

Serial No. R. 1110

UNITED STATES DEPARTMENT OF LABOR

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EMPLOYMENT AND PAY ROLLS

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MARCH 1940

UNITED STATES GOVERNMENT PRINTING OFFICE • WASHINGTON • 1940

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Employment and Pay Rolls

SUMMARY OF REPORTS FOR MARCH 1940

Total Nonagricultural Employment

THERE was an increase of 165,000 in total nonagricultural employment from February to March. This was somewhat smaller than usual because of a contraseasonal reduction in factory employment. As compared with last year at this time, there were nearly 1,000,000 more people at work. The principal employment gain in March was in retail stores, which hired about 150,000 additional workers for the Easter trade.

Class I railroads reduced employment in March by about 6,700 workers and manufacturing firms by 47,500 wage earners. The latter decline was due primarily to recessions in steel and textile mills. Manufacturing industries affected directly or indirectly by war orders such as aircraft, machine tools, and shipbuilding, continued to show employment gains.

These figures do not include emergency employment, which decreased 69,000 as follows: 38,000 on projects operated by the Work Projects Administration and 31,000 in the Civilian Conservation Corps. Employment on the out-of-school work program of the National Youth Administration was unchanged from February to March.

Industrial and Business Employment

Gains in employment from February to March were shown by 42 of the 90 manufacturing industries surveyed and by 9 of the 16 non-manufacturing industries covered. Pay-roll increases were shared by 60 of the manufacturing and 10 of the nonmanufacturing industries.

For all manufacturing industries combined, there was an employment decline of 0.6 percent, or 47,500 workers, as against an expected seasonal gain of 1.1 percent. Weekly factory pay rolls showed an increase of 0.4 percent, or \$776,000, which is considerably smaller than the expected increase for this time of year, 1.7 percent. Nevertheless, factory employment was 6.9 percent higher than a year ago and factory pay rolls were 12.1 percent higher. The gains over the year interval were due primarily to increases in the durable-goods industries in the latter months of 1939.

The more important decreases in manufacturing employment from February to March were in the following industries: Woolen and worsted goods (24,000 wage earners), steel (24,000), cotton goods (15,000), hosiery (5,300), silk and rayon goods (3,500), canning and preserving (2,800), book and job printing (1,900), and foundries and machine shops (1,600).

Among the more important employment increases, a number of which were seasonal, were the following: Fertilizers (7,900); women's clothing (6,200); automobiles (5,200); shipbuilding (4,400); men's clothing (3,100); cigars and cigarettes (3,000); glass (2,600); millinery (2,300); sawmills (1,900); newspapers (1,900); machine tools (1,700); aircraft (1,500); brick, tile, and terra cotta (1,500); and cement (1,500). Employment in factories manufacturing aircraft and machine tools was at the highest levels ever recorded and in private ship yards at the highest level since 1921.

Pre-Easter activity was reflected in an employment gain of 4.1 percent (150,000 workers) in retail establishments, chiefly general merchandising, variety, and apparel stores. In wholesale trade there was a small net gain, 0.1 percent. Quarries and nonmetal mines increased their working forces more than seasonally (6.7 percent); and anthracite mines reported a small employment gain (0.9 percent), accompanied by an increase of 18.4 percent in pay rolls, reflecting a marked expansion in production from the unusually low level of early February. In bituminous-coal mining, employment decreased seasonally by 2.1 percent, while metal mines and oil-producing companies reported little change. In dyeing and cleaning plants there was a seasonal employment expansion of 6.1 percent and in private building construction an increase of 3.0 percent. The gain in private building construction was somewhat smaller than the corresponding increase last year, but was larger than the March gains for all other years from 1932 to date, except 1934 and 1936.

A preliminary report of the Interstate Commerce Commission showed an employment decline by class I railroads of 0.5 percent, or nearly 6,700 workers, from February to March. The total number employed in the current month was 988,229. Corresponding pay-roll figures were not available when this report was prepared; for February they were \$152,816,415, a decline of 6.7 percent from January.

Hours and earnings.—The average hours worked per week by manufacturing wage earners were 37.5 in March, an increase of 0.6 percent since February. The average hourly earnings of these workers were 66.5 cents, an increase of 0.3 percent from the preceding month. The average weekly earnings of factory workers were \$25.46, an increase of 1.0 percent since February.

Of the 14 nonmanufacturing industries for which man-hours are available, 9 showed an increase in average hours worked per week

and 6 reported gains in average hourly earnings. Eight of the sixteen nonmanufacturing industries surveyed reported higher weekly earnings. Employment and pay-roll indexes and average weekly earnings for March 1940 are given in table 1 for all manufacturing industries combined, for selected nonmanufacturing industries, and for class I railroads. Percentage changes over the month and year intervals are also given.

TABLE 1.—*Employment, Pay Rolls, and Earnings in All Manufacturing Industries Combined and in Nonmanufacturing Industries, March 1940*

Industry	Employment			Pay rolls			Average weekly earnings		
	Index March 1940	Percentage change from—		Index March 1940	Percentage change from—		Average in March 1940	Percentage change from—	
		Feb- ruary 1940	March 1939		Feb- ruary 1940	March 1939		Feb- ruary 1940	Mar. 1939
All manufacturing industries combined ¹	(1923- 25=100) 100.8	-0.6	+6.9	(1923- 25=100) 98.2	+0.4	+12.1	\$25.46	+1.0	+4.8
Class I steam railroads ²	55.3 (1929= 100)	- .5	+4.2	(³) (1929= 100)	(³)	(³)	(³)	(³)	(³)
Coal mining:									
Anthracite ⁴	52.5	+ .9	+1.5	38.9	+18.4	+13.8	24.38	+17.4	+12.0
Bituminous ⁴	89.8	-2.1	+2.7	78.6	-9.6	+1.1	23.74	-7.7	-1.6
Metalliferous mining	66.2	- .1	+8.6	63.0	-1.9	+17.4	29.79	-1.9	+8.1
Quarrying and nonmetallic mining	40.8	+6.7	+1.9	33.9	+10.1	+2.4	20.65	+3.2	+ .5
Crude-petroleum production	63.0	- .1	-4.9	58.6	- .8	-4.5	34.28	- .7	+ .4
Public utilities:									
Telephone and telegraph ⁵	75.8	- .1	+1.9	98.3	+1.5	+4.7	⁶ 31.84	+1.6	+2.8
Electric light and power ⁵	89.4	+ .3	+2.8	102.5	+ .2	+4.4	⁶ 34.71	- .1	+1.6
Street railways and busses ⁷	68.1	- .9	-1.2	69.6	-2.7	+ .3	⁶ 33.70	-1.9	+1.5
Trade:									
Wholesale ⁸	90.4	+ .1	+3.3	77.9	+1.0	+4.2	⁶ 29.92	+ .8	+ .9
Retail ⁸	90.7	+4.1	+4.4	81.9	+3.3	+5.4	⁶ 21.14	- .8	+1.0
Hotels (year-round) ⁴	91.9	- .3	- .9	82.3	- .5	+1.5	⁶ 15.51	- .3	+2.4
Laundries ⁴	96.2	+ .4	+3.5	84.2	+1.2	+6.1	17.88	+ .8	+2.5
Dyeing and cleaning ⁴	99.4	+6.1	+4.2	72.5	+12.6	+7.2	20.00	+6.2	+2.9
Brokerage	(⁹)	-1.7	-3.1	(⁹)	-2.4	-4.7	⁶ 36.80	- .7	-1.6
Insurance	(⁹)	+ .2	+1.0	(⁹)	+1.7	+2.5	⁶ 37.01	+1.6	+1.5
Building construction	(⁹)	+3.0	-2.0	(⁹)	+6.3	+1.5	29.89	+3.2	+3.5

¹ Revised indexes—Adjusted to 1937 Census of Manufactures.

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 this pamphlet.

⁵ 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 or in the Monthly Labor Review prior to April 1940. Revised series available upon request.

⁶ A 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.

⁷ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

⁸ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of this pamphlet, or February 1935 and subsequent issues of Monthly Labor Review.

⁹ Cash payments only; the additional value of board, room, and tips cannot be computed.

