

EMPLOYMENT and PAY ROLLS

**DETAILED REPORT
MAY 1949**

**United States Department of Labor
Maurice J. Tobin - Secretary
Bureau of Labor Statistics
Ewan Clague - Commissioner**

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* * * * * I M P O R T A N T N O T I C E * * * * *

Beginning with the July 1949 issue of this Report, scheduled for release about the middle of September, the series on employment and pay rolls will be prepared on a completely revised basis. The June issue will be omitted but preliminary employment data for June, covering the nonagricultural industry divisions and major industry groups, will be available in the Employment Release to be issued about July 25.

The revised employment series will incorporate three major changes which will significantly affect the previously published levels of industrial employment, as well as the industries for which data will be available:

- (a) Adoption of the Standard Industrial Classification 1/ coding structure for the manufacturing industries; this new classification redefines a number of industries and provides new industrial groupings.
- (b) Reclassification of reporting establishments on the basis of major postwar product or activity; in the previous series classification was on the basis of major product or activity in 1939.
- (c) Adjustment to 1947 benchmark levels and a revision in the method of estimating production-worker employment.

While these changes will result in a lack of historical continuity for many industries, the new series will embody a number of improved features. The use of the Standard Industrial Classification system, now being adopted by most of the Federal statistical agencies, will result in greater comparability with related series, thereby facilitating economic analysis. All segments of nonagricultural employment will be covered in the published industry series, leaving no unpublished-segments. In addition, both all-employee and production-worker series will be provided for all published manufacturing and mining industries, including those for which only production-worker data were available in the old series. New series will be provided for a number of nonmanufacturing industries for which employment data were not previously available. These include industries in the transportation, trade, finance, and service divisions. To permit analysis of industry trends, comparable monthly data for each published series from January 1947 to date will be made available prior to the first release of the revised series on a current basis.

The revised series will provide historically comparable data for employment in all nonagricultural establishments, for all manufacturing combined, and for the other major industry divisions.

1/ Executive Office of the President, Bureau of the Budget, Standard Industrial Classification Manual, November 1945, Vol. I, "Manufacturing Industries". Available from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for \$0.75.

Within manufacturing, however, data for the durable and nondurable goods subdivisions will not be comparable with the pre-1947 series because of changes in industry-group definitions, reclassification of establishments, and differences in method of computation. Present plans call for a revision of the earlier series, to provide historical continuity, some time within the next year. Similarly, revised series for most of the major-group (2-digit) and minor-group (3-digit) manufacturing industries will not be continuous with earlier data primarily because of redefinition of industries and reclassification of establishments. Employment data for individual manufacturing industries (4-digit) will be developed during the next year for the larger industries and will be published as they become available. Hours and earnings series will be published, however, for all those manufacturing industries for which employment data are prepared and, in addition, for about 80 of the 4-digit industries. Manufacturing and nonmanufacturing industries for which employment and/or hours and earnings series will be published on the revised basis are listed on the following pages.

Summary sheets showing all employees, production workers, average weekly hours, and average weekly and hourly earnings by month from January 1947 will be available after September 1 on request to the Bureau of Labor Statistics. Such requests should specify the industries for which data are desired.

7/13/48

Industries Selected for Publication
Under SIC

Name of Industry	Codes	Data to be published	
		Employment and Hours and Earn- ings	Hours and Earnings Only
ORDNANCE AND ACCESSORIES	19	X	
FOOD AND KINDRED PRODUCTS			
Meat Products	201	X	
Slaughtering and meat packing 2/	2011-2012		X
Dairy Products	202	X	
Canning and Preserving Fruits, Vegetables and Sea Foods 2/	203	X	
Grain-Mill Products	204	X	
Flour and other grain-mill products 1/	2041		X
Prepared feeds for animals and fowls	2042		X
Bakery Products 2/	205	X	
Sugar	206	X	
Confectionery and Related Products	207	X	
Candy and other confectionery products 1/	2071		X
Beverage Industries	208	X	
Bottled soft drinks and carbonated waters 1/	2081		X
Malt liquors 1/	2082		X
Distilled, rectified, and blended liquors	2085		X
Miscellaneous Food Preparations and Kindred Products	209	X	
TOBACCO MANUFACTURERS			
Cigarettes 1/	211	X	
Cigars 1/	212	X	
Tobacco (Chewing and Smoking) and Snuff 1/	213	X	
Tobacco Stemming and Redrying	214	X	
TEXTILE MILL PRODUCTS			
Yarn and Thread Mills (Cotton, Wool, Silk and Synthetic Fiber)	222	X	
Yarn mills	2221		X
Broad-Woven Fabric Mills (Cotton, Wool, silk, and Synthetic Fiber)	223	X	
Broad-woven fabric mills (cotton, silk, and synthetic fiber)	2231		X
Broad-woven fabric mills (woolen and worsted)	2232		X
Knitting Mills	225	X	
Full-fashioned hosiery mills	2251		X
Seamless-hosiery mills	2252		X
Knit outerwear mills	2253		X
Knit underwear mills 1/	2254		X
Dyeing and Finishing Textiles (Except Knit Goods) 2/	226	X	
Carpets, Rugs, and Other Floor Coverings	227	X	
Wool carpets, rugs, and carpet yarn 2/	2271		X
Other Textile-Mill Products	221, 224, 228, 229	X	
Fur-felt hats and hat bodies 1/	2281		X

1/ Corresponds exactly with present published industry.

2/ Corresponds approximately with present published industry.

Industries Selected for Publication
Under SIC

Name and Industry	Codes	Data to be published	
		Employment and Hours and Earn- ings	Hours and Earnings Only
APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS			
Men's, Youths', and Boys' Suits, Coats, and Overcoats	231	X	
Men's, Youths', and Boys' Furnishings, Work Clothing, and Allied Garments	232	X	
Men's youths', and boys' shirts (except work shirts), collars, and nightwear <u>1/</u>	2321		X
Men's, youths', and boys' separate trousers	2327		X
Work shirts <u>1/</u>	2328		X
Women's and Misses' Outerwear	233	X	
Women's and misses' dresses	2333		X
Household apparel	2334		X
Women's and misses' suits, coats (except fur coats), and skirts	2337		X
Women's, Misses', Children's, and Infants' Under Garments	234	X	
Women's, misses', children's, and infants' underwear and nightwear	2341		X
Millinery <u>1/</u>	235	X	
Children's and Infants' Outerwear	236	X	
Fur Goods and Miscellaneous Apparel and Accessories	237-238	X	
Other Fabricated Textile Products	239	X	
LUMBER AND WOOD PRODUCTS (EXCEPT FURNITURE)			
Logging Camps and Logging Contractors	241	X	
Sawmills and Planing Mills	242	X	
Sawmills and planing mills, general	2421		X
Millwork, Plywood, and Prefabricated Structural Wood Products	243	X	
Millwork plants	2431		X
Wooden Containers	244	X	
Wooden boxes (except cigar boxes)	2444		X
Miscellaneous Wood Products	249	X	
FURNITURE AND FIXTURES			
Household Furniture	251	X	
Wood household furniture, except upholstered	2511		X
Wood household furniture, upholstered	2512		X
Mattresses and bedsprings	2515		X
Other Furniture and Fixtures	252 -253-254 256-259	X	

1/ Corresponds exactly with present published industry.

Industries Selected for Publication
Under SIC

Name of Industry	Codes	Data to be published	
		Employment and Hours and Earnings	Hours and Earnings Only
PAPER AND ALLIED PRODUCTS			
Pulp, Paper, and Paperboard Mills <u>2/</u>	261	X	
Paperboard Containers and Boxes <u>1/</u>	267	X	
Other Paper and Allied Products	264-265-266		
	269	X	
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES			
Newspapers	271	X	
Periodicals	272	X	
Books	273	X	
Commercial Printing	275	X	
Lithographing <u>1/</u>	276	X	
Other Printing and Publishing	274, 277-278		
	279	X	
CHEMICALS AND ALLIED PRODUCTS			
Industrial Inorganic Chemicals	281	X	
Industrial Organic Chemicals	282	X	
Plastics materials and elastomers, except synthetic rubber	2823		X
Synthetic rubber	2824		X
Synthetic fibers <u>2/</u>	2825		X
Drugs and Medicines	283	X	
Paints, Varnishes, Lacquers, Japans, and Enamels; Inorganic Color Pigments, Whiting, and Wood Fillers <u>2/</u>	285	X	
Fertilizers <u>1/</u>	287	X	
Vegetable and Animal Oils and Fats	288	X	
Other Chemicals and Allied Products	284, 286, 289	X	
Soap and glycerin <u>1/</u>	2841		X
PRODUCTS OF PETROLEUM AND COAL			
Petroleum Refining <u>1/</u>	291	X	
Coke and Byproducts <u>1/</u>	293	X	
Other Products of Petroleum and Coal	295, 299	X	
RUBBER PRODUCTS			
Tires and Inner Tubes <u>1/</u>	301	X	
Rubber Footwear <u>1/</u>	302	X	
Other Rubber Products	303, 309	X	
LEATHER AND LEATHER PRODUCTS			
Leather: Tanned, Curried, and Finished <u>1/</u>	311	X	
Footwear (Except Rubber) <u>1/</u>	314	X	
Other Leather and Leather Products	312-313, 315		
	316-317, 319	X	

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2/ Corresponds approximately with present published industry.

