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Frances Perkins, *Secretary*

BUREAU OF LABOR STATISTICS

Isador Lubin, *Commissioner (on leave)*

A. F. Hinrichs, *Acting Commissioner*



EMPLOYMENT AND PAY ROLLS

Prepared by

DIVISION OF EMPLOYMENT STATISTICS

Lewis E. Talbert, *Chief*

and

DIVISION OF CONSTRUCTION AND

PUBLIC EMPLOYMENT

Herman B. Byer, *Chief*

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Employment and Pay Rolls

SUMMARY OF REPORTS FOR APRIL 1941

Total Nonagricultural Employment

TOTAL civil nonagricultural employment in April, 37,645,000, exceeded the previous high reached in September 1929 by 175,000 and the April 1940 level by 2,763,000. Despite the huge decline in employment in bituminous-coal mining during wage negotiations, there were 418,000 more workers in nonagricultural jobs in April than in March, principally as a result of increases in manufacturing, construction, and trade. These figures do not include C. C. C. enrollees, workers on W. P. A. or N. Y. A. projects, nor the armed forces.

Continued expansion of defense production accounted largely for the increase since March of 218,000 workers in manufacturing, while heavy Easter business resulted in an increase of 198,000 workers in the wholesale and retail trade group. A seasonal increase in private building construction accounted largely for the gain of 129,000 workers in construction. In the finance, service, and miscellaneous group there was an employment increase of 75,000, in the transportation and public-utilities group a gain of 66,000, and in the Federal, State and local Government service group an increase of 49,000. The only major group to show a decrease in employment was mining, in which 317,000 fewer workers (chiefly bituminous-coal miners) were employed in April than in March.

All major groups except mining showed substantial employment gains over April of last year. In manufacturing the gain was 1,538,000, in construction 642,000, in trade 335,000, and in the Federal, State, and local Government services 268,000. Mining employment showed a reduction of 288,000 over the year interval.

Emergency employment decreased 9,000 over the month as a result of the following changes: An increase of 189,000 in the military service and decreases of 142,000 on projects operated by the Work Projects Administration, 40,000 on the out-of-school work program of the National Youth Administration, and 16,000 in the Civilian Conservation Corps.

Industrial and Business Employment

Of the 157 manufacturing industries surveyed, 138 showed gains in employment from March to April and 119 showed increases in pay rolls, most of the increases being larger than seasonal or contraseasonal. Of the 16 nonmanufacturing industries regularly covered, 12 reported employment gains and a like number showed pay-roll increases. Factory employment and pay rolls showed substantial contraseasonal gains from March to April and were at the highest levels on record. The increase in factory wage earners amounted to 218,000 or 2.3 percent, and in weekly factory wages to more than \$6,775,000 or 2.7 percent. The usual seasonal changes in April are decreases of 0.1 percent in employment and 0.8 percent in weekly wages. A comparison with April of last year showed that the factory employment level had climbed 18.9 percent and the factory pay-roll level 37.7 percent. Increased hours, overtime payments, and wage increases were responsible for the larger gain in pay rolls than in employment. Key defense industries in which substantial employment gains occurred between March and April were shipbuilding (12,000), aircraft (9,800), machine tools (2,800), engines (2,700), and machine-tool accessories (2,500). Other manufacturing industries affected by war-material orders and showing large employment gains were foundry and machine-shop products (25,500), electrical machinery (12,900), and steel (9,800). Agricultural implements showed an employment gain of 32.6 percent (19,200), principally as a result of the settlement of labor disputes, and employment in canneries showed a seasonal gain of 20.5 percent (9,800). Among the industries showing declines, partly seasonal, were women's clothing (6,700), shoes (2,500), hosiery (1,800), and confectionery (1,800).

Retail trade employment increased 5.6 percent and pay rolls 5.9 percent between mid-March and mid-April, bringing the employment index to the highest April level since 1929 and the pay-roll index to the highest April level since 1930. The employment gains in the general merchandising and apparel groups under retail trade (13.3 percent and 19.4 percent, respectively) were much larger than the average April increases, due in part to the fact that heavy Easter trade occurred in the mid-week of April this year. Increases among the various retail lines were general, the largest being in shoe stores, variety stores, men's and boys' clothing stores, family clothing stores, women's clothing stores, drygoods and general merchandise stores, and department stores. Wholesale trade firms reported contraseasonal employment and pay-roll gains of 0.6 percent and 1.2 percent, respectively. Among the wholesale lines showing contraseasonal employment gains were drygoods and apparel, farm supplies, furniture and housefurnishings, general merchandise, and groceries. Wholesale lines showing seasonal employment increases included food

products, iron and steel scrap, machinery, heating and plumbing supplies, and electrical goods. In anthracite mines employment was curtailed by 3.0 percent and pay rolls by 42.6 percent, reflecting materially decreased production. In bituminous-coal mines employment fell 76.8 percent and pay rolls 83.5 percent, principally as a result of work stoppages pending the signing of new contracts. Metal mines reported larger than seasonal gains of 3.1 percent in employment and 5.8 percent in pay rolls, reflecting defense needs, and bringing the indexes of employment and pay rolls to the highest points since October 1937. Quarries and nonmetallic mines increased employment by 8.8 percent, reflecting a resumption of operations at this season. Laundries reported a larger-than-seasonal employment gain of 2.9 percent and dyeing and cleaning plants a larger than seasonal employment increase of 12.4 percent.

Employment in private building construction increased seasonally by 11.1 percent from March to April and showed a gain of 33.6 percent from April of last year. Large employment gains over the month interval (ranging from 7.8 percent to 17.8 percent) were registered in 7 of the 9 geographic divisions. The East South Central States and the Pacific States showed small employment declines. General building contractors as a group increased employment 13.8 percent, while the special-trades group increased employment by 8.7 percent. Of the 15 special building trades surveyed, 13 reported increased employment and 2 reported fewer workers on their pay rolls. The special trades which showed increased employment were brick and stone masonry (24.2 percent), painting and decorating (18.3 percent), ornamental-iron contracting (11.3 percent), tile and terrazzo contracting (10.6 percent), roofing and sheet metalwork (9.9 percent), excavating (9.8 percent), building insulation (9.3 percent), plastering (8.7 percent), carpentering (8.2 percent), plumbing and heating (7.3 percent), wood flooring (6.5 percent), electrical contracting (2.2 percent), and glazing (6.4 percent). The trades showing decreases were structural-steel erection (0.4 percent), and elevator installation and repair (0.5 percent).

A preliminary report of the Interstate Commerce Commission for class I steam railroads showed an employment gain of 2.9 percent between March and April, the total number employed in April being 1,080,896. Corresponding pay-roll figures for April were not available when this report was prepared. For March they were \$176,538,586, a gain of \$17,714,574 since February.

Hours and earnings.—The average hours worked per week by manufacturing wage earners were 40.0 in April, a decrease of 1.1 percent since March. The corresponding average hourly earnings were 70.8 cents, a gain of 1.7 percent from the preceding month. The average weekly earnings of factory wage earners (both full- and part-

time combined) were \$29.10, an increase of 0.5 percent since March. Of the 16 nonmanufacturing industries regularly surveyed, 11 reported increases in average weekly earnings. Of the 14 nonmanufacturing industries for which man-hours are available, 8 showed gains in average hours worked per week and 7 reported increases in average hourly earnings.

TABLE 1.—*Employment, Pay Rolls, and Earnings in All Manufacturing Industries Combined and in Nonmanufacturing Industries, April 1941*

Industry	Employment			Pay roll			Average weekly earnings		
	Index April 1941	Percentage change from—		Index April 1941	Percentage change from—		Average in April 1941	Percentage change from—	
		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940
All manufacturing industries combined ¹	(1929=100) 122.7	+2.3	+18.9	(1929=100) 134.8	+2.7	+37.7	\$29.10	+0.5	+15.8
Class I steam railroads ²	105.9	+2.9	+9.7	(³)	(³)	(³)	(³)	(³)	(³)
Coal mining:	(1929=100)			(1929=100)					
Anthracite ⁴	48.7	-3.0	-4.8	24.3	-42.6	-32.9	16.43	-40.9	-29.5
Bituminous ⁴	21.1	-76.8	-75.5	15.5	-83.5	-78.6	19.59	-29.1	-12.7
Metalliferous mining ⁵	76.6	+3.1	+13.2	76.9	+5.8	+21.3	31.66	+2.6	+7.2
Quarrying and nonmetallic mining.....	48.1	+8.8	+8.0	47.0	+16.5	+23.4	24.46	+7.1	+14.2
Crude-petroleum production.....	60.7	+8	-3.9	57.1	+1.8	-3.1	34.59	+1.0	+9
Public utilities:									
Telephone and telegraph ⁶	83.0	+1.5	+8.2	108.1	+1.6	+9.5	31.97	+1	+1.2
Electric light and power ⁶	91.9	+1.8	+2.1	107.8	+1.6	+4.4	35.75	+2	+2.3
Street railways and busses ^{6,7}	68.2	-(⁸)	-2	71.8	-1.0	+3.8	34.27	-9	+4.0
Trade:									
Wholesale ¹⁰	92.3	+6	+3.3	83.0	+1.2	+7.2	31.37	+6	+3.8
Retail ⁶	97.7	+5.6	+8.8	91.3	+5.9	+10.9	21.55	+2	+2.0
Hotels (year-round) ^{6,11}	95.1	+1.0	+2.6	86.7	+1.2	+4.2	15.70	+2	+1.5
Laundries ⁴	105.5	+2.9	+8.5	95.5	+5.1	+11.5	18.75	+2.1	+2.8
Dyeing and cleaning ⁴	117.4	+12.4	+12.4	98.1	+27.2	+23.2	23.00	+13.1	+9.6
Brokerage.....	(⁹)	-9	-14.0	(⁹)	+7	-14.2	38.46	+1.6	-3
Insurance.....	(⁹)	+3	+1.5	(⁹)	-4	+2.0	36.98	-7	+5
Building construction.....	(⁹)	+11.1	+33.6	(⁹)	+15.5	+47.6	33.96	+4.0	+10.5
Water transportation ¹²	80.1	+8	-1.4	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)

¹ Indexes adjusted to preliminary 1939 Census of Manufactures. See table 9 in December 1940 EMPLOYMENT AND PAY ROLLS for comparable series back to January 1919.

² Preliminary—Source: Interstate Commerce Commission.

³ Not available.

⁴ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of EMPLOYMENT AND PAY ROLLS. See also table 7 of October 1940 pamphlet for revised figures for anthracite mining February to September 1940, inclusive.

⁵ See table 7 of February 1941 pamphlet for revised figures January 1938 to January 1941.

⁶ Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable with indexes published in pamphlets prior to January 1940. Revised series available upon request.

⁷ Average weekly earnings not strictly comparable with figures published in issues of this pamphlet dated earlier than January 1938, as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

⁸ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

⁹ Less than 1/10 of 1 percent.

¹⁰ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of pamphlet.

¹¹ Cash payments only; the additional value of board, room, and tips cannot be computed.

¹² Based on estimates prepared by the United States Maritime Commission.

More factory workers were affected by general wage-rate increases between mid-March and mid-April than during any month since April 1937. These increases averaged 9.6 percent and affected more than 813,000 wage earners in 1,222 manufacturing establishments out

of a reporting sample of 33,850 plants employing 6,954,741 workers. Among the industries in which substantial numbers of workers received pay raises were steel, cotton goods, aircraft, woolen and worsted goods, electrical machinery, silk and rayon goods, petroleum refining, and foundry and machine shops. The wage-rate changes reported for nonmanufacturing industries affected 23,549 workers, about half of whom were engaged in metalliferous mining. As the Bureau's survey does not cover all establishments in an industry, and furthermore as some firms may have failed to report wage changes, these figures should not be construed as representing the total number of wage changes occurring in manufacturing and nonmanufacturing industries.

Employment and pay-roll indexes and average weekly earnings for April 1941 are given in table 1 for all manufacturing industries combined and selected nonmanufacturing industries, for water transportation, and for class I railroads. Percentage changes over the month and year intervals are also given.

Public Employment

Total employment on construction projects financed from appropriations to regular Federal agencies was expanded by 39,000 during the month ending April 15. In spite of sizable gains on naval vessel, airport, and residential building construction, employment on defense construction showed a net loss of 5,000 as a result of decreased employment on troop cantonments. Nondefense construction, with seasonal gains on Federal-aid roads, dredging, dike, revetment, and miscellaneous projects showed an employment increase of 44,000 over the month. Defense and nondefense projects together furnished employment to approximately 890,000 workers in the month ending April 15. Pay-roll disbursements of \$115,910,000 were \$5,915,000 more than in the preceding month.

Contractors on low-rent projects of the United States Housing Authority added 2,000 building-trades workers to their pay rolls in the month ending April 15. Approximately 6,200 men were working on defense housing projects, a gain of 500 from the preceding month, and 32,700 were employed on nondefense housing, an increase of 1,500 over March. Total wage payments of \$3,893,000 were \$408,000 more than in the preceding month.

Employment on construction projects financed from Public Works Administration funds showed a slight decline in the month ending April 15. Pay-roll disbursements of \$1,338,000 to the 11,000 men employed were \$22,000 less than in March.

Further employment gains were reported in the month ending April 15 on construction projects financed by the Reconstruction Finance

Corporation. An increase of 2,200 on defense construction lifted the total to 6,100, and 200 additional workers on nondefense projects brought that total up to 2,300. Wage payments to the 8,400 men employed on both types of work amounted to \$1,135,000.

Increasing employment in manufacturing and trade in April again lightened the relief load by a sizable amount. The number of persons at work on relief projects operated by the Work Projects Administration fell to 1,566,000 in April, a decrease of 142,000 from March. Defense projects employed 426,000 persons and nondefense projects 1,140,000. Pay-roll disbursements on all projects totaled \$92,326,000. Employment on Federal agency projects financed by the Work Projects Administration showed a decrease of 1,000 from March to April. The 58,000 persons employed were paid \$2,696,000.

The National Youth Administration reported an increase of 7,000 in the number of persons employed on the student work program and a decrease of 40,000 on the out-of-school work program. Wage payments to the 480,000 persons on the student program amounted to \$3,369,000 and to the 425,000 on the out-of-school program the total was \$8,487,000.

The number of persons at work in camps of the Civilian Conservation Corps declined 16,000 in April. Of the 266,600 persons on the pay roll, 231,800 were enrollees; 1,500, educational advisers; 100, nurses; and 33,200, supervisory and technical employees. Pay rolls of \$12,339,000 were \$492,000 less than in March.

In the regular services of the Federal Government, large increases were reported in the executive and military branches while employment in the judicial and legislative branches showed very slight decreases. Of the 1,251,000 employees in the executive service, 173,000 were working in the District of Columbia and 1,078,000 outside the District. Force-account employees (employees on the pay roll of the U. S. Government who are engaged on construction projects, and whose period of employment terminates as the project is completed) were 11 percent of the total number of employees in the executive service. Increased employment was reported in the War and Navy Departments, the Department of Agriculture, the Office of Emergency Management, and the Panama Canal.

Employment on State-financed road projects increased seasonally in April. Of the 146,000 on the pay roll, 35,000 were engaged in the construction of new roads and 111,000 on maintenance. Pay-roll disbursements of \$11,812,000 were \$1,630,000 more than in March.

A summary of employment and pay-roll data in the regular Federal services and on projects financed wholly or partially from Federal funds is given in table 2.

TABLE 2.—Summary of Employment and Pay Rolls in Regular Federal Services and on Projects Financed Wholly or Partially From Federal Funds, April 1941

[Subject to revision]

Class	Employment			Pay rolls		
	April 1941	March 1941	Percentage change	April 1941	March 1941	Percentage change
Federal services:						
Executive 1.....	1,251,283	1,202,348	+4.1	\$189,213,464	\$184,244,306	+2.7
Judicial.....	2,505	2,509	(2)	641,009	640,485	+1.1
Legislative.....	6,015	6,033	— .3	1,320,148	1,318,229	+1.1
Military.....	1,532,132	1,343,316	+14.1	91,805,598	77,907,387	+17.8
Construction projects:						
Financed by regular Federal appropriations.....	890,050	850,679	+4.6	115,909,892	109,995,226	+5.4
Defense.....	703,802	709,226	— .8	97,822,631	95,253,528	+2.7
Other.....	186,248	141,453	+31.7	18,087,261	14,741,698	+22.7
U. S. H. A. low-rent housing.....	38,970	36,989	+5.4	3,892,911	3,485,089	+11.7
Defense.....	6,230	5,701	+9.3	603,642	524,047	+15.2
Other.....	32,740	31,288	+4.6	3,289,269	2,961,042	+11.1
Financed by P. W. A. ³	10,997	11,391	— 3.5	1,338,312	1,360,442	— 1.6
Financed by R. F. C. ⁴	8,403	6,011	+39.8	1,135,134	772,227	+47.0
Defense.....	6,127	3,968	+54.4	861,486	550,132	+56.6
Other.....	2,276	2,043	+11.4	273,648	222,095	+23.2
Federal agency projects financed by Work Projects Administration.....	57,827	58,950	— 1.9	2,696,470	2,647,479	+1.9
Defense.....	27,256	28,364	— 3.9	1,273,492	1,202,492	+5.9
Other.....	30,571	30,586	(2)	1,422,978	1,444,987	— 1.5
Projects operated by W. P. A.....	1,566,325	1,708,658	— 8.3	92,325,962	95,910,162	— 3.7
Defense.....	426,400	455,524	— 6.4	(5)	(5)	-----
Other.....	1,139,925	1,253,134	— 9.0	(5)	(5)	-----
National Youth Administration:						
Student work program.....	480,419	473,417	+1.5	3,369,480	3,300,411	+2.1
Out-of-school work program.....	425,302	465,283	— 8.6	8,486,681	9,005,825	— 5.8
Civilian Conservation Corps.....	266,645	282,896	— 5.7	12,339,002	12,830,524	— 3.8

¹ Includes force-account and supervisory and technical employees shown under other classifications to the extent of 176,999 employees and pay-roll disbursements of \$26,447,715 for April 1941, and 166,561 employees and pay-roll disbursements of \$22,752,260 for March 1941.

