

EMPLOYMENT and PAY ROLLS

**DETAILED REPORT
MARCH 1949**

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

Prepared by
Division of Employment Statistics
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EMPLOYMENT AND PAY ROLLS

Detailed Report

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

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

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TABLE 1: Estimated Number of Wage and Salary Workers in Nonagricultural Establishments, by Industry Division

(In thousands)

Industry division	1949			1948	
	March	February	January	March	February
TOTAL	43,871	44,016	44,350	44,600	44,279
Manufacturing	15,597	15,774	15,890	16,269	16,183
Mining	914	922	925	924	914
Contract construction	1,838	1,820	1,906	1,805	1,731
Transportation and public utilities	3,920	3,956	3,978	4,032	4,019
Trade	9,531	9,513	9,625	9,598	9,520
Finance	1,718	1,712	1,716	1,697	1,690
Service	4,591	4,560	4,549	4,729	4,730
Government	5,762	5,759	5,761	5,546	5,492

See explanatory notes, sections A - H, and the glossary for definitions.

TABLE 2: Estimated Number of Wage and Salary Workers in Manufacturing Industries, by Major Industry Group

(In thousands)

Major industry group	1949			1948	
	March	February	January	March	February
ALL MANUFACTURING	15,597	15,774	15,890	16,269	16,183
DURABLE GOODS	7,782	7,895	8,005	8,258	8,167
Iron and steel and their products	1,835	1,865	1,892	1,929	1,920
Electrical machinery	680	699	715	756	763
Machinery, except electrical	1,489	1,515	1,536	1,587	1,591
Transportation equipment, except automobiles	574	577	580	589	589
Automobiles	951	952	972	985	914
Nonferrous metals and their products	437	449	455	482	478
Lumber and timber basic products	787	793	800	827	813
Furniture and finished lumber products	519	527	529	576	581
Stone, clay, and glass products	510	518	526	527	518
NONDURABLE GOODS	7,815	7,879	7,885	8,011	8,016
Textile-mill products and other fiber manufactures	1,271	1,313	1,323	1,435	1,428
Apparel and other finished textile products	1,364	1,366	1,310	1,334	1,333
Leather and leather products	412	412	410	442	448
Food	1,696	1,694	1,723	1,655	1,658
Tobacco manufactures	95	96	96	100	101
Paper and allied products	471	476	481	480	479
Printing, publishing, and allied industries	724	727	729	722	724
Chemicals and allied products	774	777	784	773	773
Products of petroleum and coal	237	237	238	238	237
Rubber products	232	235	240	253	257
Miscellaneous industries	539	546	551	579	578

See explanatory notes, sections A - H, and the glossary for definitions.

4.

TABLE 3: Estimated Number of Wage and Salary Workers in Selected Nonmanufacturing Industries, by Major Industry Group

(In thousands)

Major industry group	1949			1948	
	March	February	January	March	February
MINING	914	922	925	924	914
Anthracite	80	81	82	82	81
Bituminous coal	409	417	419	419	415
Metal	105	104	100	102	101
Quarrying and nonmetallic	87	85	87	90	87
Crude petroleum and natural gas production <u>1/</u>	233	235	237	231	230
TRANSPORTATION AND PUBLIC UTILITIES	3,920	3,956	3,978	4,032	4,019
Transportation	2,671	2,703	2,729	2,808	2,802
Communication	732	736	734	728	723
Other public utilities	517	517	515	496	494
GOVERNMENT	5,762	5,759	5,761	5,546	5,492
Federal	1,877	1,877	1,876	1,758	1,746
State and local	3,885	3,882	3,885	3,788	3,746

See explanatory notes, sections A - H, and the glossary for definitions.

1/ 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)			
	1949			1948	1949			1948
	March	February	January	March	March	February	January	March
<u>All Areas</u>								
TOTAL FEDERAL	2,089.8	2,089.0	2,089.5	1,996.3	\$578,296	\$518,356	\$537,916	\$498,325
Executive	2,050.6	2,049.8	2,050.4	1,956.5	568,035	508,534	527,868	488,676
Defense agencies	934.4	935.2	933.7	897.9	253,767	220,851	230,653	218,706
Post Office Department	475.0	475.0	475.8	431.7	120,212	119,978	121,598	102,124
Other agencies	641.2	639.6	640.9	626.9	194,046	167,705	175,617	167,846
Legislative	7.5	7.4	7.4	7.2	2,763	2,650	2,657	2,499
Judicial	3.6	3.6	3.5	3.5	1,455	1,306	1,352	1,343
Government corporations	28.1	28.2	28.2	29.1	6,053	5,866	6,039	5,807
<u>Continental United States</u>								
TOTAL FEDERAL	1,897.2	1,897.6	1,896.0	1,770.6	535,848	481,266	498,625	456,878
Executive	1,864.7	1,865.2	1,863.6	1,738.0	526,315	472,094	489,363	447,901
Defense agencies	780.8	782.0	777.7	708.9	221,398	192,503	200,204	185,284
Post Office Department	473.2	473.3	474.1	430.1	119,766	119,540	121,154	101,765
Other agencies	610.7	609.9	611.8	599.0	185,151	160,051	168,005	160,852
Legislative	7.5	7.4	7.4	7.2	2,763	2,650	2,657	2,499
Judicial	3.5	3.5	3.5	3.4	1,414	1,268	1,314	1,305
Government corporations	21.5	21.5	21.5	22.0	5,356	5,254	5,291	5,173
<u>Washington, D. C.</u>								
TOTAL GOVERNMENT	239.9	238.9	237.5	226.3	78,371	68,631	71,434	65,336
D. C. government	19.1	19.1	18.9	18.7	4,790	4,418	4,647	4,518
Federal	220.8	219.8	218.6	207.6	73,581	64,213	66,787	60,818
Executive	212.7	211.8	210.6	199.8	70,574	61,345	63,904	58,104
Defense agencies	72.0	71.7	71.2	66.1	23,112	20,046	20,687	17,900
Post Office Department	7.6	7.6	7.6	7.4	2,100	2,070	2,132	2,340
Other agencies	133.1	132.5	131.8	126.3	45,362	39,229	41,085	37,864
Legislative	7.5	7.4	7.4	7.2	2,763	2,650	2,657	2,499
Judicial	.6	.6	.6	.6	244	218	226	215

See the glossary for definitions.

1/ Data for Central Intelligence Agency are excluded.

6.

TABLE 5: Personnel and Pay of the Military Branch of the Federal Government ^{1/}

(In thousands)

Designation	1949			1948	
	March	February	January	March	February
PERSONNEL (as of first of month)					
Total	1,681	1,687	1,644	1,423	1,419
<u>By branch:</u>					
Army	703	712	677	544	552
Air Force	417	416	412	365	353
Navy	451	450	447	413	414
Marine Corps	87	87	86	80	80
Coast Guard	22	22	22	20	20
<u>By sex:</u>					
Men	1,664	1,671	1,629	1,406	1,402
Women	16	16	15	17	17
PAY (for entire month)					
Total	\$289,043	\$290,041	\$299,593	\$285,011	\$281,423
<u>By branch:</u>					
Army and Air Force	188,587	187,813	195,048	175,697	170,209
Navy	81,204	84,201	85,638	90,459	91,172
Marine Corps	14,504	13,591	14,123	14,233	15,582
Coast Guard	4,747	4,437	4,785	4,622	4,460
<u>By type of pay:</u>					
Pay rolls	255,340	257,503	265,618	242,969	240,493
Mustering-out pay	4,511	4,292	5,023	13,050	11,838
Family allowance	29,108	28,163	28,709	24,997	23,566
Leave payments	84	85	243	3,995	5,526
Cash	34	30	123	905	1,182
Bonds	50	55	120	3,090	4,344

See the glossary for definitions.