Industries Selected for Publication
Under SIC

Name of Industry	Codes	Data to be published	
		Employment and Hours and Earnings	Hours and Earnings Only
STONE, CLAY, AND GLASS PRODUCTS			
Glass and Glass Products	321-322-323	X	
Glass containers	3221		X
Pressed and blown glass and glassware, not elsewhere classified	3229		X
Cement, Hydraulic <u>2/</u>	324	X	
Structural Clay Products <u>1/</u>	325	X	
Brick and hollow tile	3251		X
Pottery and Related Products <u>1/</u>	326	X	
Concrete, Gypsum, and Plaster Products	327	X	
Concrete products	3271		X
Other Stone, Clay, and Glass Products	328-329	X	
PRIMARY METAL INDUSTRIES			
Blast Furnaces, Steel Works, and Rolling Mills <u>2/</u>	331	X	
Iron and Steel Foundries	332	X	
Gray-iron foundries	3321		X
Malleable-iron foundries <u>1/</u>	3322		X
Steel foundries <u>1/</u>	3323		X
Primary Smelting and Refining of Nonferrous Metals <u>2/</u>	333	X	
Primary smelting and refining of copper, lead and zinc	3331-3332		
	3333		X
Primary refining of aluminum	3334		X
Rolling, Drawing, and Alloying of Nonferrous Metals	335	X	
Rolling, drawing and alloying of copper	3351		X
Rolling, drawing and allowing of aluminum	3352		X
Nonferrous Foundries	336	X	
Other Primary Metal Industries	334, 339	X	
Iron and steel forgings <u>1/</u>	3391		X
Wire drawing	3392		X
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT)			
Tin Cans and Other Tinware <u>2/</u>	341	X	
Cutlery, Hand Tools, and General Hardware	342	X	
Cutlery and edge tools <u>2/</u>	3421, 3422		X
Hand tools (except edge tools and machine tools)	3423, 3424, 3425		X
Heating Apparatus (Except Electric) and Plumbers' Supplies	343	X	
Enameled-iron and metal sanitary ware and other plumbers' supplies <u>2/</u>	3431		X

1/ Corresponds exactly with present published industry.

2/ Corresponds approximately with present published industry.

Industries Selected for Publication
Under SIC

Name of Industry	Codes	Data to be Published	
		Employment and Hours and earnings	Hours and Earnings only
FABRICATED METAL PRODUCTS (EXCEPT ORDNANCE, MACHINERY, AND TRANSPORTATION EQUIPMENT), Cont'd.			
Oil burners, domestic and industrial; and heating and cooking apparatus (except electrical) n.ac.	3432 3439		X
Fabricated Structural Metal Products	344	X	
Fabricated structural steel and ornamental metal work 2/	3441		X
Boiler shop products	3443		X
Sheet-metal work	3444		X
Metal Stamping, Coating and Engraving	346	X	
Stamped and pressed metal products	3462, 3463		X
Other Fabricated Metal Products	347, 348, 349	X	
MACHINERY (EXCEPT ELECTRICAL)			
Engines and Turbines 1/	351	X	
Agricultural Machinery and Tractors	352	X	
Tractors 2/	3521		X
Agricultural machinery (except tractors) 2/	3522		X
Construction and Mining Machinery and Equipment	353	X	
Metalworking Machinery	354	X	
Machine tools 1/	3541		X
Metalworking machinery (except machine tools)	3542		X
Machine-tools accessories, other metalworking-machinery accessories, and machinists precision tools 1/	3543		X
Special-Industry Machinery (Except Metalworking Machinery)	355	X	
General Industrial Machinery and Equipment	356	X	
Office and Store Machines and Devices	357	X	
Computing machines and cash registers	3571		X
Typewriters 1/	3572		X
Service-Industry and Household Machines	358	X	
Refrigerators, refrigeration machinery, and complete air-conditioning units 2/	3585		X
Miscellaneous Machinery Parts	359	X	
Machine shops (jobbing and repair)	3599		X
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES			
Electrical Generating, Transmission, Distribution and Industrial Apparatus	361	X	
Motors, generators, transformers, switchgear, switchboard apparatus, and industrial controls	3614, 3615, 3616		X
Electrical Equipment for Motor Vehicles, Aircraft and Railway Locomotives and Cars	364	X	

1/ Corresponds exactly with present published industry.

2/ Corresponds approximately with present published industry.

Industries Selected for Publication
Under SIC

Name of Industry	Codes	Data to be published	
		Employment and Hours and Earn- ings	Hours and Earnings Only
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES, (Cont'd)			
Communication Equipment and Related Products	366	X	
Radios, radio and television equipment (except radio tubes), radar and related detection apparatus, and phonographs	3661		X
Telephone, telegraph and other communication equipment not elsewhere classified <u>2/</u>	3664, 3669		X
Other Electrical Machinery, Equipment, and Supplies	362, 363, 365, 369	X	
TRANSPORTATION EQUIPMENT			
Motor Vehicles and Motor-Vehicle Equipment <u>1/</u>	371	X	
Aircraft and Parts	372	X	
Aircraft	3721		X
Aircraft engines and engine parts <u>1/</u>	3722		X
Aircraft propellers and propeller parts	3723		X
Aircraft parts and auxiliary equipment, not elsewhere classified	3729		X
Ship and Boat Building and Repairing <u>1/</u>	373	X	
Ship building and repairing	3731		X
Railroad Equipment	374	X	
Locomotive and parts <u>1/</u>	3741		X
Railroad and street cars <u>1/</u>	3742		X
Other Transportation Equipment	375, 379	X	
PROFESSIONAL, SCIENTIFIC, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC AND OPTICAL GOODS; WATCHES AND CLOCKS			
Ophthalmic Goods	385	X	
Photographic Equipment and Supplies <u>1/</u>	386	X	
Watches, Clocks, Clockwork-Operated Devices and Parts <u>2/</u>	387	X	
Professional, Scientific, and Controlling Instruments; Optical Instruments and Lenses	381, 382, 383, 384	X	
MISCELLANEOUS MANUFACTURING INDUSTRIES			
Jewelry, Silverware and Plated Ware	391	X	
Jewelry, jewelry findings and lapidary work <u>1/</u>	3911, 3912, 3913		X
Silverware and plated ware <u>1/</u>	3914		X
Toys and Sporting and Athletic Goods	394	X	
Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions (Except Precious Metal)	396	X	
Other Miscellaneous Manufacturing Industries	393, 395, 397, 398, 399	X	

1/ Corresponds exactly with present published industry.

2/ Corresponds approximately with present published industry.

Nonmanufacturing Industries Selected for Publication

Name of industry	Codes	Data to be published			
		Employment	Employment	Hours and	Hours and
		and Hours	ment	Earnings	Earnings
		and Earn-	Only	Only	Only
		ings			
MINING			X		
METAL MINING	10	X			
Iron mining	101	X			
Copper mining	102	X			
Lead and zinc mining	103	X			
ANTHRACITE	11	X			
BITUMINOUS-COAL	12	X			
CRUDE PETROLEUM AND NATURAL GAS PRODUCTION	13		X		
Petroleum and natural gas production	131				X
NONMETALLIC MINING AND QUARRYING	14	X			
CONTRACT CONSTRUCTION	15, 16, 17		X		
ALL CONTRACTORS					X
Nonbuilding construction					X
Highway and street					X
Heavy construction					X
Other construction					X
Building construction					X
General contractors					X
Special trade contractors					X
Plumbing and heating					X
Painting and decorating					X
Electrical work					X
Masonry					X
Plastering and lathing					X
Carpentry					X
Roofing and sheet-metal work					X
Excavation and foundation work					X
TRANSPORTATION AND PUBLIC UTILITIES			X		
Transportation			X		
INTERSTATE RAILROADS			X		
Class I railroads	(4011 in part)	X			
LOCAL RAILWAYS AND BUS LINES	41, 943	X			
TRUCKING AND WAREHOUSING	42		X		
OTHER TRANSPORTATION AND SERVICES			X		

Nonmanufacturing Industries Selected for Publication

Name of industry	Codes	Data to be published		
		Employment	Employment	Hours and
		and Hours	ment	Earnings
		and Earn-	Only	Only
		ings		
TRANSPORTATION AND PUBLIC UTILITIES (Cont'd)				
COMMUNICATION	46		X	
Telephone	461	X		
Telegraph	462	X		
OTHER PUBLIC UTILITIES			X	
Gas and electric utilities	48	X		
Local utilities	49		X	
TRADE			X	
WHOLESALE TRADE	50	X		
RETAIL TRADE			X	
General merchandise stores	53	X		
Department stores and mail-order houses	531			X
Food and Liquor	54	X		
Automotive and accessories dealers	55	X		
Apparel and accessories stores	56	X		
Other retail trade	57		X	
Furniture and appliance stores	571			X
Lumber and hardware supply stores	573			X
FINANCE			X	
Banks and trust companies	60	X		
Security dealers and exchanges	61	X		
Insurance carriers and agents	63, 64		X	
Insurance carriers	63			X
Other finance agencies and real estats	62, 65-7		X	
SERVICE			X	
Hotels, and lodging places	70		X	
Hotels, year-round	7011			X
Laundries	721	X		
Cleaning and dyeing plants	722	X		
Motion pictures	78		X	
Motion picture production and distribution	781			X
GOVERNMENT			X	
Federal			X	
State and local			X	

EMPLOYMENT AND PAY ROLLS

Detailed Report

May 1949

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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.