² Less than $\frac{1}{10}$ of 1 percent.

³ Data covering P. W. A. projects financed from National Industrial Recovery Act funds, Emergency Relief Appropriation Acts of 1935, 1936, 1937 funds, and Public Works Administration Appropriation Act of 1938 funds are included. These data are not shown under projects financed by the Work Projects Administration. Includes 3,198 wage earners and \$402,329 pay roll for April 1941; 3,039 wage earners and \$334,173 pay roll for March 1941, covering Public Works Administration projects financed from Emergency Relief Appropriation Acts of 1935, 1936, and 1937 funds. Includes 7,488 wage earners and \$914,006 pay roll for April 1941, financed from funds provided by the Public Works Administration Appropriation Act of 1938.

⁴ Includes 434 employees and pay-roll disbursements of \$97,835 for April 1941; 318 employees and pay-roll disbursements of \$27,257 for March 1941 on projects financed by the RFC Mortgage Co.

⁵ Pay-roll data not available.

DETAILED TABLES FOR APRIL 1941

Estimates of Nonagricultural Employment

THE estimates of "Total civil nonagricultural employment," given on the first line of table 3, represent the total number of persons engaged in gainful work in the United States in nonagricultural industries, excluding military and naval personnel, persons employed on W. P. A. or N. Y. A. projects, and enrollees in C. C. C. camps. The series described as "Employees in nonagricultural establishments" also excludes proprietors and firm members, self-employed persons, casual workers, and persons in domestic service. The estimates for "Employees in nonagricultural establishments" are shown separately for each of seven major industry groups. Tables giving figures for each group, by months, for the period from January 1929 to date are available on request.

The figures represent the number of persons working at any time during the week ending nearest the middle of each month. The totals for the United States have been adjusted to conform to the figures shown by the 1930 Census of Occupations for the number of nonagricultural "gainful workers" less the number shown to have been unemployed for 1 week or more at the time of the census. Separate estimates for "employees in nonagricultural establishments" are shown in table 4 for each of the 48 States and the District of Columbia for March and April 1941 and April 1940. Tables showing monthly figures for each State from January 1938 to date are available on request. Because the State figures do not include employees on merchant vessels, and because of certain adjustments in the United States estimates which have not been made on a State basis, the total of the State estimates will not agree exactly with the figure for the United States as a whole.

These estimates are based in large part on industrial censuses and on regular reports of employers to the United States Bureau of Labor Statistics and to other Government agencies, such as the Interstate Commerce Commission. Data derived from employers' quarterly reports in connection with "old age and survivors' insurance," and employers' monthly reports in connection with unemployment compensation have been used extensively as a check on estimates derived from other sources, and in some industries they have provided the most reliable information available.

TABLE 3.—*Estimates of Total Nonagricultural Employment, by Major Groups*

[In thousands]

Industry	April 1941 (preliminary)	March 1941	Change March to April 1941	April 1940	Change April 1940 to April 1941
Total civil nonagricultural employment ¹	37,645	37,227	+418	34,882	+2,763
Employees in nonagricultural establishments ^{1 2}	31,502	31,084	+418	28,739	+2,763
Manufacturing ³	11,370	11,152	+218	9,832	+1,538
Mining.....	547	864	-317	835	-288
Construction.....	1,760	1,631	+129	1,118	+642
Transportation and public utilities.....	3,122	3,056	+66	2,956	+166
Trade.....	6,457	6,259	+198	6,122	+335
Finance, service, and miscellaneous.....	4,262	4,187	+75	4,160	+102
Federal, State, and local Government:					
Civil employees.....	3,984	3,935	+49	3,716	+268
Military and naval forces ⁴	1,532	1,343	+189	461	+1,071

¹ Excludes military and naval forces as well as employees on W. P. A. and N. Y. A. projects, and enrollees in C. C. C. camps. Includes proprietors, firm members, self-employed persons, casual workers, and domestic servants. Includes allowance for adjustment of factory wage-earner totals to preliminary 1939 Census of Manufactures. (Revised series available on request.)

² Excludes all of the groups omitted from "total civil nonagricultural employment" as well as proprietors, firm members, self-employed persons, casual workers, and domestic servants.

³ Adjusted to preliminary 1939 Census of Manufactures.

⁴ Not included in totals shown above. Includes members of the National Guard inducted into the Federal service by act of Congress.

TABLE 4.—*Estimated Number of Employees in Nonagricultural Establishments, by States*

[Excludes proprietors, firm members, self-employed persons, casual workers, domestic workers, the armed forces of the United States, and employees on merchant vessels]

[Numbers in thousands]

Geographic division and State	April 1941 (preliminary)	March 1941	Change March to April 1941		April 1940	Change April 1940 to April 1941	
			Number	Percentage		Number	Percentage
New England	2,788	2,723	+65	+2.3	2,399	+389	+16.2
Maine.....	198	190	+8	+4.1	180	+18	+9.7
New Hampshire.....	138	134	+4	+2.8	121	+17	+14.1
Vermont.....	75	73	+2	+2.3	69	+6	+8.3
Massachusetts.....	1,454	1,427	+27	+1.8	1,259	+195	+15.5
Rhode Island.....	264	255	+9	+3.6	215	+49	+22.8
Connecticut.....	659	644	+15	+2.3	555	+104	+18.6
Middle Atlantic	8,026	7,972	+54	+ .7	7,475	+551	+7.4
New York.....	4,022	3,951	+71	+1.8	3,787	+235	+6.2
New Jersey.....	1,250	1,226	+24	+1.9	1,103	+147	+13.3
Pennsylvania.....	2,754	2,795	-41	-1.5	2,585	+169	+6.5
East North Central	7,370	7,232	+138	+1.9	6,568	+802	+12.2
Ohio.....	1,931	1,891	+40	+2.1	1,705	+226	+13.2
Indiana.....	869	847	+22	+2.6	739	+130	+17.6
Illinois.....	2,373	2,337	+36	+1.6	2,173	+200	+9.2
Michigan.....	1,521	1,499	+22	+1.5	1,339	+182	+13.6
Wisconsin.....	676	658	+18	+2.7	612	+64	+10.4
West North Central	2,437	2,364	+73	+3.1	2,273	+164	+7.2
Minnesota.....	538	514	+24	+4.6	501	+37	+7.4
Iowa.....	407	398	+9	+2.2	388	+19	+4.9
Missouri.....	822	798	+24	+2.9	756	+66	+8.7
North Dakota.....	74	73	+1	+2.1	72	+2	+2.9
South Dakota.....	80	79	+1	+1.3	78	+2	+2.5
Nebraska.....	201	195	+6	+3.5	193	+8	+4.1
Kansas.....	315	307	+8	+2.6	285	+30	+10.6

TABLE 4.—*Estimated Number of Employees in Nonagricultural Establishments, by States—Continued*

[Excludes proprietors, firm members, self-employed persons, casual workers, domestic workers, the armed forces of the United States, and employees on merchant vessels]

[Numbers in thousands]

Geographic division and State	April 1941 (preliminary)	March 1941	Change March to April 1941		April 1940	Change April 1940 to April 1941	
			Number	Percentage		Number	Percentage
South Atlantic	3,788	3,845	-57	-1.4	3,386	+402	+11.9
Delaware.....	74	71	+3	+4.8	67	+7	+10.4
Maryland.....	584	558	+26	+4.5	486	+98	+20.0
District of Columbia.....	391	376	+15	+4.1	329	+62	+18.8
Virginia.....	544	553	-9	-1.7	477	+67	+14.0
West Virginia.....	296	384	-88	-22.8	361	-65	-17.9
North Carolina.....	658	647	+11	+1.7	569	+89	+15.6
South Carolina.....	325	317	+8	+2.5	274	+51	+18.6
Georgia.....	523	522	+1	+0.3	467	+56	+12.1
Florida.....	393	416	-23	-5.4	356	+37	+10.6
East South Central	1,403	1,424	-21	-1.5	1,311	+92	+6.9
Kentucky.....	348	379	-31	-8.2	350	-2	-.7
Tennessee.....	476	471	+5	+1.1	429	+47	+10.8
Alabama.....	388	389	-1	-.3	353	+35	+10.1
Mississippi.....	191	185	+6	+2.8	179	+12	+6.3
West South Central	1,979	1,952	+27	+1.4	1,777	+202	+11.3
Arkansas.....	191	183	+8	+4.2	173	+18	+10.7
Louisiana.....	399	394	+5	+1.2	358	+41	+11.3
Oklahoma.....	294	289	+5	+1.9	283	+11	+3.9
Texas.....	1,095	1,086	+9	+0.8	963	+132	+13.7
Mountain	773	763	+10	+1.2	738	+35	+4.6
Montana.....	112	108	+4	+3.7	107	+5	+4.2
Idaho.....	84	82	+2	+3.0	80	+4	+5.6
Wyoming.....	52	53	-1	-1.0	49	+3	+6.7
Colorado.....	219	218	+1	+0.2	210	+9	+4.2
New Mexico.....	71	69	+2	+1.7	70	+1	+1.5
Arizona.....	94	93	+1	+0.7	88	+6	+5.7
Utah.....	107	107	0	-.4	103	+4	+4.4
Nevada.....	34	33	+1	+3.7	31	+3	+9.2
Pacific	2,590	2,525	+65	+2.6	2,319	+271	+11.7
Washington.....	462	445	+17	+3.8	403	+59	+14.6
Oregon.....	252	244	+8	+3.2	224	+28	+12.4
California.....	1,876	1,836	+40	+2.2	1,692	+184	+10.9

Industrial and Business Employment

Monthly reports on employment and pay rolls are available for 157 manufacturing industries; 16 nonmanufacturing industries, including private building construction; water transportation; and class I steam railroads. The reports for the first 2 of these groups—manufacturing and nonmanufacturing—are based on sample surveys by the Bureau of Labor Statistics. The figures on water transportation are based on estimates prepared by the Maritime Commission and those on class I steam railroads are compiled by the Interstate Commerce Commission. They are presented in the foregoing summary.

The indexes of factory employment and pay rolls relate to wage earners only. Those shown in tables 5 and 6 are based on the 3-year average 1923-25 as 100. For all manufacturing industries combined, the durable-goods group, the nondurable-goods group, and aluminum

manufactures, they have been adjusted to preliminary 1939 census figures and for automobiles to the 1933 census. The indexes for all other groups and industries have been adjusted to 1937 census data except for the aircraft industry and the transportation equipment group, which have been adjusted on the basis of a complete employment survey of the aircraft industry made by the Bureau of Labor Statistics in August 1940. The over-all manufacturing indexes are computed from reports supplied by representative manufacturing establishments in 90 of the 157 industries surveyed. These reports cover more than 55 percent of the total wage earners in all manufacturing industries of the country and more than 65 percent of the wage earners in the 90 industries covered.

Indexes for 55 of the 67 manufacturing industries recently added to the monthly survey are shown in table 8. These indexes are based on 1939 as 100.

The indexes for the nonmanufacturing industries are based on the 12-month average for 1929 as 100. Figures for mining, laundries, and dyeing and cleaning cover wage earners only, but the figures for public utilities, trade, and hotels relate to all employees except corporation officers, executives, and other employees whose duties are mainly supervisory. For crude-petroleum production they cover wage earners and clerical field force. The coverage of the reporting samples for the various nonmanufacturing industries ranges from approximately 25 percent for wholesale and retail trade, dyeing and cleaning, and insurance, to approximately 80 percent for quarrying and nonmetallic mining, anthracite mining, and public utilities.

The indexes for retail trade have been adjusted to conform in general with the 1935 Census of Retail Distribution and are weighted by lines of trade. For the public utilities they have been adjusted to the 1937 Census of Electrical Industries, for wholesale trade to the 1933 census, and for coal mining, year-round hotels, laundries, and dyeing and cleaning to the 1935 censuses.

Data for both manufacturing and nonmanufacturing industries are based on reports of the number of employees and the amount of pay rolls for the pay period ending nearest the 15th of the month.

The average weekly earnings shown in tables 5 and 6 are computed by dividing the total weekly pay rolls in the reporting establishments by the total number of full- and part-time employees reported. As not all reporting establishments supply man-hours, average hours worked per week and average hourly earnings are necessarily based on data furnished by a smaller number of reporting firms. The size and composition of the reporting sample vary slightly from month to month. Therefore, the average hours per week, average hourly earnings, and average weekly earnings shown may not be strictly

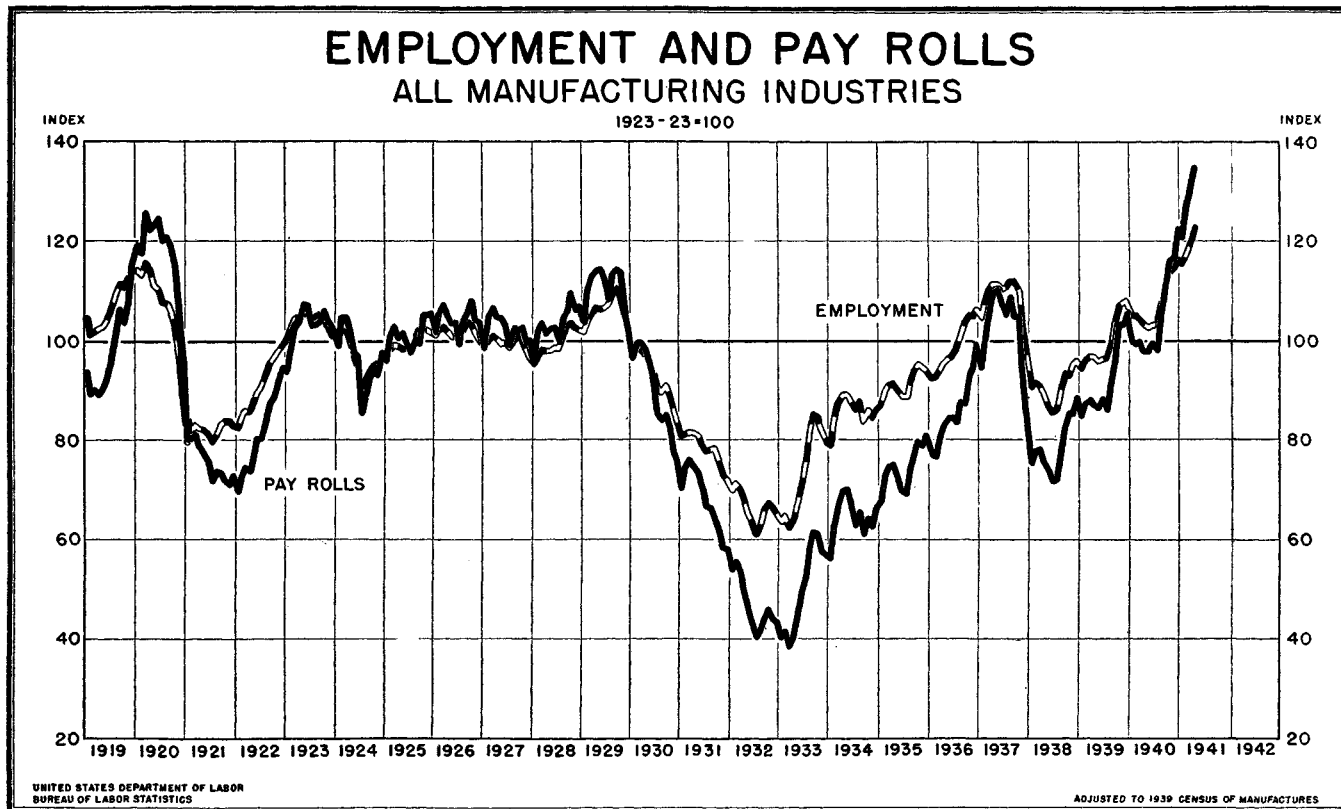
comparable from month to month. The sample, however, is believed to be sufficiently adequate in virtually all instances to indicate the general movement of earnings and hours over the period shown. The changes from the preceding month, expressed as percentages, are based on identical lists of firms for the 2 months, but the changes from April 1940 are computed from chain indexes based on the month-to-month percentage changes.

EMPLOYMENT AND PAY-ROLL INDEXES, AVERAGE HOURS, AND AVERAGE EARNINGS

The indexes of employment and pay rolls as well as average hours worked per week, average hourly earnings, and average weekly earnings in manufacturing and nonmanufacturing industries in April 1941 are shown in table 5. Percentage changes from March 1941 and April 1940 are also given.

The employment and pay-roll indexes, as well as average hours worked per week, average hourly earnings, and average weekly earnings for February, March, and April 1941, where available, are presented in table 6. The February and March figures, where given, may differ in some instances from those previously published because of revisions necessitated primarily by the inclusion of late reports. Revised figures for the plumbers' supplies industry are given in table 7 for the months from January 1940 to March 1941, inclusive. Indexes of employment and pay rolls are given in table 8 for 55 of the 67 newly added manufacturing industries for the months of February, March, and April 1941. These indexes are based on 1939 as 100 and are available in mimeographed form for the period from January 1939 to January 1941, inclusive.