^{1/} Because of rounding, the individual figures may not add to group totals.

TABLE 6: Estimated Number of Wage and Salary Workers in Nonagricultural Establishments for Selected States, February 1949

(In thousands)

State	1949			1948	
	February	January	December	February	January
Arizona	155	155	159	155	155
Arkansas	289	295	311	276	282
California *	2,970	2,992	3,117	3,024	3,037
Connecticut	739	751	778	770	771
Georgia	727	730	753	731	737
Idaho	118	123	131	115	117
Illinois	3,112	3,157	3,256	3,151	3,172
Indiana	1,163	1,176	1,225	1,180	1,186
Kansas	429	434	454	411	419
Maine	248	251	262	259	* 262
Maryland	690	699	723	676	682
Massachusetts	1,662	1,680	1,755	*1,715	1,720
Minnesota	767	775	809	* 764	773
Missouri	1,099	1,112	1,158	1,114	1,125
Montana	135	137	142	* 133	134
Nevada <u>1/</u>	46	46	48	47	48
New Jersey	1,523	1,538	1,586	1,553	1,561
New Mexico	127	127	130	120	121
New York	5,454	5,481	5,699	5,508	5,517
Oklahoma	459	462	486	432	439
Pennsylvania	3,549	3,581	3,701	3,546	3,566
Rhode Island	273	276	288	* 290	* 290
Tennessee	714	720	749	721	720
Texas	1,747	1,752	1,808	1,664	1,677
Utah	169	168	184	171	173
Vermont <u>1/</u>	91	92	95	94	94
Washington	641	646	688	642	647
Wisconsin	961	971	1,006	972	971
Wyoming	73	74	78	69	70

See explanatory notes, sections H and I.

1/ Does not include contract construction.

* Revised. Data for other months revised as follows:

California - August through November 1948 to 3,147, 3,162, 3,123 and 3,086.

Maine - March through September 1948 to 256, 251, 256, 268, 277, 281, and 278.

Massachusetts - March 1948 to 1,720; April 1948 to 1,712; October 1948 to 1,733; and November 1948 to 1,728.

Minnesota - March 1948 to 762.

Montana - April 1948 to 136; June 1948 to 139.

Rhode Island - March through November 1948 to 292, 290, 288, 289, 287, 286, 290, 289, and 289.

8.
**TABLE 7: Estimated Number of Wage and Salary Workers in Manufacturing Industries,
 by State, February 1949**

(In thousands)

Region and State	1949			1948	
	February	January	December	February	January
NEW ENGLAND:					
Maine 1/	106.3	107.8	109.3	114.3	*116.0
New Hampshire	77.9	77.7	79.2	85.6	85.8
Vermont 1/	34.5	35.4	36.2	38.8	39.1
Massachusetts	690.8	696.7	715.5	746.0	747.3
Rhode Island	134.3	136.1	139.5	154.5	153.5
Connecticut 1/	379.0	387.6	395.1	418.8	417.4
MIDDLE ATLANTIC:					
New York	1,809.0	1,807.8	1,853.1	*1,912.1	1,902.0
New Jersey	702.4	707.2	724.7	757.8	757.3
Pennsylvania	1,446.9	1,461.8	1,498.9	1,513.1	1,515.6
EAST NORTH CENTRAL:					
Ohio	1,180.5	1,190.6	1,210.4	1,243.9	1,246.0
Indiana	528.0	533.5	542.9	553.4	556.3
Illinois	1,191.7	1,211.5	1,234.5	1,267.0	1,271.0
Michigan	947.4	972.9	988.5	970.7	1,019.6
Wisconsin 1/	411.4	415.5	426.5	434.2	433.9
WEST NORTH CENTRAL:					
Minnesota 1/	189.7	191.7	197.5	199.0	200.0
Iowa 1/	152.3	153.9	155.9	154.7	155.5
Missouri 1/	339.3	342.0	345.5	349.2	350.3
North Dakota	6.4	6.6	6.6	6.4	6.6
South Dakota	11.6	11.7	12.0	11.1	11.2
Nebraska	41.6	42.4	42.9	43.0	43.8
Kansas 1/	86.0	86.6	87.8	79.8	81.6
SOUTH ATLANTIC:					
Delaware	44.8	44.5	44.8	45.9	45.7
Maryland	218.0	219.1	227.7	228.5	226.9
District of Columbia	16.8	16.7	17.1	16.8	17.3
Virginia	205.9	206.3	211.3	213.5	213.6
West Virginia	128.4	129.6	132.3	130.3	132.4
North Carolina	358.5	360.1	367.2	380.4	382.7
South Carolina	190.9	188.8	193.0	196.9	198.3
Georgia 1/	265.7	266.6	271.7	280.1	281.3
Florida 1/	99.5	99.3	99.7	98.9	100.3

TABLE 7: Estimated Number of Wage and Salary Workers in Manufacturing Industries,
by State, February 1949 - Continued

(In thousands)

Region and State	1949			1948	
	February	January	December	February	January
EAST SOUTH CENTRAL:					
Kentucky	122.4	122.7	126.8	129.4	129.5
Tennessee <u>1/</u>	236.4	235.7	245.3	256.1	255.4
Alabama <u>1/</u>	220.8	223.3	224.8	230.2	232.7
Mississippi	81.3	83.5	86.6	90.5	95.5
WEST SOUTH CENTRAL:					
Arkansas <u>1/</u>	70.9	74.7	77.1	69.8	71.9
Louisiana <u>1/</u>	147.4	148.6	150.9	142.6	150.4
Oklahoma <u>1/</u>	63.5	64.3	66.7	62.6	64.0
Texas	337.1	343.1	353.3	*340.1	342.7
MOUNTAIN:					
Montana	16.9	16.9	18.1	17.3	17.7
Idaho <u>1/</u>	17.5	19.0	20.9	17.6	18.2
Wyoming <u>1/</u>	6.0	6.1	6.4	5.7	6.0
Colorado	52.7	53.5	55.9	55.1	57.2
New Mexico <u>1/</u>	9.5	9.5	9.9	8.2	8.3
Arizona <u>1/</u>	14.8	14.6	15.2	14.6	14.7
Utah <u>1/</u>	25.5	25.5	27.7	24.1	25.1
Nevada <u>1/</u>	3.1	3.2	3.3	* 3.4	3.3
PACIFIC:					
Washington <u>1/</u>	163.4	163.5	174.5	167.2	169.4
Oregon	102.1	102.9	109.9	109.2	109.8
California	693.7	703.6	727.1	703.5	705.0

See explanatory notes, sections H and I.

1/ Series based on Standard Industrial Classification.

* Revised. Data for other months revised as follows:

Maine - March through September 1948 to 111.2; 103.6; 105.9; 111.8;
117.1; 121.5; and 120.4.

New York - March through October 1948 to 1,904.0; 1,849.9; 1,829.5;
1,842.7; 1,818.4; 1,878.4, 1,900.0; and 1,896.9.

Texas - March 1948 to 337.0.

10.