(LS50-324)

2.

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

(In thousands)

Industry division	1949			1948	
	May	April	March	May	April
TOTAL	43,666	43,939	43,893	44,616	44,299
Manufacturing	15,030	15,332	15,625	15,892	15,950
Mining	908	919	914	935	817
Contract construction	2,016	1,941	1,841	2,052	1,933
Transportation and public utilities	3,952	3,929	3,912	4,042	3,974
Trade	9,535	9,683	9,525	9,617	9,576
Finance	1,740	1,728	1,717	1,716	1,704
Service	4,665	4,634	4,597	4,738	4,768
Government	5,820	5,773	5,762	5,624	5,577

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

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

(In thousands)

Major industry group	1949			1948	
	May	April	March	May	April
ALL MANUFACTURING	15,030	15,332	15,625	15,892	15,950
DURABLE GOODS	7,451	7,656	7,807	8,114	8,164
Iron and steel and their products	1,736	1,787	1,836	1,894	1,897
Electrical machinery	640	664	684	727	742
Machinery, except electrical	1,387	1,441	1,487	1,568	1,562
Transportation equipment, except automobiles	554	565	575	565	589
Automobiles	902	961	960	964	979
Nonferrous metals and their products	413	425	439	467	475
Lumber and timber					
basic products	825	803	799	851	833
Furniture and finished lumber products	503	513	518	548	561
Stone, clay, and glass products	491	497	509	530	526
NONDURABLE GOODS	7,579	7,676	7,818	7,778	7,786
Textile-mill products and other fiber manufactures	1,206	1,219	1,272	1,416	1,425
Apparel and other finished textile products	1,244	1,307	1,365	1,247	1,268
Leather and leather products	388	403	412	404	418
Food	1,740	1,707	1,694	1,610	1,562
Tobacco manufactures	96	95	96	97	99
Paper and allied products	462	464	470	476	476
Printing, publishing, and allied industries	723	724	725	718	718
Chemicals and allied products	737	759	774	759	767
Products of petroleum and coal	239	237	237	242	238
Rubber products	221	227	232	243	246
Miscellaneous industries	523	534	541	566	569

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

4.

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

(In thousands)

Major industry group	1949			1948	
	May	April	March	May	April
MINING	908	919	914	935	817
Anthracite	79	80	80	81	82
Bituminous coal	398	407	409	423	309
Metal	104	106	105	102	103
Quarrying and non-metallic	91	91	87	95	93
Crude petroleum and natural gas production <u>1/</u>	236	235	233	234	230
TRANSPORTATION AND PUBLIC UTILITIES	3,952	3,929	3,912	4,042	3,974
Transportation	2,702	2,679	2,663	2,809	2,744
Communication	728	731	732	731	731
Other public utilities	522	519	517	502	499
GOVERNMENT	5,820	5,773	5,762	5,624	5,577
Federal	1,898	1,885	1,877	1,788	1,771
State and local	3,922	3,888	3,885	3,836	3,806

See explanatory notes, sections A - E, 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
	May	April	March	May	May	April	March	May
<u>All Areas</u>								
TOTAL FEDERAL	2,106.9	2,095.8	2,089.8	2,026.0	\$567,525	\$545,442	\$575,946	\$474,725
Executive	2,068.0	2,056.2	2,050.6	1,986.4	557,301	535,420	565,652	465,356
Defense agencies	936.0	935.0	934.4	910.1	245,208	233,826	250,618	205,912
Post Office Department	479.7	476.4	475.0	442.7	124,558	124,018	124,348	100,925
Other agencies	652.3	644.8	641.2	633.6	187,535	177,576	190,686	158,519
Legislative	7.5	7.5	7.5	7.2	2,762	2,722	2,763	2,469
Judicial	3.5	3.6	3.6	3.5	1,429	1,311	1,455	1,207
Government corporations	27.9	28.5	28.1	28.9	6,033	5,989	6,076	5,693
<u>Continental United States</u>								
TOTAL FEDERAL	1,918.3	1,905.1	1,897.2	1,795.6	524,620	504,343	534,033	434,657
Executive	1,885.9	1,872.6	1,864.7	1,763.1	515,170	495,065	524,509	426,011
Defense agencies	787.0	784.0	780.8	717.1	212,983	202,699	218,474	174,209
Post Office Department	477.9	474.7	473.2	441.1	124,093	123,556	123,889	100,570
Other agencies	621.0	613.9	610.7	604.9	178,094	168,810	182,146	151,232
Legislative	7.5	7.5	7.5	7.2	2,762	2,722	2,763	2,469
Judicial	3.5	3.5	3.5	3.4	1,387	1,272	1,414	1,174
Government corporations	21.4	21.5	21.5	21.9	5,301	5,284	5,347	5,003
<u>Washington, D. C.</u>								
TOTAL GOVERNMENT	242.4	241.4	239.9	228.9	74,984	71,671	77,219	63,492
D. C. government	19.2	19.3	19.1	18.7	4,681	4,577	4,801	4,422
Federal	223.2	222.1	220.8	210.2	70,303	67,094	72,418	59,070
Executive	215.1	214.0	212.7	202.4	67,304	64,146	69,411	56,400
Defense agencies	72.5	72.4	72.0	67.2	21,421	20,491	22,190	18,045
Post Office Department	7.8	7.7	7.6	7.4	2,084	2,085	2,121	2,234
Other agencies	134.8	133.9	133.1	127.8	43,799	41,570	45,100	36,121
Legislative	7.5	7.5	7.5	7.2	2,762	2,722	2,763	2,469
Judicial	.6	.6	.6	.6	237	226	244	201

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	
	May	April	March	May	April
PERSONNEL (as of first of month)					
Total	1,650	1,666	1,681	1,419	1,417
By branch:					
Army	673	689	703	541	538
Air Force	418	417	417	375	368
Navy	449	450	451	403	412
Marine Corps	86	87	87	80	79
Coast Guard	23	23	22	20	20
By sex:					
Men	1,632	1,649	1,664	1,403	1,400
Women	17	17	16	16	16
PAY (for entire month)					
Total	\$284,728	\$292,446	\$289,063	\$278,967	\$285,210
By branch:					
Army and Air Force	181,962	185,607	188,587	176,651	172,859
Navy	83,572	87,610	81,204	84,136	93,351
Marine Corps	14,256	14,379	14,525	13,974	14,131
Coast Guard	4,938	4,850	4,747	4,207	4,869
By type of pay:					
Pay rolls	250,549	258,961	255,340	242,292	247,452
Mustering-out pay	4,616	4,391	4,531	9,057	9,751
Family allowance	29,517	29,037	29,108	25,736	25,414
Leave payments	46	57	84	1,882	2,593
Cash	12	14	34	485	639
Bonds	34	43	50	1,396	1,954

See the glossary for definitions.

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

TABLE 6: Wage and Salary Workers in Nonagricultural Establishments for
Selected States, April 1949

(In thousands)

State	1949			1948	
	April	March	February	April	March
Arizona	154	153	154	156	156
Arkansas	286	286	284	286	* 280
California	2,987	2,964	2,970	3,024	3,029
Connecticut	721	729	739	779	778
Georgia	721	726	727	738	740
Idaho *	118	117	115	115	115
Illinois	3,091	3,086	3,112	3,110	3,144
Indiana	1,158	1,154	1,165	1,183	1,194
Kansas	436	434	431	427	* 419
Maine	242	243	248	251	256
Maryland	683	687	690	686	685
Massachusetts	1,636	1,645	1,662	1,712	1,720
Minnesota	768	763	767	767	762
Missouri	1,099	1,096	1,096	1,124	*1,123
Montana	139	137	135	136	133
Nevada 1/	47	45	45	48	47
New Jersey	1,520	1,520	1,523	*1,567	1,563
New Mexico	129	129	130	124	122
New York	5,437	5,429	5,454	5,508	5,538
Oklahoma	464	462	458	456	* 439
Pennsylvania	3,533	3,540	3,549	3,522	3,584
Rhode Island	263	267	273	290	292
Tennessee	719	715	715	733	734
Texas	1,744	1,742	1,744	1,693	1,670
Utah	180	174	169	171	173
Vermont 2/*	93	93	94	98	98
Washington	662	653	641	665	654
Wisconsin	959	957	961	973	974
Wyoming	75	73	73	72	70

See explanatory notes, sections H and I.