In table 9 indexes of employment and pay rolls are given for all manufacturing industries combined, for the durable- and nondurable-goods groups of manufacturing industries, and for each of 13 non-manufacturing industries, by months, from April 1940 to April 1941, inclusive. The indexes for all manufacturing industries combined, the durable-goods group, and the nondurable-goods group have been adjusted to preliminary 1939 census figures. Comparable indexes for all available months and years back to January 1919 are given in tables 9, 10, and 11 of the December 1940 issue of this pamphlet. The chart on page 13 indicates the trend of factory employment and pay rolls from January 1919 to April 1941.



*Use of average hourly earnings in "escalator" clauses.*¹—Average hourly earnings of wage earners, such as those shown in table 6, have been compiled regularly by the Bureau of Labor Statistics since 1932. These averages are published for the use of those who wish either to compare the average earnings of wage earners in different industries, or to study the changes in average earnings over a period of time.

Certain characteristics of the average earnings should be indicated. The average of the actual earnings of wage earners as a group may change from one period to another for either of two reasons: (1) By reason of changes in the wages paid or (2) by reason of changes in the composition of the group of wage earners actually at work in different periods. As an example of the latter cause of change, it is evident that if, from one month to the next, the number of wage earners employed in a high-wage industry increases proportionally more than employment generally has increased, the average of actual earnings for the group as a whole will increase. This increase might take place even though there were no changes whatsoever in the earnings of any wage earner in any one of the establishments. It is apparent, therefore, that the Bureau's averages reflect both changes in the actual hourly rates paid as well as changes in the composition of the wage earners in the group. The averages contained in table 6 for all manufacturing, for durable goods, for nondurable goods, and for the various subgroups of industries, such as "iron and steel and their products," reflect both types of influence upon hourly earnings; and they measure the average of the actual earnings of the wage earners actually at work in each respective period.

To an increasing extent, use is being made of these average hourly earnings figures in so-called "escalator" clauses in Government contracts. These are designed to protect contractors from losses that might arise from general wage increases over which they could exercise no control. A number of contracts extending over many months have been written recently with clauses that provide for increased payments to the contractor in case of increases in the average of the hourly earnings in the durable-goods industries.

It should be pointed out that the characteristics of the Bureau's average hourly earnings figures, as described above, make it desirable to use these averages for other than their designed purpose with a certain degree of caution. The purpose for which they were compiled limits their usefulness, especially in July and August, as a measure of change in labor rates. In these months the averages show a seasonal movement unrelated to rates of pay. For example, the average hourly earnings figure in the durable-goods industries dropped from 73.2 cents

¹ Reprint from *EMPLOYMENT AND PAY ROLLS*, August 1940.

in June to 72.7 cents in July. This drop was due not to a general decline in wages in this period but almost entirely to the fact that employment in the automobile industry declined sharply as the result of model changes. This industry is a high-wage industry in which the average hourly earnings are about 95 cents an hour. Between June and July, employment in the automobile industry dropped from 104.9 to 82.3. This relative decline, of a purely seasonable character, in the number of highly paid automobile workers was very largely responsible for the decline of half a cent noted in the average hourly earnings in durable-goods industries.

By way of illustration of the problem involved it would be possible to construct an index of earnings that was unrelated to changes in the relative occupational composition of the group workers actually at work. For example, giving the averages for the several industries the same weights in July and August that they had in June and considering only the influence of changes in average earnings in each industry, we find no change in the rate of earnings from June to July and approximately the same percentage change as is shown by the published figures from July to August. This means that from June to August, the currently published figures show a slight decline over this 3-month interval whereas the series computed with constant weights shows a small gain.

It is not within the province of the Bureau to indicate the type of average that was contemplated by the contracting parties in the contracts already drawn; least of all can the method of compiling an average be changed. It is obvious however that in incorporating any statistical series in legal documents careful consideration should be given to the purpose for which the figures were originally compiled and to their relevance to some new purpose. The officials of the Bureau are at the disposal of all those who wish to apply any of the Bureau's series to administrative problems. Carefully interpreted and applied, these data have a present usefulness far greater than was imagined in the past. Their appropriate adaptation to new uses involves on the one hand a careful consideration by the Bureau of the purposes of the contracting parties; on the other, consultation with the Bureau to discover whether the new figures as they stand meet the purposes in mind.

TABLE 5.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, April 1941*

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index, April 1941	Percentage change from—		Index, April 1941	Percentage change from—		April 1941	Percentage change from—		April 1941	Percentage change from—		April 1941	Percentage change from—	
		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940
All manufacturing²	122.7	+2.3	+18.9	134.8	+2.7	+37.7	\$29.10	+0.5	+15.8	40.0	-1.1	+7.6	<i>Cents</i> 70.8	+1.7	+7.0
Durable goods ²	127.7	+3.2	+28.4	150.0	+3.7	+52.4	33.49	+1.5	+17.9	41.6	-1.2	+8.7	78.6	+2.1	+8.2
Nondurable goods ²	117.8	+1.3	+9.6	117.8	+1.3	+21.1	23.57	0	+10.5	38.4	-1.0	+5.9	62.9	+1.8	+3.9
<i>Durable goods</i>															
Iron and steel and their products, not including machinery	129.4	+1.7	+27.2	150.8	+6.8	+58.9	34.41	+5.0	+24.9	40.8	-1.6	+12.7	84.1	+5.7	+10.5
Blast furnaces, steel works, and rolling mills.....	137.4	+1.7	+26.7	164.1	+10.1	+66.5	37.87	+8.3	+31.4	39.8	-1.9	+15.3	95.4	+9.2	+13.9
Bolts, nuts, washers, and rivets.....	154.7	+2.8	+42.3	212.0	+6.3	+86.1	32.99	+3.5	+30.8	44.7	+1.4	+21.7	73.8	+2.0	+7.4
Cast-iron pipe.....	92.6	+2.4	+24.3	104.3	+5.1	+67.7	27.06	+2.7	+34.9	41.8	+1.5	+25.9	64.3	+1.9	+7.1
Cutlery (not including silver and plated cutlery) and edge tools.....	116.5	+2.8	+12.2	124.8	+1.4	+33.5	27.96	-1.4	+19.0	42.2	-1.9	+7.3	67.4	-1.5	+10.9
Forgings, iron and steel.....	99.5	+2.2	+48.9	140.5	+2.1	+87.1	38.18	-1.1	+25.7	45.4	-1.1	+14.7	84.3	+1.0	+9.5
Hardware.....	116.6	-1.4	+18.9	135.7	-1.7	+30.5	28.64	-1.3	+9.8	41.4	-1.9	+8.0	69.3	+1.6	+1.8
Plumbers' supplies ³	100.8	+1.3	+23.3	98.4	-2.1	+32.8	28.18	-2.4	+7.8	39.4	-2.5	+3.1	71.6	+1.0	+4.3
Stamped and enameled ware ⁴	210.0	+1.2	+31.6	242.5	+1.6	+48.3	27.08	-1.6	+12.7	40.4	-1.8	+6.8	66.8	+2.2	+5.4
Steam and hot-water heating apparatus and steam fittings.....	108.9	+1.4	+28.7	116.8	+4.2	+54.4	32.28	+2.7	+19.9	43.6	+2.7	+14.1	74.1	-1.1	+5.3
Stoves.....	108.4	+4.8	+19.4	108.7	+5.7	+32.1	28.28	+1.9	+10.8	40.1	-1.4	+4.5	70.8	+1.0	+5.1
Structural and ornamental metalwork.....	99.1	+2.0	+41.7	103.4	+6.5	+69.0	33.71	+4.5	+19.2	43.2	+1.0	+12.7	78.2	+3.5	+6.0
Tin cans and other tinware.....	109.0	+1.8	+14.9	127.4	+4.2	+26.1	26.11	+2.4	+9.7	41.3	+2.2	+5.6	64.3	+1.4	+3.9
Tools (not including edge tools, machine tools, files, and saws).....	133.0	+2.3	+42.2	165.7	+3.3	+82.1	31.67	+1.0	+28.1	46.3	+1.3	+18.0	68.1	+1.6	+8.6
Wirework.....	207.4	-1.1	+28.4	242.8	-5.3	+38.9	28.62	-4.2	+8.2	40.1	-3.6	+4.7	71.6	-1.7	+3.1

Machinery, not including transportation equipment	156.5	+6.0	+37.8	198.2	+6.4	+63.0	35.06	+4	+18.3	44.7	-7	+10.2	76.8	+1.3	+7.0
Agricultural implements (including tractors)	175.8	+32.6	+24.3	242.4	+49.6	+45.9	37.84	+12.8	+17.4	43.7	+6.6	+9.1	87.1	+6.2	+7.7
Cash registers, adding machines, and calculating machines	151.3	+3.4	+17.3	191.0	+6.5	+42.6	39.26	+3.0	+21.6	45.3	+2.2	+14.4	87.7	+8	+7.1
Electrical machinery, apparatus, and supplies	147.3	+4.1	+45.1	192.3	+3.4	+70.6	34.41	-7	+17.5	44.1	-7	+11.8	78.2	+1	+4.9
Engines, turbines, water wheels, and windmills	255.4	+3.4	+82.2	368.2	-2.3	+101.1	37.92	-5.4	+10.4	43.1	-6.3	-1	88.3	+1.0	+10.3
Foundry and machine-shop products	130.0	+5.1	+33.7	152.5	+6.2	+59.8	34.60	+1.0	+19.5	44.8	-3	+11.1	77.9	+1.3	+7.4
Machine tools	316.9	+3.2	+46.5	472.2	+2.2	+64.4	41.10	-9	+12.3	51.1	-2.1	+6.4	80.8	+1.1	+6.5
Radios and phonographs	158.5	+6.3	+23.6	165.9	+4.2	+41.2	25.31	-1.9	+14.4	39.4	-2.0	+7.3	64.4	+(6)	+6.7
Textile machinery and parts	98.9	+2.8	+16.5	112.1	+1.6	+39.9	31.32	-1.2	+20.2	45.0	-1.8	+12.2	69.7	+6	+7.1
Typewriters and parts	138.3	+3.5	+20.9	174.5	+9.6	+55.5	30.93	+5.9	+28.7	43.8	+3.6	+18.3	70.6	+2.2	+8.8
Transportation equipment	166.2	+3.2	+42.2	191.4	-2.9	+54.0	36.48	-5.9	+8.4	39.7	-6.1	+4.4	92.5	+6	+3.9
Aircraft	5,913.6	+6.3	+159.0	7,182.5	+7.6	+197.4	35.55	+1.2	+18.4	45.4	+4	+9.3	79.3	+1.2	+8.0
Automobiles	132.4	+7	+18.2	147.3	-9.7	+21.6	36.36	-10.3	+2.9	37.0	-10.5	-2.0	98.3	+2	+4.9
Cars, electric- and steam-railroad	73.7	+3.9	+28.4	75.9	+12.7	+42.0	31.93	+8.5	+10.7	39.7	+5.2	+4.3	80.4	+3.1	+5.4
Locomotives	59.7	+7.0	+112.9	71.6	+11.8	+174.5	36.75	+4.5	+28.9	45.7	+5.5	+24.1	80.4	-1.0	+3.8
Shipbuilding	204.4	+8.1	+92.6	392.5	+7.5	+131.6	39.11	-5	+20.3	42.7	-2.8	+12.0	90.6	+1.8	+6.8
Nonferrous metals and their products	138.8	+1.4	+31.4	157.0	+1.2	+52.3	31.49	-2	+15.9	42.0	-3	+8.3	74.9	+(5)	+7.2
Aluminum manufactures	231.0	+3.1	+29.5	290.4	+12.4	+39.8	31.40	+9.1	+8.1	41.7	+0.3	+3.7	75.4	-2	+4.2
Brass, bronze, and copper products	182.5	+1.1	+45.0	233.6	-1.3	+75.7	35.70	-2.4	+21.1	43.8	-1.5	+11.7	81.6	-9	+8.5
Clocks and watches and time-recording devices	114.3	+2.6	+27.8	133.8	+3.7	+45.9	25.86	+1.1	+14.2	41.2	-1.5	+9.0	62.7	+2.4	+4.9
Jewelry	104.4	+2	+16.0	93.7	-3	+29.8	24.07	-5	+11.0	40.3	-1.4	+10.4	59.4	+8	+2.9
Lighting equipment	113.3	+1.3	+31.8	105.8	+3	+42.5	28.60	-9	+8.1	39.8	-2.2	+4.2	71.8	+1.3	+3.6
Silverware and plated ware	81.6	+2.2	+15.4	82.0	-5	+30.5	29.04	-2.6	+13.2	43.2	-2.6	+9.1	67.8	-3	+4.3
Smelting and refining—copper, lead, and zinc	101.3	+6	+17.9	107.5	+1.7	+27.3	30.10	+1.0	+7.9	39.1	-3	-2	77.1	+1.3	+8.3
Lumber and allied products	73.8	+1.7	+10.3	75.7	+4.0	+23.3	22.18	+2.3	+11.8	40.2	+1.5	+5.0	54.7	+8	+6.3
Furniture	97.6	+9	+13.0	95.2	+1.4	+28.3	23.22	+5	+13.6	40.8	+(5)	+6.5	57.0	+3	+6.6
Lumber:															
Millwork	69.7	+(5)	+14.5	59.3	+2.8	+24.6	23.36	+2.8	+8.7	41.1	+2.2	+3.3	56.6	+6	+5.3
Sawmills	65.2	+2.3	+8.1	66.4	+5.9	+20.0	21.03	+3.4	+11.1	39.7	+2.1	+4.3	53.0	+1.3	+6.6
Stone, clay, and glass products	93.0	+3.7	+15.5	91.1	+6.9	+26.2	28.50	+3.2	+9.3	38.0	+2.2	+4.0	69.5	+9	+4.6
Brick, tile, and terra cotta	69.2	+5.9	+19.3	62.4	+11.2	+38.2	23.38	+5.1	+15.8	38.4	+2.7	+7.7	60.6	+2.2	+7.7
Cement	74.2	+7.2	+9.7	75.5	+14.0	+18.6	28.72	+6.3	+8.2	40.3	+5.3	+5.8	71.3	+9	+2.2
Glass	121.8	+1.9	+15.6	143.5	+2.1	+25.6	28.70	+3	+8.7	37.4	+1.0	+4.3	77.0	-8	+4.2
Marble, granite, slate, and other products	46.3	+4.4	-9	34.6	+11.1	+9	26.80	+6.4	+1.8	36.9	+1.1	-1.4	73.5	+1.6	+1.7
Pottery	113.1	+1.7	+21.6	110.9	+6.3	+30.4	24.88	+4.5	+7.2	37.6	+1.0	+1.1	66.6	+3.4	+6.9
Nondurable goods															
Textiles and their products	112.2	+5	+13.6	107.1	0	+31.6	19.46	-5	+15.9	37.3	-1.4	+8.9	52.3	+1.3	+5.8
Fabrics	103.7	+1.0	+17.4	104.1	+3.0	+38.4	19.28	+2.0	+17.8	38.3	-9	+11.0	50.9	+3.0	+6.2
Carpets and rugs	86.9	+1.6	+9.2	81.2	-2.3	+19.8	25.86	-3.8	+9.8	37.4	-4.4	+5.4	69.2	+6	+4.1
Cotton goods	104.7	+1.1	+15.4	113.3	+8.1	+40.6	17.54	+7.0	+21.9	39.3	+1.3	+12.5	44.6	+5.5	+8.6
Cotton small wares	100.8	+2.7	+27.6	107.4	+2.8	+46.4	20.73	+1	+14.5	40.2	-1.6	+8.1	51.6	+1.8	+5.8
Dyeing and finishing textiles	143.3	+9	+14.3	134.7	+1.1	+28.6	22.78	+2	+12.5	38.7	-4.8	+6.2	58.4	+5.3	+5.9

See footnotes at end of table.