TABLE 8: Estimated Number of Production Workers in Manufacturing Industries

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
ALL MANUFACTURING	12,393	12,560	12,673	13,131	13,066
DURABLE GOODS	6,314	6,420	6,525	6,791	6,711
NONDURABLE GOODS	6,079	6,140	6,148	6,340	6,355
<u>Durable goods</u>					
IRON AND STEEL AND THEIR PRODUCTS	1,545	1,574	1,597	1,634	1,628
Blast furnaces, steel works, and rolling mills	547.3	547.6	543.0	516.1	508.5
Gray-iron and semisteel castings	101.6	105.8	109.0	119.9	120.5
Malleable-iron castings	33.5	34.8	36.6	37.9	37.8
Steel castings	70.5	72.3	73.8	73.0	72.3
Cast-iron pipe and fittings	28.8	28.7	29.8	28.3	28.0
Tin cans and other tinware	42.7	43.1	44.8	44.5	45.7
Wire drawn from purchased rods	27.0	27.8	28.5	30.6	30.9
Wirework	39.9	41.1	41.6	43.4	42.5
Cutlery and edge tools	21.9	22.7	23.2	24.0	24.6
Tools (except edge tools, machine tools, files, and saws)	23.2	23.3	24.0	25.7	25.8
Hardware	49.3	50.8	52.1	57.2	56.9
Plumbers' supplies	37.4	39.6	41.4	40.2	40.0
Stoves, oil burners, and heating equipment, not elsewhere classified	60.0	61.8	64.0	87.5	91.0
Steam and hot-water heating apparatus and steam fittings	57.4	60.0	63.3	66.0	66.5
Stamped and enameled ware and galvanizing	99.9	105.7	106.4	120.1	121.2
Fabricated structural and ornamental metalwork	62.9	64.1	65.0	63.9	63.4
Metal doors, sash, frames, molding, and trim	9.6	9.9	10.3	10.5	10.2
Bolts, nuts, washers, and rivets	27.4	28.2	28.4	28.9	28.7
Forgings, iron and steel	37.0	37.6	38.1	37.5	37.6
Wrought pipe, welded and heavy-riveted	19.3	19.6	19.6	19.2	19.1
Screw-machine products and wood screws	32.9	33.8	35.1	36.8	36.6
Steel barrels, kegs, and drums	6.9	7.3	7.6	7.9	8.1
Firearms	22.9	22.4	22.6	20.8	20.4
ELECTRICAL MACHINERY	505	521	536	577	584
Electrical equipment	339.8	347.4	354.5	382.9	387.7
Radios and phonographs	83.8	88.6	93.6	97.6	99.2
Communication equipment	81.3	85.3	88.4	96.5	97.2

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Estimated Number of Production Workers in Manufacturing Industries-Cont'd

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
MACHINERY, EXCEPT ELECTRICAL	1,133	1,158	1,179	1,232	1,237
Machinery and machine-shop products	476.6	489.9	499.1	518.6	521.3
Engines and turbines	50.6	51.5	52.3	54.7	54.4
Tractors	60.7	61.4	61.8	62.2	61.9
Agricultural machinery, excluding tractors	76.2	76.0	76.5	75.9	74.6
Machine tools	42.5	43.3	44.1	49.2	50.4
Machine-tool accessories	50.9	52.0	53.5	55.9	56.3
Textile machinery	40.2	41.0	41.2	41.1	40.8
Pumps and pumping equipment	66.4	67.7	68.6	73.7	75.4
Typewriters	15.1	16.1	16.8	24.9	25.1
Cash registers; adding, and calculating machines	40.8	41.5	42.4	46.1	45.9
Washing machines, wringers, and driers, domestic	8.6	9.6	10.2	16.3	16.5
Sewing machines, domestic and industrial	15.2	15.0	15.1	13.7	13.5
Refrigerators and refrigeration equipment	72.9	73.8	76.3	81.0	81.6
TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES	439	442	444	465	464
Locomotives	25.9	25.9	25.7	26.6	26.5
Cars, electric- and steam-railroad	55.4	56.7	56.2	54.4	54.0
Aircraft and parts, excluding aircraft engines	151.9	150.9	151.8	136.1	135.3
Aircraft engines	28.7	28.5	28.7	24.6	24.9
Shipbuilding and boatbuilding	83.8	85.9	87.8	125.8	127.7
Motorcycles, bicycles, and parts	8.9	8.9	9.5	14.8	14.6
AUTOMOBILES	759	760	776	784	720
NONFERROUS METALS AND THEIR PRODUCTS	368	378	385	413	409
Smelting and refining, primary, of nonferrous metals	41.1	40.6	40.7	40.8	40.2
Alloying; and rolling and drawing of nonferrous metals, except aluminum	48.9	52.6	54.4	54.6	53.1
Clocks and watches	22.8	23.1	24.2	28.8	28.6
Jewelry (precious metals) and jewelers' findings	25.5	26.0	26.0	27.6	27.5
Silverware and plated ware	26.0	26.7	27.0	27.5	27.1
Lighting equipment	29.1	30.4	29.9	33.1	33.9
Aluminum manufactures	38.7	38.7	39.7	45.2	45.2
Sheet-metal work, not elsewhere classified	32.1	32.9	34.3	38.3	38.4

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Estimated Number of Production Workers in Manufacturing Industries -Cont'd

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
LUMBER AND TIMBER BASIC PRODUCTS	703	710	720	749	736
Sawmills and logging camps	566.0	569.4	574.4	606.9	594.1
Planing and plywood mills	137.3	140.5	145.4	142.3	141.1
FURNITURE AND FINISHED LUMBER PRODUCTS	429	437	440	485	490
Mattresses and bedsprings	32.0	31.8	31.4	37.0	38.6
Furniture	234.8	240.5	242.1	263.7	266.2
Wooden boxes, other than cigar	30.6	30.8	31.8	37.0	37.6
Caskets and other morticians' goods	17.5	18.0	18.7	20.9	20.7
Wood preserving	16.8	16.5	16.6	16.7	16.7
Wood, turned and shaped	32.1	32.1	32.5	35.7	35.1
STONE, CLAY, AND GLASS PRODUCTS	433	440	448	452	443
Glass and glassware	109.4	111.2	113.6	121.7	118.8
Glass products made from purchased glass	13.2	14.0	14.4	14.4	14.3
Cement	36.2	36.4	36.5	35.3	35.2
Brick, tile, and terra cotta	77.3	78.5	79.9	77.3	75.3
Pottery and related products	59.7	60.4	60.2	58.9	57.8
Gypsum	7.4	7.3	7.4	7.6	7.6
Wallboard, plaster (except gypsum), and mineral wool	12.6	13.2	14.3	14.3	14.4
Lime	10.3	10.4	10.4	10.9	10.7
Marble, granite, slate, and other products	19.1	18.9	18.4	18.4	17.9
Abrasives	19.7	20.1	20.6	20.1	19.7
Asbestos products	22.4	23.2	24.1	25.3	25.1
<u>Nondurable goods</u>					
TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES	1,149	1,190	1,200	1,312	1,306
Cotton manufactures, except smallwares	479.3	490.6	494.9	529.4	525.3
Cotton smallwares	12.7	12.6	12.8	14.9	14.9
Silk and rayon goods	108.5	114.9	118.0	120.0	119.2
Woolen and worsted manufactures, except dyeing and finishing	128.3	144.2	149.1	178.3	179.5
Hosiery	136.9	139.0	137.7	151.9	150.8
Knitted cloth	10.9	10.9	10.9	11.7	11.7
Knitted outerwear and knitted gloves	31.3	32.0	31.4	34.0	33.9
Knitted underwear	40.4	40.7	40.4	54.1	53.5
Dyeing and finishing textiles, including woolen and worsted	90.3	91.1	90.2	95.1	95.5
Carpets and rugs, wool	38.8	39.7	40.0	39.4	39.0
Hats, fur-felt	11.1	11.6	11.7	13.7	13.7
Jute goods, except felts	4.2	4.2	4.3	4.1	4.2
Cordage and twine	14.3	14.6	14.7	17.1	17.2

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Estimated Number of Production Workers in Manufacturing Industries -Cont'd

