available by the U. S. Civil Service Commission. The Interstate Commerce Commission is the source for railroads, and the U. S. Maritime Commission for water transportation.

Sec. C. Scope of Employment Revisions - Each of the industry divisions except service was affected by the recent revisions. Adjustments have been made in the 20 major groups comprising the manufacturing industry division. Estimates for the individual manufacturing industries, formerly based on the 1939 Census of Manufactures, are now being revised. As these revisions are completed, they are published in this report and indicated by appropriate footnotes. Since the revised employment estimates shown in this report cover only the current months, a set of summary sheets presenting comparable figures from January 1939 to date, by month, for each industry will be provided upon request.

Sec. D. How Employment Estimates Are Made - Estimates of changes in the level of employment are based on reports from a sample group of establishments, inasmuch as full coverage is prohibitively costly and time-consuming. In using a sample, it is essential that an accurate base be established from which estimates may be carried forward. This base or "bench mark" is either a complete count or an estimate with a satisfactory degree of accuracy. When a new bench mark becomes available, estimates prepared since the last bench mark are reviewed to determine if any adjustment of level is required. This is the basic principle of employment estimating used by the BLS. It yields a satisfactory compromise between a slow but highly accurate complete count on the one hand, and a rapid but less accurate sample count on the other.

Briefly, the Bureau of Labor Statistics computes employment estimates as follows: first, a bench mark or level of employment is determined; second, a sample of establishments is selected; and third, changes in employment indicated by this reporting sample are applied to the bench mark to determine the monthly estimates of employment between bench-mark periods. For example, if the latest complete data on employment for an industry were 40,200 in September 1945, and if the industry has a reporting sample of 13 establishments employing 23,200 workers in September and 23,800 in October, the October estimate would be prepared as follows:

$$40,200 \times \frac{23,800}{23,200} = 41,240$$

In general, data showing month-to-month changes in employment reflect the fluctuations shown by establishments reporting to the Bureau of Labor Statistics. However, the usual estimating method is inadequate in the finance and service industries, which have a preponderance of small establishments. A special sampling procedure has been introduced, involving the scientific selection of a sample of cities and of a representative list of blocks in these cities. Data obtained from the establishments in these blocks yield substantially better estimates of month-to-month changes in employment in the finance and service industries than would be obtained by the use of the sampling procedure employed for other industries. For railroads and the Federal Government, complete reports of employment are available.

Why Revisions are Necessary - Because reports are not immediately available from new firms, they are frequently introduced into the Bureau of Labor Statistics sample after they have been in operation for some time. This lapse of time produces a rather consistent understatement which becomes larger from year to year. It is important, therefore, that estimates not be allowed to go uncorrected for too long a period. The most recent revisions correct for the downward bias that had accumulated in the nonmanufacturing series beginning January 1945 and in the manufacturing series beginning January 1946. Revisions in some industry divisions were made in order to incorporate greater refinements in methodology and new source materials that have become available.

Sec. E. Comparability With Other Types of Employment Data - The Bureau of Labor Statistics employment estimates are based upon reports submitted by cooperating establishments and therefore differ from employment information obtained by household interviews, such as the Monthly Report of the Labor Force. The Bureau of Labor Statistics estimates of employment in nonagricultural establishments differ from the Monthly Report of the Labor Force total nonagricultural employment estimates in several important respects. For example: (1) The Bureau of Labor Statistics estimates cover all full- and part-time wage and salary workers in private nonagricultural establishments who worked or received pay during the pay period ending nearest the 15th of the month; in Federal establishments during the pay period ending just before the first of the month; and in State and local government during the pay period ending on or just before the last of the month. Persons who worked in more than one establishment during the reporting period would be counted more than once; (2) Proprietors, self-employed persons, domestic servants, and unpaid family workers are excluded.

Sec. F. Pay-Roll Indexes - Cooperating establishments are instructed to report pay rolls of production or nonsupervisory workers prior to deduction for old age and unemployment insurance, withholding taxes, bonds, and union dues. Pay for sick leave, holidays, and vacations taken is included. Respondents are instructed to exclude pay for vacations not taken as well as cash estimates of any payments in kind. Bonuses, unless earned and paid regularly each pay period, are also excluded.