Public Employment

The decline in employment on construction projects financed by the Public Works Administration which has been uninterrupted since July 1939 continued during the month ending March 15 with a further decrease of 11,000. Wage payments of \$9,314,000 to the 98,000

workers employed on these projects in March were \$1,500,000 less than in February.

As a result of the seasonal upturn on low-rent projects of the United States Housing Authority and the beginning of work on several new projects, 3,000 additional building-trades workers found employment on these projects, bringing the number at work to 33,000 for the month ending March 15. Pay-roll disbursements for the month totaled \$2,895,000, an increase of \$114,000 from the preceding month.

The seasonal increase of activity on construction projects financed from regular Federal appropriations resulted in the employment of 16,000 additional workers during the month ending March 15. Appreciable increases were reported on public-road projects, ship construction, and reclamation projects, while a decrease was reported on dredging projects. Pay-roll disbursements of \$22,959,000 for all types of projects were \$1,040,000 more than in February.

Employment on construction projects financed by the Reconstruction Finance Corporation remained at approximately 2,300 during the month ending March 15. Pay rolls for the month were \$265,000.

Work relief projects of the Work Projects Administration furnished employment to 2,212,000 persons in March. This figure represents a decrease of 38,000 from February and one of 704,000 from March 1939. Because weather conditions did not cause so much lost time as in February, pay rolls of \$120,685,000 in March, in spite of decreased employment, were \$9,210,000 more than in the preceding month.

The number of youths employed on the out-of-school work program of the National Youth Administration was unchanged from February to March, while 18,000 students were added to the rolls of the student work program.

The end of an enlistment period caused employment in camps of the Civilian Conservation Corps to drop from 337,000 in February to 306,000 in March, a decrease of 31,000. Of the 306,000 on the pay roll, 269,500 were enrollees; 1,600, educational advisers; 250, nurses; and 34,650, supervisory and technical employees. Pay rolls for all groups of employees were \$13,714,000.

In the regular services of the Federal Government, increases were reported in the executive and military services and a decrease in the legislative service. Employment in the judicial service was unchanged. Of the 946,000 employees in the executive service, 129,000 were working in the District of Columbia and 817,000 outside the District. Force-account employees (employees on the pay roll of the United States Government who are engaged in construction projects and whose period of employment terminates as the project is completed) were 9 percent of the total number of employees in the executive service. Increased employment was reported in the War, Navy, and Treasury Departments and in the Department of Agriculture

while minor decreases occurred in the Post Office Department, Panama Canal, Federal Works Agency, and Federal Loan Agency.

Employment on State-financed road projects declined 9,000 in March. Of the 127,000 at work, 23,000 were engaged in the construction of new roads and 104,000 on maintenance. Pay rolls for both types of road work were \$9,729,000.

A summary of Federal employment and pay-roll data for March is given in table 2.

TABLE 2.—*Summary of Federal Employment and Pay Rolls, March and February 1940¹*

(Preliminary figures)

Class	Employment			Pay rolls		
	March	February	Percent- age change	March	February	Percent- age change
Federal Services:						
Executive ²	945,836	939,015	+0.7	\$143,912,985	\$141,918,239	+1.4
Judicial.....	2,379	2,379	(³)	577,807	579,826	-.3
Legislative.....	5,860	5,883	-.4	1,299,641	1,302,205	-.2
Military.....	456,802	449,776	+1.6	32,275,327	31,846,400	+1.3
Construction projects:						
Financed by P. W. A. ⁴	97,834	109,083	-10.3	9,314,198	10,814,115	-13.9
U. S. H. A. low-rent housing.....	33,445	30,268	+10.5	2,895,069	2,780,651	+4.1
Financed by R. F. C. ⁵	2,302	2,324	-.9	264,600	242,349	+9.2
Financed by regular Federal appropriations.....	220,310	203,893	+8.1	22,958,657	21,918,250	+4.7
Federal agency projects financed by Work Projects Administration.....	94,326	92,468	+2.0	4,354,333	4,430,881	-1.7
Projects operated by W. P. A.....	2,212,239	2,249,912	-1.7	120,684,852	111,474,813	+8.3
National Youth Administration:						
Out-of-school work program.....	336,282	336,002	+1	6,264,303	6,144,372	+2.0
Student work program.....	473,485	455,510	+3.9	3,273,980	3,111,205	+5.2
Civilian Conservation Corps.....	306,019	336,861	-9.2	13,714,184	14,663,271	-6.5

¹ Includes data on projects financed wholly or partially from Federal funds.

² Includes force-account and supervisory and technical employees shown under other classifications to the extent of 121,601 employees and pay-roll disbursements of \$16,042,779 for March 1940, and 120,874 employees and pay-roll disbursements of \$15,796,962 for February 1940.

³ No change.

⁴ Data covering P. W. A. projects financed from National Industrial Recovery Act funds, Emergency Relief Appropriation Acts of 1935, 1936, and 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 7,813 wage earners and \$685,082 pay roll for March 1940; 8,383 wage earners and \$800,435 pay roll for February 1940, covering Public Works Administration projects financed from Emergency Relief Appropriation Acts of 1935, 1936, and 1937 funds. Includes 86,070 wage earners and \$8,216,545 pay roll for March 1940; 95,949 wage earners and \$9,505,578 pay roll for February 1940, covering Public Works Administration projects financed from funds provided by the Public Works Administration Appropriation Act of 1938.

⁵ Includes 992 employees and pay-roll disbursements of \$131,405 for March 1940; 960 employees and pay-roll disbursements of \$96,209 for February 1940 on projects financed by the RFC Mortgage Co.

The value of material orders placed on projects financed from regular Federal appropriations during the first quarter of 1940 amounted to \$112,945,000. Approximately 219,000 man-months of labor were involved in the final fabrication of these materials. On P. W. A. projects orders were placed for \$63,129,000 worth of materials, for which it is estimated 139,000 man-months of labor were required in final fabrication processes.

The value of material orders placed on the various programs financed by Federal funds during the first quarter of 1940, the fourth quarter

of 1939, and the first quarter of 1939, and the man-months of employment created in the final fabrication of the materials used are shown in table 3.

TABLE 3.—*Value of Material Orders Placed on Projects Financed Wholly or Partially From Federal Funds and Number of Man-Months of Labor Created*

[Subject to revision]

Program	Value of material orders placed			Man-months of labor created in final fabrication		
	First quarter of 1940	Fourth quarter of 1939	First quarter of 1939	First quarter of 1940	Fourth quarter of 1939	First quarter of 1939
Public Works Administration ¹	\$63,128,873	\$110,913,497	\$102,018,564	139,373	246,106	234,998
U. S. H. A. low-rent housing.....	14,901,956	16,891,497	3,090,065	34,351	39,586	7,116
Reconstruction Finance Corporation ²	1,378,821	1,289,226	1,857,299	2,848	2,628	3,778
Regular Federal appropriations.....	112,944,887	134,126,867	91,210,597	218,586	255,933	171,628
Federal agency projects financed from W. P. A. funds ³	1,764,666	2,108,895	3,613,949	3,540	4,329	6,995
Projects operated by W. P. A.	(⁴)	79,897,219	82,982,635	(⁴)	173,356	196,729
Rentals and services on projects operated by W. P. A.	(⁴)	58,665,517	68,552,691	(⁴)	(⁴)	(⁴)

¹ Data covering projects financed from E. R. A. A. 1935, 1936, 1937 and P. W. A. A. 1938 funds are included. These data are not shown under projects financed from W. P. A. funds. Includes low-rent housing projects financed from funds of N. I. R. A. and E. R. A. A. 1935.

² Includes RFC Mortgage Co.

³ Includes projects financed by transfer of W. P. A. funds to other federal agencies under sec. 3, E. R. A. A. 1938, and sec. 11-A, E. R. A. A. 1939.

⁴ Data not available.



DETAILED TABLES FOR MARCH 1940

Industrial and Business Employment

SCOPE AND METHOD

MONTHLY reports on employment and pay rolls are available for 90 manufacturing industries; 16 nonmanufacturing industries, including private building construction; and class I steam railroads. The reports for the first 2 of these groups—manufacturing and non-manufacturing—are based on sample surveys by the Bureau of Labor Statistics. The figures on class I steam railroads are compiled by the Interstate Commerce Commission and are presented in the foregoing summary.