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	1,178	1,180	1,129	1,165	1,166
Men's clothing, not elsewhere classified	289.5	290.7	279.8	291.3	288.2
Shirts, collars, and nightwear	68.6	67.4	63.5	74.4	74.1
Underwear and neckwear, men's	19.0	18.8	17.4	19.0	18.7
Work shirts	16.0	16.1	14.0	15.4	14.8
Women's clothing, not elsewhere classified	498.5	502.9	484.1	481.7	485.3
Corsets and allied garments	18.4	18.4	18.8	19.9	20.1
Millinery	24.9	24.3	22.1	24.2	24.5
Handkerchiefs	5.4	5.2	5.4	5.1	5.0
Curtains, draperies, and bedspreads	20.1	20.1	17.6	23.2	25.6
Housefurnishings, other than curtains, etc.	26.7	24.8	24.0	24.0	23.1
Textile bags	23.6	24.0	23.8	21.7	22.0
LEATHER AND LEATHER PRODUCTS	368	368	365	396	402
Leather	45.2	46.0	46.5	49.2	50.3
Boot and shoe cut stock and findings	17.3	17.4	17.1	18.9	19.5
Boots and shoes	239.5	239.3	237.2	254.1	257.8
Leather gloves and mittens	10.0	9.7	9.4	12.5	12.5
Trunks and suitcases	12.0	11.8	11.0	13.9	14.0
FOOD	1,155	1,153	1,182	1,149	1,159
Slaughtering and meat packing	199.9	205.1	213.1	193.6	199.9
Butter	33.8	33.1	33.3	34.3	32.0
Condensed and evaporated milk	20.0	19.2	19.0	19.3	18.8
Ice cream	25.5	24.4	23.5	24.4	23.6
Flour	39.7	40.6	41.4	40.3	40.7
Feeds, prepared	28.9	28.9	28.7	26.3	27.4
Cereal preparations	13.4	13.1	12.8	12.1	12.4
Baking	244.8	243.7	244.4	241.7	238.7
Sugar refining, cane	25.2	24.7	24.6	23.5	24.2
Sugar, beet	4.3	4.8	5.3	5.9	6.8
Confectionery	68.7	71.1	74.1	72.5	77.3
Beverages, nonalcoholic	38.8	37.8	38.7	38.4	36.1
Malt liquors	77.7	73.3	74.7	74.8	74.1
Canning and preserving	121.8	120.4	131.5	135.5	136.8
TOBACCO MANUFACTURES	82	83	83	87	88
Cigarettes	33.0	32.8	33.5	33.2	33.5
Cigars	42.2	42.3	42.1	46.2	46.2
Tobacco (chewing and smoking) and snuff	7.3	7.5	7.8	7.8	7.9

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Estimated Number of Production Workers in Manufacturing Industries -Cont'd

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
PAPER AND ALLIED PRODUCTS	381	386	391	393	392
Paper and pulp	200.3	202.4	204.5	203.8	203.0
Paper goods, other	61.0	61.5	62.2	62.0	61.9
Envelopes	12.6	12.7	12.8	12.7	12.5
Paper bags	16.1	16.4	16.5	18.2	18.0
Paper boxes	90.2	91.9	94.5	95.2	96.5
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	432	433	436	435	438
Newspapers and periodicals	152.2	150.4	149.7	144.8	144.1
Printing; book and job	181.0	184.2	186.5	185.4	187.7
Lithographing	29.5	29.5	30.1	31.4	31.8
Bookbinding	33.4	33.4	33.9	37.2	37.4
CHEMICALS AND ALLIED PRODUCTS	586	588	594	587	588
Paints, varnishes, and colors	45.3	46.0	47.1	48.6	49.3
Drugs, medicines, and insecticides	65.8	66.5	66.4	65.2	65.6
Perfumes and cosmetics	10.8	11.0	11.2	11.6	12.1
Soap	26.4	26.3	26.4	24.9	25.4
Rayon and allied products	63.6	65.2	65.1	63.7	63.7
Chemicals, not elsewhere classified	202.7	204.7	209.4	205.4	205.5
Explosives and safety fuses	26.5	26.7	27.1	25.8	25.5
Compressed and liquefied gases	9.1	9.1	9.3	9.9	9.8
Ammunition, small-arms	6.8	7.0	7.1	7.8	7.8
Fireworks	2.5	2.6	2.6	2.4	2.6
Cottonseed oil	20.6	21.4	23.8	17.6	19.5
Fertilizers	38.8	34.1	30.6	38.1	35.4
PRODUCTS OF PETROLEUM AND COAL	162	162	162	165	163
Petroleum refining	112.8	113.1	112.9	113.5	112.1
Coke and byproducts	31.9	32.0	32.3	30.7	30.3
Paving materials	2.3	2.2	2.2	1.8	1.8
Roofing materials	13.5	13.5	13.4	17.4	17.6

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Estimated Number of Production Workers in Manufacturing Industries -Cont'd

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
RUBBER PRODUCTS	183	186	191	204	208
Rubber tires and inner tubes	85.8	86.5	88.4	96.4	98.9
Rubber boots and shoes	19.9	20.6	22.4	22.6	22.8
Rubber goods, other	76.9	79.6	80.1	85.7	86.5
MISCELLANEOUS INDUSTRIES	403	411	415	447	445
Instruments (professional and scientific), and fire-control equipment	31.1	30.8	30.6	27.7	27.7
Photographic apparatus	37.2	37.6	38.4	38.8	39.0
Optical instruments and ophthalmic goods	26.1	26.3	26.1	27.2	27.4
Pianos, organs, and parts	11.5	12.2	12.6	14.8	15.7
Games, toys, and dolls	33.6	33.8	32.3	38.5	36.3
Buttons	12.4	12.6	12.5	13.8	13.4
Fire extinguishers	2.1	2.1	2.5	2.6	2.5

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 9: Estimated Number of Employees in Selected Nonmanufacturing Industries ^{1/}

(In thousands)

Industry group and industry	1949			1948	
	March	February	January	March	February
MINING: ^{2/}					
Coal					
Anthracite	75.3	76.2	77.2	77.4	76.6
Bituminous coal	392	399	401	401	397
Metal	94.1	92.8	89.8	91.4	90.2
Iron	32.1	32.0	32.0	31.5	31.0
Copper	27.8	26.7	24.2	26.9	27.0
Lead and zinc	17.1	17.0	16.9	16.3	16.3
Gold and silver	9.2	9.1	8.9	8.7	8.7
Miscellaneous	7.9	8.0	7.9	7.9	7.8
Quarrying and nonmetallic	78.2	76.6	77.8	80.0	76.8
Crude petroleum and natural gas production ^{3/}	129.2	129.6	129.5	127.1	127.1
TRANSPORTATION AND PUBLIC UTILITIES:					
Class I railroads ^{4/}	1,195	1,231	1,255	1,316	1,311
Street railways and busses ^{5/}	242	242	243	249	249
Telephone	637	640	638	627	623
Telegraph ^{6/}	32.4	32.8	33.3	36.9	36.8
Electric light and power	283	282	281	271	269
SERVICE:					
Hotels (year-round)	361	364	365	375	377
Power laundries ^{2/}	216	217	221	231	230
Cleaning and dyeing ^{2/}	84.1	83.3	84.5	90.0	86.8

See explanatory notes, sections C, D, and G, and the glossary for definitions.