1/ Does not include contract construction.

2/ Includes contract construction; not comparable with data published in previous report.

* Revised. Data for other months revised as follows:

Arkansas - May 1948 through January 1949 to 292, 296, 295, 297, 300, 301, 299, 305, and 289.

Idaho - May 1948 through January 1949 to 118, 120, 123, 123, 133, 134, 131, 129, and 121.

Kansas - May 1948 through January 1949 to 438, 447, 447, 451, 455, 452, 452, 457, and 436.

Missouri - May 1948 through January 1949 to 1,128, 1,138, 1,138, 1,138, 1,140, 1,150, 1,141, 1,154, and 1,109.

Oklahoma - May 1948 through January 1949 to 459, 468, 466, 468, 476, 477, 475, 483, and 460.

Vermont - May 1948 through January 1949 (including contract construction) to 99, 101, 101, 102, 101, 100, 99, 99, and 95.

8.

TABLE 7: Wage and Salary Workers in Manufacturing Industries, by State,
April 1949

(In thousands)

Region and State	1949			1948	
	April	March	February	April	March
NEW ENGLAND:					
Maine 1/	98.3	102.0	106.3	103.6	111.2
New Hampshire	71.2	74.9	77.9	82.6	84.4
Vermont 1/	32.4	33.4	35.0	38.0	38.7
Massachusetts	655.5	675.8	690.8	729.7	745.7
Rhode Island	122.4	128.2	134.3	149.9	153.6
Connecticut 1/	354.4	367.4	379.0	411.5	418.1
MIDDLE ATLANTIC:					
New York	1,742.3	1,790.0	1,809.0	1,849.9	1,904.0
New Jersey	674.9	694.9	702.3	* 745.3	754.2
Pennsylvania	1,393.2	1,429.8	1,447.0	1,497.5	1,514.3
EAST NORTH CENTRAL:					
Ohio	1,131.4	1,163.7	1,180.5	1,230.7	1,244.0
Indiana	512.6	519.4	528.0	540.0	552.8
Illinois	1,147.6	1,171.1	1,191.7	1,198.0	1,253.5
Michigan	925.2	941.6	947.4	1,002.7	1,010.9
Wisconsin 1/	399.0	407.8	411.4	426.3	432.5
WEST NORTH CENTRAL:					
Minnesota 1/	185.9	189.0	189.7	188.7	198.0
Iowa 1/	144.4	149.9	152.3	133.8	153.7
Missouri 1/	330.6	337.8	338.9	* 340.5	346.6
North Dakota	6.4	6.5	6.4	6.4	6.3
South Dakota	11.5	11.8	11.6	11.3	11.0
Nebraska	39.7	40.9	41.6	34.9	42.4
Kansas 1/	86.0	86.0	86.0	75.4	79.8
SOUTH ATLANTIC:					
Delaware	44.5	44.4	44.8	* 46.6	46.5
Maryland	212.1	215.6	218.0	228.2	228.9
District of Columbia	17.0	17.1	16.8	17.4	17.1
Virginia	200.5	204.1	205.9	212.8	213.7
West Virginia	123.5	126.6	128.4	131.9	130.9
North Carolina 1/	374.1	381.8	392.3	415.5	421.1
South Carolina	184.7	188.0	190.9	199.3	200.5
Georgia 1/	259.3	263.5	265.7	276.5	281.1
Florida 1/	92.2	96.6	99.5	96.5	99.4

9.

TABLE 7: Wage and Salary Workers in Manufacturing Industries, by State,
April 1949 - Continued

(In thousands)

Region and State	1949			1948	
	April	March	February	April	March
EAST SOUTH CENTRAL:					
Kentucky	119.5	120.2	121.7	128.2	129.5
Tennessee <u>1/</u>	231.1	234.3	237.4	257.9	260.0
Alabama <u>1/</u>	212.1	218.9	220.8	226.5	230.9
Mississippi	75.0	79.7	81.2	88.6	90.0
WEST SOUTH CENTRAL:					
Arkansas <u>1/</u>	72.6	72.4	70.9	74.9	73.0
Louisiana <u>1/</u>	147.4	147.1	147.4	148.3	145.9
Oklahoma <u>1/</u>	61.7	62.8	63.5	65.5	62.6
Texas	331.8	336.2	337.9	338.7	337.0
MOUNTAIN:					
Montana	17.2	17.1	16.9	17.1	17.2
Idaho <u>1/</u> *	17.3	15.8	16.7	16.7	16.9
Wyoming <u>1/</u>	5.9	5.9	6.0	5.9	5.6
Colorado	51.3	52.3	52.7	54.0	55.5
New Mexico <u>1/</u>	9.4	9.0	8.9	9.0	8.2
Arizona <u>1/</u>	15.5	15.2	14.8	14.9	14.7
Utah <u>1/</u>	26.6	25.9	25.5	23.3	24.4
Nevada <u>1/</u>	3.1	3.1	3.1	* 3.4	3.4
PACIFIC:					
Washington <u>1/</u>	171.8	170.4	163.4	174.5	171.3
Oregon	103.7	102.2	102.1	110.2	110.2
California	700.7	691.3	694.0	695.8	700.4

See explanatory notes, sections H and I.

1/ Series based on Standard Industrial Classification - Data for North Carolina may not be strictly comparable with those published prior to the current report.

* Revised. Data for other months revised as follows:

Idaho - January 1949 to 18.0.

TABLE 8: Production Workers in Manufacturing Industries

(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
ALL MANUFACTURING	11,847	12,129	12,404	12,738	12,791
DURABLE GOODS	6,002	6,188	6,325	6,642	6,683
NONDURABLE GOODS	5,845	5,941	6,079	6,096	6,108
<u>Durable goods</u>					
IRON AND STEEL AND THEIR PRODUCTS	1,449	1,498	1,545	1,600	1,603
Blast furnaces, steel works, and rolling mills	532.8	542.8	547.3	517.7	511.8
Gray-iron and semisteel castings	88.0	95.1	101.6	112.9	116.6
Malleable-iron castings	30.4	31.1	33.6	37.3	37.2
Steel castings	61.1	65.4	70.5	72.1	72.3
Cast-iron pipe and fittings	25.2	26.8	28.6	28.4	27.6
Tin cans and other tinware	42.3	42.0	42.7	42.8	42.1
Wire drawn from purchased rods	23.6	25.6	26.9	29.4	30.1
Wirework	38.7	39.2	39.9	41.1	41.9
Cutlery and edge tools	20.3	21.2	21.9	23.1	23.7
Tools (except edge tools, machine tools, files, and saws)	21.0	22.1	23.2	25.2	25.5
Hardware	44.4	47.2	49.3	54.6	55.9
Plumbers' supplies	31.5	35.7	37.4	39.3	39.4
Stoves, oil burners, and heating equipment, not elsewhere classified	56.7	57.5	60.0	83.7	81.9
Steam and hot-water heating apparatus and steam fittings	52.0	54.0	57.4	64.0	63.0
Stamped and enameled ware and galvanizing	91.1	95.1	99.9	116.8	118.1
Fabricated structural and ornamental metalwork	63.9	63.5	62.9	63.2	63.8
Metal doors, sash, frames, molding, and trim	9.3	9.3	9.6	10.2	10.1
Bolts, nuts, washers, and rivets	24.8	26.3	27.4	28.6	28.9
Forgings, iron and steel	34.4	35.8	37.0	35.1	36.7
Wrought pipe, welded and heavy-riveted	18.2	18.8	19.3	18.8	18.8
Screw-machine products and wood screws	29.7	31.6	32.9	36.4	36.8
Steel barrels, kegs, and drums	6.6	6.3	7.0	7.6	7.7
Firearms	22.7	23.0	22.9	21.2	21.0
ELECTRICAL MACHINERY	467	486	505	548	563
Electrical equipment	309.8	326.4	339.8	368.3	376.0
Radios and phonographs	79.9	80.7	83.8	90.0	93.4
Communication equipment	77.7	78.7	81.3	90.0	93.9