The indexes of factory employment and pay rolls are based on the 3-year average 1923–25 as 100 and are adjusted to 1937 census data. They relate to wage earners only and are computed from reports supplied by representative manufacturing establishments in 90 manufacturing industries. 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 included in the monthly survey of the Bureau of Labor Statistics.

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 the 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 to allow for weighting 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 amount of pay rolls for the pay period ending nearest the 15th of the month.

The average weekly earnings shown in tables 4 and 5 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 movements 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 March 1939 are computed from chain indexes based on the month-to-month percentage changes.

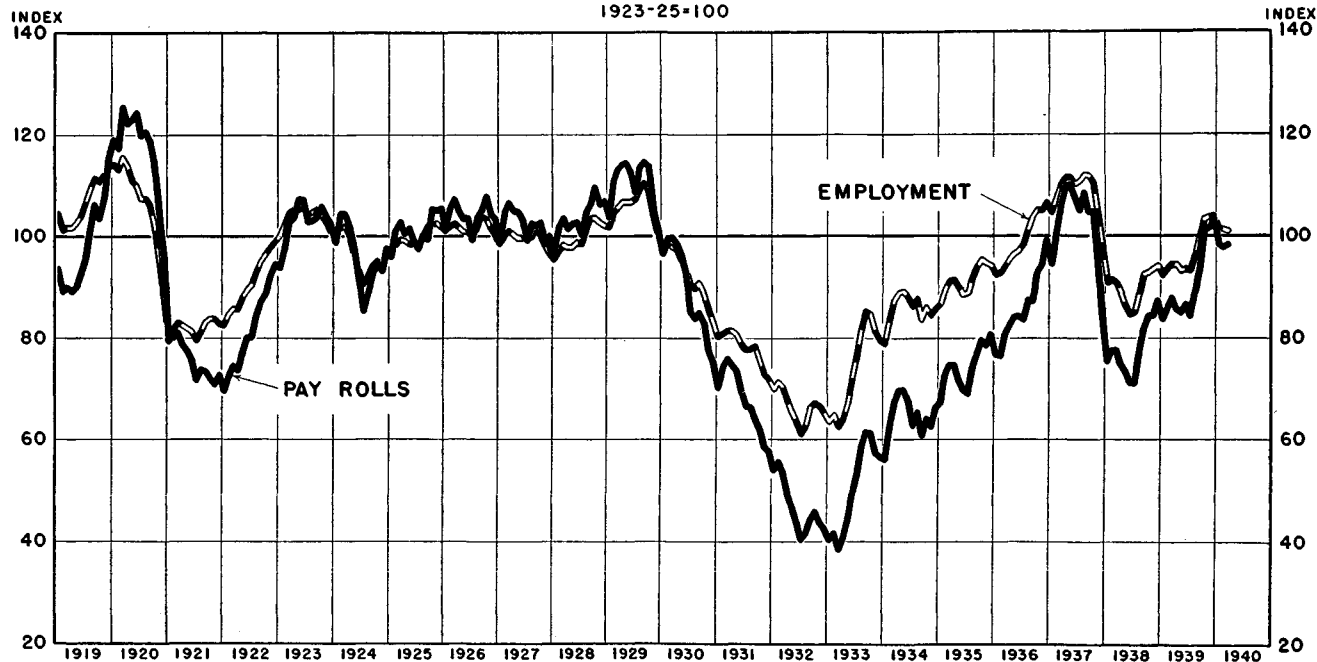
EMPLOYMENT AND PAY-ROLL INDEXES, AVERAGE HOURS, AND AVERAGE EARNINGS

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 March 1940 are shown in table 4. Percentage changes from February 1940 and March 1939 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 January, February, and March 1940, where available, are

EMPLOYMENT AND PAY ROLLS ALL MANUFACTURING INDUSTRIES

1923-25=100



UNITED STATES BUREAU OF LABOR STATISTICS

ADJUSTED TO 1937 CENSUS

presented in table 5. The January and February figures, where given, may differ in some instances from those previously published because of revisions necessitated primarily by the inclusion of late reports.

In table 6, indexes of employment and pay rolls are given for all manufacturing industries combined for the durable- and non-durable-goods groups of manufacturing industries, and for each of the 13 nonmanufacturing industries, by months, from March 1939 to March 1940, inclusive. The accompanying chart indicates the trend of factory employment and pay rolls from January 1919 to March 1940.

TABLE 4.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, March 1940*

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100. New series—adjusted to 1937 Census of Manufactures for all industries except automobiles, and not comparable to indexes published in the July 1939 and earlier issues of the pamphlet. Comparable series available upon request]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index March 1940	Percentage change from—		Index March 1940	Percentage change from—		March 1940	Percentage change from—		March 1940	Percentage change from—		March 1940	Percentage change from—	
		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939
All manufacturing.....	100.8	-0.6	+6.9	98.2	+0.4	+12.1	\$25.46	+1.0	+4.8	37.5	+0.6	+0.4	Cents 66.5	+0.3	+3.5
Durable goods.....	96.4	-1.1	+14.6	97.5	+1.8	+22.8	28.90	+1.9	+7.1	38.3	+1.9	+3.8	72.8	+1.3	+2.6
Nondurable goods.....	105.0	-1.9	+1.0	99.0	-1.1	+2.4	21.86	+1.9	+1.4	36.9	+1.4	-2.4	61.0	+1.3	+3.2
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	103.4	-3.1	+13.3	96.4	-4.5	+15.3	27.47	-1.5	+1.7	36.1	-1.9	+1.3	76.3	-1.1	+1.6
Blast furnaces, steel works, and rolling mills.....	111.5	-5.0	+16.7	101.8	-7.6	+16.6	28.88	-2.8	-1.2	34.7	-2.2	+1.2	83.8	-1.1	+1.2
Bolts, nuts, washers, and rivets.....	111.5	-2.4	+14.8	117.3	-6.8	+15.1	25.40	-4.5	-1.8	37.2	-4.7	+1.8	68.3	+1.3	-1.3
Cast-iron pipe.....	75.1	-1.7	+4.4	59.8	-11.5	+1.4	19.32	-10.9	-2.9	31.8	-11.4	-6.1	60.2	+1.5	+3.8
Cutlery (not including silver and plated cutlery) and edge tools.....	102.9	-1.0	+12.5	90.6	+1.2	+11.4	22.92	+1.1	-1.1	38.5	+1.4	-1.7	60.6	+1.6	+1.0
Forgings, iron and steel.....	68.4	-4.8	+25.8	77.4	-8.0	+38.2	30.79	-3.4	+9.6	39.7	-2.7	+6.5	77.6	-1.8	+3.2
Hardware.....	98.8	-2.5	+13.0	104.7	+3.8	+23.7	26.15	+6.5	+9.6	38.4	+4.9	+5.0	68.6	+1.5	+4.3
Plumbers' supplies.....	81.8	-1.1	+9.0	70.8	+1.1	+12.3	25.13	+1.2	+3.1	36.4	-1.4	-1.2	69.2	+1.6	+3.3
Stamped and enameled ware.....	180.8	-1.4	+7.0	163.6	+1.2	+7.2	24.27	+1.6	+1.2	37.8	+1.8	-1.5	63.2	+1.9	+1.7
Steam and hot-water heating apparatus and steam fittings.....	85.0	+1.7	+13.4	75.0	-1.8	+24.9	27.04	-1.5	+9.9	38.3	-1.5	+6.3	70.6	+1.1	+3.6
Stoves.....	89.5	+4.1	+7.9	79.6	+6.9	+9.3	25.40	+2.7	+1.3	37.6	+2.4	-1.4	67.4	-1.2	+1.9
Structural and ornamental metalwork.....	70.3	-1.8	+7.2	59.5	-1.4	+6.5	27.39	+1.4	-1.6	37.3	-1.1	-1.7	73.5	+1.5	+1.0
Tin cans and other tinware.....	93.1	+1.4	+3.6	98.4	+5.8	+4.8	24.04	+5.3	+1.1	38.6	+5.0	-1.1	62.1	+1.6	+2.7
Tools (not including edge tools, machine tools, files, and saws).....	94.6	-1.7	+11.1	92.6	-4.0	+12.8	24.74	-2.3	+1.6	39.8	-2.0	-1.8	62.4	-1.3	+2.4
Wirework.....	162.5	+1.3	+6.5	179.9	+2.6	+16.8	27.51	+2.3	+9.6	39.1	+1.7	+4.1	70.6	+1.7	+5.3