^{1/} Unless otherwise noted, data include all employees.^{2/} Includes production and related workers only.^{3/} Does not include well drilling or rig building.^{4/} Includes all employees at middle of month. Excludes employees of switching and terminal companies. Class I railroads include those with over \$1,000,000 annual revenue. Source: Interstate Commerce Commission.^{5/} Includes private and municipal street-railway companies and affiliated, subsidiary, or successor trolley-bus and motor-bus companies.^{6/} 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			
	1949		1948		1949		1948	
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
ALL MANUFACTURING	151.3	153.3	154.7	160.3	349.3	357.8	363.1	358.4
DURABLE GOODS	174.9	177.8	180.7	188.1	390.1	402.7	412.7	402.0
NONDURABLE GOODS	132.7	134.0	134.2	138.4	309.5	314.0	314.7	315.7
<u>Durable goods</u>								
IRON AND STEEL AND THEIR PRODUCTS	155.9	158.8	161.1	164.8	336.7	348.4	356.7	340.8
Blast furnaces, steel works, and rolling mills	140.9	141.0	139.8	132.9	299.8	303.7	304.6	260.9
Gray-iron and semisteel castings	163.3	170.0	175.1	192.7	345.1	376.2	395.8	444.0
Malleable-iron castings	174.4	180.9	190.3	197.0	382.6	424.9	468.6	469.7
Steel castings	220.1	225.6	230.3	227.7	470.6	496.7	506.0	481.0
Cast-iron pipe and fittings	163.5	163.1	169.3	160.8	424.4	460.6	475.5	397.5
Tin cans and other tinware	134.4	135.8	140.9	140.0	306.1	306.5	317.7	289.8
Wire drawn from purchased rods	123.1	126.7	129.6	139.4	241.0	257.9	268.3	269.1
Wirework	131.2	135.3	136.9	142.9	312.1	323.0	332.0	316.4
Cutlery and edge tools	142.3	147.5	150.3	155.9	338.8	353.8	371.2	370.6
Tools (except edge tools, machine tools, files, and saws)	151.6	152.5	157.1	167.9	341.6	348.5	361.3	378.4
Hardware	138.3	142.4	146.1	160.5	324.0	335.0	347.0	373.9
Plumbers' supplies	142.6	151.0	157.9	153.2	306.3	321.8	343.3	329.0
Stoves, oil burners, and heating equipment, not elsewhere classified	122.2	125.7	130.3	178.1	260.8	261.7	277.2	388.2
Steam and hot-water heating apparatus and steam fittings	177.9	185.8	196.1	204.5	379.5	400.6	418.1	438.5
Stamped and enameled ware and galvanizing	168.9	178.7	179.8	203.0	403.5	429.3	440.0	470.6
Fabricated structural and ornamental metalwork	177.2	180.6	182.9	179.9	385.2	394.8	398.5	361.5
Metal doors, sash, frames, molding, and trim	124.5	128.4	133.0	135.4	281.2	297.4	311.7	292.2
Bolts, nuts, washers, and rivets	180.2	185.0	186.6	190.0	402.8	413.8	429.9	422.4
Forgings, iron and steel	225.9	229.4	232.6	228.8	490.2	529.4	540.5	487.5
Wrought pipe, welded and heavy-riveted	216.6	219.9	219.3	215.5	476.2	501.4	499.1	455.3
Screw-machine products and wood screws	182.6	187.6	194.5	203.9	398.0	421.3	441.3	456.5
Steel barrels, kegs, and drums	107.0	113.2	118.1	121.9	269.5	301.9	321.0	302.0
Firearms	429.0	421.3	424.9	390.0	1016.1	1011.1	1007.6	911.3
ELECTRICAL MACHINERY	194.9	201.2	206.9	222.9	424.1	442.2	454.3	459.1
Electrical equipment	186.0	190.2	194.1	209.6	403.3	420.3	427.0	432.2
Radios and phonographs	190.4	201.3	212.8	221.9	454.0	478.3	507.3	488.4
Communication equipment	250.5	262.8	272.4	297.4	506.4	524.1	547.2	578.6

See explanatory notes, sections C, F, and G, and the glossary for definitions.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949		1948		1949		1948	
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
MACHINERY, EXCEPT ELECTRICAL	214.4	219.1	223.1	233.1	448.5	463.0	473.7	475.2
Machinery and machine-shop products	229.5	236.0	240.4	249.8	484.7	501.9	517.7	514.7
Engines and turbines	271.4	275.9	280.4	293.3	579.2	601.9	609.9	632.3
Tractors	194.0	196.3	197.8	198.8	358.0	366.8	374.6	353.8
Agricultural machinery, excluding tractors	267.0	266.5	268.3	266.1	601.2	607.6	599.0	576.8
Machine tools	116.1	118.2	120.5	134.5	211.8	218.6	224.2	249.2
Machine-tool accessories	197.3	201.2	207.3	216.6	359.7	367.4	384.0	388.9
Textile machinery	183.5	187.0	188.2	187.6	423.7	429.2	437.8	443.2
Pumps and pumping equipment	266.8	272.3	275.9	296.2	594.0	619.9	609.7	638.0
Typewriters	93.3	99.6	103.4	153.5	201.6	220.4	229.5	347.5
Cash registers; adding, and calculating machines	207.3	210.9	215.5	234.2	456.3	461.8	474.2	499.9
Washing machines, wringers, and driers, domestic	114.8	128.5	136.4	218.4	236.4	259.4	274.5	454.0
Sewing machines, domestic and industrial	193.4	191.8	192.1	174.8	479.4	481.5	490.1	414.5
Refrigerators and refrigeration equipment	207.4	210.0	216.9	230.4	430.1	449.8	460.8	454.7
TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES	276.6	278.3	280.0	292.7	599.4	607.5	610.3	600.4
Locomotives	400.1	399.8	397.3	411.3	930.5	891.4	934.4	908.6
Cars, electric- and steam-railroad	225.8	231.2	229.3	221.8	533.9	563.4	557.1	490.3
Aircraft and parts, excluding aircraft engines	382.8	380.3	382.5	342.9	819.2	829.8	814.6	675.9
Aircraft engines	322.4	321.1	323.2	276.9	587.0	604.9	617.2	473.9
Shipbuilding and boatbuilding	121.0	124.0	126.8	181.6	259.5	261.7	272.3	383.7
Motorcycles, bicycles, and parts	128.2	128.3	136.4	211.7	264.1	260.7	274.4	426.6
AUTOMOBILES	188.7	188.8	193.0	195.0	415.7	441.5	455.3	396.5
NONFERROUS METALS AND THEIR PRODUCTS	160.7	164.9	168.0	180.0	345.3	363.6	372.2	377.1
Smelting and refining, primary, of nonferrous metals	148.8	147.1	147.3	147.8	343.8	339.2	344.2	307.2
Alloying; and rolling and drawing of nonferrous metals, except aluminum	126.0	135.6	140.1	140.6	242.3	276.5	296.9	283.5
Clocks and watches	112.4	113.9	119.3	141.9	279.4	282.8	295.9	339.1
Jewelry (precious metals) and jewelers' findings	176.9	180.3	180.3	191.0	368.2	375.7	370.5	391.8
Silverware and plated ware	214.5	219.8	223.0	226.5	459.0	506.4	512.7	543.3
Lighting equipment	142.2	148.6	146.1	161.7	317.3	347.2	319.8	328.4
Aluminum manufactures	164.4	164.2	168.6	192.1	332.6	341.0	349.8	362.0
Sheet-metal work, not elsewhere classified	171.0	175.4	182.7	204.4	387.6	397.9	422.8	450.6
See explanatory notes, sections C, F, and G, and the glossary for definitions.								