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

TABLE 8: Production Workers in Manufacturing Industries - Continued

(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
MACHINERY, EXCEPT ELECTRICAL	1,045	1,092	1,133	1,207	1,202
Machinery and machine-shop products	442.8	458.1	476.6	507.9	514.4
Engines and turbines	47.4	49.2	50.6	53.5	53.9
Tractors	59.5	59.8	60.7	56.3	44.8
Agricultural machinery, excluding tractors	74.1	75.8	76.2	75.2	76.2
Machine tools	40.5	41.7	42.5	47.5	47.7
Machine-tool accessories	47.2	49.8	50.9	55.4	55.5
Textile machinery	36.4	38.2	40.2	41.6	41.4
Pumps and pumping equipment	61.7	63.9	66.4	71.6	72.2
Typewriters	15.2	15.0	15.1	23.8	24.1
Cash registers; adding, and calculating machines	37.8	38.5	40.8	45.6	46.3
Washing machines, wringers, and driers, domestic	8.5	8.4	8.6	16.0	16.2
Sewing machines, domestic and industrial	5.2	15.2	15.2	13.9	13.8
Refrigerators and refrigeration equipment	61.1	66.6	72.9	82.5	79.7
TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES	421	431	439	438	462
Locomotives	24.6	25.2	25.9	26.4	26.6
Cars, electric- and steam-railroad	52.3	53.2	55.4	53.9	53.9
Aircraft and parts, excluding aircraft engines	146.0	152.0	151.9	125.1	137.3
Aircraft engines	28.3	28.2	28.7	25.1	24.8
Shipbuilding and boatbuilding	78.8	79.8	83.8	116.1	122.5
Motorcycles, bicycles, and parts	8.6	8.7	8.9	12.9	14.4
AUTOMOBILES	710	763	759	767	772
NONFERROUS METALS AND THEIR PRODUCTS	343	354	368	398	406
Smelting and refining, primary, of nonferrous metals	41.4	41.4	41.1	41.4	41.0
Alloying; and rolling and drawing of nonferrous metals, except aluminum	40.2	43.0	48.9	52.6	53.7
Clocks and watches	22.4	22.4	22.8	28.3	28.5
Jewelry (precious metals) and jewelers' findings	23.9	25.1	25.5	26.4	27.1
Silverware and plated ware	24.5	25.4	26.0	27.2	27.5
Lighting equipment	26.4	27.6	29.1	30.4	31.3
Aluminum manufactures	36.4	37.7	38.7	42.7	44.2
Sheet-metal work, not elsewhere classified	30.7	31.3	32.1	36.7	37.5

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

TABLE 8: Production Workers in Manufacturing Industries - Continued
(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
LUMBER AND TIMBER BASIC PRODUCTS	738	719	714	772	754
Sawmills and logging camps	601.8	581.4	576.9	627.7	611.0
Planing and plywood mills	136.4	137.4	137.5	144.0	142.7
FURNITURE AND FINISHED LUMBER PRODUCTS	413	423	429	458	470
Mattresses and bedsprings	30.8	31.8	32.1	33.3	34.9
Furniture	222.8	229.8	234.8	249.6	256.2
Wooden boxes, other than cigar	31.4	30.7	30.4	34.8	36.0
Caskets and other morticians' goods	16.6	16.7	17.5	19.9	20.3
Wood preserving	17.2	17.3	16.7	16.5	16.2
Wood, turned and shaped	30.9	31.8	32.1	34.3	35.0
STONE, CLAY, AND GLASS PRODUCTS	416	422	433	454	451
Glass and glassware	107.6	107.9	109.4	121.5	121.8
Glass products made from purchased glass	12.0	12.5	13.2	14.1	14.2
Cement	36.6	36.5	36.2	36.0	35.5
Brick, tile, and terra cotta	76.8	76.9	77.3	79.6	77.9
Pottery and related products	56.1	58.6	59.7	58.5	57.9
Gypsum	7.0	7.3	7.4	7.5	7.5
Wallboard, plaster (except gypsum), and mineral wool	8.6	8.9	12.1	14.5	14.5
Lime	10.3	10.6	10.3	11.0	11.1
Marble, granite, slate, and other products	19.3	19.1	19.1	18.1	17.9
Abrasives	17.3	18.4	19.8	20.1	20.1
Asbestos products	20.4	21.0	22.4	25.1	25.2
<u>Nondurable goods</u>					
TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES	1,087	1,099	1,149	1,293	1,301
Cotton manufactures, except smallwares	454.6	465.4	479.3	524.7	526.4
Cotton smallwares	12.3	12.4	12.7	14.4	14.6
Silk and rayon goods	98.0	100.6	108.5	120.3	120.1
Woolen and worsted manufactures, except dyeing and finishing	120.0	111.0	128.8	173.2	175.0
Hosiery	131.8	134.3	136.9	147.0	149.7
Knitted cloth	10.5	10.7	10.9	11.5	11.8
Knitted outerwear and knitted gloves	29.3	30.0	31.3	33.8	33.4
Knitted underwear	38.9	40.4	40.4	52.3	53.8
Dyeing and finishing textiles, including woolen and worsted	88.2	89.8	90.3	94.2	95.0
Carpets and rugs, wool	35.7	37.5	38.8	39.7	39.4
Hats, fur-felt	10.1	8.6	11.1	12.9	12.7
Jute goods, except felts	4.2	4.3	4.2	4.2	4.3
Cordage and twine	13.7	14.1	14.3	16.4	16.7

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

TABLE 8: Production Workers in Manufacturing Industries - Continued
(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	1,063	1,124	1,178	1,082	1,103
Men's clothing, not elsewhere classified	268.9	284.0	289.5	287.0	287.1
Shirts, collars, and nightwear	69.5	69.2	68.6	73.2	74.2
Underwear and neckwear, men's	18.3	18.5	19.0	18.4	18.7
Work shirts	15.7	16.2	15.9	16.1	15.7
Women's clothing, not elsewhere classified	426.6	460.5	498.5	427.6	440.0
Corsets and allied garments	17.3	17.4	18.4	18.5	19.2
Millinery	19.8	22.6	24.9	18.0	20.6
Handkerchiefs	5.1	5.2	5.3	5.0	5.1
Curtains, draperies, and bedspreads	19.6	20.1	20.2	20.1	21.1
Housefurnishings, other than curtains, etc.	28.2	27.6	27.1	21.9	22.9
Textile bags	23.0	22.9	23.6	21.3	21.2
LEATHER AND LEATHER PRODUCTS	343	358	368	359	372
Leather	43.7	44.0	45.2	47.5	47.6
Boot and shoe cut stock and findings	15.6	16.2	17.3	17.3	17.7
Boots and shoes	220.9	232.8	239.4	225.5	235.9
Leather gloves and mittens	9.3	9.6	10.0	12.4	12.2
Trunks and suitcases	13.0	13.3	11.9	13.2	13.3
FOOD	1,192	1,164	1,155	1,091	1,047
Slaughtering and meat packing	194.8	192.1	199.9	124.5	104.0
Butter	36.7	35.5	33.8	39.2	36.9
Condensed and evaporated milk	22.2	20.7	20.0	21.6	20.5
Ice cream	31.0	27.8	25.5	29.2	27.1
Flour	38.5	38.6	39.7	39.9	40.1
Feeds, prepared	31.3	29.4	28.9	27.9	26.6
Cereal preparations	13.4	13.0	13.4	12.8	12.2
Baking	249.4	246.7	244.8	242.2	239.5
Sugar refining, cane	24.8	25.1	25.2	21.4	20.8
Sugar, beet	4.6	4.3	4.3	6.6	5.7
Confectionery	63.7	67.5	68.7	62.1	67.1
Beverages, nonalcoholic	42.7	39.7	38.8	43.4	40.5
Malt liquors	78.9	74.4	77.7	73.6	77.3
Canning and preserving	144.9	138.7	121.8	153.2	140.7
TOBACCO MANUFACTURES	82	81	82	84	86
Cigarettes	34.1	33.4	33.0	33.1	33.2
Cigars	40.5	40.2	42.2	43.7	45.2
Tobacco (chewing and smoking) and snuff	7.0	7.2	7.3	7.6	7.7

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

TABLE 8: Production Workers in Manufacturing Industries - Continued

(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
PAPER AND ALLIED PRODUCTS	373	375	381	389	389
Paper and pulp	196.7	197.8	200.3	204.7	203.7
Paper goods, other	60.1	60.2	61.0	61.5	61.4
Envelopes	12.0	12.4	12.6	12.7	12.7
Paper bags	15.1	15.4	16.1	17.6	18.0
Paper boxes	87.9	88.6	90.2	91.4	92.7
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	431	431	432	432	432
Newspapers and periodicals	153.6	152.8	152.2	146.4	145.0
Printing; book and job	179.2	180.0	181.0	184.2	183.2
Lithographing	29.4	29.7	29.5	30.9	31.3
Bookbinding	33.4	33.1	33.4	35.1	35.9
CHEMICALS AND ALLIED PRODUCTS	549	570	586	572	580
Paints, varnishes, and colors	44.7	45.0	45.3	48.7	48.0
Drugs, medicines, and insecticides	65.7	66.3	65.8	63.6	64.2
Perfumes and cosmetics	10.9	11.0	10.9	11.0	11.2
Soap	25.1	25.8	26.4	21.7	21.8
Rayon and allied products	54.8	57.6	63.6	63.4	63.5
Chemicals, not elsewhere classified	192.9	198.4	202.7	204.8	207.2
Explosives and safety fuses	25.8	25.9	26.5	25.7	25.6
Compressed and liquefied gases	8.8	8.9	8.9	10.0	10.0
Ammunition, small-arms	5.4	6.2	6.8	7.8	7.8
Fireworks	2.7	2.8	2.5	2.6	2.4
Cottonseed oil	16.3	18.5	20.5	13.6	15.2
Fertilizers	32.0	38.1	38.8	32.3	36.7
PRODUCTS OF PETROLEUM AND COAL	163	162	162	167	164
Petroleum refining	111.9	112.2	112.8	114.7	113.6
Coke and byproducts	32.4	32.0	31.9	31.1	29.7
Paving materials	3.4	3.1	2.3	2.4	2.3
Roofing materials	14.4	13.8	13.5	17.3	17.4