TABLE 5.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, April 1941—Continued*

MANUFACTURING—Continued

[Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index, April 1941	Percentage change from—		Index, April 1941	Percentage change from—		April 1941	Percentage change from—		April 1941	Percentage change from—		April 1941	Percentage change from—	
		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940
Nondurable goods—Continued															
Textiles and their products—Continued.															
Fabrics—Continued.															
Hats, fur-felt.....	80.7	-4.7	+23.5	66.9	-24.1	+73.3	\$23.00	-20.3	+40.4	29.4	-22.3	+31.3	Cents 75.9 -1.5 +7.8		
Hosiery.....	141.9	-1.3	+1.4	155.2	-3.3	+7.7	19.37	-2.1	+6.1	35.4	-2.2	+5.0	54.7	+3	+1.9
Knitted underwear.....	71.4	+4.7	+19.1	63.9	+5.1	+35.4	18.53	+4	+13.7	37.3	-2	+7.8	49.2	+3	+4.8
Knitted underwear.....	82.6	+2.7	+7.0	84.0	+2.8	+22.7	17.03	+2	+14.9	37.8	-1.4	+6.7	44.8	+1.1	+6.8
Knitted cloth.....	141.5	-2.8	-8.4	132.7	-2	+30.9	20.89	+2.6	+20.8	40.1	+1.2	+16.5	51.8	+1.4	+4.1
Silk and rayon goods.....	68.5	+1.8	+6.2	60.1	+4.6	+19.5	18.04	+2.7	+12.5	37.6	-6	+7.2	47.8	+3.4	+5.0
Woolen and worsted goods.....	104.3	+1.5	+56.2	101.5	+1.2	+90.9	22.44	-3	+22.3	38.7	-1.5	+18.9	58.1	+1.2	+2.7
Wearing apparel.....	126.4	-5	+6.6	106.6	-5.1	+20.2	19.96	-4.6	+12.7	35.4	-2.4	+4.8	54.7	-1.5	+5.5
Clothing, men's.....	117.9	+1.7	+13.9	98.7	-9	+37.0	21.40	-2.6	+19.8	35.9	-1.9	+12.8	59.8	-2	+5.0
Clothing, women's.....	172.6	-2.9	+2.7	132.9	-10.2	+12.0	20.62	-7.5	+9.1	34.9	-3.3	+1	53.6	-4.2	+5.9
Corsets and allied garments.....	118.1	+2	+2.3	132.5	-6	+10.2	18.65	-9	+7.6	37.5	-2.8	+3.4	49.2	+1.6	+5.0
Men's furnishings.....	122.3	-2	+3.8	123.9	-4.0	+22.7	15.13	-3.8	+18.4	34.9	-3.6	+6.2	42.6	+6	+11.6
Millinery.....	87.8	-3.5	+6	75.5	-10.8	+2.2	26.37	-7.6	+1.6	32.6	-6.7	-6.8	69.7	-4	+3.8
Shirts and collars.....	130.0	+2.0	+3.8	126.3	+4.3	+13.6	15.20	+2.3	+9.3	36.4	+6	+3.0	42.6	+2.2	+6.0
Leather and its manufactures.....															
Boots and shoes.....	98.0	-1.7	+4.0	92.3	-4.0	+30.6	21.87	-3.3	+25.4	38.0	-4.3	+17.8	57.9	+1.2	+8.3
Leather.....	95.8	-1.2	+2.8	89.1	-5.5	+33.7	20.84	-4.3	+30.2	37.7	-5.0	+20.7	55.5	+1.2	+8.9
	90.0	+1.0	+8.9	95.1	+9	+21.6	26.52	-(⁵)	+11.7	39.2	-1.2	+6.5	67.7	+1.0	+4.7
Food and kindred products.....															
Baking.....	123.9	+3.0	+3.5	125.5	+2.4	+6.6	25.57	-5	+3.1	39.6	-8	+6	65.5	-1	+2.5
Baking.....	146.5	+1.1	+2.8	140.9	+6	+4.8	26.59	-4	+2.0	41.1	-1.2	+(⁵)	64.7	+8	+2.0
Beverages.....	271.5	+2.9	+1.1	331.4	+5.9	+6.2	35.67	+2.9	+5.0	40.0	+2.9	+1.4	89.9	-2	+3.4
Butter.....	102.4	+6.7	+9.2	90.1	+5.6	+11.8	22.96	-1.0	+2.2	45.3	+1	+6	49.6	-1.3	+2.4
Canning and preserving.....	96.9	+20.5	-6.3	87.5	+15.7	+5.2	17.33	-4.0	+12.3	34.2	-1.4	+6.6	51.4	-2.5	+3.5
Confectionery.....	86.4	-3.2	+12.1	85.8	-8.3	+16.0	19.17	-5.2	+3.5	37.1	-5.4	+2	52.5	+3	+3.1
Flour.....	77.4	+7	-1.1	76.4	+5.1	+6.7	26.65	+4.4	+7.9	42.4	+3.7	+4.7	62.2	+1.3	+2.8

Ice cream.....	78.7	+11.1	+5.0	69.5	+11.3	+10.2	30.50	+1.1	+5.0	45.8	+1.6	+2.0	64.1	-1.7	+2.2
Slaughtering and meat packing.....	111.3	+5	+7.4	116.1	+1.6	+5.9	27.21	+1.1	-1.5	39.1	-1	-2.8	69.6	+1.2	+1.1
Sugar, beet.....	43.5	+6	-1.4	43.1	+4.5	-3	28.78	+3.8	+1.1	37.9	+9.4	-3.1	78.8	-3.7	+6.0
Sugar refining, cane.....	102.6	+7.2	+9.2	92.5	+2	+20.2	25.53	-6.6	+10.0	39.1	-5.7	+7.0	65.2	-9	+2.8
Tobacco manufactures.....	63.5	+3	-5	59.1	-5.7	+7	17.08	-6.1	+1.2	33.2	-7.9	-3.5	50.6	+1.9	+4.5
Chewing and smoking tobacco and snuff.....	53.5	-1.4	-8.6	61.6	-4.1	-4.1	18.50	-2.8	+5.4	33.7	-4.4	+1.1	54.9	+1.5	+3.7
Cigars and cigarettes.....	64.7	+5	+6	58.7	-5.9	+1.3	16.80	-6.3	+7	33.2	-8.3	-4.2	50.2	+1.9	+4.9
Paper and printing.....	119.4	+1.1	+4.0	121.3	+8	+10.0	30.51	-3	+5.4	39.6	-2	+3.7	80.5	-1	+1.9
Boxes, paper.....	126.6	+3.0	+12.0	150.7	+3.9	+24.9	23.74	+9	+11.6	40.9	+1	+7.5	58.5	+7	+4.1
Paper and pulp.....	120.3	+1.5	+7.4	139.1	+2.0	+20.6	28.31	+5	+12.3	42.6	+4	+6.6	66.6	+2	+5.2
Printing and publishing:															
Book and job *.....	102.8	+7	+3.3	93.7	-1.3	+7.2	31.54	-1.9	+3.9	39.4	-1.2	+2.4	81.4	-5	+1.5
Newspapers and periodicals *.....	117.1	+2	+5	112.5	+4	+1.4	39.09	+2	+1.0	35.9	+(9)	-5	106.1	+3	+1.3
Chemicals, petroleum, and coal products.....	134.5	+2.9	+8.0	158.6	+5.7	+17.4	30.95	+2.6	+7.7	39.9	+2.0	+3.5	77.3	+1.0	+5.0
Petroleum refining.....	120.5	+8	-5	142.4	+6.7	+4.0	36.64	+5.8	+4.7	37.0	+2.6	+1.2	99.5	+3.2	+3.5
Other than petroleum refining.....	137.8	+3.3	+11.2	161.0	+5.4	+21.7	29.07	+2.0	+9.4	40.7	+1.8	+3.9	70.7	+4	+6.9
Chemicals.....	162.4	+2.0	+20.2	208.3	+3.3	+30.6	34.24	+1.3	+8.6	40.8	-2	+2.3	83.9	+1.4	+6.3
Cottonseed—oil, cake, and meal.....	88.4	-11.1	+11.6	83.3	-11.0	+21.0	15.17	+1	+8.5	42.9	+9	+4.5	34.4	-5	+3.1
Druggists' preparations.....	122.4	+1.3	+3.1	137.7	-(9)	+5.5	25.12	-1.3	+2.1	39.4	-1.1	-3	61.1	-4	+3.8
Explosives.....	(15)	(16)	(18)	(18)	(18)	(18)	35.66	+1.5	+11.7	41.0	+1.1	+6.9	87.1	+3	+4.6
Fertilizers.....	178.7	+26.9	+2.2	176.9	+51.3	+29.9	17.48	+17.9	+26.4	41.9	+15.0	+14.6	41.7	+2.5	+10.3
Paints and varnishes.....	137.4	+3.4	+10.5	157.9	+7.2	+19.8	31.57	+3.6	+8.4	41.9	+2.7	+3.7	75.5	+1.0	+4.7
Rayon and allied products.....	317.9	+1.8	+4.0	342.3	+2.8	+10.0	27.54	+1.0	+5.8	39.0	+2	+9	70.6	+7	+4.9
Soap.....	91.6	+1.0	+12.8	115.6	+7	+17.9	29.76	-3	+5.3	40.4	-4	+2.3	73.7	+2	+2.9
Rubber products.....	105.1	+2.2	+24.1	122.5	+2.5	+41.6	31.77	+3	+14.2	39.4	-7	+9.5	80.4	+5	+3.6
Rubber boots and shoes.....	72.4	+5.2	+29.1	83.6	+4.0	+51.3	26.54	-1.1	+17.3	41.2	-1.8	+10.4	64.8	+8	+6.2
Rubber tires and inner tubes.....	82.7	+3.4	+18.6	106.7	+3.9	+36.6	37.73	+5	+15.2	37.9	+4	+11.3	99.3	-1	+2.5
Rubber goods other.....	180.3	+6	+29.1	194.8	+1	+46.9	26.12	-5	+13.8	40.4	-1.3	+7.3	65.4	+8	+5.7

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NONMANUFACTURING

[Indexes are based on 12-month average, 1929=100]

Coal mining:															
Anthracite ^{10 11}	48.7	-3.0	-4.8	24.3	-42.6	-32.9	\$16.43	-40.9	-29.5	18.5	-38.1	-29.3	92.3	-0.4	+0.9
Bituminous ¹⁰	21.1	-76.8	-75.5	15.5	-83.5	-78.6	19.59	-29.1	-12.7	24.2	-23.5	-3.8	84.9	-3.9	-4.4
Metalliferous mining ¹².....	76.6	+3.1	+13.2	76.9	+5.8	+21.3	31.66	+2.6	+7.2	41.0	-1	0	77.6	+2.8	+7.2
Quarrying and nonmetallic mining.....	48.1	+8.8	+8.0	47.0	+16.5	+23.4	24.46	+7.1	+14.2	40.9	+5.0	+6.4	59.8	+1.6	+6.6
Crude-petroleum production *.....	60.7	+8	-3.9	57.1	+1.8	-3.1	34.59	+1.0	+9	37.7	+1.1	-1.0	88.8	-5	+9
Public utilities:															
Telephone and telegraph ^{12 14}	83.0	+1.5	+8.2	108.1	+1.6	+9.5	31.97	+1	+1.2	40.4	+1.5	+2.8	79.5	-1.3	-1.6
Electric light and power ^{13 14}	91.9	+1.8	+2.1	107.8	+1.6	+4.4	35.75	-2	+2.3	39.7	+1.0	-4	90.3	-1.2	+2.7
Street railways and busses ^{13 14 15}	68.2	-(9)	-2	83.0	-1.0	+3.8	34.27	-9	+4.0	46.3	-6	+3.0	73.0	-2	+1.4

See footnotes at end of table.

TABLE 5.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, April 1941—Continued*

NONMANUFACTURING—Continued

Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index, April 1941	Percentage change from—		Index, April 1941	Percentage change from—		April 1941	Percentage change from—		April 1941	Percentage change from—		April 1941	Percentage change from—	
		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940		March 1941	April 1940
Trade:													<i>Cents</i>		
Wholesale ^{13 16}	92.3	+0.6	+3.3	83.0	+1.2	+7.2	\$31.37	+0.6	+3.8	40.9	+0.7	-0.6	77.2	+(¹⁵)	+5.0
Retail ^{13 14}	97.7	+5.6	+8.8	91.3	+5.9	+10.9	21.55	+2	+2.0	42.5	-4	-1.1	55.1	+0.4	+2.7
Food ¹⁴	107.3	+1.1	+4.1	100.6	+1.5	+6.7	23.90	+4	+2.5	43.0	-3	-8	53.3	+8	+2.5
General merchandising ^{13 14}	109.4	+13.3	+17.8	98.5	+11.6	+15.9	18.09	-1.5	-1.6	38.7	+6	+1	45.9	-1.4	-1.7
Apparel ¹⁴	99.1	+19.4	+16.3	91.8	+20.0	+19.2	21.64	+4	+2.4	38.0	-1	-1.4	56.4	+1.2	+3.5
Furniture ¹⁴	76.8	+3.5	-1.0	72.1	+8.7	+5.4	29.58	+5.0	+6.6	44.6	+1.2	-6	69.5	+3.7	+3.0
Automotive ¹⁴	90.4	+2.8	+6.7	95.2	+8.3	+16.4	31.63	+5.3	+9.0	47.3	+4	-1.6	66.9	+4.1	+10.4
Lumber ¹⁴	75.0	+3.4	+3.6	72.6	+4.9	+6.8	27.17	+1.5	+3.1	42.5	+1.2	-9	65.3	+7	+4.9
Hotels (year-round) ^{10 13 17}	95.1	+1.0	+2.6	86.7	+1.2	+4.2	15.70	+2	+1.5	45.7	-5	-1.3	33.9	+5	+2.7
Laundries ¹⁰	105.5	+2.9	+8.5	95.5	+5.1	+11.5	18.75	+2.1	+2.8	43.4	+2	+1.0	43.2	+1.3	+1.6
Dyeing and cleaning ¹⁰	117.4	+12.4	+12.4	98.1	+27.2	+23.2	23.00	+13.1	+9.6	45.5	+7.3	+6.2	51.6	+4.5	+3.1
Brokerage ¹³	(¹⁸)	-9	-14.0	(¹⁹)	+7	-14.2	38.46	+1.6	-3	(¹⁸)	(¹⁸)	(¹⁸)	(¹⁸)	(¹⁸)	(¹⁸)
Insurance ¹³	(¹⁸)	+3	+1.5	(¹⁸)	-4	+2.0	36.98	-7	+5	(¹⁸)	(¹⁸)	(¹⁸)	(¹⁸)	(¹⁸)	(¹⁸)
Building construction	(¹⁸)	+11.1	+33.6	(¹⁸)	+15.5	+47.6	33.96	+4.0	+10.5	34.4	+4.9	+8.4	98.9	-1.0	+1.9

¹ Mimeographed sheets giving averages by years, 1932 to 1939, inclusive, and by months, January 1938 to August 1940, inclusive, available on request. Average hours and average hourly earnings are computed from data supplied by a smaller number of establishments than average weekly earnings, as not all reporting firms furnish man-hours. The figures are not strictly comparable from month to month because of changes in the size and composition of the reporting sample.

² See tables 9, 10, and 11 in the December 1940 issue of EMPLOYMENT AND PAY ROLLS for comparable series back to January 1919 for all manufacturing and back to January 1923 for the durable- and nondurable-goods groups.

³ Not comparable with previously published figures. See table 7 for revised figures from January 1940 to March 1941.

⁴ Revisions in the following industries have been made as indicated:

Stamped ware.—January 1941 average weekly earnings, average weekly hours, average hourly earnings to \$26.32, 39.4 hours, 66.5 cents; January employment and pay-roll indexes to 190.6 and 214.4.

Automobiles.—August, October, November, December 1940 and January 1941 average weekly earnings to \$37.06, \$39.25, \$38.05, \$36.49, \$37.66; August, November, and December average weekly hours to 38.8, 39.8, 38.2; August, October, November, December, and January average hourly earnings to 95.6, 95.1, 95.7, 95.4, 96.9; August, September, November, December, and January employment indexes to 85.5, 112.2, 129.8, 130.2, 128.5; September, October, December, and January pay-roll indexes to 125.1, 149.2, 145.0, 147.7.

Jewelry.—January average weekly earnings, average weekly hours, average hourly earnings to \$22.78, 38.4, 58.6.

Men's clothing.—January average weekly earnings, average weekly hours, average hourly earnings to \$20.40, 33.4, 60.7; January employment and pay-roll indexes to 109.2, 87.2.

Men's furnishings.—October average hourly earnings to 42.3 cents.

Printing—Book and job.—January average weekly earnings, average hourly earnings to \$31.64, 81.0 cents.

Printing—Newspapers.—January average weekly earnings, average weekly hours, average hourly earnings to \$38.15, 35.4, 105.2; January employment index to 115.2.

⁵ Less than $\frac{1}{10}$ of 1 percent.

⁶ Adjusted on basis of a complete employment survey of the aircraft industry made by the Bureau of Labor Statistics for August 1940. Not comparable with previously pub-

lished indexes from January 1939 to August 1940, inclusive. Comparable figures for this period given in table 9 of the September 1940 issue of EMPLOYMENT AND PAY ROLLS.

⁷ The indexes for "Automobiles" have been adjusted to 1933 census figures, but not to later census figures because of problems involving integrated industries.

⁸ Because of expansion in the reporting sample, hours and earnings are not comparable with those previously published as indicated:

Shipbuilding.—Average weekly earnings, average weekly hours, average hourly earnings (comparable October, November, December, and January figures \$36.57, \$34.46, \$38.37, \$37.69; 41.6, 38.5, 42.6, 42.0 hours; 87.1, 88.4, 89.5, 89.3 cents). November and January employment indexes revised to 204.1 and 240.3; November and December pay-roll indexes to 237.8, 287.7.

⁹ See table 8 in March 1941 EMPLOYMENT AND PAY ROLLS pamphlet for revised figures from January 1935 to February 1941.

¹⁰ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of this pamphlet.

¹¹ See table 7 of October 1940 EMPLOYMENT AND PAY ROLLS for revised employment and pay-roll indexes, average hours worked per week, average hourly earnings, and average weekly earnings in anthracite mining, February 1940 to September 1940, inclusive.

¹² See table 7 of February 1941 pamphlet for revised figures for metalliferous mining from January 1938 to January 1941, inclusive.

¹³ Average weekly earnings, hourly earnings, and hours not comparable with figures published in pamphlets prior to January 1938 as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

¹⁴ Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable to indexes published in pamphlets prior to January 1940 or in MONTHLY LABOR REVIEW prior to April 1940, with but one exception, retail furniture, which has been revised since publication of July 1940 pamphlet back to January 1936. Comparable series for earlier months available upon request.

¹⁵ Covers street-railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "electric-railroad and motorbus operation and maintenance."

¹⁶ Indexes adjusted to 1933 Census. Comparable series in November 1934 and subsequent issues of EMPLOYMENT AND PAY ROLLS.