Machinery, not including transportation equipment.	113.1	0	+19.6	121.4	+1.8	+30.0	30.15	+1.7	+8.7	40.7	+1.4	+6.7	73.9	+3	+1.5
Agricultural implements (including tractors)...	143.6	+1.7	+10.0	167.9	+2.5	+14.7	31.37	+8	+4.4	39.5	+8	+4.7	79.7	+(?)	-5
Cash registers, adding machines, and calculating machines.	128.2	+2	-2.2	133.9	+2.6	+10.4	33.04	+2.4	+12.9	40.1	+2.4	+11.6	82.4	-(?)	+7
Electrical machinery, apparatus, and supplies.	101.7	+2	+18.4	113.8	+2.0	+26.3	29.98	+1.8	+6.6	39.8	+1.3	+5.2	75.5	+5	+1.3
Engines, turbines, water wheels, and wind-mills.	134.5	+1.1	+44.3	173.4	+1.0	+59.1	34.00	-1	+10.2	42.9	+2.2	+8.5	79.6	-2.2	+1.4
Foundry and machine-shop products.	97.2	-4	+19.1	95.6	+1.5	+28.9	29.47	+1.9	+8.1	40.5	+1.5	+6.6	72.7	+4	+1.3
Machine tools.	211.0	+3.0	+55.4	281.6	+4.0	+93.0	36.99	+1.0	+24.1	48.3	+9	+19.9	76.7	+1	+3.8
Radios and phonographs.	121.7	-3.6	+11.4	109.5	-3.0	+17.3	22.30	+5	+5.2	36.4	-9	-1.0	61.4	+1.4	+6.5
Textile machinery and parts.	85.8	-1	+18.5	81.9	+5	+21.4	26.23	+7	+2.3	40.3	+6	+3.6	65.2	+(?)	-1.1
Typewriters and parts.	115.2	-1.9	-10.4	111.4	+1.3	-17.1	23.72	+3.3	-7.5	36.6	+2.9	-6.0	64.7	+4	-1.6
Transportation equipment.	117.0	+1.9	+21.2	124.4	+4.9	+35.7	34.33	+2.9	+11.9	38.4	+2.0	+12.1	90.0	+7	+3
Aircraft.	2,096.2	+2.7	+114.4	2,010.7	+6.7	+105.1	29.96	+3.9	-4.3	42.1	+2.0	-1	73.4	+5	-3.2
Automobiles.	114.4	+1.1	+10.2	123.1	+3.4	+26.9	35.49	+2.2	+15.2	37.7	+1.6	+13.2	94.2	+7	+1.8
Cars, electric- and steam-railroad.	61.1	+3.4	+68.2	58.3	+7.4	+91.1	29.92	+3.8	+13.8	39.4	+8	+12.0	75.9	+3.0	+1.6
Locomotives.	28.4	-1.8	+78.5	26.0	-4.5	+88.4	28.15	-7	+5.6	36.3	-2.8	+5.7	77.4	+1	-2
Shipbuilding.	150.7	+5.6	+34.1	169.3	+12.9	+42.5	33.68	+6.2	+3.9	39.0	+5.2	+3.1	86.0	+4	+2.8
Nonferrous metals and their products.	107.1	0	+14.2	104.8	+1.4	+21.6	26.96	+1.5	+6.5	38.9	+1.4	+1.7	69.7	+2	+4.5
Aluminum manufactures.	171.3	+1	+19.9	196.3	+8	+26.2	27.91	+7	+5.3	39.6	+5	+5	70.5	+5	+4.6
Brass, bronze, and copper products.	128.7	+3	+22.8	137.2	+6	+33.6	29.01	+3	+8.9	39.0	-2	+3.0	74.8	+6	+6.0
Clocks and watches and time-recording devices.	90.9	-3	+8.8	94.8	+4	+15.8	23.14	+7	+6.4	38.8	+1.0	+2.9	59.6	-4	+2.9
Jewelry.	92.3	+1.5	+3.4	75.2	+8.8	+2.5	22.84	+7.2	-8	38.2	+7.8	-2.4	59.0	-8	+1.9
Lighting equipment.	86.0	-2.3	+5.2	74.2	+4.8	+15.3	27.55	+7.2	+9.7	38.5	+5.7	+6.0	71.5	+1.5	+4.1
Silverware and plated ware.	70.2	-8	+1.7	60.3	+1.6	-5.1	24.90	+2.4	-6.9	38.7	+1.6	-6.2	64.1	+5	-1.1
Smelting and refining—copper, lead, and zinc.	86.7	-3	+12.6	84.8	-1.2	+17.7	27.44	-9	+4.5	38.8	-2	+2.4	70.7	-8	+2.1
Lumber and allied products.	66.8	+0.1	+7.6	61.0	+1.7	+13.8	19.91	+1.4	+5.8	38.4	+1.1	-0.5	51.5	+3	+4.7
Furniture.	88.7	-4	+6.3	77.7	+1.2	+11.4	21.15	+1.6	+4.9	39.2	+7	+1.3	54.7	+1.1	+2.9
Lumber:															
Millwork.	60.7	-(?)	+9.1	47.1	+4	+10.3	21.59	+4	+1.2	39.9	+6	-(?)	54.3	-4	+7
Sawmills.	59.5	+7	+8.2	53.3	+2.5	+16.8	18.49	+1.6	+5.2	37.6	+1.6	-1.6	49.2	+1	+6.8
Stone, clay, and glass products.	77.7	+2.9	+3.5	68.3	+4.6	+4.3	24.03	+1.6	+8	35.7	+1.1	-1.4	66.4	+3	+2.4
Brick, tile, and terra cotta.	54.4	+2.9	+1.9	41.5	+4.8	+2.8	19.55	+1.8	+9	35.0	+1.6	-3.0	55.3	-2	+2.8
Cement.	59.4	+7.2	-2.0	54.1	+12.5	-7	25.81	+4.9	+1.4	36.7	+5.1	-2	70.3	-2	+1.9
Glass.	106.2	+3.6	+10.1	112.8	+4.1	+12.8	26.02	+6	+2.4	35.2	+2	-3	74.1	+4	+2.7
Marble, granite, slate, and other products.	43.0	+9	-15.0	29.6	+1.7	-20.8	24.14	+7	-6.5	34.2	+7	-4.7	69.9	-8	-2.5
Pottery.	93.1	+2	+6.7	85.3	+1.2	+5.7	23.26	+1.0	-9	37.6	+3	-2	63.7	+1.2	+6
<i>Nondurable goods</i>															
Textiles and their products.	102.9	-2.5	-1.8	89.4	-2.1	-2.1	17.45	+5	-2	35.1	+2	-3.8	50.5	+1	+3.4
Fabrics:	90.6	-5.1	-2.7	78.4	-6.9	-2.6	16.62	-1.9	0	35.1	-1.6	-4.8	48.2	-1	+5.1
Carpets and rugs.	80.1	-2.6	+1.7	67.4	-4.5	+8	23.30	-1.9	-9	35.2	-2.3	-5.9	66.3	+4	+5.2
Cotton goods.	92.1	-3.6	+5.0	82.8	-5.3	+9.2	14.59	-1.8	+4.0	35.6	-1.8	-3.4	41.0	+2	+7.7
Cotton small wares.	81.1	-4.3	-3.6	75.5	+4	-5.1	18.17	+5.0	-1.6	38.0	+4.4	-4.0	48.8	+2	+3.3
Dyeing and finishing textiles.	128.1	-1.5	+6	108.7	-5	-1.8	20.62	+1.1	-2.5	37.5	+9	-5.0	54.6	+4	+2.7
Hats, fur-felt.	86.5	-5.5	-2.7	68.6	-18.8	-2.2	21.50	-14.1	+4.4	29.3	-16.1	-1.9	71.4	-1.5	+4.0

See footnotes at end of table.