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

TABLE 8: Production Workers in Manufacturing Industries - Continued

(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
RUBBER PRODUCTS	174	179	183	195	198
Rubber tires and inner tubes	84.3	85.7	85.8	91.4	92.6
Rubber boots and shoes	18.6	19.4	19.9	21.7	22.1
Rubber goods, other	71.5	73.6	77.1	81.7	84.0
MISCELLANEOUS INDUSTRIES	388	398	403	432	436
Instruments (professional and scientific), and fire-control equipment	31.0	31.1	31.1	27.5	27.6
Photographic apparatus	35.9	37.2	37.2	37.8	38.4
Optical instruments and ophthalmic goods	25.4	25.9	26.1	26.7	27.0
Pianos, organs, and parts	10.1	11.3	11.5	13.7	13.3
Games, toys, and dolls	34.1	34.6	33.6	40.2	40.3
Buttons	11.8	11.8	12.4	12.8	13.1
Fire extinguishers	2.1	2.1	2.1	2.7	2.7

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

TABLE 9: Employees in Selected Nonmanufacturing Industries 1/

(In thousands)

Industry group and industry	1949			1948	
	May	April	March	May	April
MINING: <u>2/</u>					
Coal					
Anthracite	73.9	74.9	75.3	76.4	76.9
Bituminous-coal	381.	389.	392.	405.	296.
Metal	93.2	94.8	94.1	91.4	91.7
Iron	33.3	33.3	32.1	32.7	32.5
Copper	27.0	27.6	27.8	26.5	26.8
Lead and zinc	16.1	17.0	17.1	16.4	16.3
Gold and silver	9.0	9.1	9.1	8.1	8.5
Miscellaneous	7.9	7.9	7.9	7.7	7.7
Quarrying and nonmetallic	81.5	81.4	78.2	85.1	83.9
Crude petroleum and natural gas production <u>3/</u>	129.8	128.9	129.2	128.7	127.2
TRANSPORTATION AND PUBLIC UTILITIES:					
Class I railroads <u>4/</u>	1,237	1,215	1,198	1,321	1,258
Street railways and busses <u>5/</u>	239	241	242	249	249
Telephone	634	637	637	630	630
Telegraph <u>6/</u>	31.9	32.4	32.4	36.3	36.9
Electric light and power	284	283	282	274	273
SERVICE:					
Hotels (year-round)	364	360	361	377	377
Power laundries <u>2/</u>	220	216	216	233	232
Cleaning and dyeing <u>2/</u>	90.1	88.0	84.1	93.4	92.5

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
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
ALL MANUFACTURING	144.6	148.1	151.4	155.5	329.4	336.1	349.6	346.7
DURABLE GOODS	166.2	171.4	175.2	183.9	367.2	379.3	390.9	390.8
NONDURABLE GOODS	127.6	129.7	132.7	133.1	292.4	293.8	309.2	303.6
<u>Durable goods</u>								
IRON AND STEEL AND THEIR PRODUCTS	146.2	151.1	155.9	161.4	306.6	320.1	336.7	334.4
Blast furnaces, steel works, and rolling mills	137.2	139.7	140.9	133.3	283.4	295.4	299.8	265.4
Gray-iron and semisteel castings	141.4	152.9	163.3	181.4	281.6	309.4	345.1	394.3
Malleable-iron castings	158.3	161.8	174.6	194.2	327.8	346.5	384.8	460.3
Steel castings	190.7	204.1	220.1	224.9	383.9	417.0	470.6	478.5
Cast-iron pipe and fittings	143.1	152.3	162.8	161.6	313.7	355.3	423.4	401.4
Tin cans and other tinware	133.2	132.3	134.4	134.9	302.8	295.2	306.1	286.1
Wire drawn from purchased rods	107.5	116.0	122.6	134.0	202.3	215.2	243.0	249.8
Wirework	127.4	129.0	131.2	135.2	299.3	296.4	312.1	298.2
Cutlery and edge tools	131.7	137.5	142.3	149.9	311.4	318.7	338.8	357.8
Tools (except edge tools, machine tools, files, and saws)	137.3	144.4	151.6	164.7	294.4	315.4	341.6	366.6
Hardware	124.7	132.4	138.3	153.2	277.9	298.5	324.0	343.9
Plumbers' supplies	119.9	135.9	142.6	149.8	256.8	283.0	306.3	324.0
Stoves, oil burners, and heating equipment, not elsewhere classified	115.4	117.0	122.2	170.4	244.6	250.0	260.8	371.4
Steam and hot-water heating apparatus and steam fittings	161.1	167.2	177.9	198.2	318.0	332.5	379.5	427.6
Stamped and enameled ware and galvanizing	153.9	160.7	168.9	197.4	366.8	380.1	403.5	464.1
Fabricated structural and ornamental metalwork	179.9	178.7	177.2	178.0	392.3	378.7	385.2	364.2
Metal doors, sash, frames, molding, and trim	119.5	120.1	124.5	131.4	271.4	272.3	281.2	288.6
Bolts, nuts, washers, and rivets	162.5	172.7	180.2	187.8	337.5	375.0	402.8	408.2
Forgings, iron and steel	210.0	218.7	225.9	214.2	429.9	455.8	490.2	443.7
Wrought pipe, welded and heavy-riveted	204.4	211.4	216.6	211.0	437.8	464.3	476.2	443.1
Screw-machine products and wood screws	164.9	175.3	182.6	202.1	347.1	370.4	398.0	445.4
Steel barrels, kegs, and drums	102.4	97.7	107.6	117.7	268.2	256.0	265.2	302.6
Firearms	425.5	430.9	429.0	397.9	1005.8	980.9	1016.1	915.6
ELECTRICAL MACHINERY	180.4	187.5	194.9	211.6	386.0	401.7	424.1	431.6
Electrical equipment	169.6	178.7	186.0	201.6	360.3	381.6	403.3	410.3
Radios and phonographs	181.6	183.5	190.4	204.6	427.4	423.7	454.0	451.4
Communication equipment	239.4	242.4	250.5	277.3	483.8	489.0	506.4	530.0

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
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
MACHINERY, EXCEPT ELECTRICAL	197.7	206.7	214.4	228.5	406.8	423.4	448.5	466.4
Machinery and machine-shop products	213.3	220.6	229.5	244.6	443.1	457.6	484.7	509.3
Engines and turbines	254.2	263.7	271.4	286.7	536.2	549.9	579.2	617.6
Tractors	190.2	191.2	194.0	180.1	338.5	342.7	358.0	285.4
Agricultural machinery, excluding tractors	259.9	265.7	267.0	263.7	577.6	591.6	601.2	571.2
Machine tools	110.6	113.8	116.1	129.7	198.9	205.4	211.8	240.7
Machine-tool accessories	182.8	192.7	197.3	214.4	321.0	341.1	359.7	389.9
Textile machinery	166.4	174.6	183.5	189.8	379.1	399.1	423.7	444.8
Pumps and pumping equipment	248.2	256.8	266.8	288.0	548.4	564.1	594.0	630.7
Typewriters	93.8	92.8	93.3	147.0	206.2	190.4	201.6	325.0
Cash registers; adding, and calculating machines	192.0	195.6	207.3	231.8	417.9	428.0	456.3	489.4
Washing machines, wringers, and driers, domestic	113.2	112.5	114.8	214.6	252.8	238.2	236.4	454.2
Sewing machines, domestic and industrial	66.2	193.6	193.4	177.2	154.2	451.1	479.4	428.0
Refrigerators and refrigeration equipment	173.8	189.5	207.4	234.6	361.5	369.4	430.1	472.3
TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES	265.0	271.3	276.6	276.0	570.2	573.9	599.4	566.4
Locomotives	381.0	390.2	400.1	407.7	887.3	905.4	930.5	916.4
Cars, electric- and steam-railroad	213.4	217.0	225.8	219.6	481.7	478.9	533.9	478.5
Aircraft and parts, excluding aircraft engines	367.9	383.0	382.8	315.3	795.2	796.2	819.2	634.2
Aircraft engines	318.4	317.4	322.4	282.4	581.3	582.9	587.0	493.5
Shipbuilding and boatbuilding	113.8	115.2	121.0	167.6	239.0	245.5	259.5	345.7
Motorcycles, bicycles, and parts	123.1	125.2	128.2	185.2	254.6	258.6	264.1	370.5
AUTOMOBILES	176.4	189.6	188.7	190.5	394.5	430.3	415.7	362.6
NONFERROUS METALS AND THEIR PRODUCTS	149.6	154.3	160.7	173.7	316.1	327.0	345.3	362.5
Smelting and refining, primary, of nonferrous metals	149.9	149.9	148.8	149.8	343.4	347.9	343.8	321.6
Alloying; and rolling and drawing of nonferrous metals, except aluminum	103.7	110.7	126.0	135.6	191.5	200.2	242.3	268.9
Clocks and watches	110.3	110.4	112.4	139.2	271.9	273.5	279.4	327.4
Jewelry (precious metals) and jewelers' findings	165.7	173.6	176.9	182.6	334.7	342.5	368.2	362.4
Silverware and plated ware	202.3	209.2	214.5	224.2	407.3	448.5	459.0	522.4
Lighting equipment	129.0	134.6	142.2	148.4	291.5	309.1	317.3	293.3
Aluminum manufactures	154.5	160.0	164.4	181.5	306.9	320.2	332.6	347.0
Sheet-metal work, not elsewhere classified	163.5	166.8	171.0	195.5	370.8	372.3	387.6	430.2