¹⁷ Cash payments only; additional value of board, room, and tips not included.

¹⁸ Not available.

*See table 6 for January, February, and March revisions.

TABLE 6.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries*

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

Industry	Employment index			Pay-roll index			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941
All manufacturing ²	122.7	119.9	117.8	134.8	131.2	126.8	\$29.10	\$29.10	\$28.56	40.0	40.4	40.0	Cents 70.8	Cents 69.7	Cents 69.2
Durable goods ²	127.7	123.7	121.0	150.0	144.6	139.2	33.49	33.48	32.90	41.5	42.0	41.6	78.5	76.8	76.2
Nondurable goods ²	117.8	116.3	114.7	117.8	116.3	112.9	23.57	23.63	23.23	38.4	38.8	38.3	62.9	62.4	62.1
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	129.4	127.2	125.0	150.8	141.2	137.0	34.41	32.64	32.21	40.8	41.0	40.7	84.1	79.5	79.1
Blast furnaces, steel works, and rolling mills.....	137.4	135.0	133.3	164.1	149.0	145.4	37.87	34.94	34.51	39.8	40.1	40.0	95.4	87.3	86.6
Bolts, nuts, washers, and rivets.....	154.7	150.5	146.0	212.0	199.4	192.7	32.99	31.87	31.87	44.7	44.0	44.3	73.8	72.4	71.9
Cast-iron pipe.....	92.6	90.5	89.3	104.3	99.2	97.4	27.06	26.22	26.07	41.8	41.5	41.3	64.3	62.8	62.9
Cutlery (not including silver and plated cutlery) and edge tools.....	116.5	113.3	109.4	124.8	123.1	114.7	27.96	28.44	27.44	42.2	42.6	41.6	67.4	67.8	67.1
Forgings, iron and steel.....	99.5	97.4	94.5	140.5	137.6	130.2	38.18	38.23	37.29	45.4	45.9	45.2	84.3	83.4	82.7
Hardware.....	116.6	117.1	114.9	135.7	138.1	134.8	28.64	28.95	28.84	41.4	42.0	41.9	69.3	69.0	68.9
Plumbers' supplies ³	100.8	100.5	99.1	98.4	100.5	96.7	28.18	28.97	28.15	39.4	40.4	39.6	71.6	71.5	71.1
Stamped and enameled ware ⁴	210.0	207.4	201.6	242.5	240.9	232.6	27.08	27.04	26.99	40.4	40.4	40.4	66.8	66.7	66.3
Steam and hot-water heating apparatus and steam fittings.....	108.9	107.3	105.9	116.8	112.1	109.8	32.28	31.49	31.28	43.6	42.6	42.6	74.1	74.2	73.6
Stoves.....	108.4	103.4	99.2	108.7	102.8	94.1	28.28	28.03	26.79	40.1	40.2	39.1	70.8	69.9	68.8
Structural and ornamental metalwork.....	99.1	97.2	95.9	103.4	97.1	93.8	33.71	32.35	31.67	43.2	42.9	42.2	78.2	75.6	75.0
Tin cans and other tinware.....	109.0	107.1	104.1	127.4	122.3	117.2	26.11	25.63	25.31	41.3	40.4	39.4	64.3	63.8	64.7
Tools (not including edge tools, machine tools, files, and saws).....	133.0	130.1	126.2	165.7	160.5	153.3	31.67	31.36	30.86	46.3	46.4	46.1	68.1	67.7	67.1
Wirework.....	207.4	209.7	207.8	242.8	256.4	252.5	28.62	29.89	29.71	40.1	41.7	41.7	71.6	72.1	71.3

Machinery, not including transportation equipment	156.5	147.7	143.5	198.2	186.2	176.8	35.06	35.00	34.26	44.7	44.9	44.2	78.8	77.8	77.2
Agricultural implements (including tractors) ..	175.8	132.6	144.2	242.4	162.0	174.2	37.84	35.54	33.13	43.7	41.0	40.6	87.1	82.0	81.8
Cash registers, adding machines, and calculating machines.....	151.3	146.3	140.3	191.0	179.4	166.3	39.26	38.25	36.99	45.3	44.3	43.4	87.7	87.3	86.2
Electrical machinery, apparatus, and supplies.....	147.3	141.5	136.4	192.3	185.9	175.7	34.41	34.46	33.87	44.1	44.3	43.8	87.2	87.0	77.6
Engines, turbines, water wheels, and wind-mills.....	255.4	247.1	236.7	368.2	376.4	345.7	37.99	40.14	38.46	43.1	46.0	45.1	88.3	87.4	85.4
Foundry and machine-shop products.....	130.0	123.6	120.0	152.5	143.6	136.1	34.60	34.39	33.51	44.8	44.7	44.0	77.9	76.9	76.2
Machine tools.....	316.9	307.1	297.2	472.2	461.9	447.7	41.10	41.49	41.62	51.1	51.9	51.9	80.8	79.9	80.1
Radios and phonographs.....	158.5	149.1	144.8	163.9	157.2	146.4	25.31	25.79	24.80	39.4	40.2	38.9	64.4	64.3	64.0
Textile machinery and parts.....	98.9	96.2	92.9	112.1	110.3	105.2	31.32	31.77	31.36	45.0	45.9	45.6	69.7	69.3	69.0
Typewriters and parts.....	138.3	133.6	108.5	174.5	159.2	122.0	30.93	29.20	27.58	43.8	42.3	40.9	70.6	69.1	67.4
Transportation equipment	166.2	161.1	157.2	191.4	197.2	190.8	36.48	38.80	38.44	39.7	42.8	42.1	92.5	92.1	91.8
Aircraft.....	5,913.6	5,563.7	5,344.0	7,182.5	6,678.3	6,440.6	35.55	35.02	35.14	45.4	45.2	45.5	79.3	78.3	75.4
Automobiles.....	132.4	131.5	130.1	147.3	163.1	159.5	36.36	40.61	40.06	37.0	41.4	41.2	98.3	98.2	97.4
Cars, electric- and steam-railroad.....	73.7	70.9	68.9	73.9	65.6	66.9	31.93	29.42	30.88	39.7	37.7	39.5	80.4	78.0	75.1
Locomotives.....	59.7	55.8	53.1	71.6	64.0	60.7	36.75	35.17	34.95	45.7	43.3	43.1	80.4	81.2	81.1
Shipbuilding.....	294.4	272.4	256.6	392.5	365.0	338.1	39.11	39.30	38.71	42.7	44.0	42.8	90.6	89.0	90.0
Nonferrous metals and their products	138.8	136.9	134.7	157.0	155.1	151.2	31.49	31.57	31.00	42.0	42.1	41.8	74.9	74.8	74.0
Aluminum manufactures.....	231.0	224.1	225.2	290.4	258.4	285.2	31.40	28.74	31.73	41.7	38.1	42.0	75.4	75.5	75.5
Brass, bronze, and copper products.....	182.5	180.5	175.9	233.6	236.7	224.2	35.70	36.45	35.17	43.8	44.4	43.6	81.6	82.2	80.9
Clocks and watches and time-recording devices.....	114.3	111.4	109.1	133.8	128.9	124.8	25.86	25.58	25.27	41.2	41.8	41.2	62.7	61.2	61.4
Jewelry.....	104.4	104.2	102.2	93.7	94.0	89.5	24.07	24.14	23.41	40.3	40.9	39.8	59.4	58.9	58.5
Lighting equipment.....	113.3	111.9	111.3	105.8	105.4	104.8	28.60	28.83	28.78	39.8	40.5	40.4	71.8	71.1	71.2
Silverware and plated ware.....	81.6	79.8	78.4	82.0	82.4	77.0	29.04	29.81	28.35	43.2	44.3	42.7	67.8	68.0	67.0
Smelting and refining—copper, lead, and zinc.....	101.3	100.6	99.8	107.5	105.7	104.5	30.10	29.60	29.51	39.1	39.1	38.9	77.1	75.8	75.9
Lumber and allied products	73.8	72.6	72.0	75.7	72.8	70.6	22.18	21.68	21.24	40.2	39.7	39.4	54.7	54.1	53.4
Furniture.....	97.6	96.7	95.8	95.2	93.9	90.0	23.22	23.03	22.32	40.8	40.8	40.0	57.0	56.5	56.0
Lumber:															
Millwork.....	69.7	69.7	70.0	59.3	57.7	58.2	23.36	22.78	22.81	41.1	40.4	41.3	56.6	56.2	55.0
Sawmills.....	65.2	63.7	62.9	66.4	62.7	60.5	21.03	20.33	19.91	39.7	38.9	38.6	53.0	52.3	51.6
Stone, clay, and glass products	93.0	89.7	86.9	91.1	85.2	82.0	26.50	25.90	25.61	38.0	37.2	37.2	69.5	68.9	68.5
Brick, tile, and terra cotta.....	69.2	65.4	64.1	62.4	56.1	54.8	23.38	22.30	22.09	38.4	37.4	37.5	60.6	59.4	58.9
Cement.....	74.2	69.3	65.8	75.5	66.2	62.3	28.72	27.13	26.93	40.3	38.2	38.0	71.3	71.0	70.9
Glass.....	121.8	119.5	115.8	143.5	140.5	135.3	28.70	28.76	28.62	37.4	37.1	37.0	77.0	77.8	77.4
Marble, granite, slate, and other products.....	45.3	43.4	41.8	34.6	31.1	30.0	26.80	25.37	25.33	36.9	35.2	35.6	73.5	72.3	71.6
Pottery.....	113.1	111.2	107.8	110.9	104.4	99.7	24.88	23.95	23.38	37.6	37.3	37.0	66.6	64.4	63.6
<i>Nondurable goods</i>															
Textiles and their products	112.2	111.6	110.1	107.1	107.1	103.9	19.46	19.38	19.08	37.3	37.8	37.4	52.2	51.6	51.4
Fabrics.....	103.7	102.7	101.7	104.1	101.1	98.5	19.28	18.89	18.61	38.3	38.6	38.3	50.9	49.4	49.2
Carpets and rugs.....	86.9	85.5	83.9	81.2	83.1	79.2	25.86	26.86	26.10	37.4	39.0	38.4	69.2	68.9	68.1
Cotton goods.....	104.7	103.6	102.6	113.3	104.8	101.7	17.54	16.39	16.04	39.3	38.8	38.4	44.6	42.3	41.8

See footnotes at end of table.

TABLE 6.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries—Continued*

MANUFACTURING—Continued

[Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

Industry	Employment index			Pay-roll index			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941
<i>Nondurable goods—Continued</i>															
Textiles and their products—Continued.															
<i>Fabrics—Continued.</i>															
Cotton small wares.....	100.8	98.2	95.1	107.4	104.5	100.6	\$20.73	\$20.87	\$20.58	40.2	41.1	41.1	51.6	50.8	50.2
Dyeing and finishing textiles..	143.3	142.0	139.7	134.7	133.3	128.8	22.78	22.91	22.38	38.7	40.8	40.6	58.4	55.5	55.0
Hats, fur-felt.....	80.7	84.7	83.7	66.9	88.1	89.0	23.00	29.12	29.52	29.4	37.8	38.6	75.9	77.1	77.1
Hosiery.....	141.9	143.8	142.8	155.2	160.5	156.2	19.37	19.80	19.48	35.4	36.2	35.9	54.7	54.6	54.5
Knitted outerwear.....	71.4	68.2	68.4	63.9	60.8	59.9	18.53	18.34	18.14	37.3	37.4	36.6	49.2	49.1	48.9
Knitted underwear.....	82.6	80.4	78.3	84.0	81.7	76.6	17.03	17.00	16.41	37.8	38.3	37.3	44.8	44.2	44.2
Knitted cloth.....	141.5	145.6	141.9	132.7	133.0	128.5	20.89	20.36	20.16	40.1	39.6	39.5	51.8	51.1	50.5
Silk and rayon goods.....	68.5	67.2	66.5	60.1	57.5	55.9	18.04	17.55	17.22	37.6	37.8	37.3	47.8	46.2	46.0
Woolen and worsted goods.....	104.3	102.7	102.6	101.5	100.3	99.9	22.44	22.51	22.57	38.7	39.1	39.2	58.1	57.6	57.7
<i>Wearing apparel.</i>															
Clothing, men's.....	126.4	127.0	124.2	106.6	112.3	108.1	19.96	20.72	20.35	35.4	36.3	35.7	54.7	55.6	55.5
Clothing, women's.....	117.9	115.9	114.3	98.7	99.6	96.6	21.40	21.99	21.52	35.9	36.6	36.0	59.8	59.9	59.7
Corsets and allied garments.....	172.6	177.8	172.6	132.9	148.0	142.8	20.62	22.12	21.92	34.9	36.3	35.7	53.6	56.0	56.4
Men's furnishings.....	118.1	117.8	114.5	132.5	133.4	126.8	18.65	18.87	18.45	37.5	38.5	38.1	49.2	48.7	48.1
Millinery.....	122.3	122.6	118.7	123.9	129.1	123.6	15.13	15.66	15.54	34.9	36.1	36.0	42.6	42.4	42.3
Shirts and collars.....	87.8	91.0	88.7	75.5	84.6	76.1	26.37	28.50	26.08	32.6	34.9	34.1	69.7	70.0	67.7
	130.0	127.5	125.4	126.3	121.1	117.2	15.20	14.87	14.63	36.4	36.2	35.6	42.6	41.7	41.6
Leather and its manufactures.....															
Boots and shoes.....	98.0	98.7	96.9	92.3	96.1	91.5	21.87	22.61	21.89	38.0	39.7	39.1	57.9	57.2	56.4
Leather.....	95.8	97.0	95.0	89.1	94.2	88.9	20.84	21.77	20.92	37.7	39.7	38.9	55.5	54.9	54.0
	90.0	89.1	88.1	95.1	94.3	92.3	26.52	26.47	26.23	39.2	39.6	39.6	67.7	67.0	66.4
Food and kindred products.....															
Baking.....	123.9	120.3	119.1	125.5	122.5	119.6	25.57	25.73	25.25	39.6	40.0	39.5	65.5	65.5	65.1
Beverages.....	146.5	145.0	142.9	140.9	140.0	137.8	26.59	26.66	26.73	41.1	41.6	41.6	64.7	64.1	64.4
Butter.....	271.5	263.9	255.4	331.4	312.9	294.6	35.67	34.63	33.69	40.0	38.9	38.1	89.9	90.1	89.2
Canning and preserving.....	102.4	96.0	91.4	90.1	85.3	81.3	22.96	23.12	23.15	45.3	45.4	45.3	49.6	50.2	50.6
Confectionery.....	96.9	80.4	85.1	87.5	75.6	76.4	17.33	17.90	17.02	34.2	34.5	33.9	51.4	52.5	50.7
	86.4	89.3	86.1	85.8	93.5	89.2	19.17	20.30	20.04	37.1	39.2	38.8	52.5	52.4	52.3

Flour.....	77.4	76.8	76.6	76.4	72.6	73.0	26.65	25.45	25.66	42.4	41.0	41.3	62.2	61.4	61.6
Ice cream.....	78.7	70.8	68.2	69.5	62.5	59.9	30.50	30.21	30.00	45.8	45.2	44.6	64.1	65.2	65.4
Slaughtering and meat packing.....	111.3	110.7	110.6	116.1	114.2	113.5	27.21	26.81	26.70	39.1	39.2	39.0	69.6	68.5	68.5
Sugar, beet.....	43.5	43.2	53.4	48.1	46.0	57.1	28.78	27.56	27.69	37.9	34.6	38.1	78.8	81.9	76.1
Sugar refining, cane.....	102.6	95.7	88.6	92.5	92.3	73.0	25.53	27.32	23.33	39.1	41.5	35.5	65.2	65.8	65.6
Tobacco manufactures.....	63.5	63.3	63.7	59.1	62.7	61.7	17.08	17.99	17.54	33.2	36.1	35.4	50.6	49.7	49.5
Chewing and smoking tobacco and snuff.....	53.5	54.2	56.5	61.6	64.2	63.5	18.50	19.10	18.12	33.7	35.3	33.7	54.9	54.3	53.9
Cigars and cigarettes.....	64.7	64.4	64.6	58.7	62.4	61.3	16.80	17.78	17.42	33.2	36.1	35.6	50.2	49.2	49.0
Paper and printing.....	119.4	118.1	117.1	121.3	120.3	117.1	30.51	30.67	30.04	39.6	39.7	39.1	80.5	80.7	80.3
Boxes, paper.....	126.6	123.0	118.8	150.7	145.0	136.2	23.74	23.54	22.87	40.9	40.8	39.8	58.5	58.2	57.9
Paper and pulp.....	120.3	118.5	117.3	139.1	136.4	132.5	28.31	28.19	27.66	42.6	42.5	41.9	66.6	66.4	66.1
Printing and publishing:															
Book and job.....	102.8	102.1	102.8	93.7	94.9	93.2	31.54	32.08	31.28	39.4	39.8	39.2	81.4	81.7	81.0
Newspapers and periodicals.....	117.1	116.9	115.9	112.5	112.1	109.7	39.09	39.02	38.54	35.9	36.0	35.5	106.1	105.5	105.7
Chemicals, petroleum, and coal products.....	134.5	130.7	127.8	156.6	148.2	144.2	30.95	30.38	30.24	39.9	39.1	38.8	77.3	76.6	77.0
Petroleum refining.....	120.5	119.5	119.2	142.4	133.4	132.1	36.64	34.68	34.36	37.0	36.0	35.6	99.5	96.7	97.0
Other than petroleum refining.....	137.8	133.4	129.9	161.0	152.7	148.0	29.07	28.86	28.71	40.7	40.1	39.8	70.7	70.5	70.7
Chemicals.....	162.4	159.3	155.1	208.3	201.7	193.9	34.24	33.93	33.50	40.8	41.0	40.6	83.9	82.9	82.6
Cottonseed—oil, cake, and meal.....	88.4	99.4	112.0	83.3	93.6	104.9	15.17	15.15	15.02	42.9	42.5	43.4	34.4	34.6	34.0
Druggists' preparations.....	122.4	120.9	119.3	137.7	137.7	136.4	25.12	25.62	25.72	39.4	39.9	39.9	61.1	61.6	61.9
Explosives.....	(18)	(18)	(18)	(18)	(18)	(18)	35.66	35.14	35.96	41.0	40.5	41.0	87.1	86.8	87.6
Fertilizers.....	178.7	140.9	113.2	176.9	116.9	92.8	17.48	14.88	14.69	41.9	36.5	34.9	41.7	40.8	42.1
Paints and varnishes.....	137.4	132.9	128.6	157.9	147.4	141.7	31.57	30.46	30.22	41.9	40.8	40.6	75.5	74.9	74.6
Rayon and allied products.....	317.9	312.2	311.0	342.3	332.9	327.6	27.54	27.28	26.94	39.0	38.9	38.4	70.6	70.0	70.2
Soap.....	91.6	90.7	89.8	115.6	114.8	112.6	29.76	29.84	29.54	40.4	40.5	40.3	73.7	73.6	73.4
Rubber products.....	105.1	102.8	100.7	122.5	119.5	115.3	31.77	31.67	31.20	39.4	39.7	39.3	80.4	79.9	79.2
Rubber boots and shoes.....	72.4	68.9	68.0	83.6	80.4	78.9	26.54	26.83	26.66	41.2	41.7	41.3	64.8	64.3	64.5
Rubber tires and inner tubes.....	82.7	80.0	78.6	106.7	102.7	99.7	37.73	37.55	37.02	37.9	37.9	37.8	99.3	99.4	98.1
Rubber goods other.....	180.3	179.2	174.9	194.8	194.6	185.2	26.12	26.31	25.72	40.4	41.0	40.3	65.4	64.7	64.3