TABLE 4.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, March 1940—Continued

MANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index March 1940	Percentage change from—		Index March 1940	Percentage change from—		March 1940	Percentage change from—		March 1940	Percentage change from—		March 1940	Percentage change from—	
		Febru-ary 1940	March 1939		Febru-ary 1940	March 1939		Febru-ary 1940	March 1939		Febru-ary 1940	March 1939		Febru-ary 1940	March 1939
Nondurable goods—Continued															
Textiles and their products—Continued.															
Fabrics—Continued.															
Hosiery.....	139.9	-3.7	-10.2	144.6	-4.1	-14.7	\$18.42	-0.4	-5.0	33.9	+0.1	-8.2	<i>Cents</i> 55.0	-0.1	+4.8
Knitted outerwear.....	65.3	-3.7	-7.3	53.0	-6.4	-4.6	17.28	-2.9	+2.9	35.7	-2.7	-2.9	47.7	+2	+5.6
Knitted underwear.....	78.6	+2.1	+9.1	71.7	+4.1	+11.9	15.37	+1.9	+2.5	36.6	+1.3	+1.1	42.3	+6	+3.1
Knitted cloth.....	133.8	-4	-1.7	106.6	-4	-1.6	18.07	+1	-1	36.4	-7	-4.5	48.4	+6	+2.7
Silk and rayon goods*	66.2	-4.0	-13.6	52.2	-3.6	-11.1	16.25	+4	+3.1	35.5	-3	-5.3	45.4	+7	+8.1
Woolen and worsted goods..	71.4	-15.9	-12.2	57.2	-20.1	-13.1	18.42	-5.1	-8	32.6	-5.4	-7.4	56.7	+4	+7.1
Wearing apparel.....															
Clothing, men's.....	126.5	+2.3	-4	105.6	+5.9	-1.1	19.54	+3.6	-7	35.2	+3.6	-2.0	54.3	-1	+8
Clothing, women's.....	111.9	+1.5	+2.4	88.3	+2.8	-6	20.43	+1.2	-3.0	34.3	+9	-3.7	58.8	+1	+7
Corsets and allied garments..	181.1	+2.7	-2.4	141.2	+5.3	-4.3	20.83	+2.5	-1.9	35.1	+5.4	-1.7	54.7	-1.4	+1.0
Men's furnishings.....	115.8	+3	+5.5	119.0	-1.8	+1.9	17.06	+5	-3.2	35.8	+3	-9.3	46.9	-5	+4.3
Millinery.....	124.5	+3.0	-8.7	116.3	+3.2	-3.2	14.46	+2	+6.1	35.1	+3.4	-2.2	39.8	-3.7	+5.9
Shirts and collars.....	96.8	+8.1	-9	103.2	+33.7	+3.5	30.59	+23.6	+4.3	39.5	+12.0	+1.2	70.9	+6.9	+1.1
	125.8	+6	+1.0	113.0	+4.3	+8.9	14.34	+3.7	+7.9	36.0	+2.7	+1.2	40.3	+4	+6.0
Leather and its manufactures.....															
Boots and shoes.....	98.2	-1.1	-5.5	80.3	-2.8	-10.2	19.23	-1.7	-4.9	35.6	-3.1	-7.9	54.1	+6	+3.3
Leather.....	97.7	-6	-5.8	78.2	-2.5	-11.5	18.20	-2.0	-6.1	35.2	-3.6	-8.8	51.9	+9	+3.7
	84.0	-2.9	-3.8	80.4	-3.5	-5.7	23.83	-6	-2.1	37.3	-5	-4.2	63.8	-1	+2.1
Food and kindred products.....															
Baking.....	118.7	0	+2.9	117.2	+1.5	+4.8	25.25	+1.4	+1.9	39.8	+1.1	-1.0	64.1	+4	+1.9
Beverages.....	143.1	+5	+2	134.4	+1.5	+2.3	26.12	+1.0	+2.2	41.6	+1.1	-2	63.0	-1	+2.6
Butter.....	261.4	+2.8	+2.1	299.9	+5.6	+6.0	33.69	+2.8	+3.8	38.5	+2.3	+2.3	88.0	+4	+1.4
Canning and preserving.....	90.0	+1.5	+1.7	77.5	+2.4	+3.8	22.86	+8	+2.1	46.6	+1.6	+1.9	48.9	-1.0	-1
	87.3	-3.7	-5.0	76.0	-2.4	-5.1	17.10	+1.4	+1	34.8	+1.6	-5.0	49.5	-3	+2
Confectionery.....	81.9	-2.5	+1.0	77.4	-3.9	+2.2	18.47	-1.5	+1.3	36.8	-2.2	-2	50.2	+3	+1.6
Flour.....	79.5	+3	+2.5	75.9	+2.9	+5.9	25.80	+2.6	+3.3	40.8	-9	-1.8	63.2	+3.8	+5.0
Ice cream.....	70.3	+5.0	+3.0	59.8	+5.0	+4.0	29.78	0	+1.1	45.4	+8	-3.2	64.8	-4	+4.0
Slaughtering and meat packing..	107.4	-1.1	+14.3	111.5	+5	+14.0	27.26	+1.6	-1	40.0	+1.4	+3	68.1	+2	-7
Sugar, beet.....	39.6	+4.5	-5.3	45.3	+2.2	-4.1	29.74	-2.2	+1.4	39.8	+9	-2.5	77.3	-5	+2.1
Sugar refining, cane.....	95.7	+4.0	+3	78.9	+3.0	-11.3	23.18	-1.0	-11.6	36.6	+1.2	-10.5	63.4	-2.2	-1.2

Tobacco manufactures	63.6	+8.1	+4.4	58.0	+7.4	+8.8	16.88	+4.2	+4.2	34.5	+5.3	+1.2	49.0	- .5	+3.3
Chewing and smoking tobacco and snuff.....	60.5	-2.6	-2.8	67.2	-3.1	+1.9	17.97	- .4	+4.7	34.3	- .6	+1.1	52.3	+ .2	+3.5
Cigars and cigarettes.....	63.9	+3.9	+5.5	56.8	+9.2	+10.0	16.66	+5.1	+4.0	34.5	+6.1	+1.2	48.6	- .5	+3.5
Paper and printing	114.4	- .2	+3.0	110.0	+1.3	+4.4	28.67	+1.5	+1.4	38.0	+ .6	- .5	78.9	+ .8	+1.9
Boxes, paper.....	114.2	- .5	+3.4	121.6	+1.9	+1.9	21.16	+2.4	-1.6	38.1	+2.3	-3.1	55.8	+ .2	+1.6
Paper and pulp.....	112.6	- .4	+6.2	115.1	-1.5	+9.0	25.17	-1.1	+2.5	39.5	- .8	- .9	63.7	- .3	+3.5
Printing and publishing:															
Book and job.....	99.8	-1.4	+ .5	88.2	+1.4	+1.7	30.85	+2.9	+1.1	38.4	+1.2	+ .5	81.7	+1.8	+1.0
Newspapers and periodicals.....	117.0	+1.4	+2.2	110.9	+3.2	+3.9	38.19	+1.8	+1.5	36.0	+ .8	+ .2	102.3	+ .5	+2.4
Chemical, petroleum, and coal products	122.6	+1.4	+5.7	132.5	+ .8	+9.9	29.14	- .6	+3.9	38.4	+ .4	-1.1	74.6	-1.3	+3.9
Petroleum refining.....	121.3	+ .3	+3.3	135.8	+1.1	+3.2	34.96	+ .8	- .1	36.2	+1.0	- .6	97.1	- .2	+ .4
Other than petroleum refining.....	122.9	+1.7	+6.2	131.5	+ .8	+12.1	26.86	- .8	+5.5	39.2	+ .2	+ (2)	67.0	-1.6	+6.0
Chemicals.....	135.6	- .4	+14.4	159.3	- .3	+19.5	31.82	+ .1	+4.5	39.7	+ .3	+ .1	80.0	- .2	+4.3
Cottonseed—oil, cake, and meal.....	86.5	-9.1	-14.6	80.3	-9.5	-1.6	15.12	- .6	+15.1	42.1	-1.5	-2.0	33.6	+ .5	+15.8
Druggists' preparations	118.7	- .6	+8.5	131.2	+ .7	+10.4	25.09	+1.3	+1.6	40.0	+1.5	+1.8	60.3	+ .2	+1.8
Explosives.....	107.8	+2.2	+27.0	128.8	+1.1	+34.3	32.80	-1.1	+5.7	39.1	- .8	+1.5	83.9	- .3	+4.2
Fertilizers.....	151.8	+38.8	+4.2	112.7	+34.6	+8.0	13.52	-3.2	+2.4	35.3	+3.0	-5.2	38.4	-6.0	+9.9
Paints and varnishes.....	123.5	+ .2	+3.2	130.5	+1.7	+6.3	28.93	+1.5	+2.1	40.4	+1.9	- .7	71.8	- .5	+2.6
Rayon and allied products.....	309.0	-1.4	+1.7	316.0	-1.7	+10.2	26.26	- .3	+8.3	39.1	+ (2)	+4.1	67.2	- .3	+4.1
Soap.....	82.7	-2.0	+2.7	99.5	- .8	+3.4	28.08	+1.0	+ .6	39.2	+ .2	-1.3	71.7	+ .8	+1.6
Rubber products	87.3	- .8	+5.4	88.4	+ .1	+6.3	27.66	+1.0	+ .8	35.9	+1.5	-1.1	78.0	+ .3	+2.6
Rubber boots and shoes.....	56.3	-1.0	-6.8	55.6	+5.4	-2.3	22.70	+6.5	+4.9	37.6	+5.4	+4.4	60.3	+ .6	- .1
Rubber tires and inner tubes.....	72.3	-1.0	+8.4	79.3	-1.6	+6.9	32.04	- .6	-1.3	33.6	- .2	-1.2	96.5	+ .1	+1.0
Rubber goods, other.....	144.2	- .7	+6.1	137.5	+1.7	+7.6	23.22	+2.5	+1.4	38.0	+2.2	-2.2	61.8	+ .6	+4.3