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
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
LUMBER AND TIMBER BASIC PRODUCTS	175.6	170.9	169.9	183.6	452.3	427.8	413.9	461.1
Sawmills and logging camps	191.9	185.4	183.9	200.1	501.7	469.3	451.8	496.8
Planing and plywood mills	172.4	173.7	173.8	182.0	426.8	424.2	416.4	445.1
FURNITURE AND FINISHED LUMBER PRODUCTS	125.8	128.8	130.8	139.7	296.1	299.2	310.7	325.6
Mattresses and bedsprings	150.2	154.9	156.6	162.6	316.6	330.5	346.9	340.2
Furniture	125.3	129.1	132.0	140.3	295.3	299.7	313.8	328.6
Wooden boxes, other than cigar	110.9	108.4	107.4	122.8	284.4	261.8	258.2	301.1
Caskets and other morticians' goods	119.7	120.0	125.6	142.8	236.1	234.2	256.5	289.2
Wood preserving	136.9	137.6	133.3	131.1	388.9	386.2	364.4	351.5
Wood, turned and shaped	125.6	129.5	130.6	139.5	291.0	303.7	313.8	325.1
STONE, CLAY, AND GLASS PRODUCTS	141.7	143.9	147.6	154.7	321.5	323.5	335.9	343.4
Glass and glassware	150.7	151.2	153.4	170.3	345.8	342.7	356.1	364.4
Glass products made from purchased glass	119.4	124.9	131.8	140.7	267.9	279.8	289.2	304.6
Cement	150.3	149.9	148.6	147.7	320.9	312.2	306.5	305.0
Brick, tile, and terra cotta	132.4	132.4	133.2	137.1	321.8	320.7	322.6	328.6
Pottery and related products	165.9	173.1	176.5	173.1	347.8	367.3	384.6	359.8
Gypsum	142.8	147.3	148.9	152.5	296.9	310.7	328.5	349.7
Wallboard, plaster (except gypsum), and mineral wool	106.2	110.1	149.3	179.0	265.6	266.2	363.4	465.0
Lime	108.6	111.6	109.0	116.1	298.5	304.8	303.5	314.7
Marble, granite, slate, and other products	104.3	103.3	103.0	97.8	208.1	201.5	198.9	183.2
Abrasives	223.2	237.7	256.2	260.2	448.8	492.6	537.1	565.0
Asbestos products	128.4	132.2	140.8	157.9	305.6	302.8	334.4	380.0
<u>Nondurable goods</u>								
TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES	95.0	96.1	100.4	113.0	233.6	237.6	260.3	303.8
Cotton manufactures, except smallwares	108.7	111.2	114.6	125.4	278.6	294.3	319.6	369.7
Cotton smallwares	87.7	88.4	90.2	102.3	210.5	206.6	211.8	238.3
Silk and rayon goods	77.4	79.5	85.7	95.0	215.0	218.9	239.5	289.0
Woolen and worsted manufactures, except dyeing and finishing	76.1	70.4	81.7	109.9	190.3	172.6	208.3	307.9
Hosiery	78.5	79.9	81.5	87.5	179.9	182.8	190.5	197.6
Knitted cloth	90.9	92.9	94.2	99.4	211.5	222.9	229.1	223.1
Knitted outerwear and knitted gloves	98.4	100.8	105.2	113.8	231.5	229.5	256.8	266.4
Knitted underwear	95.6	99.3	99.1	128.3	219.0	224.0	240.2	326.5
Dyeing and finishing textiles, including woolen and worsted	124.8	127.1	127.8	133.3	295.9	306.2	320.1	321.7
Carpets and rugs, wool	132.0	138.6	143.6	146.8	311.5	322.4	362.8	358.1
Hats, fur-felt	65.6	55.9	72.3	84.2	140.3	103.6	160.6	184.6
Jute goods, except felts	111.3	113.1	111.2	112.0	257.3	264.8	262.9	272.2
Cordage and twine	106.9	110.1	112.3	128.7	245.9	257.8	276.1	303.4

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	
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	134.6	142.3	149.2	137.1	283.3	297.3	344.7	297.9
Men's clothing, not elsewhere classified	117.1	123.7	126.1	125.0	249.8	263.0	288.7	288.6
Shirts, collars, and nightwear	94.0	93.5	92.7	99.0	231.8	225.1	230.5	241.4
Underwear and neckwear, men's	108.2	109.2	111.8	108.3	293.5	287.8	322.5	296.7
Work shirts	111.5	114.9	112.7	114.3	274.4	288.2	288.5	289.6
Women's clothing, not elsewhere classified	149.0	160.9	174.2	149.4	288.4	307.9	380.0	299.3
Corsets and allied garments	92.1	92.8	98.0	98.8	210.6	204.4	226.1	213.0
Millinery	77.5	88.4	97.5	70.4	133.9	170.2	228.8	111.9
Handkerchiefs	99.6	103.0	105.1	99.2	229.6	245.0	279.1	239.1
Curtains, draperies, and bedspreads	110.1	112.9	113.9	113.3	278.3	275.5	296.7	255.0
Housefurnishings, other than curtains, etc.	252.7	247.2	243.1	196.3	589.8	569.5	576.6	430.4
Textile bags	132.3	181.9	187.4	168.6	417.9	402.4	414.8	368.1
LEATHER AND LEATHER PRODUCTS	98.9	103.3	106.0	103.3	209.6	222.0	238.7	215.4
Leather	87.4	87.9	90.3	94.9	188.8	186.2	195.3	201.1
Boot and shoe cut stock and findings	78.0	81.3	86.8	86.9	149.6	160.7	180.6	169.6
Boots and shoes	95.7	100.8	103.7	97.7	202.7	220.1	239.6	202.8
Leather gloves and mittens	92.7	95.7	100.3	123.9	184.0	185.1	203.6	256.9
Trunks and suitcases	156.2	159.6	142.9	158.6	348.5	340.8	311.4	339.8
FOOD	139.6	136.3	135.2	127.7	316.5	302.8	302.7	281.3
Slaughtering and meat packing	144.2	142.2	148.0	92.2	296.0	284.9	297.9	226.4
Butter	162.3	176.4	168.1	194.5	412.5	390.1	376.1	407.2
Condensed and evaporated milk	203.8	189.8	183.5	198.3	504.1	466.6	446.5	477.9
Ice cream	176.0	157.7	144.9	166.0	354.8	316.5	292.1	311.3
Flour	138.7	139.0	142.9	143.6	302.2	296.0	309.1	314.6
Feeds, prepared	181.4	170.1	167.4	161.5	459.5	424.6	408.5	367.4
Cereal preparations	160.2	155.1	159.7	152.6	358.0	345.7	367.6	333.6
Baking	131.0	129.6	128.6	127.2	281.0	276.2	269.7	259.2
Sugar refining, cane	156.1	158.4	159.0	134.5	351.7	324.7	340.1	274.4
Sugar, beet	39.8	37.0	37.2	57.2	89.3	84.3	85.7	117.0
Confectionery	114.3	121.2	123.3	111.4	256.2	270.1	285.7	235.5
Beverages, nonalcoholic	179.1	166.4	162.8	182.0	325.9	293.5	283.9	311.6
Malt liquors	195.0	183.8	192.1	181.9	382.9	345.8	363.1	332.8
Canning and preserving	96.4	92.3	81.0	101.9	258.8	242.8	213.3	260.4
TOBACCO MANUFACTURES	87.4	86.5	88.4	90.5	196.0	188.9	198.8	201.3
Cigarettes	124.3	121.9	120.2	120.7	259.5	255.3	257.7	253.1
Cigars	72.5	71.9	75.6	78.3	162.9	152.2	167.7	175.1
Tobacco (chewing and smoking) and snuff	69.6	71.2	72.6	75.9	151.8	151.7	159.8	161.8