NONMANUFACTURING

[Indexes are based on 12-month average, 1929=100]

Coal mining:															
Anthracite \$ 10.....	48.7	50.2	50.6	24.3	42.4	45.2	16.43	27.79	29.35	18.5	29.9	31.4	92.3	92.7	92.6
Bituminous.....	21.1	91.1	90.6	15.5	93.8	90.8	19.50	27.64	26.90	24.2	31.6	30.9	84.9	88.3	88.4
Metalliferous mining¹¹.....	76.6	74.3	73.4	76.9	72.7	71.8	31.66	30.85	30.83	41.0	41.0	41.0	77.6	75.4	75.6
Quarrying and nonmetallic mining.....	48.1	44.2	42.4	47.0	40.3	38.2	24.46	22.85	22.64	40.9	38.9	38.9	59.8	58.9	58.2
Crude-petroleum production*.....	60.7	60.2	60.4	57.1	56.1	57.3	34.59	34.25	34.91	37.7	37.3	37.4	88.8	89.3	90.4

See footnotes at end of table.

TABLE 6.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries—Continued*

NONMANUFACTURING—Continued

[Indexes are based on 3-year average, 1923–25=100. For “all manufacturing,” “durable goods,” “nondurable goods,” and “aluminum manufactures,” they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request.]

Industry	Employment index			Pay-roll index			Average weekly earnings ¹			Average hours worked per week			Average hourly earnings		
	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941
Public utilities:													<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Telephone and telegraph ^{12 13}	83.0	81.8	80.9	108.1	106.4	104.3	\$31.97	\$31.93	\$31.64	40.4	39.8	39.5	79.5	80.6	80.5
Electric light and power ^{12 13}	91.9	90.3	90.1	107.8	106.1	105.4	35.75	35.82	35.57	39.7	39.3	39.2	90.3	91.4	90.8
Street railways and busses ^{12 13 14}	68.2	68.2	68.0	71.8	72.5	71.0	34.27	34.59	34.00	46.3	46.6	45.8	73.0	73.2	73.4
Trade:															
Wholesale ^{12 15}	92.3	91.8	91.4	83.0	82.0	81.4	31.37	31.17	30.96	40.9	40.6	40.5	77.2	77.2	76.6
Retail ^{12 15}	97.7	92.5	90.7	91.3	86.2	84.6	21.55	21.59	21.73	42.5	42.7	42.7	55.1	54.8	54.9
Food ¹³	107.3	106.1	105.6	100.6	99.1	98.3	23.90	23.83	23.76	43.0	43.1	43.0	53.3	52.9	52.7
General merchandising ^{12 16}	109.4	96.6	92.9	98.5	88.3	86.6	18.09	18.18	18.52	38.7	38.5	38.9	45.9	46.6	46.7
Apparel ¹²	99.1	83.0	77.9	91.8	76.5	73.6	21.64	21.50	21.83	38.0	38.0	38.5	56.4	55.7	56.0
Furniture ¹²	76.8	74.2	75.0	72.1	66.3	66.3	29.58	28.36	28.12	44.6	44.1	43.9	69.5	67.0	67.9
Automotive ¹²	90.4	87.9	86.7	95.2	87.9	84.3	31.63	29.96	29.31	47.3	47.1	46.7	66.9	64.3	62.9
Lumber ¹²	75.0	72.5	71.6	72.6	69.2	68.1	27.17	26.72	26.59	42.5	42.0	42.0	65.3	64.8	64.5
Hotels (year-round) ^{9 12 16}	95.1	94.2	93.9	86.7	85.7	86.1	15.70	15.67	15.81	45.7	46.0	45.7	33.9	33.7	34.1
Laundries ⁹	105.5	102.5	101.1	95.5	90.9	89.7	18.75	18.37	18.41	43.4	43.3	43.2	43.2	42.6	42.7
Dyeing and cleaning ⁹	117.4	104.4	101.4	98.1	77.2	74.4	23.00	20.34	20.13	45.5	42.4	42.1	51.6	49.4	49.0
Brokerage ^{12 17}	— .9	— 1.6	— 1.6	— 7.7	— 1.4	— 2.7	38.46	37.85	37.82	(18)	(18)	(18)	(18)	(18)	(18)
Insurance ^{12 17}	— 1.3	— 2.2	— 2.2	— 4.4	— 1.6	— 3.3	36.98	37.24	37.26	(18)	(18)	(18)	(18)	(18)	(18)
Building construction ¹⁷	+11.1	+2.2	— 2.0	+15.5	+5.5	— 4.4	33.96	32.61	32.67	34.4	32.8	32.8	98.9	100.0	99.7

¹ Mimeographed sheets giving averages by years, 1932 to 1939, inclusive, and by months, January 1938 to August 1940, inclusive, available on request. Average hours and average hourly earnings are computed from data supplied by a smaller number of establishments than average weekly earnings, as not all reporting firms furnish man-hours. The figures are not strictly comparable from month to month because of changes in the size and composition of the reporting sample.

² See tables 9, 10, and 11 in the December 1940 issue of *EMPLOYMENT AND PAY ROLLS* for comparable series back to January 1919 for all manufacturing and back to January 1923 for the durable- and nondurable-goods groups.

³ Not comparable with previously published figures. See table 7 for revised figures from January 1940 to March 1941.

⁴ Revisions in the following industries have been made as indicated:

Stamped ware.—January 1941 average weekly earnings, average weekly hours, average hourly earnings to \$26.32, 39.4 hours, 66.5 cents; January employment and pay-roll indexes to 190.6 and 214.4.

Automobiles.—August, October, November, December 1940 and January 1941 average weekly earnings to \$37.06, \$39.25, \$38.05, \$36.49, \$37.66; August, November and December average weekly hours to 38.8, 39.8, 38.2; August, October, November, December, and January average hourly earnings to 95.6, 95.1, 95.7, 95.4, 96.9; August, September, November, December, and January employment indexes to 85.5, 112.2, 129.8, 130.2, 128.5; September, October, December, and January pay-roll indexes to 125.1, 149.2, 145.0, 147.7.

Jewelry.—January average weekly earnings, average weekly hours, average hourly earnings to \$22.78, 38.4, 58.6.

Men's clothing.—January average weekly earnings, average weekly hours, average hourly earnings to \$20.40, 33.4, 60.7, January employment and pay-roll indexes to 109.2, 87.2.

Men's furnishings.—October average hourly earnings to 42.3 cents.

Printing—Book and job.—January average weekly earnings, average hourly earnings to \$31.64, 81.0 cents.

Printing—Newspapers.—January average weekly earnings, average weekly hours, average hourly earnings to \$38.15, 35.4, 105.2; January employment index to 115.2.

⁵ Adjusted on basis of a complete employment survey of the aircraft industry made by the Bureau of Labor Statistics for August 1940. Not comparable with previously published indexes from January 1939 to August 1940, inclusive. Comparable figures for this period given in table 9 of the September 1940 issue of *EMPLOYMENT AND PAY ROLLS*.

⁶ The indexes for "Automobiles" have been adjusted to 1933 census figures, but not to later census figures because of problems involving integrated industries.

⁷ Because of expansion in the reporting sample, hours and earnings are not comparable with those previously published as indicated:

Shipbuilding.—Average weekly earnings, average weekly hours, average hourly earnings (comparable October, November, December, and January figures \$36.57, \$34.46, \$38.37, \$37.69; 41.6, 38.5, 42.6, 42.0 hours; 87.1, 88.4, 89.5, 89.3 cents). November and January employment indexes revised to 204.1 and 240.3; November and December pay-roll indexes to 237.8, 287.7.

⁸ See table 8 in March 1941 *EMPLOYMENT AND PAY ROLLS* pamphlet for revised figures from January 1935 to February 1941.

⁹ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of this pamphlet.

¹⁰ See table 7 of October 1940 *EMPLOYMENT AND PAY ROLLS* for revised employment and pay-roll indexes, average hours worked per week, average hourly earnings, and average weekly earnings in anthracite mining, February 1940 to September 1940, inclusive.

¹¹ See table 7 of February 1941 *Employment and Pay Rolls* for revised figures for metalliferous mining from January 1938 to January 1941, inclusive.

¹² Average weekly earnings, hourly earnings, and hours not comparable with figures published in *Employment and Pay Rolls* prior to January 1938 as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

¹³ Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable to indexes published in *Employment and Pay Rolls* pamphlets prior to January 1940 or in *MONTHLY LABOR REVIEW* prior to April 1940, with but one exception, retail furniture, which has been revised since publication of July 1940 pamphlet back to January 1936. Comparable series for earlier months available upon request.

¹⁴ Covers street-railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "electric-railroad and motorbus operation and maintenance."

¹⁵ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of *EMPLOYMENT AND PAY ROLLS*.

¹⁶ Cash payments only; additional value of board, room, and tips not included.

¹⁷ Indexes of employment and pay rolls are not available; percentage changes from preceding month substituted.

¹⁸ Not available.

¹⁹ January figures revised as follows: Employment index to 60.3, pay-roll index to 55.7, average weekly earnings to \$33.99, average weekly hours to 37.7, average hourly earnings to 88.5 cents.

TABLE 7.—*Revised Employment, Pay Rolls, Hours, and Earnings in the Plumbers' Supplies Industry, January 1940 to March 1941, Inclusive*

Year and month	Employment index	Pay-roll index	Average weekly earnings	Average hours worked per week	Average hourly earnings
<i>1940</i>					<i>Cents</i>
January.....	182.2	72.5	\$25.63	38.1	67.3
February.....	181.9	72.5	25.78	37.8	68.2
March.....	181.8	72.6	25.82	37.7	68.4
April.....	181.8	74.1	26.42	38.3	69.2
May.....	181.8	74.5	26.59	38.4	69.2
June.....	182.9	74.9	26.35	38.2	69.1
July.....	84.4	76.1	26.28	37.9	69.4
August.....	86.8	81.7	27.42	39.6	69.3
September.....	88.6	82.8	26.93	39.1	68.9
October.....	91.1	87.3	27.66	40.1	69.0
November.....	94.3	90.4	27.66	39.7	69.7
December.....	96.6	95.1	28.42	40.5	70.2
<i>1941</i>					
January.....	97.7	91.8	27.13	39.0	69.6
February.....	99.1	96.7	28.15	39.6	71.1
March.....	100.5	100.5	28.97	40.4	71.5

¹ Not revised—same as previously published.

² Not comparable with figures for earlier months because of expansion of reporting sample (comparable August weekly earnings and hourly earnings \$27.13 and 68.6 cents).

TABLE 8.—*Indexes of Employment and Pay Rolls in 55 "Additional" Manufacturing Industries*

[12-month average 1939=100]

Industry	Employment			Pay rolls		
	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941
Iron and steel group:						
Metal doors and shutters.....	126.9	125.7	121.5	135.9	136.7	131.5
Firearms.....	(1)	(1)	(1)	(1)	(1)	(1)
Screw-machine products.....	178.3	173.3	167.6	224.4	222.7	214.4
Wire not made in rolling mills.....	136.7	133.3	130.9	158.4	154.8	147.8
Wrought pipe not made in rolling mills.....	155.7	144.9	141.8	175.7	167.9	161.0
Steel barrels, kegs, and drums.....	117.4	108.1	111.7	147.5	126.7	127.7
Machinery group:						
Machine-tool accessories.....	200.5	190.5	180.2	251.7	235.0	219.4
Pumps.....	165.5	158.0	147.5	218.6	203.9	186.0
Refrigerators and refrigerating apparatus.....	154.9	150.9	141.1	184.6	177.5	160.6
Sewing machines.....	122.3	117.8	113.7	165.4	149.0	138.5
Washing machines, wringers, and driers.....	130.8	125.4	118.0	162.6	145.2	136.6
Transportation equipment group:						
Motorcycles, bicycles, and parts.....	147.3	133.5	123.9	168.3	144.6	130.9
Nonferrous metals group:						
Sheet-metal work.....	142.2	140.1	137.6	161.2	155.3	151.5
Smelting and refining of scrap metal.....	140.5	135.4	132.0	167.9	162.5	146.8
Lumber group:						
Caskets and morticians' goods.....	100.9	101.8	101.9	107.8	109.7	111.4
Wood preserving.....	121.0	117.2	113.3	142.7	137.6	128.2
Wood turned and shaped.....	117.2	116.3	114.0	130.9	130.7	127.1
Wooden boxes, other than cigar.....	118.3	115.9	115.7	137.7	129.7	124.1
Mattresses and bedsprings.....	116.2	114.5	110.9	127.7	125.7	119.1
Stone, clay, and glass products group:						
Abrasive wheels.....	172.4	164.3	156.5	203.6	182.7	171.7
Asbestos products.....	121.3	115.8	109.8	139.0	138.2	129.6
Lime.....	120.5	111.9	109.1	141.0	120.8	117.0
Gypsum.....	111.9	109.2	108.0	126.3	112.8	114.3
Glass products made from purchased glass.....	132.6	130.2	133.8	142.7	142.4	135.7
Wallboard and plaster, except gypsum.....	122.8	122.2	120.9	137.1	136.5	131.6
Textiles:						
Textile bags.....	111.3	104.8	102.8	120.3	115.8	111.0
Cordage and twine.....	124.6	120.4	117.9	148.1	138.3	130.3
House furnishings:						
Curtains, draperies, and bedspreads.....	101.7	104.5	102.7	123.5	125.1	118.9
Other.....	136.0	129.6	123.3	141.3	143.4	136.1
Jute goods, except felt.....	121.5	113.5	106.4	150.7	136.5	121.4
Handkerchiefs.....	101.1	100.3	97.4	112.8	117.1	108.4

¹ Not available.