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in
Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949		1948		1949		1948	
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
LUMBER AND TIMBER BASIC PRODUCTS	167.3	168.9	171.2	178.3	403.5	395.7	418.2	427.6
Sawmills and logging camps	180.5	181.5	183.1	193.5	437.3	423.1	450.7	466.4
Planing and plywood mills	173.5	177.7	183.8	179.9	414.4	425.6	439.9	424.7
FURNITURE AND FINISHED LUMBER PRODUCTS	130.8	133.2	134.1	147.8	310.7	315.7	317.9	349.2
Mattresses and bedsprings	156.0	155.0	152.9	180.3	346.8	343.5	326.8	387.9
Furniture	132.0	135.2	136.1	148.2	313.8	320.5	323.0	353.4
Wooden boxes, other than cigar	108.1	108.8	112.2	130.5	258.9	263.7	274.0	320.5
Caskets and other morticians' goods	125.6	129.2	134.4	150.2	256.5	269.6	282.6	315.7
Wood preserving	133.7	131.0	131.8	132.7	366.7	350.6	362.1	331.6
Wood, turned and shaped	130.6	130.7	132.3	145.5	313.8	315.2	317.3	339.0
STONE, CLAY, AND GLASS PRODUCTS	147.6	150.0	152.5	153.9	335.9	344.5	349.5	336.6
Glass and glassware	153.4	155.8	159.2	170.6	352.2	366.8	371.9	370.0
Glass products made from purchased glass	131.8	140.0	143.6	143.5	289.2	313.9	322.9	307.8
Cement	148.6	149.5	149.8	144.8	306.5	303.6	308.1	278.5
Brick, tile, and terra cotta	133.2	135.2	137.7	133.1	322.6	329.0	330.8	304.1
Pottery and related products	176.5	178.5	177.9	174.2	384.6	392.1	386.8	361.2
Gypsum	148.9	148.8	150.4	154.5	328.5	342.3	343.9	328.3
Wallboard, plaster (except gypsum), and mineral wool	155.4	162.3	176.3	176.2	385.2	380.6	454.9	448.7
Lime	109.0	110.2	110.3	115.0	303.5	296.8	304.3	301.5
Marble, granite, slate, and other products	103.0	102.2	99.6	99.3	198.9	197.1	190.6	179.3
Abrasives	255.1	260.2	265.7	260.5	543.2	562.7	574.9	560.2
Asbestos products	140.8	146.1	151.8	159.0	334.4	351.9	362.2	376.2
<u>Nondurable goods</u>								
TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES	100.4	104.0	104.9	114.7	260.3	274.8	276.7	315.6
Cotton manufactures, except smallwares	114.6	117.3	118.3	126.6	319.6	332.9	331.9	385.1
Cotton smallwares	90.2	89.9	90.7	105.8	211.8	214.4	213.8	249.1
Silk and rayon goods	85.7	90.8	93.2	94.8	239.5	267.3	276.2	288.0
Woolen and worsted manufactures, except dyeing and finishing	81.4	91.5	94.6	113.1	208.7	245.6	258.5	322.1
Hosiery	81.5	82.8	82.0	90.4	190.5	193.6	192.2	212.6
Knitted cloth	94.2	94.9	94.8	101.4	229.1	225.4	226.3	243.3
Knitted outerwear and knitted gloves	105.2	107.7	105.7	114.4	256.8	260.7	258.1	268.8
Knitted underwear	99.1	99.9	99.3	132.8	240.2	235.9	231.0	348.1
Dyeing and finishing textiles, including woolen and worsted	127.8	129.0	127.7	134.7	320.1	321.3	309.0	332.1
Carpets and rugs, wool	143.6	146.8	148.0	145.7	362.8	370.0	382.1	352.6
Hats, fur-felt	72.3	75.3	76.0	89.3	160.6	175.6	177.8	197.5
Jute goods, except felts	111.2	111.5	112.2	109.3	262.9	269.5	271.1	264.2
Cordage and twine	112.3	114.4	115.1	134.1	276.1	276.1	278.9	330.4

See explanatory notes, sections C, F, and G and the glossary for definitions.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	149.2	149.5	143.0	147.5	344.7	348.2	328.6	343.2
Men's clothing, not elsewhere classified	126.1	126.6	121.8	126.8	288.7	286.0	269.6	300.8
Shirts, collars, and nightwear	92.7	91.2	85.9	100.6	230.5	218.7	197.5	252.9
Underwear and neckwear, men's	111.8	111.0	102.6	112.0	322.5	312.8	281.0	313.7
Work shirts	113.1	114.2	99.4	109.0	290.3	289.7	241.7	269.1
Women's clothing, not elsewhere classified	174.2	175.7	169.1	168.3	380.0	394.4	378.7	376.4
Corsets and allied garments	98.0	98.0	100.4	106.1	226.1	224.4	223.8	241.6
Millinery	97.4	95.3	86.5	94.8	226.3	213.4	168.2	185.9
Handkerchiefs	105.5	103.0	106.0	99.6	280.9	286.0	279.7	259.4
Curtains, draperies, and bedspreads	113.2	112.9	99.2	130.4	294.3	289.3	240.4	303.8
Housefurnishings, other than curtains, etc.	239.0	222.3	214.5	215.0	567.4	529.1	483.9	481.6
Textile bags	187.4	190.5	188.5	171.7	414.8	432.7	438.9	355.7
LEATHER AND LEATHER PRODUCTS	106.0	106.0	105.0	114.1	239.6	240.1	235.0	251.7
Leather	90.3	91.9	92.9	98.4	195.3	202.2	204.6	206.4
Boot and shoe cut stock and findings	86.8	87.1	85.9	94.7	180.6	184.4	177.4	187.9
Boots and shoes	103.7	103.6	102.7	110.1	240.8	239.6	234.4	249.7
Leather gloves and mittens	100.3	97.0	93.6	125.4	203.6	201.1	194.2	252.8
Trunks and suitcases	143.5	141.9	132.3	166.4	313.0	301.2	256.3	364.1
FOOD	135.2	134.9	138.3	134.5	302.7	302.9	312.1	285.8
Slaughtering and meat packing	148.0	151.9	157.8	143.3	297.9	307.8	343.8	295.8
Butter	168.1	164.5	165.4	170.5	377.8	367.6	369.3	348.2
Condensed and evaporated milk	183.5	176.7	174.9	177.2	446.5	428.0	416.1	403.0
Ice cream	144.9	138.4	133.4	138.5	292.1	280.0	265.7	261.3
Flour	142.9	146.3	149.2	145.2	309.1	330.8	363.3	292.2
Feeds, prepared	167.4	167.4	166.1	152.0	408.5	385.0	391.9	329.6
Cereal preparations	159.7	156.8	152.8	144.7	367.6	356.0	338.1	297.8
Baking	128.6	128.0	128.3	126.9	269.7	271.7	265.6	249.8
Sugar refining, cane	159.1	155.7	154.7	148.1	341.8	348.1	343.0	298.5
Sugar, beet	37.2	41.7	45.2	50.6	85.7	98.5	110.6	103.2
Confectionery	123.3	127.6	133.0	130.2	285.7	290.9	304.6	283.4
Beverages, nonalcoholic	162.8	158.5	162.2	161.2	283.9	277.0	276.1	270.7
Malt liquors	192.1	181.3	184.7	184.9	363.1	333.8	333.3	324.4
Canning and preserving	81.0	80.1	87.5	90.1	213.3	215.6	226.7	227.0
TOBACCO MANUFACTURES	88.4	88.6	89.3	93.4	198.8	193.5	200.5	204.6
Cigarettes	120.2	119.8	122.0	121.1	257.7	239.8	249.9	246.5
Cigars	75.6	75.8	75.5	82.7	167.7	169.2	174.8	186.6
Tobacco (chewing and smoking) and snuff	72.6	74.7	77.1	77.3	159.8	161.4	166.3	159.6