The methodology for obtaining pay-roll estimates is similar to that for employment estimates. Sample changes showing monthly movements are used in projecting established bench marks to secure current pay-roll estimates. These pay-roll estimates are converted into indexes, using the 1939 average as a base.

Sec. G. Source of Data - Employment and pay-roll estimates are based on reports from cooperating establishments. Excluding about 9,000 block-sample returns, the approximate number of establishments, and workers covered, for each of the industry divisions are shown below.

Approximate Coverage of BLS Employment
and Pay-Roll Sample

Industry division	: Number of : Establishments	: Employees or production workers : Number	: Percent of total
Manufacturing	34,200	7,503,000	59
Mining	2,800	361,000	53
Contract construction	14,000	492,000	25
Public utilities	7,200	912,000	77
Trade:			
Wholesale	12,400	343,000	19
Retail	35,000	935,000	22
Service:			
Hotels (year-round)	1,200	133,000	35
Power laundries and cleaning and dyeing	1,600	68,000	21

Sec. H. Coverage of Employment Estimates - The employment estimates shown in tables 1, 2, 3, 6, and 7 cover all full- and part-time wage and salary workers who worked or received pay during the pay period ending nearest the 15th of the month. Proprietors, self-employed persons, domestic servants, and personnel of the armed forces are excluded. The estimates and indexes shown in tables 8 and 10 refer to production and related workers as defined in the Glossary, page vi.

Sec. I. State Estimates - State estimates are prepared in cooperation with various State Agencies as indicated below. The estimates for manufacturing have been adjusted to recent data made available under the Federal Social Security program. Since some states have adjusted to more recent bench-mark data than others, and because varying methods of computation are used, the total of the state estimates differs from the national total (see tables 1 and 2). Because of these recent revisions the state estimates for manufacturing are not consistent with the unrevised data shown prior to June 1947 for total employment in nonagricultural establishments, by state. Comparable series of manufacturing estimates for each state, January 1943 to date, and also for nonagricultural employment for selected states, through December 1946 are available upon request to the cooperating State agency or the appropriate Bureau of Labor Statistics regional office. Estimates of nonagricultural employment, by state, for these States which are now publishing such estimates are shown in table 6. These totals are consistent with the manufacturing estimates in table 7. As nonagricultural estimates for additional States become available, they will be shown in table 6.

Cooperating State Agencies

Alabama - Dept. of Industrial Relations, Montgomery 5.
Arizona - Employment Security Commission, Phoenix.
Arkansas - Employment Security Div., Dept. of Labor, Little Rock.
California - Div. of Labor Statistics and Research, San Francisco 2.
Connecticut - Employment Security Div., Hartford 15.
Delaware - Federal Reserve Bank of Philadelphia, Philadelphia 1, Pa.
Florida - Industrial Commission, Tallahassee.
Georgia - Employment Security Administration, Atlanta 3.
Illinois - Dept. of Labor, Chicago 1.
Indiana - Employment Security Div., Indianapolis 12.
Iowa - Employment Security Commission, Des Moines 8.
Kansas - State Labor Dept., Topeka.
Louisiana - Louisiana State University, Bureau of Business Research,
Baton Rouge 3.
Maine - Unemployment Compensation Commission, Augusta.
Maryland - Dept. of Labor and Industry, Baltimore 2.
Massachusetts - Dept. of Labor and Industries, Boston 33.
Michigan - Dept. of Labor and Industry, Lansing 13.
Minnesota - Div. of Employment and Security, St. Paul 1.
Missouri - Div. of Employment Security, Jefferson City.
Montana - Unemployment Compensation Commission of Montana, Helena.
Nevada - Employment Security Dept., Carson City.
New Jersey - Dept. of Labor, Trenton 8.
New Mexico - Employment Security Commission, Albuquerque.
New York - Dept. of Labor, Div. of Placement and Unemployment Insurance,
New York 17.
North Carolina - Dept. of Labor, Raleigh.
Oklahoma - Employment Security Commission, Oklahoma City 2.
Pennsylvania - Federal Reserve Bank of Philadelphia, Philadelphia 1 (Mfg.);
Dept. of Labor and Industry, Harrisburg (Nonmfg.).
Rhode Island - Dept. of Labor, Div. of Census and Statistics, Providence 2.
Tennessee - Dept. of Employment Security, Nashville 3.
Texas - University of Texas, Bureau of Business Research, Austin 12.
Utah - Dept. of Employment Security, Salt Lake City 13.
Vermont - Unemployment Compensation Commission, Montpelier.
Virginia - Dept. of Labor and Industry, Div. of Research and Statistics,
Richmond 21.
Washington - Employment Security Dept., Olympia.
Wisconsin - Industrial Commission of Wisconsin, Madison 3.
Wyoming - Employment Security Commission, Casper.