NONMANUFACTURING

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

Coal mining:													<i>Cents</i>		
Anthracite ³	52.5	+0.9	+1.5	38.9	+18.4	+13.8	\$24.38	+17.4	+12.0	27.2	+22.4	+16.0	91.3	-0.4	-1.2
Bituminous ³	89.8	-2.1	+2.7	78.6	-9.6	+1.1	23.74	-7.7	-1.6	26.6	-8.8	-1.7	88.7	+1.1	+ .1
Metalliferous mining.....	66.2	- .1	+8.6	63.0	-1.9	+17.4	29.79	-1.9	+8.1	41.0	- .7	+3.1	73.0	-1.3	+5.0
Quarrying and nonmetallic mining.....	40.8	+6.7	+1.9	33.9	+10.1	+2.4	20.65	+3.2	+ .5	37.0	+4.0	-1.5	55.8	- .7	+2.0
Crude-petroleum production.....	63.0	- .1	-4.9	58.6	- .8	-4.5	34.28	- .7	+ .4	37.9	- .8	-2.2	88.8	+ .5	+2.3
Public utilities:															
Telephone and telegraph ⁴	75.8	- .1	+1.9	98.3	+1.5	+4.7	31.84	+1.6	+2.8	39.4	+1.0	- .3	81.3	+ .6	+1.8
Electric light and power ⁴	89.4	+ .3	+2.8	102.5	+ .2	+4.4	34.71	- .1	+1.6	40.3	+1.1	+1.3	86.1	- .8	- .5
Street railways and busses ⁴ ⁵	68.1	- .9	-1.2	69.6	-2.7	+ .3	33.70	-1.9	+1.5	46.7	- .6	+1.8	71.7	- .3	+ .9

See footnotes at end of table.

TABLE 4.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, March 1940—Continued*

NONMANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index March 1940	Percentage change from—		Index March 1940	Percentage change from—		March 1940	Percentage change from—		March 1940	Percentage change from—		March 1940	Percentage change from—	
		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939		Febru- ary 1940	March 1939
Trade:															
Wholesale ^{1 7}	90.4	+0.1	+3.3	77.9	+1.0	+4.2	\$29.92	+0.8	+0.9	42.4	+3.6	+0.8	<i>Cents</i> 70.3	-3.1	-0.5
Retail ^{1 8}	90.7	+4.1	+4.4	81.9	+3.3	+5.4	21.14	- .8	+1.0	42.5	-1.0	(⁹)	54.0	- .6	(⁹)
Food ⁵	104.0	+ .7	+3.4	94.6	+ .3	+3.8	23.51	- .3	+ .4	43.2	-(²)	(⁹)	52.4	- .2	(⁹)
General merchandising ^{1 8}	95.3	+8.3	+7.0	85.5	+5.8	+6.5	17.72	-2.3	- .4	38.4	-1.2	(⁹)	45.9	-1.1	(⁹)
Apparel ⁵	90.5	+19.6	+9.2	78.1	+12.7	+6.3	20.36	-5.7	-2.7	36.8	-5.2	(⁹)	53.9	-2.0	(⁹)
Furniture ⁵	76.6	+ .4	+ .9	66.6	+1.2	+2.8	28.18	+ .8	+1.8	44.2	+ .4	(⁹)	66.9	- .7	(⁹)
Automotive ⁵	82.3	+1.1	+5.2	77.6	+4.4	+10.2	28.06	+3.3	+4.8	47.5	+ .4	(⁹)	58.4	+2.5	(⁹)
Lumber ⁵	70.3	+1.3	+1.7	65.9	+2.2	+4.6	26.24	+ .9	+2.7	42.4	+1.2	(⁹)	63.1	- .2	(⁹)
Hotels (year-round) ^{2 1 8}	91.9	- .3	- .9	82.3	- .5	+1.5	15.51	- .3	+2.4	46.9	+ .9	+1.8	32.8	-1.2	+1.1
Laundries ³	96.2	+ .4	+3.5	84.2	+1.2	+6.1	17.88	+ .8	+2.5	43.2	+ .3	+ .5	41.5	+ .6	+2.2
Dyeing and cleaning ³	99.4	+6.1	+4.2	72.5	+12.6	+7.2	20.00	+6.2	+2.9	42.3	+4.8	+ .1	49.0	+1.1	+2.4
Brokerage ⁴	(⁹)	-1.7	-3.1	(⁹)	-2.4	-4.7	36.80	- .7	-1.6	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Insurance ⁴	(⁹)	+ .2	+1.0	(⁹)	+1.7	+2.5	37.01	+1.6	+1.5	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Building construction.....	(⁹)	+3.0	-2.0	(⁹)	+6.3	+1.5	29.89	+3.2	+3.5	30.9	+2.3	+1.3	97.0	+1.0	+2.1

¹ Revised series. Mimeographed sheets giving averages by years, 1932 to 1938, inclusive, and by months, January 1938 to September 1939, 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 Less than $\frac{1}{10}$ of 1 percent.

³ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of this publication.

⁴ Average weekly earnings, hourly earnings, and hours not strictly 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.

⁵ 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 Reviews prior to April 1940. Comparable series for earlier months available upon request.

⁶ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "electric-railroad and motorbus operation and maintenance."

⁷ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of pamphlet.

⁸ Not available.

⁹ Cash payments only; value of board, room, and tips not included.

* Revised series of employment and pay-roll indexes. Figures for earlier months available on request.