TABLE 8.—*Indexes of Employment and Pay Rolls in 55 "Additional" Manufacturing Industries—Continued*

{12-month average 1939=100}

Industry	Employment			Pay rolls		
	April 1941	March 1941	February 1941	April 1941	March 1941	February 1941
Leather group:						
Boot and shoe cut stock and findings..	103.3	104.8	103.5	111.9	117.5	114.0
Leather gloves and mittens..	135.7	130.1	125.3	169.4	156.6	146.4
Trunks and suitcases..	136.4	131.7	137.1	131.6	131.1	136.0
Food group:						
Cereal preparations..	102.2	100.2	95.1	114.3	107.6	99.5
Condensed and evaporated milk..	109.6	102.6	99.9	117.7	107.9	104.5
Feeds, prepared..	105.4	101.3	100.9	113.5	104.6	102.8
Paper and printing group:						
Paper bags..	115.0	105.5	103.5	129.9	117.6	114.3
Envelopes..	112.0	111.0	107.5	118.5	116.7	113.0
Paper goods, not elsewhere classified..	117.7	115.5	112.9	124.7	123.8	118.2
Bookbinding..	105.9	105.7	104.3	121.5	121.8	117.5
Lithographing..	98.7	96.6	96.4	170.4	106.1	98.4
Chemical, petroleum, and coal products group:						
Ammunition..	(1)	(1)	(1)	(1)	(1)	(1)
Compressed and liquefied gases..	135.7	133.1	128.0	160.9	162.9	143.9
Perfumes and cosmetics..	92.7	90.3	90.2	94.3	91.0	89.0
Coke-oven products..	115.8	118.5	119.0	125.6	123.2	122.1
Paving materials..	97.2	86.4	83.8	102.2	93.7	87.8
Roofing materials..	121.5	115.9	105.9	136.0	126.1	112.1
Miscellaneous group:						
Chemical fire extinguishers..	224.4	218.4	210.6	271.0	279.9	263.7
Buttons..	111.9	111.5	111.2	129.6	127.8	125.5
Instruments—professional, scientific, and commercial..	169.2	161.0	152.7	203.7	192.9	180.5
Optical goods..	155.9	149.8	143.9	174.8	165.2	154.8
Photographic apparatus..	113.6	110.6	109.0	128.9	120.8	115.8
Pianos, organs, and parts..	123.1	121.5	122.0	129.3	127.0	125.7
Toys, games, and playground equipment..	106.6	111.4	102.6	108.5	117.0	104.2

¹ Not available.TABLE 9.—*Indexes of Employment and Pay Rolls in Selected Manufacturing ¹ and Non-manufacturing ² Industries, April 1940 to April 1941*

Industry	1940										1941			
	Av.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Manufacturing														
Employment														
All industries.....	107.5	103.2	102.5	103.1	103.2	107.4	111.4	113.8	114.7	116.2	115.5	117.8	119.9	122.7
Durable goods ³	104.3	98.7	99.2	99.8	98.4	102.4	108.2	112.8	115.5	117.7	118.3	121.0	123.7	127.7
Nondurable goods ⁴	110.6	107.5	105.6	106.2	107.8	112.2	114.4	114.8	113.8	114.8	112.7	114.7	116.3	117.8
Nonmanufacturing														
Anthracite mining ⁵	50.7	51.2	51.8	49.7	50.5	49.9	49.8	49.4	50.4	50.8	50.3	50.6	50.2	48.7
Bituminous-coal mining ⁵	88.0	86.2	85.1	83.8	84.9	86.6	87.7	89.2	89.8	90.1	90.2	90.6	91.1	21.1
Metallic mining ⁶	69.9	67.7	69.2	70.3	71.0	71.5	72.5	72.6	72.5	72.2	72.5	73.4	74.3	76.6
Quarrying and nonmetallic mining.....	45.3	44.5	46.9	47.9	48.1	48.5	48.9	48.8	47.2	45.4	41.7	42.4	44.2	48.1
Crude-petroleum production.....	62.9	63.1	63.3	63.8	63.7	63.6	63.0	62.4	61.3	60.7	60.3	60.4	60.2	60.7
Telephone and telegraph ⁷	77.9	76.7	77.3	77.8	78.8	79.0	78.9	79.1	79.2	79.7	80.4	80.9	81.8	83.0
Electric light and power ⁷	91.1	90.0	90.6	91.2	92.2	93.0	92.7	92.3	91.8	91.3	90.5	90.1	90.3	91.9
Street railways and busses ⁸	68.5	68.3	68.4	68.5	68.4	68.4	68.5	68.7	68.7	68.4	68.3	68.0	68.2	68.2
Wholesale trade ⁹	90.4	89.3	88.9	89.6	89.2	90.1	90.9	91.0	91.8	92.5	91.2	91.4	91.8	92.3
Retail trade.....	92.3	89.8	91.2	91.9	89.1	88.7	92.8	94.3	96.3	108.1	90.5	90.7	92.5	97.7
Year-round hotels ⁵	92.0	92.7	93.4	92.0	90.3	90.3	91.6	93.4	92.3	92.6	92.9	93.9	94.2	95.1
Laundries ⁵	99.5	97.2	99.1	102.1	102.5	102.8	101.9	100.2	99.7	100.3	101.4	101.1	102.5	105.5
Dyeing and cleaning ⁵	104.7	104.5	108.7	112.6	108.2	106.7	110.0	109.4	106.0	103.3	101.0	101.4	104.4	117.4

See footnotes at end of table.

TABLE 9.—*Indexes of Employment and Pay Rolls in Selected Manufacturing and Non-manufacturing Industries, April 1940 to April 1941—Continued*

Industry	1940										1941			
	Av.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Pay Rolls														
<i>Manufacturing</i>														
All industries.....	105.4	97.9	97.8	99.5	98.2	105.5	111.6	116.2	116.4	122.4	120.7	126.8	131.2	134.8
Durable goods ¹	107.8	98.4	98.7	101.4	97.4	106.5	115.1	123.4	125.1	131.7	132.0	139.2	144.6	150.0
Nondurable goods ¹	102.7	97.3	96.8	97.4	99.1	104.4	107.7	108.1	106.6	112.1	108.1	112.9	116.3	117.8
<i>Nonmanufacturing</i>														
Anthracite mining ²	38.5	36.3	40.0	40.6	36.5	33.1	39.3	32.3	37.6	42.7	38.5	45.2	42.4	24.3
Bituminous-coal mining ²	81.2	72.2	75.3	73.9	75.2	82.5	83.2	83.6	84.5	91.4	87.8	90.8	93.8	15.5
Metalliferous mining ²	66.7	63.4	65.7	65.3	63.6	68.5	69.5	71.3	69.8	72.8	70.4	71.8	72.7	76.9
Quarrying and nonmetallic mining.....	40.5	38.1	42.7	43.9	43.5	45.2	46.2	46.7	42.3	42.4	36.9	38.2	40.3	47.0
Crude-petroleum production.....	58.2	59.0	58.7	58.8	59.1	59.0	58.2	57.6	56.8	55.9	55.7	57.3	56.1	57.1
Telephone and telegraph ³	100.2	98.7	98.8	100.0	101.3	100.4	101.8	102.2	103.2	103.5	103.9	104.3	106.4	108.1
Electric light and power ³	104.8	103.3	104.2	104.8	105.8	108.1	105.8	107.0	106.9	106.0	105.1	105.4	106.1	107.8
Street railways and busses ⁴	70.4	69.2	69.2	70.5	70.0	70.4	71.5	70.7	70.3	73.1	70.7	71.0	72.5	71.8
Wholesale trade.....	79.0	77.4	77.4	78.4	78.3	78.7	81.1	80.2	80.7	83.4	80.5	81.4	82.0	83.0
Retail trade ⁵	84.2	82.3	83.4	84.8	82.6	81.5	85.1	85.8	87.1	97.3	83.7	84.6	86.2	91.3
Year-round hotels ⁶	82.4	83.2	83.0	82.0	80.5	80.7	81.8	84.2	83.6	84.1	84.1	86.1	85.7	86.7
Laundries ⁷	87.7	85.6	88.5	92.4	90.0	90.5	89.9	88.0	87.2	89.2	89.8	89.7	90.9	95.5
Dyeing and cleaning ⁸	78.2	79.6	85.4	89.6	80.0	78.9	85.6	82.4	77.8	75.8	73.3	74.4	77.2	98.1

¹ 3-year average 1923-25=100—adjusted to preliminary 1939 Census of Manufactures. See tables 9, 10, and 11 of December 1940 EMPLOYMENT AND PAY ROLLS for comparable figures back to January 1919 for "all manufacturing" and January 1923 for "durable goods" and "nondurable goods."

² 12-month average for 1929=100. Comparable indexes for wholesale trade, quarrying, metal mining, and crude-petroleum production are in November 1934 and subsequent issues of EMPLOYMENT AND PAY ROLLS, or in February 1935 and subsequent issues of MONTHLY LABOR REVIEW. For other nonmanufacturing indexes see notes 5, 6, and 7.

³ Includes: Iron and steel, machinery, transportation equipment, nonferrous metals, lumber and allied products, and stone, clay, and glass products.

⁴ Includes: Textiles and their products, leather and its manufactures, food and kindred products, tobacco manufactures, paper and printing, chemicals and allied products, products of petroleum and coal, rubber products, and a number of miscellaneous industries not included in other groups.

⁵ Indexes have been adjusted to the 1935 census. Comparable series from January 1929 forward are presented in January 1938 and subsequent issues of this pamphlet. See also table 7 of October 1940 pamphlet for revised figures for anthracite mining February 1940 to September 1940.

⁶ See table 7 of February 1941 pamphlet for revised indexes January 1938 to January 1941.

⁷ Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable with indexes published in EMPLOYMENT AND PAY ROLLS pamphlets prior to January 1940 or in MONTHLY LABOR REVIEW prior to April 1940. Comparable series January 1929 to December 1939 available in mimeographed form.

⁸ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

INDUSTRIAL AND BUSINESS EMPLOYMENT IN PRINCIPAL METROPOLITAN AREAS

A comparison of employment and pay rolls in March and April 1941 is made in table 10 for 13 metropolitan areas, each of which had a population of 500,000 or over in 1930. Cities within these areas but having a population of 100,000 or over are not included. Footnotes to the table specify which cities are excluded. Data concerning them have been prepared in a supplementary tabulation which is available on request. The figures represent reports from cooperating establish-

ments and cover both full- and part-time workers in the manufacturing and nonmanufacturing industries presented in table 6, with the exception of building construction, and include also miscellaneous industries.

Revisions made in the figures after they have gone to press, chiefly because of late reports by cooperating firms, are incorporated in the supplementary tabulation mentioned above. This supplementary tabulation covers these 13 metropolitan areas as well as other metropolitan areas and cities having a population of 100,000 or more according to the 1930 Census of Population.

TABLE 10.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1941, by Principal Metropolitan Areas

Metropolitan area	Number of establishments April 1941	Number on pay roll April 1941	Percentage change from March 1941	Amount of pay roll (1 week) April 1941	Percentage change from March 1941
New York ¹	13, 629	799, 701	+2. 4	\$24, 080, 646	+1. 7
Chicago ²	4, 351	527, 427	+3. 5	16, 129, 795	+5. 7
Philadelphia ³	2, 477	274, 688	+2. 2	8, 054, 292	— 1
Detroit	1, 540	403, 719	+1. 0	14, 172, 976	—8. 5
Los Angeles ⁴	2, 849	237, 247	+4. 2	7, 647, 468	+7. 1
Cleveland	1, 576	163, 039	+3. 7	5, 357, 658	+3. 0
St. Louis	1, 400	154, 847	+1. 3	4, 135, 248	+1. 8
Baltimore	1, 117	143, 953	+4. 2	4, 232, 126	+5. 8
Boston ⁵	2, 964	219, 482	+2. 2	6, 188, 549	+2. 6
Pittsburgh	1, 313	231, 246	—2. 2	7, 996, 519	+2. 8
San Francisco ⁶ ..	1, 733	103, 424	—(7)	3, 350, 211	— 9
Buffalo	798	112, 571	+3. 5	3, 600, 787	+3. 8
Milwaukee	992	130, 341	+8. 9	4, 142, 142	+8. 6

¹ Does not include Elizabeth, Jersey City, Newark, or Paterson, N. J., or Yonkers, N. Y.

² Does not include Gary, Ind.

³ Does not include Camden, N. J.

⁴ Does not include Long Beach, Calif.

⁵ Does not include Cambridge, Lynn, or Somerville, Mass.

⁶ Does not include Oakland, Calif.

⁷ Less than $\frac{1}{10}$ of 1 percent.

WAGE-RATE CHANGES IN AMERICAN INDUSTRIES

The following table gives information concerning wage-rate adjustments occurring during the month ending April 15, 1941, as shown by reports received from manufacturing and nonmanufacturing establishments which supply employment data to this Bureau.

As the Bureau's survey does not cover all establishments in an industry, and furthermore, as some firms may have failed to report wage-rate changes, these figures should not be construed as representing the total number of wage changes occurring in manufacturing and nonmanufacturing industries.

TABLE 11.—*Wage-Rate Changes Reported by Manufacturing and Nonmanufacturing Establishments During Month Ending Apr. 15, 1941*^{1 2}

Group and industry	Establishments		Employees		Average per-centage change in wage rates of em-ployees having increases
	Total number reporting	Number reporting increases	Total number covered	Number having increases	
All manufacturing.....	33, 850	1, 222	6, 954, 741	813, 621	9. 6
Iron and steel group.....	2, 595	306	1, 013, 980	478, 333	11. 1
Blast furnaces.....	353	177	544, 078	434, 216	11. 3
Bolts, nuts, and washers..	66	4	17, 302	1, 552	8. 5
Cast-iron pipe.....	69	11	18, 710	3, 057	9. 9
Forgings.....	93	5	17, 065	1, 280	10. 4
Hardware.....	165	6	53, 976	2, 975	9. 4
Plumbers' supplies.....	109	4	27, 968	320	8. 3
Stamped and enameled ware..	241	13	49, 563	6, 522	9. 7
Steam and hot-water fittings..	111	8	39, 194	3, 307	6. 1
Stoves.....	244	8	40, 553	1, 623	6. 4
Structural and ornamental metalwork..	310	25	34, 410	7, 243	11. 4
Tin cans.....	136	5	28, 809	1, 319	4. 6
Tools (not including edge tools, machine tools, files, and saws).....	132	4	19, 418	572	5. 8
Wirework.....	168	8	29, 185	1, 300	6. 1
Screw-machine products.....	79	8	13, 912	1, 954	9. 8
Wire (not made in rolling mills).....	45	6	17, 048	3, 138	10. 8
Wrought pipe.....	26	5	8, 132	1, 428	11. 4
Machinery group.....	3, 815	155	1, 088, 857	44, 308	6. 7
Agriculture implements (including tractors) ..	107	3	57, 006	495	3. 5
Electrical machinery.....	591	21	305, 355	19, 229	5. 5
Engines, turbines, water wheels, and wind-mills.....	69	4	74, 949	2, 012	10. 8
Foundry and machine-shop products..	2, 243	108	334, 748	14, 808	8. 0
Machine tools.....	201	4	88, 200	3, 187	5. 6
Radios and phonographs.....	72	3	46, 232	3, 738	5. 9
Textile machinery and parts.....	128	5	22, 761	203	9. 6
Pumps.....	106	4	22, 861	167	8. 0
Transportation group.....	777	24	849, 483	39, 780	5. 6
Aircraft.....	88	5	151, 862	22, 009	5. 0
Automobiles.....	411	5	485, 097	3, 313	5. 5
Cars, electric- and steam-railroad..	73	4	38, 077	3, 110	6. 9
Shipbuilding.....	161	8	152, 735	11, 257	6. 1
Nonferrous group.....	1, 093	44	239, 739	11, 876	8. 6
Brass, bronze, and copper products..	342	20	91, 458	1, 688	5. 8
Lighting equipment.....	93	3	14, 883	616	5. 8
Smelting and refining—copper, lead, and zinc..	53	6	29, 705	2, 715	7. 5
Sheet metal work.....	131	4	7, 310	144	6. 2
Smelting and refining (scrap metal).....	27	3	3, 686	465	3. 3
Lumber group.....	2, 729	67	359, 188	10, 307	10. 5
Furniture.....	721	11	107, 578	3, 706	16. 2
Millwork.....	593	12	40, 240	887	5. 7
Sawmills.....	780	20	138, 586	3, 313	7. 4
Wood—turned and shaped.....	86	3	6, 411	119	7. 0
Wooden boxes (other than cigar).....	140	15	14, 506	970	8. 8
Fabricated plastic and wood pulp products..	72	3	18, 631	989	7. 7
Stone, clay, and glass.....	1, 601	81	219, 639	21, 515	10. 4
Brick, tile, and terra cotta..	545	32	44, 888	5, 476	13. 1
Cement.....	135	7	22, 027	953	8. 3
Marble, granite, slate, and other products..	247	10	6, 076	170	8. 9
Pottery.....	137	19	34, 766	10, 519	9. 6
Lime.....	89	3	6, 946	321	9. 9
Textiles and their products.....	6, 649	231	1, 396, 067	131, 990	8. 0
Fabrics.....	3, 535	210	1, 039, 241	126, 049	8. 2
Cotton goods.....	848	86	435, 372	70, 482	8. 3
Cotton small wares.....	133	9	14, 706	1, 144	6. 2
Dyeing and finishing textiles.....	229	16	63, 161	7, 108	8. 2
Knit underwear.....	142	3	41, 245	7, 705	6. 4
Silk and rayon goods.....	417	33	80, 061	18, 769	9. 9

See footnotes at end of table.