BLS REGIONAL OFFICES

New England - Regional Director, U. S. Bureau of Labor Statistics, Old
South Bldg., 294 Washington St., Boston 3, Massachusetts (Connecticut,
Maine, Massachusetts, New Hampshire, Rhode Island, Vermont).

North Atlantic - Regional Director, U. S. Bureau of Labor Statistics,
1000 Parcel Post Bldg., 341 Ninth Avenue, New York 1, New York (Delaware,
Pennsylvania, New Jersey, New York).

North Central - Regional Director, U. S. Bureau of Labor Statistics,
312 National War Agencies Bldg., 226 W. Jackson Blvd., Chicago 6, Ill.
(Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri,
Nebraska, Ohio, North Dakota, South Dakota, Wisconsin).

Southern - Regional Director, U. S. Bureau of Labor Statistics, 6th Floor Silvey Bldg., 114 Marietta Street, N. W., Atlanta 3, Georgia (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas).

Pacific-Rocky Mountain - Regional Director, U. S. Bureau of Labor Statistics, 546 Federal Office Bldg., San Francisco 2, California (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming).

Technical advice and assistance on employment statistics in the states of Virginia, West Virginia, Maryland, and the District of Columbia will be given by the Bureau's Washington Office.

GLOSSARY

Continental United States - Covers only the 48 States and the District of Columbia.

Contract construction - Covers only firms engaged in the construction business on a contract basis for others. Force-account construction workers, i.e., hired directly by and on the pay rolls of Federal, State, and local government, public utilities, and private establishments, are excluded.

Defense Agencies - Covers civilian employees of the National Military Establishment, Maritime Commission, National Advisory Committee for Aeronautics, The Panama Canal, Philippine Alien Property Administration, Philippine War Damage Commission, Office of Selective Service Records, War Assets Administration, Office of Defense Transportation, Office of Scientific Research and Development, National Security Resources Board.

Family Allowances - Represents the Government's contribution; the amount contributed by the personnel is included under pay rolls.

Federal Government-Executive branch - Includes U. S. Navy Yards, Federal arsenals, and force-account construction. Fourth-class postmasters are included under the executive branch in table 3, but are excluded from the government data shown in table 1. Employment shown here for the executive branch differs from data published by the U. S. Civil Service Commission in the following respects: (1) Employment collected and published by the Civil Service Commission as of the last day of the month, is here presented as of the first day of the next month, (2) substitute rural mail carriers are excluded; (3) employment includes in December of each year the additional postal employees necessitated by the Christmas season, excluded from published Civil Service Commission figures starting 1942; (4) seamen and trainees who are hired and paid by private steamship companies having contracts with the Maritime Commission are excluded; (5) the Panama Railroad Company is shown here under Government corporations but is included under the executive branch by the Civil Service Commission.

Finance - Covers establishments operating in the fields of finance, insurance, and real estate; excludes the Federal Reserve District Banks and the mixed ownership banks of the Farm Credit Administration.

Government - Covers Federal, State, and local governmental establishments performing legislative, executive, and judicial functions, as well as all government-owned and operated establishments and institutions (arsenals, navy yards, hospitals, Federal Reserve banks, etc.) and government force-account construction. The data shown in table 1 exclude fourth-class postmasters because they presumably have other major jobs.

Government corporations - Covers only three corporations: The Panama Railroad Company, the Federal Reserve banks, and the mixed-ownership banks of the Farm Credit Administration. All other corporations are included under the executive branch.

Indexes of production-worker employment - Estimates of production-worker employment expressed as a percentage of the average employment in 1939.

Indexes of production-worker weekly pay rolls - Estimates of production-worker weekly pay rolls expressed as a percentage of the average weekly pay roll for 1939.