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

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100, and are adjusted to 1937 Census of Manufactures for all industries except automobiles. 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		
	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940
All manufacturing.....	100.8	101.4	101.4	98.2	97.8	98.3	\$25.46	\$25.20	\$25.51	37.5	37.3	37.4	Cents 66.5	Cents 66.3	Cents 66.3
Durable goods.....	96.4	96.5	97.4	97.5	96.7	98.2	28.90	28.60	28.98	38.3	37.9	38.1	72.8	72.6	72.7
Nondurable goods.....	105.0	106.0	105.3	99.0	99.1	98.4	21.86	21.73	21.87	36.9	36.8	36.9	61.0	60.8	60.7
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	103.4	106.7	108.3	96.4	100.9	106.2	27.47	27.95	29.07	36.1	36.5	37.6	76.3	76.4	76.6
Blast furnaces, steel works, and rolling mills.....	111.5	117.4	120.9	101.8	110.2	119.3	28.88	29.09	31.25	34.7	35.4	37.1	83.8	83.8	84.1
Bolts, nuts, washers, and rivets.....	111.5	114.3	117.2	117.3	125.8	124.4	25.40	26.54	25.61	37.2	39.0	37.4	68.3	68.2	68.4
Cast-iron pipe.....	75.1	75.6	74.4	59.8	67.6	64.8	19.32	21.68	21.14	31.8	35.9	35.1	60.2	59.9	59.8
Cutlery (not including silver and plated cutlery) and edge tools.....	102.9	104.0	104.7	90.6	90.6	90.3	22.92	22.74	23.12	38.5	38.3	38.8	60.6	60.5	60.5
Forgings, iron and steel.....	68.4	71.9	72.3	77.4	84.1	85.8	30.79	31.86	32.27	30.7	40.8	41.3	77.6	78.2	78.2
Hardware.....	98.8	101.3	103.5	104.7	100.9	108.9	26.15	24.65	26.01	38.4	36.5	38.8	68.6	67.5	67.0
Plumbers' supplies.....	81.8	81.9	82.2	70.8	70.7	70.8	25.18	25.15	25.02	36.4	36.5	36.8	69.2	69.0	68.0
Stamped and enameled ware.....	160.8	161.4	158.0	163.6	161.6	160.2	24.27	23.88	24.18	37.8	37.7	37.9	63.2	62.6	63.5
Steam and hot-water heating apparatus and steam fittings.....	85.0	84.4	83.2	75.0	75.6	73.9	27.04	27.45	27.20	38.3	38.9	38.7	70.6	70.6	70.4
Stoves.....	89.5	86.0	78.0	79.6	74.5	64.6	25.40	24.71	23.75	37.6	36.8	35.7	67.4	67.4	66.7
Structural and ornamental metalwork.....	70.3	71.6	73.4	59.5	60.3	62.6	27.39	27.27	27.65	37.3	37.3	37.9	73.5	73.2	73.0
Tin cans and other tinware.....	93.1	92.7	93.6	98.4	93.0	96.9	24.04	22.82	23.46	38.6	36.8	37.9	62.1	62.0	61.9
Tools (not including edge tools, machine tools, files, and saws).....	94.6	96.2	96.1	92.6	96.4	97.5	24.74	25.37	25.71	39.8	40.7	41.3	62.4	62.6	62.6
Wirework.....	162.5	162.0	171.9	179.9	175.3	188.8	27.51	26.93	27.31	39.1	38.4	39.3	70.6	70.2	69.5
Machinery, not including transportation equipment.....	113.1	113.1	112.4	121.4	119.3	119.1	30.15	29.67	29.74	40.7	40.1	40.4	73.9	73.7	73.5
Agricultural implements (including tractors).....	143.6	141.1	135.2	167.9	163.8	155.8	31.37	31.14	30.91	39.5	39.2	38.9	79.7	79.7	79.6
Cash registers, adding machines, and calculating machines.....	128.2	127.9	126.4	133.9	130.5	128.6	33.04	32.17	32.11	40.1	39.1	39.1	82.4	82.5	82.5
Electrical machinery, apparatus, and supplies.....	101.7	101.6	101.7	113.8	111.6	112.4	29.98	29.53	29.67	39.8	39.3	39.7	75.5	75.3	74.9

See footnotes at end of table.

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

MANUFACTURING—Continued

Industry	Employment index			Pay-roll index			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940
<i>Durable goods—Continued</i>															
Machinery—Continued.													<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Engines, turbines, water wheels, and wind-mills.....	134.5	133.0	125.3	173.4	171.6	161.8	\$34.00	\$34.09	\$34.10	42.9	42.1	42.6	79.6	81.3	80.4
Foundry and machine-shop products.....	97.2	97.6	97.2	95.6	94.2	95.2	29.47	28.89	29.27	40.5	39.9	40.4	72.7	72.3	72.6
Machine tools.....	211.0	204.8	196.8	281.6	270.7	258.5	36.99	36.60	36.41	48.3	47.8	47.4	76.7	76.6	76.9
Radios and phonographs.....	121.7	126.3	136.4	109.5	113.0	121.7	22.30	22.19	22.12	36.4	36.6	36.9	61.4	60.6	59.5
Textile machinery and parts.....	85.8	85.9	86.2	81.9	81.4	83.5	26.23	25.97	26.65	40.3	39.9	40.6	65.2	65.2	65.8
Typewriters and parts.....	115.2	117.5	122.6	111.4	110.0	111.3	23.72	22.96	22.27	36.6	35.6	34.9	64.7	64.4	63.7
Transportation equipment.....	117.0	114.8	115.5	124.4	118.6	118.3	34.33	33.47	33.23	38.4	37.6	37.4	90.0	89.6	89.4
Aircraft.....	2,096.2	2,041.5	2,029.7	2,010.7	1,884.2	1,900.6	29.96	28.77	29.21	42.1	41.2	41.5	73.4	73.0	74.1
Automobiles.....	114.4	113.1	115.8	123.1	119.1	119.9	35.49	34.80	34.28	37.7	37.1	36.7	94.2	93.8	93.4
Cars, electric and steam-railroad.....	61.1	59.0	52.8	58.3	54.3	47.3	29.92	28.83	28.06	39.4	39.1	38.5	75.9	73.8	72.9
Locomotives.....	28.4	28.9	28.3	26.0	27.2	27.2	28.15	28.93	29.49	36.3	37.4	37.7	77.4	77.3	78.2
Shipbuilding.....	150.7	142.7	137.5	169.3	149.9	148.0	33.68	31.53	32.32	39.0	37.1	38.2	86.0	85.7	84.6
Nonferrous metals and their products.....	107.1	107.1	109.8	104.8	103.4	108.7	26.96	26.65	27.37	38.9	38.4	39.2	69.7	69.6	70.1
Aluminum manufactures.....	171.3	171.3	170.1	196.3	194.8	192.7	27.91	27.72	27.62	39.6	39.4	39.3	70.5	70.2	69.9
Brass, bronze, and copper products.....	128.7	128.3	135.7	137.2	136.4	150.3	29.01	28.96	30.28	39.0	39.2	40.5	74.8	74.3	74.9
Clocks and watches and time-recording devices.....	90.9	91.2	90.6	94.8	94.5	92.9	23.14	22.96	22.75	38.8	38.5	38.4	59.6	59.6	59.2
Jewelry.....	92.3	91.0	89.0	75.2	69.2	72.7	22.84	21.31	22.89	38.2	35.5	37.7	59.0	59.6	60.2
Lighting equipment.....	86.0	88.0	92.8	74.2	70.8	74.2	27.55	25.68	25.54	38.5	36.5	36.2	71.5	70.5	70.6
Silverware and plated ware.....	70.2	70.8	71.7	60.3	59.4	61.3	24.90	24.29	24.74	38.7	38.1	39.1	64.1	63.7	63.3
Smelting and refining—copper, lead, and zinc.....	86.7	87.0	86.9	84.8	85.9	86.5	27.44	27.75	27.94	38.8	38.8	38.9	70.7	71.5	71.9
Lumber and allied products.....	66.8	66.7	67.3	61.0	60.0	58.8	19.91	19.69	19.10	38.4	38.0	38.9	51.5	51.3	51.2
Furniture.....	88.7	89.0	90.3	77.7	76.8	74.6	21.15	20.91	19.95	39.2	39.2	37.4	54.7	53.9	53.8
Lumber:															
Millwork.....	60.7	60.7	61.5	47.1	47.0	47.0	21.59	21.58	21.27	39.9	39.7	39.3	54.3	54.4	54.2
Sawmills.....	59.5	59.1	59.5	53.3	52.0	51.1	18.49	18.19	17.73	37.6	37.0	36.1	49.2	49.1	49.1