See explanatory notes, sections C, F, and G, and the glossary for definitions.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
PAPER AND ALLIED PRODUCTS	143.6	145.4	147.5	148.0	327.6	335.3	341.9	330.8
Paper and pulp	145.4	146.9	148.4	147.9	332.2	341.0	348.6	335.6
Paper goods, other	161.6	163.0	164.9	164.2	368.1	380.5	381.2	354.2
Envelopes	144.1	145.9	147.2	145.7	292.4	297.8	302.8	283.7
Paper bags	144.9	147.5	148.5	164.1	358.1	358.7	355.4	373.7
Paper boxes	130.1	132.5	136.3	137.3	292.5	296.5	305.6	305.4
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	131.6	132.1	132.9	132.8	273.9	269.7	268.8	258.5
Newspapers and periodicals	128.3	126.8	126.1	122.0	255.3	247.8	242.7	229.2
Printing; book and job	141.8	144.3	146.2	145.3	307.5	307.0	309.4	292.5
Lithographing	112.4	112.3	114.5	119.5	218.9	216.3	218.6	227.2
Bookbinding	129.7	129.5	131.5	144.5	302.0	296.4	305.4	313.4
CHEMICALS AND ALLIED PRODUCTS	203.3	203.9	206.1	203.6	449.0	454.2	459.1	425.1
Paints, varnishes, and colors	160.2	162.7	166.7	171.9	311.4	315.5	317.2	319.1
Drugs, medicines, and insecticides	238.9	241.6	241.2	236.9	529.9	535.7	534.5	487.6
Perfumes and cosmetics	104.1	105.5	107.1	111.2	221.4	223.2	230.3	222.0
Soap	173.0	172.3	173.3	163.1	384.5	385.5	385.0	359.0
Rayon and allied products	131.6	134.9	134.6	131.8	294.7	304.0	304.5	271.9
Chemicals, not elsewhere classified	290.0	292.7	299.5	293.8	609.3	621.6	639.3	584.3
Explosives and safety fuses	363.6	366.6	371.7	354.1	714.4	729.7	707.6	675.2
Compressed and liquefied gases	228.4	229.0	232.8	250.1	491.3	493.1	487.7	473.6
Ammunition, small-arms	159.2	164.0	165.7	182.8	346.9	385.3	380.6	396.8
Fireworks	212.4	227.3	227.2	203.9	537.9	559.9	587.4	625.8
Cottonseed oil	135.2	140.0	155.6	115.0	401.7	409.9	470.2	316.4
Fertilizers	206.0	180.9	162.2	202.3	591.0	506.8	453.2	540.2
PRODUCTS OF PETROLEUM AND COAL	152.6	152.8	153.0	155.4	339.4	339.2	349.6	320.0
Petroleum refining	154.1	154.4	154.2	155.0	334.7	334.2	346.4	306.6
Coke and byproducts	146.9	147.4	148.9	141.4	346.6	351.0	358.4	314.6
Paving materials	92.8	87.8	91.4	75.3	207.6	191.3	185.8	173.1
Roofing materials	167.3	167.2	165.8	215.3	379.7	373.1	368.5	502.7

See explanatory notes, sections C, F, and G, and the glossary for definitions.

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TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
RUBBER PRODUCTS	151.0	154.1	157.8	168.9	297.8	309.8	320.6	320.6
Rubber tires and inner tubes	158.2	159.5	163.0	177.7	287.8	288.8	294.5	292.4
Rubber boots and shoes	133.9	138.8	151.1	152.4	250.2	301.5	351.1	347.0
Rubber goods, other	148.3	153.4	154.4	165.3	328.6	346.8	353.9	356.2
MISCELLANEOUS INDUSTRIES	164.8	167.9	169.4	182.6	378.2	381.4	384.2	394.0
Instruments (professional and scientific), and fire-control equipment	274.6	272.2	270.4	244.6	598.1	596.3	588.1	489.3
Photographic apparatus ^{1/}	210.4	212.8	217.1	219.8	426.6	432.1	440.7	422.3
Optical instruments and ophthalmic goods	219.6	221.5	219.6	229.1	447.2	452.5	452.9	444.8
Pianos, organs, and parts	147.7	156.3	161.8	189.7	311.7	329.1	341.3	396.0
Games, toys, and dolls	175.9	177.1	168.8	201.2	434.3	429.4	410.2	463.7
Buttons	110.0	112.0	111.1	122.6	258.4	263.0	267.4	284.3
Fire extinguishers	202.7	204.5	246.0	258.6	512.6	515.5	601.7	541.0

See explanatory notes, sections C, F, and G, and the glossary for definitions.

^{1/} 1948 annual average pay roll shown in table 12 of the February issue of this report as 437.5 should have read 435.7.

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			
	1949		1948		1949		1948	
	Mar.	Feb.	Jan.	Mar.	Mar.	Feb.	Jan.	Mar.
MINING:								
Coal:								
Anthracite	90.1	91.1	92.3	92.6	160.1	168.3	238.6	255.9
Bituminous coal	105.4	107.3	107.9	108.0	311.7	343.9	355.3	342.0
Metal								
Iron	101.6	100.2	97.0	98.7	237.4	228.6	225.1	201.3
Iron	152.1	151.7	151.4	149.4	368.2	364.7	363.1	313.8
Copper	111.4	106.8	96.7	107.9	277.3	252.9	241.2	234.8
Lead and zinc	104.8	104.3	104.1	100.2	285.7	276.1	280.3	232.8
Gold and silver	35.3	35.1	34.3	33.3	64.3	66.2	61.9	56.7
Miscellaneous	188.5	191.7	188.0	189.1	396.0	396.2	410.3	349.2
Quarrying and nonmetallic	114.2	111.9	113.6	116.8	286.8	281.2	290.2	272.7
Crude petroleum and natural gas production	112.9	113.2	113.2	111.1	233.1	236.7	245.1	208.3
TRANSPORTATION AND PUBLIC UTILITIES:								
Class I railroads ^{1/}								
Street railways and busses	121.0	124.6	127.1	133.3	^{1/}	^{1/}	^{1/}	^{1/}
Telephone	124.9	125.1	125.4	128.7	228.7	230.6	231.3	232.6
Telegraph	200.5	201.6	200.8	197.4	344.9	346.2	337.2	314.7
Electric light and power	86.0	87.1	88.6	98.2	206.8	208.6	210.9	213.0
	115.7	115.6	115.1	110.9	206.0	206.2	206.7	184.4
TRADE: ^{2/}								
Wholesale	114.5	114.9	115.9	115.3	217.4	219.3	222.7	210.8
Retail	109.3	109.1	111.7	113.8	214.5	214.4	222.6	210.4
Food	112.7	111.8	111.6	116.7	233.3	232.4	231.9	226.1
General merchandise	119.0	118.7	126.0	124.5	227.5	225.0	248.3	225.5
Apparel	108.8	106.3	110.9	116.8	200.0	198.7	211.9	208.8
Furniture and housefurnishings	89.8	90.1	91.1	91.9	177.1	180.3	186.8	173.7
Automotive	107.1	107.3	108.9	105.8	212.7	210.4	216.5	197.5
Lumber and building materials	114.0	115.0	117.6	119.4	232.1	234.4	239.8	228.6
SERVICE:								
Hotels (year-round) ^{3/}	111.9	112.8	113.3	116.4	233.0	236.2	236.5	229.0
Power laundries	110.1	110.8	113.1	117.7	219.1	219.8	228.5	227.5
Cleaning and dyeing	144.5	143.3	145.3	154.8	278.9	271.1	284.3	291.2

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

^{1/} Source: Interstate Commerce Commission. Pay-roll data are not available.^{2/} Data include all nonsupervisory employees and working supervisors.^{3/} Money payments only; additional value of board, room, uniforms, and tips, not included.

EXPLANATORY NOTES

Sec. A. Scope of Employment Adjustments - 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 Federal Security Agency data through 1946 and have been carried forward from 1946 bench-mark levels, thereby providing consistent series.