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
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
PAPER AND ALLIED PRODUCTS	140.4	141.4	143.6	146.5	316.3	317.0	327.6	331.1
Paper and pulp	142.8	143.6	145.4	148.5	321.0	322.5	332.2	343.2
Paper goods, other	159.3	159.5	161.6	163.0	364.8	360.3	368.1	355.0
Envelopes	137.9	142.0	144.1	145.8	273.0	286.5	292.4	283.3
Paper bags	136.1	139.0	144.9	158.5	324.5	334.9	358.1	355.4
Paper boxes	126.7	127.8	130.1	131.8	280.8	279.6	292.5	290.4
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	131.5	131.4	131.6	132.0	277.3	273.8	273.9	262.2
Newspapers and periodicals	129.4	128.8	128.3	123.3	264.7	260.0	255.3	236.5
Printing; book and job	140.4	141.1	141.8	144.3	304.9	301.8	307.5	296.7
Lithographing	111.9	113.0	112.4	117.6	221.0	218.7	218.9	224.1
Bookbinding	129.6	128.3	129.7	136.2	302.5	302.6	305.7	302.9
CHEMICALS AND ALLIED PRODUCTS	190.4	197.7	203.3	198.4	425.9	434.9	449.0	422.5
Paints, varnishes, and colors	158.0	159.1	160.2	172.1	311.7	315.1	311.4	329.9
Drugs, medicines, and insecticides	238.7	240.7	238.9	231.1	531.5	525.7	529.9	481.5
Perfumes and cosmetics	104.5	105.2	104.4	105.2	221.8	220.2	222.2	209.7
Soap	164.3	169.2	173.0	142.2	369.7	370.3	384.5	322.9
Rayon and allied products	113.3	119.2	131.6	131.2	256.1	260.9	294.7	275.1
Chemicals, not elsewhere classified	275.9	283.9	290.0	292.9	581.3	597.2	609.3	589.6
Explosives and safety fuses	353.9	355.8	363.6	351.9	720.6	694.8	714.4	683.8
Compressed and liquefied gases	220.6	223.2	224.3	250.9	477.2	481.3	489.1	491.7
Ammunition, small-arms	125.1	144.9	159.2	181.6	294.1	280.8	346.9	404.1
Fireworks	229.4	238.6	212.4	219.7	567.1	588.6	537.9	594.9
Cottonseed oil	106.8	121.5	134.2	89.1	312.4	348.7	400.0	245.9
Fertilizers	169.7	202.3	206.0	171.4	518.6	593.7	591.0	470.4
PRODUCTS OF PETROLEUM AND COAL	154.1	153.2	152.6	157.3	343.8	340.6	339.4	335.8
Petroleum refining	152.8	153.3	154.1	156.7	334.6	332.0	334.7	326.2
Coke and byproducts	149.6	147.6	146.9	143.2	348.9	349.8	346.6	320.6
Paving materials	139.4	124.8	92.3	97.1	308.4	274.1	204.9	222.8
Roofing materials	177.6	171.0	167.3	213.2	422.1	406.3	379.7	508.5

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
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
RUBBER PRODUCTS	144.2	147.8	151.0	161.1	294.5	291.4	298.4	318.9
Rubber tires and inner tubes	155.5	158.1	158.2	168.5	292.9	285.2	287.8	305.7
Rubber boots and shoes	125.2	130.9	133.9	146.4	275.4	276.1	251.6	328.1
Rubber goods, other	137.9	142.0	148.7	157.5	303.0	306.2	330.1	337.7
MISCELLANEOUS INDUSTRIES	158.5	162.7	164.8	176.6	350.9	359.5	373.5	384.2
Instruments (professional and scientific), and fire-control equipment	274.1	274.9	274.6	242.8	593.9	589.6	598.1	492.6
Photographic apparatus	203.0	210.7	210.4	214.1	401.3	415.4	426.6	409.7
Optical instruments and ophthalmic goods	213.4	217.6	219.6	224.1	430.8	439.1	447.2	426.7
Pianos, organs, and parts	129.1	145.0	147.7	175.2	254.8	306.5	311.7	367.8
Games, toys, and dolls	178.6	181.2	175.9	210.3	428.8	410.3	434.3	496.7
Buttons	105.2	105.3	110.0	114.2	234.6	242.9	258.4	269.4
Fire extinguishers	203.6	202.8	202.7	260.9	521.4	503.7	512.6	563.4

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

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	
	May	Apr.	Mar.	May	May	Apr.	Mar.	May
MINING:								
Coal:								
Anthracite	88.4	89.6	90.1	91.4	215.8	195.7	160.1	246.2
Bituminous-coal	102.5	104.7	105.4	108.9	323.8	326.1	309.0	344.3
Metal	100.6	102.4	101.6	98.7	226.9	235.2	237.4	206.1
Iron	157.6	157.7	152.1	155.0	372.5	374.3	368.2	336.3
Copper	107.9	110.5	111.4	106.0	255.6	277.1	277.3	232.6
Lead and zinc	98.9	104.4	104.8	100.6	255.6	265.6	285.7	238.9
Gold and silver	34.6	34.9	35.0	31.3	62.7	64.3	63.9	54.6
Miscellaneous	187.3	187.6	188.5	182.9	390.2	388.4	396.0	352.5
Quarrying and nonmetallic	119.0	118.9	114.2	124.2	320.0	309.6	286.8	312.5
Crude petroleum and natural gas production	113.4	112.6	112.9	112.5	242.7	235.8	233.1	223.4
TRANSPORTATION AND PUBLIC UTILITIES:								
Class I railroads ^{1/}	125.3	123.0	121.3	133.8	^{1/}	^{1/}	^{1/}	^{1/}
Street railways and busses	123.2	124.3	124.9	128.5	227.2	227.2	229.2	228.1
Telephone	199.6	200.4	200.5	198.4	348.2	342.0	344.9	326.1
Telegraph	84.7	86.1	86.0	96.3	208.4	210.6	206.8	231.1
Electric light and power	116.3	116.0	115.6	112.3	211.3	208.1	206.1	192.1
TRADE: ^{2/}								
Wholesale	112.6	114.0	114.5	114.5	218.7	218.7	217.4	211.8
Retail	109.5	113.0	109.3	113.1	219.4	223.4	214.5	213.8
Food	111.5	112.5	112.0	116.3	232.2	234.0	231.7	227.0
General merchandise	119.4	128.2	119.0	123.7	234.3	244.0	227.5	229.2
Apparel	112.4	123.9	108.8	115.2	210.4	238.1	200.0	211.8
Furniture and housefurnishings	88.9	89.2	89.8	91.9	178.6	176.1	177.1	180.3
Automotive	109.2	108.2	107.1	107.0	225.9	220.3	212.7	205.3
Lumber and building materials	116.0	115.9	114.0	123.7	242.2	237.5	231.9	242.6
SERVICE:								
Hotels (year-round) ^{3/}	112.9	111.6	112.0	117.0	238.9	232.0	233.1	234.6
Power laundries	112.2	110.3	110.2	119.0	230.1	221.2	219.2	232.3
Cleaning and dyeing	154.9	151.2	144.5	160.6	322.4	308.9	278.9	312.4

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 data 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 data 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 reports compiled by the Bureau of the Census, while information 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 Series - 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. Data 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. Employment Methodology - 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 the series may be carried forward. This base or "bench mark" is either a complete count or a figure with a satisfactory degree of accuracy. When a new bench mark becomes available, data prepared since the last

bench mark are reviewed to determine if any adjustment of level is required. This is the basic principle of the employment series prepared 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 BLS computes employment data 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 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 figure 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 the 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 data 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 nonmanufacturing 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 series 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 series of employment in nonagricultural establishments differ from the Monthly Report of the Labor Force total non-agricultural employment figures in several important respects.

For example; (1) The BLS information covers 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 indexes is similar to that for employment. Sample changes showing monthly movements are used in projecting established bench marks to secure current pay-roll figures. These pay-roll figures are converted into indexes, using the 1939 average as a base.

Sec. G. Source of Data - Employment and pay-roll data are based on reports from cooperating establishments. The approximate number of establishments, and the 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 Data - The employment series 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 figures and indexes shown in tables 8 and 10 refer to production and related workers as defined in the glossary.

Sec. I. State Employment - State data are prepared in cooperation with various State Agencies as indicated below. The series 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 marks than others, and because varying methods of computation are used, the total of the State series differs from the national total (see tables 1 and 2). Because of these recent revisions the State data for manufacturing are not consistent with the unrevised data shown prior to June 1947 for total employment in nonagricultural 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. Nonagricultural employment, by State, for those States which are now publishing such series are shown in table 6 and are consistent with the manufacturing data in table 7. As nonagricultural data 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.

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 - Div. of Placement and Unemployment Compensation, Chicago 54.
 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 Indus-
 trial 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 Division 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.
 South Dakota - Employment Security Dept., Aberdeen.
 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 14.
 Washington - Employment Security Dept., Olympia.
 Wisconsin - Statistical Dept., Industrial Commission, Madison 3.
 Wyoming - Employment Security Commission, Casper.

BJS 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 - Number of production workers expressed as a percentage of the average employment in 1939.

Indexes of Production-Worker Weekly Pay Rolls - 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 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 foremen 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.