Leave payments - Payments were authorized by Public Law 704 of the 79th Congress and were continued by Public Law 254 of the 80th Congress to enlisted personnel who were discharged prior to September 1, 1946 for accrued and unused leave and to officers and enlisted personnel then on active duty for leave accrued in excess of 60 days. Value of bonds represents face value; interest is paid in addition when bonds are cashed. Lump-sum payments for terminal leave, which were authorized by Public Law 350 of the 80th Congress, and were started October 1947, are excluded here and included under pay rolls.

Manufacturing - Covers only privately owned establishments; governmental manufacturing operations such as arsenals and navy yards are excluded.

Military personnel and pay rolls - Data are for personnel on active duty. Reserve personnel are excluded if on inactive duty or if on active duty for a brief training or emergency period. Personnel is as of the first of the month and pay rolls are for the entire month. Through October 1, 1947, discharged officer personnel were included until the end of their terminal-leave period; discharged enlisted personnel were included from October 1, 1946 through October 1, 1947 only. After October 1, 1947, lump-sum terminal-leave payments at time of discharge (authorized by Public Law 350 of the 80th Congress) were made.

Coast Guard pay rolls for all periods and Army pay rolls through April 1947 represent actual expenditures. Other pay rolls represent estimated obligations based on an average monthly personnel count. Pay rolls for the Navy and Coast Guard include cash payments for clothing-allowance balances in January, April, July, and October.

Mining - Covers establishments engaged in the extraction from the earth of organic and inorganic minerals which occur in nature as solids, liquids, or gases; includes various contract services required in mining operations, such as removal of overburden, tunnelling and shafting, and the drilling or acidizing of oil wells; also includes ore dressing, beneficiating, and concentration.

Nonagricultural establishments - Governmental or private business establishments; (1) that are physically located within continental United States; and (2) whose principal activity can be classified under one of the following industry divisions--manufacturing, mining, contract construction, transportation and public utilities, wholesale and retail trade, finance, service, or government.

Pay rolls - Private pay rolls represent pay rolls of production and related workers (or nonsupervisory employees and working supervisors) before deductions for old-age and unemployment insurance, group insurance, withholding tax, bonds, and union dues, but after deductions for damaged work. Includes pay for sick leave, holidays, and vacations taken. Excludes cash payments for vacations not taken, retroactive pay not earned during period reported, value of payments in kind, and bonuses, unless earned and paid regularly each pay period. In mining industries further deductions are made for explosives or other supplies furnished by the company. In coal mining portal-to-portal pay is included. Federal civilian pay rolls are for all employees before deductions for income tax, retirement, and bonds.

Production and related workers - Includes working foremen and all non-supervisory workers (including lead men and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial, watchman services, products development, auxiliary production for plant's own use (e.g., power plant) and record-keeping and other services closely associated with the above production operations. Excludes supervisory employees (above the working foreman level) and their clerical staffs, routemen, salesmen, and other groups of nonproduction workers defined below under wage and salary workers.

Service - Covers establishments primarily engaged in rendering services to individuals and business firms. Excludes automobile repair services, government owned and operated hospitals, museums, etc., and domestic service.

Trade - Covers establishments engaged in wholesale trade, i.e., selling merchandise to retailers, and in retail trade, i.e., selling merchandise for personal or household consumption, and rendering services incidental to the sale of goods. Includes auto repair services.

Transportation and public utilities - Covers only privately owned and operated enterprises engaged in providing all types of transportation and related services; telephone, telegraph and other communication services; or providing electricity, gas, steam, water, or sanitary service. Government owned and operated establishments are included under government.

Wage and salary workers - In addition to production and related workers as defined above, includes workers engaged in the following activities: executive, purchasing, finance, accounting, legal, personnel (including cafeterias, medical, etc.), professional and technical activities, sales, sales-delivery, advertising, credit, collection, and in installation and servicing of own products, routine office functions, factory supervision (above the working foreman level) and other workers not included as production workers. Also includes employees on the establishment pay roll engaged in new construction and major additions or alterations to the plant who are utilized as a separate work force (ferroc-account construction workers).

Wage earner - See production workers.

Washington, D. C. - Data for the executive branch of the Federal Government also include areas in Maryland and Virginia which are within the metropolitan area, as defined by the Bureau of the Census.