Sec. B. Sources of Bench-Mark Data - 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 Class I railroads, and the U. S. Maritime Commission for water transportation.

Sec. C. Adjustments of Production-Worker Estimates - Data for the manufacturing major industry groups have been adjusted to levels indicated by Federal Security Agency data through 1946 and have been carried forward from 1946 bench-mark levels, thereby providing consistent series. Estimates for the individual manufacturing industries, with the exception of the industries in the transportation equipment except automobiles group, have been adjusted to 1946 bench-mark levels. In the nonmanufacturing industries, the entire series of mining industries have been adjusted to 1946 bench-mark levels.

Since the data shown in this report cover only the current months, a set of summary sheets for each industry presenting comparable figures from January 1939 to date, by months, will be provided upon request to the Bureau of Labor Statistics. Such requests should specify the series desired.

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, BLS 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, and if the industry has a reporting sample of 13 establishments employing 23,200 workers in September and 23,800 in October, the October estimates would be prepared as follows:

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

In general, then, the month-to-month changes in employment reflect the fluctuations shown by establishments reporting to BLS.

Why Adjustments Are Necessary - Because reports are not immediately available from new firms, they are frequently introduced into the BLS 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 adjustments correct for the downward bias that had accumulated in the non-manufacturing series beginning January 1945 and in the manufacturing series beginning January 1946. Adjustments 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 BLS 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 BLS 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. The approximate number of establishments, and workers covered, for each industry division is as follows:

Approximate Coverage of BLS Employment and Pay-Roll Sample

Industry division	: Number :of estab- :lishments	: Employees or production workers	
		: Number	: Percent of total
Manufacturing	34,300	7,542,000	56
Mining	2,700	407,000	52
Contract construction	12,500	480,000	22
Public utilities	7,500	933,000	78
Trade:			
Wholesale	12,800	360,000	20
Retail	37,900	1,097,000	25
Service:			
Hotels (year-round)	1,200	131,000	35
Power laundries and cleaning and dyeing	1,600	67,000	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 ix.

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 non-agricultural establishments, by State. A number of States also make available more detailed industry data and information for earlier periods which may be secured directly upon request to the appropriate State Agency. Estimates of nonagricultural employment, by State, for those States which are now publishing such estimates are shown in table 6 and are consistent with the manufacturing estimates in table 7. As nonagricultural estimates for additional States become available, they will be shown in table 6.

The following publications are available upon request from the BLS Regional Offices or the Bureau's Washington Office:

Nonagricultural Employment, by State, 1943-1947.

Employment in Manufacturing Industries, by State, 1943-1946.

Estimates of Total Employment in Manufacturing Industries by State, 1947.

COOPERATING STATE AGENCIES

- Alabama - Dept. of Industrial Relations, Montgomery 5.
- Arizona - Unemployment Compensation Div., Employment Security Commission, Phoenix.
- Arkansas - Employment Security Div., Dept. of Labor, Little Rock.

California - Div. of Labor Statistics and Research, Dept. of Industrial Relations, San Francisco 3.
 Connecticut - Employment Security Div., Dept. of Labor and Factory Inspection, Hartford 15.
 Delaware - Federal Reserve Bank of Philadelphia, Philadelphia 1, Pa.
 Florida - Unemployment Compensation Div., Industrial Commission, Tallahassee.
 Georgia - Employment Security Agency, Dept. of Labor, Atlanta 3.
 Idaho - Employment Security Agency, Industrial Accident Board, Boise.
 Illinois - Dept. of Labor, Chicago 1.
 Indiana - Employment Security Div., Indianapolis 4.
 Iowa - Employment Security Commission, Des Moines 9.
 Kansas - Employment Security Div., State Labor Dept., Topeka.
 Kentucky - Dept. of Economic Security, Frankfort.
 Louisiana - Div. of Employment Security, Dept. of Labor, Baton Rouge 4.
 Maine - Unemployment Compensation Commission, Augusta.
 Maryland - Dept. of Employment Security, Baltimore 2.
 Massachusetts - Div. of Statistics, Dept. of Labor and Industries, Boston 10.
 Michigan - Dept. of Labor and Industry, Lansing 13.
 Minnesota - Div. of Employment and Security, Dept. of Social Security, St. Paul 1.
 Missouri - Div. of Employment Security, Dept. of Labor and Industrial Relations, Jefferson City.
 Montana - Unemployment Compensation Commission, Helena.
 Nebraska - Div. of Employment Security, Dept. of Labor, Lincoln 1.
 Nevada - Employment Security Dept., Carson City.
 New Hampshire - Unemployment Compensation Div., Bureau of Labor, Concord.
 New Jersey - Dept. of Labor and Industry, Trenton 8.
 New Mexico - Employment Security Commission, Albuquerque.
 New York - Div. of Placement and Unemployment Insurance, Dept. of Labor, New York 17.
 North Carolina - Dept. of Labor, Raleigh.
 North Dakota - Unemployment Compensation Div., and Employment Service, Bismarck.
 Oklahoma - Employment Security Commission, Oklahoma City 2.
 Pennsylvania - Federal Reserve Bank of Philadelphia, Philadelphia 1 (mfg.); Bureau of Research and Information, Dept. of Labor and Industry, Harrisburg (nonmfg.).
 Rhode Island - Div. of Census and Information, Dept. of Labor, Providence 2.
 Tennessee - Dept. of Employment Security, Nashville 3.
 Texas - Bureau of Business Research, University of Texas, Austin 12.
 Utah - Dept. of Employment Security, Industrial Commission, Salt Lake City 13.
 Vermont - Unemployment Compensation Commission, Montpelier.
 Virginia - Div. of Research and Statistics, Dept. of Labor and Industry, Richmond 21.
 Washington - Employment Security Dept., Olympia.
 Wisconsin - Statistical Dept., Industrial Commission, 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 33, Massachusetts (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont).

North Atlantic: Regional Director, U. S. Bureau of Labor Statistics, Room 1000, 341 Ninth Avenue, New York 1, New York (Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania).

Southern: Regional Director, U. S. Bureau of Labor Statistics, 1020 Grant Bldg., Forsyth and Walton Streets, Atlanta 3, Georgia (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia).

North Central: Regional Director, U. S. Bureau of Labor Statistics, Room 312, 226 W. Jackson Blvd., Chicago 6, Illinois (Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, West Virginia, Wisconsin).

Pacific-Rocky Mountain: Regional Director, U. S. Bureau of Labor Statistics, 550 Federal Office Bldg., Fulton and Leavenworth Streets, San Francisco 2, California (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming).

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, Selective Service System, War Assets Administration, Office of Defense Transportation, National Security Resources Board, National Security Council.

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 4, but are excluded from the government data shown in tables 1 and 3.

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 in December of each year includes 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, etc.), government corporations, and government force-account construction. The data shown in tables 1 and 3 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 - Represents persons on active duty as of the first of the month. Reserve personnel are excluded if on inactive duty or if on active duty for a brief training or emergency period.

Military Pay Rolls - Represent estimated pay roll obligations based on an average monthly personnel count, plus lump-sum payments for terminal leave. 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, trade, finance, service, or government.

Pay Rolls - Private pay rolls represent weekly pay rolls of both full- and part-time production and related workers (or nonsupervisory employees and working supervisors) who worked or received pay for any part of the pay period ending nearest the 15th of the month, 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 coal mining portal-to-portal pay is included.

Federal civilian pay rolls are for all employees before deductions for income tax, retirement, and bonds, and cover the working days in the calendar year.

Production and related workers - Includes working foremen and all nonsupervisory 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 sales 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 (force-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.