TABLE 11.—*Wage-Rate Changes Reported by Manufacturing and Nonmanufacturing Establishments During Month Ending Apr. 15, 1941—Continued*

Group and industry	Establishments		Employees		Average per-centage change in wage rates of em-ployees having increases
	Total number reporting	Number reporting increases	Total number covered	Number having increases	
Textiles and their products—Continued.					
Fabrics—Continued.					
Woolen and worsted goods.....	415	37	160,340	20,284	7.4
Cordage and twine.....	57	4	12,132	653	5.5
Wearing apparel.....	3,114	21	356,826	5,871	4.7
Men's clothing.....	1,165	12	149,351	1,058	7.3
Shirts and collars.....	277	6	58,718	4,337	4.3
Leather group.....	1,087	22	249,247	6,055	5.2
Boots and shoes.....	518	3	177,221	1,824	1.8
Leather.....	183	7	39,631	2,650	5.1
Boot and shoe cut-stock and findings.....	128	3	10,488	126	5.7
Leather gloves and mittens.....	53	8	7,766	1,436	9.8
Food group.....	5,365	95	435,501	11,426	7.3
Baking.....	1,069	14	83,135	941	6.9
Beverages.....	636	12	40,294	1,675	5.6
Butter.....	326	7	5,925	319	5.8
Canning.....	1,025	21	59,327	3,444	8.7
Flour.....	350	4	14,940	85	4.9
Ice cream.....	281	7	9,469	291	4.2
Cereal preparations.....	23	3	7,043	1,269	7.4
Condensed and evaporated milk.....	106	5	6,204	216	14.0
Feeds, prepared.....	96	5	3,754	320	8.3
Tobacco group.....	224	3	66,629	2,536	10.3
Paper and printing.....	4,084	62	396,572	10,698	6.1
Paper boxes.....	680	8	47,523	424	6.0
Paper and pulp.....	453	25	140,568	7,202	6.3
Printing:					
Book and job.....	1,630	14	85,079	419	4.8
Newspapers and periodicals.....	734	5	63,277	1,498	5.2
Envelopes.....	64	3	7,054	216	5.5
Chemicals, petroleum, and coal products.....	2,354	98	360,857	33,938	6.2
Chemicals.....	240	20	71,218	5,989	6.6
Fertilizers.....	324	5	23,853	588	6.2
Paints and varnishes.....	521	19	24,796	1,766	5.9
Petroleum refining.....	182	24	70,663	15,866	5.0
Liquors, distilled.....	99	5	12,555	2,328	7.0
Coke-oven products.....	21	7	7,114	1,378	12.9
Rubber group.....	257	9	128,127	6,325	7.8
Rubber goods, other..	206	7	50,955	4,438	8.1
Miscellaneous.....	1,240	25	170,855	4,604	6.8
Roofing materials.....	24	4	3,464	531	6.8
Mattresses and bedsprings.....	193	4	11,120	129	5.6
All nonmanufacturing (except building construction).....	*95,949	286	*2,984,279	23,549	8.1
Metalliferous mining.....	*387	38	*71,202	12,178	9.3
Quarrying and nonmetallic mining.....	*1,090	18	*35,263	383	9.1
Crude petroleum.....	*494	12	*39,438	2,918	5.5
Electric light and power..	*2,871	19	*245,134	197	9.6
Manufactured gas.....	*169	3	*34,202	430	7.0
Street railways and busses.....	*352	9	*130,198	1,612	4.2
Wholesale trade.....	*15,455	104	*346,450	3,019	7.7
Retail trade.....	*55,176	70	*1,030,294	2,174	8.0
Hotels.....	*2,055	3	*151,730	262	5.1
Laundries.....	*1,386	4	*85,663	260	12.8

¹ Figures are not given for some industries to avoid disclosure of information concerning individual establishments. They are, however, included where practicable in "All manufacturing," in "All nonmanufacturing," and in the various industry groups.

² No decreases reported.

*Approximate—based on previous month's sample.

Public Employment

Employment created by the Federal Government includes employment financed from both regular and emergency appropriations.

EXECUTIVE SERVICE OF THE FEDERAL GOVERNMENT

Statistics of employment and pay rolls for the executive service of the Federal Government in March and April 1941 are given in table 12.

TABLE 12.—Employment and Pay Rolls for the Executive Service of the United States Government, April 1941¹

[Subject to revision]

Class	Employment			Pay rolls		
	April 1941	March 1941	Percentage change	April 1941	March 1941	Percentage change
Entire service:						
Total.....	1,251,283	1,202,348	+4.1	\$189,213,464	\$184,244,306	+2.7
Regular appropriation.....	1,061,520	1,022,024	+3.9	161,374,753	157,058,608	+2.7
Emergency appropriation.....	47,647	48,056	— .9	6,513,579	6,536,796	— .4
Force-account.....	142,116	132,268	+7.4	21,325,132	20,648,902	+3.3
Inside the District of Columbia:						
Total.....	172,876	167,081	+3.5	29,426,672	28,478,887	+3.3
Regular appropriation.....	156,071	150,058	+4.0	26,432,190	25,356,347	+4.2
Emergency appropriation.....	7,656	7,394	+3.5	1,184,746	1,157,920	+2.3
Force-account.....	9,149	9,629	— 5.0	1,809,736	1,964,620	— 7.9
Outside the District of Columbia:						
Total.....	1,078,407	1,035,267	+4.2	159,786,792	155,765,419	+2.6
Regular appropriation.....	905,449	871,966	+3.8	134,942,563	131,702,261	+2.5
Emergency appropriation.....	39,991	40,662	— 1.7	5,328,833	5,378,876	— .9
Force-account.....	132,967	122,639	+8.4	19,515,396	18,684,282	+4.4

¹ Data relate to the last pay period of the month.

CONSTRUCTION PROJECTS FINANCED BY THE PUBLIC WORKS ADMINISTRATION

Details concerning employment, pay rolls, and man-hours worked during April on construction projects financed from Public Works Administration funds are given in table 13, by type of project.

TABLE 13.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, April 1941 ¹

[Subject to revision]

Type of project	Employment		Monthly pay rolls	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum ²	Weekly average				
All programs..	10, 997	9, 527	\$1, 338, 312	1, 336, 599	\$1. 001	\$1, 862, 671
Federal projects financed from National Industrial Recovery Act funds						
All projects..	³ 213	179	\$16, 989	23, 422	\$0. 725	\$32, 038
Building construction.....	75	68	7, 094	5, 503	1. 289	16, 116
Naval vessels.....	0	0	0	0	0	2, 718
Public roads ⁴	(⁵)	44	2, 549	6, 203	. 411	5, 000
Reclamation.....	65	45	5, 141	7, 825	. 657	4, 437
Water and sewerage.....	29	22	2, 205	3, 891	. 567	3, 767
Federal projects financed from Public Works Administration Appropriation Act 1938 funds						
All projects..	1, 817	1, 674	\$196, 113	218, 686	\$0. 897	\$304, 332
Airport construction (exclusive of buildings).....	243	243	26, 285	34, 401	. 764	37, 287
Building construction.....	649	607	49, 344	46, 453	1. 062	173, 203
Electrification.....	0	0	0	0	0	90
Reclamation.....	901	800	116, 272	133, 078	. 874	92, 626
River, harbor, and flood control.....	20	20	3, 587	3, 970	. 904	1, 096
Streets and roads.....	1	1	121	80	1. 513	0
Professional, technical, and clerical.....	3	3	504	704	. 716	30
Non-Federal projects financed from National Industrial Recovery Act funds						
All projects..	98	88	\$4, 988	7, 176	\$0. 695	\$55, 028
Building construction.....	24	23	895	664	1. 348	0
Railroads.....	16	16	34	69	. 493	0
Miscellaneous.....	58	49	4, 059	6, 443	. 630	55, 028
Non-Federal projects financed from Emergency Relief Appropriation Act 1935, 1936, and 1937 funds						
All projects..	3, 198	2, 884	\$402, 329	513, 980	\$0. 783	\$628, 403
Electrification.....	211	192	19, 604	22, 635	. 866	50, 544
Heavy engineering.....	2, 806	2, 563	368, 647	476, 749	. 773	542, 510
Water and sewerage.....	114	78	6, 679	9, 057	. 737	34, 760
Non-Federal projects financed from Public Works Administration Appropriation Act 1938 funds						
All projects..	5, 671	4, 702	\$717, 893	573, 335	\$1. 252	\$842, 870
Building construction.....	1, 793	1, 439	241, 307	164, 493	1. 467	254, 771
Electrification.....	319	279	56, 477	37, 151	1. 520	48, 581
Heavy engineering.....	2, 152	1, 845	276, 051	239, 524	1. 152	416, 634
Streets and roads.....	360	272	26, 367	25, 819	1. 021	25, 345
Water and sewerage.....	1, 047	867	117, 691	106, 348	1. 107	97, 539

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

³ Includes weekly average for public roads.

⁴ Under the jurisdiction of the Public Roads Administration.

⁵ Not available: weekly average included in total for all projects.

UNITED STATES HOUSING AUTHORITY

Table 14 shows data concerning employment, pay rolls, and man-hours worked in April 1941 on low-rent projects of the United States Housing Authority.

TABLE 14.—*Employment and Pay Rolls on Low-Rent Housing Projects Operated by the United States Housing Authority, April 1941*

[Subject to revision]

Geographic division	Employment		Monthly pay rolls	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum	Weekly average				
All divisions.....	38,970	32,678	\$3,892,911	4,052,571	\$0.961	\$5,657,940
New England.....	3,045	2,526	357,910	309,555	1.156	618,234
Middle Atlantic.....	4,719	3,828	627,425	469,494	1.336	690,624
East North Central.....	5,946	4,888	689,247	595,652	1.157	1,055,079
West North Central.....	49	38	4,064	4,442	.915	261,040
South Atlantic.....	12,337	10,457	1,093,720	1,298,382	.842	1,274,476
East South Central.....	3,545	3,050	289,206	361,557	.800	358,964
West South Central.....	5,785	4,937	513,617	626,760	.819	898,875
Mountain.....	448	388	50,319	45,607	1.103	96,782
Pacific.....	2,033	1,593	231,487	197,557	1.172	361,423
Outside continental United States..	1,063	973	35,916	143,565	.250	42,443

WORK PROJECTS ADMINISTRATION PROGRAM

A record of employment, pay rolls, and man-hours worked in April on projects financed by the Work Projects Administration is shown in table 15, by type of project.

TABLE 15.—*Employment and Pay Rolls on Projects Financed by the Work Projects Administration, April 1941*

[Subject to revision]

Type of project	Employment		Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum number employed ¹	Weekly average				
Projects operated by Work Projects Administration ²						
All projects..	1,566,325	\$92,325,962	205,148,616	\$0.450	(³)	
Projects operated by other Federal agencies						
All projects..	57,827	55,314	\$2,696,470	6,470,434	\$0.417	\$616,665
Airport construction (exclusive of buildings) ⁴	282	254	18,246	36,719	.497	0
Building construction.....	31,098	29,064	1,421,594	3,398,646	.418	420,361
Forestry.....	6,679	6,677	272,127	702,391	.387	24,331
Grade-crossing elimination ⁵	196	153	18,952	21,470	.883	46,759
Hydroelectric power plants ⁴	1,250	1,212	55,731	214,222	.260	55,511
Plant, crop, and livestock conservation	5,410	5,362	277,254	602,490	.460	26,414
Professional, technical, and clerical	2,973	2,883	218,080	368,970	.591	6,545
Public roads ⁴	62	48	2,050	4,862	.422	0
Reclamation.....	8,924	8,731	374,756	1,012,826	.370	33,089
River, harbor, and flood control.....	33	31	2,380	3,984	.597	0
Streets and roads.....	407	400	20,245	45,309	.447	893
Water and sewerage.....	267	258	7,820	30,948	.253	1,691
Miscellaneous.....	246	241	7,235	27,597	.262	1,071

¹ Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

² Data are for the calendar month; will be published by type of project in May issue of this publication.

³ Data on a monthly basis are not available.

⁴ Includes projects under construction in Puerto Rico.

⁵ Projects under the jurisdiction of the Public Roads Administration.

Data on employment, pay rolls, and man-hours worked in April on each type of project operated by the Work Projects Administration were not available when this report was prepared. The figures for March are presented in table 16.

TABLE 16.—Average Employment and Pay Rolls on Projects Operated by the Work Projects Administration, by Type of Project, March 1941

[Subject to revision]

Type of project	Em- ploy- ment ¹	Pay rolls	Man- hours worked	Aver- age earn- ings per hour
All projects.....	1,708,658	\$95,910,162	213,754,441	\$0.449
Conservation.....	46,185	2,505,742	5,682,351	.441
Highways, roads, and streets.....	629,480	31,401,506	76,517,379	.410
Community service, excluding sewing..	350,661	22,273,522	45,370,855	.491
Public buildings ²	147,107	8,841,861	18,186,265	.486
Publicly owned or operated utilities...	191,581	11,402,538	24,545,962	.465
Recreational facilities ³	66,711	4,070,653	8,269,148	.492
Sanitation.....	18,816	1,049,230	2,512,303	.418
Sewing.....	118,027	6,091,664	15,196,561	.401
Airports and airways.....	65,001	3,310,028	7,883,757	.420
Not elsewhere classified—Total..	75,089	4,963,418	9,589,860	.513
National defense vocational training...	32,326	1,893,272	4,107,003	.461
Other.....	42,763	3,070,146	5,482,857	.560

¹ Data for "All projects" represent the average of the weekly employment counts made as of each Wednesday during the calendar month. The distribution by type of projects is, except for "National defense vocational training," estimated on the basis of employment on March 26, 1941.

² Separate data for housing projects are not available.

³ Exclusive of buildings.

NATIONAL YOUTH ADMINISTRATION

Employment and pay rolls on the National Youth Administration projects for March and April 1941 are shown in table 17.

TABLE 17.—Employment and Pay Rolls on National Youth Administration Projects, April and March 1941

[Subject to revision]

Type of project	Employment		Pay rolls	
	April	March	April	March
Total.....	905,721	938,700	\$11,856,161	\$12,306,236
Student work program.....	480,419	473,417	3,309,480	3,300,411
Out-of-school work program.....	425,302	465,283	8,486,681	9,005,825

CIVILIAN CONSERVATION CORPS

Employment and pay rolls in the Civilian Conservation Corps in March and April 1941 are presented in table 18.

TABLE 18.—Employment and Pay Rolls in the Civilian Conservation Corps, April 1941 ¹

[Subject to revision]

Group	Employment		Pay rolls	
	April 1941	March 1941	April 1941	March 1941
All groups	266,645	282,896	\$12,339,002	\$12,830,524
Enrolled personnel ²	231,762	248,603	7,216,419	7,727,166
Nurses ³	123	136	17,249	18,836
Educational advisers ³	1,515	1,521	261,339	258,764
Supervisory and technical ³	33,245	32,636	4,843,995	4,825,758

¹ Employment figure is monthly average for enrolled personnel, and number employed on last day of month for other groups.

² April data include 3,409 enrollees and pay roll of \$67,128 outside continental United States; in March the corresponding figures were 3,560 enrollees and pay roll of \$76,087.

³ Included in executive service, table 12.

CONSTRUCTION PROJECTS FINANCED BY THE RECONSTRUCTION FINANCE CORPORATION

Statistics of employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation in April are presented in table 19, by type of project.

TABLE 19.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, April 1941 ¹

[Subject to revision]

Type of project	Employment ²	Monthly pay rolls	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
All projects	8,403	\$1,135,134	1,004,379	\$1.130	\$2,744,974
Building construction ³	7,954	1,088,687	958,115	1.139	2,650,966
Streets and roads	128	1,400	2,213	.633	147
Water and sewerage	187	28,322	33,640	.842	90,819
Heavy engineering	134	16,725	12,411	1.348	3,042

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor.

³ Includes 434 employees; pay-roll disbursements of \$67,635; 54,988 man-hours worked; and material orders placed of \$40,026 on projects financed by RFC Mortgage Co.

CONSTRUCTION PROJECTS FINANCED FROM REGULAR FEDERAL APPROPRIATIONS

Data concerning employment, pay rolls, and man-hours worked on construction projects financed from regular Federal appropriations during April 1941 are given in table 20, by type of project.

TABLE 20.—Employment and Pay Rolls on Construction Projects Financed From Regular Federal Appropriations, by Type of Project, April 1941 ¹

[Subject to revision]

Type of project	Employment		Monthly pay rolls	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum ²	Weekly average				
All projects.....	\$ 890,050	799,679	\$115,909,892	131,231,403	\$0.883	\$205,682,696
Airport construction.....	40,575	38,510	5,587,082	6,288,440	.888	8,596,539
Building construction.....	522,432	447,247	68,269,004	73,129,260	.934	79,243,992
Electrification:						
Rural Electrification Administration projects ⁴	10,970	9,129	588,551	1,142,671	.515	3,408,085
Other than R. E. A. projects.....	973	818	111,425	116,176	.959	182,561
Forestry.....	1	1	145	176	.824	-----
Heavy engineering.....	97	96	12,318	7,595	1.622	89,007
Public roads ⁵	(9)	51,757	4,724,670	7,163,791	.660	4,632,772
Reclamation.....	25,696	24,823	3,825,708	4,138,054	.925	6,672,801
River, harbor, and flood control:						
Dredging, dikes, revetments, etc.	28,412	25,120	2,923,508	4,015,972	.728	3,412,315
Locks and dams.....	5,963	5,112	670,832	785,191	.854	1,065,976
Ship construction:						
Naval vessels.....	130,536	127,221	22,997,146	24,618,179	.934	89,890,232
Other than naval vessels.....	37,585	35,667	4,772,443	5,543,591	.861	5,105,491
Streets and roads.....	2,330	2,100	204,136	296,006	.690	421,867
Water and sewerage.....	1,498	1,326	171,722	220,635	.778	323,003
Miscellaneous.....	31,225	30,752	1,051,202	3,765,666	.279	2,638,055

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

³ Includes weekly average for public-road projects.

⁴ Financed by Rural Electrification Administration loans.

⁵ Under the jurisdiction of the Public Roads Administration.

⁶ Not available—weekly average included in the total for all projects.

STATE-ROADS PROJECTS

A record of employment and pay-roll disbursements on the construction and maintenance of roads financed wholly from State or local funds in April 1941, compared with March 1941, and April 1940, is presented in table 21.

TABLE 21.—Employment and Pay Rolls on Construction and Maintenance of State Roads April 1941, March 1941, and April 1940 ¹

[Subject to revision]

Item	Employment ²			Pay rolls		
	April 1941	March 1941	April 1940	April 1941	March 1941	April 1940
Total.....	145,520	125,648	144,349	\$11,811,753	\$10,181,296	\$10,877,469
New roads.....	34,608	24,113	32,911	2,528,657	1,764,134	2,083,721
Maintenance.....	110,912	101,535	111,438	9,283,096	8,427,162	8,793,748

¹ Projects financed wholly from State or local funds.

² Average number working during month.