Stone, clay, and glass products.....	77.7	75.5	77.7	68.3	65.3	66.9	24.03	23.71	23.58	35.7	35.3	35.1	66.4	66.2	66.4
Brick, tile, and terra cotta.....	54.4	52.9	57.0	41.5	39.6	43.4	19.55	19.30	19.52	35.0	34.6	34.8	55.3	55.4	55.8
Cement.....	59.4	55.4	57.7	54.1	48.1	50.5	25.81	24.63	24.96	36.7	35.0	35.5	70.3	70.4	70.4
Glass.....	106.2	102.5	105.6	112.8	108.3	113.1	26.02	25.89	26.20	35.2	35.2	35.2	74.1	73.8	74.6
Marble, granite, slate, and other products.....	43.0	42.6	38.8	29.6	29.1	23.9	24.14	23.96	21.54	34.2	34.0	31.4	69.9	70.4	69.0
Pottery.....	93.1	92.9	92.4	85.3	84.3	80.7	23.26	23.03	22.20	37.6	37.5	37.0	63.7	62.9	62.9
<i>Nondurable goods</i>															
Textiles and their products*.....	102.9	105.5	103.5	89.4	91.3	87.5	17.45	17.48	17.26	35.1	35.1	34.8	50.5	50.5	49.9
Fabrics*.....	90.6	95.5	95.9	78.4	84.2	84.8	16.62	16.98	17.07	35.1	35.7	36.0	48.2	48.4	48.1
Carpets and rugs.....	80.1	82.2	82.3	67.4	70.6	72.3	23.30	23.76	24.31	35.2	36.0	36.8	66.3	66.0	66.2
Cotton goods.....	92.1	95.5	95.9	82.8	87.4	89.0	14.59	14.92	15.18	35.6	36.2	36.8	41.0	41.1	41.2
Cotton small wares.....	81.1	84.8	87.5	75.5	75.2	81.4	18.17	17.23	18.05	38.0	36.2	37.9	48.8	48.5	48.4
Dyeing and finishing textiles..	128.1	130.1	129.7	108.7	109.2	109.5	20.62	20.46	20.64	37.5	37.3	37.6	54.6	54.3	54.4
Hats, fur-felt.....	86.5	91.5	90.9	68.6	84.4	84.8	21.50	25.13	25.26	29.3	34.8	35.0	71.4	72.8	73.0
Hosiery.....	139.9	145.3	143.8	144.6	150.8	146.1	18.42	18.59	18.24	33.9	33.8	33.1	55.0	55.3	55.5
Knitted underwear.....	65.3	67.9	59.4	53.0	56.6	47.4	17.28	17.83	17.12	35.7	36.8	35.0	47.7	47.8	48.4
Knitted underwear.....	78.6	77.0	75.4	71.7	68.9	66.0	15.37	15.11	14.78	36.6	36.1	35.3	42.3	42.1	42.4
Knitted cloth.....	133.8	134.4	137.3	106.6	107.1	112.1	18.07	18.06	18.51	36.4	36.7	37.6	48.4	48.1	47.9
Silk and rayon goods*.....	66.2	69.0	72.8	62.2	54.2	66.5	16.25	16.17	16.03	35.5	35.6	35.0	45.4	45.1	45.5
Woolen and worsted goods..	71.4	84.9	86.5	57.2	71.7	73.1	18.42	19.47	19.46	32.6	34.4	36.2	56.7	56.6	53.7
Wearing apparel.....	126.5	123.7	116.1	105.6	99.7	87.5	19.54	18.86	17.85	35.2	34.0	32.5	54.3	54.4	53.4
Clothing, men's.....	111.9	110.2	105.5	88.3	85.9	80.1	20.43	20.18	19.60	34.3	34.0	33.0	58.8	58.7	59.4
Clothing, women's.....	181.1	176.3	162.2	141.2	134.1	112.8	20.83	20.32	18.55	35.1	33.4	32.0	54.7	55.5	52.8
Corsets and allied garments..	115.8	115.5	115.4	119.0	118.1	112.0	17.06	16.86	16.02	35.8	35.7	33.7	46.9	47.0	46.8
Men's furnishings.....	124.5	120.9	111.5	116.3	112.6	95.0	14.46	14.43	13.15	35.1	34.0	32.3	39.8	41.4	40.1
Millinery.....	96.8	89.5	78.7	108.2	77.2	58.5	30.59	24.92	21.47	39.5	35.0	32.3	70.9	66.3	62.6
Shirts and collars.....	125.8	125.0	119.6	113.0	108.3	98.2	14.34	13.86	13.08	36.0	35.0	32.4	40.3	40.2	41.2
Leather and its manufactures.....	98.2	99.3	97.4	80.3	82.6	82.3	19.23	19.61	19.89	35.6	36.7	37.2	54.1	53.7	53.4
Boots and shoes.....	97.7	98.3	95.8	78.2	80.2	79.1	18.20	18.59	18.78	35.2	36.6	37.0	51.9	51.4	50.8
Leather.....	84.0	86.6	87.4	80.4	83.3	86.1	23.83	23.96	24.55	37.3	37.4	38.3	63.8	63.9	64.2
Food and kindred products.....	118.7	118.7	119.5	117.2	115.5	117.0	25.25	25.00	25.32	39.8	39.4	39.6	64.1	63.9	64.1
Baking.....	143.1	142.3	141.4	134.4	132.4	131.1	26.12	25.84	25.84	41.6	41.2	40.9	63.0	63.1	63.5
Beverages.....	261.4	254.4	254.9	299.9	283.9	278.8	33.69	32.77	32.13	38.5	37.6	36.9	88.0	87.7	87.7
Butter.....	90.0	88.6	88.8	77.5	75.7	74.6	22.86	22.78	22.47	46.6	45.7	45.1	48.9	49.6	49.8
Canning and preserving..	87.3	90.7	91.0	76.0	77.8	80.6	17.10	16.86	17.41	34.8	34.6	35.3	49.5	49.5	50.2
Confectionery.....	81.9	84.0	82.9	77.4	80.6	80.3	18.47	18.74	18.87	36.8	37.7	37.8	50.2	50.1	50.0
Flour.....	79.5	79.3	79.0	75.9	73.7	73.4	25.80	25.14	25.18	40.8	41.0	41.2	63.2	60.9	60.8
Ice cream.....	70.3	66.9	66.4	59.8	57.0	55.9	29.78	29.81	29.50	45.4	45.0	44.3	64.8	65.2	65.5
Slaughtering and meat packing..	107.4	108.6	111.8	111.5	110.9	118.9	27.26	26.88	27.94	40.0	39.5	41.2	68.1	68.0	67.7
Sugar, beet.....	39.6	37.9	69.7	45.3	44.3	62.6	29.74	30.41	23.38	39.8	40.3	33.9	77.3	77.6	68.4
Sugar refining, cane.....	95.7	92.0	89.7	78.9	76.6	71.4	23.18	23.41	22.41	36.6	36.1	34.2	63.4	64.8	65.6

See footnotes at end of table.

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

MANUFACTURING—Continued

Industry	Employment index			Pay-roll index			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940	March 1940	February 1940	January 1940
<i>Nondurable goods—Continued</i>															
Tobacco manufactures	63.6	61.7	59.0	58.0	54.0	52.9	\$16.88	\$16.25	\$16.52	34.5	32.8	33.3	Cents 49.0	Cents 49.1	Cents 49.6
Chewing and smoking tobacco and snuff.....	60.5	62.1	63.4	67.2	69.3	67.8	17.97	18.05	17.33	34.3	34.6	33.4	52.3	52.2	51.9
Cigars and cigarettes.....	63.9	61.5	58.4	56.8	52.0	51.0	16.66	15.80	16.35	34.5	32.5	33.3	48.6	48.7	49.3
Paper and printing	114.4	114.6	115.1	110.0	108.6	110.0	28.67	28.37	28.66	38.0	37.8	38.1	78.9	78.3	78.3
Boxes, paper.....	114.2	114.8	116.6	121.6	119.4	121.6	21.16	20.75	20.85	38.1	37.3	37.6	55.8	55.7	55.7
Paper and pulp.....	112.6	113.0	114.1	115.1	116.9	117.6	25.17	25.42	25.35	39.5	39.8	40.0	63.7	63.8	63.5
Printing and publishing:															
Book and job.....	99.8	101.2	102.6	88.2	87.0	91.6	30.85	30.05	31.30	38.4	37.9	38.9	81.7	80.4	81.7
Newspapers and periodicals.....	117.0	115.4	113.5	110.9	107.5	105.7	38.19	37.59	37.55	36.0	35.9	35.7	102.3	101.8	101.8
Chemical, petroleum, and coal products	122.6	120.9	121.0	132.5	131.4	131.0	29.14	29.81	29.22	38.4	38.4	38.4	74.6	75.6	75.6
Petroleum refining.....	121.3	120.9	121.6	135.8	134.4	133.5	34.96	34.78	34.42	36.2	35.9	35.5	97.1	97.5	97.4
Other than petroleum refining.....	122.9	120.9	120.9	131.5	130.4	130.3	26.86	27.24	27.24	39.2	39.2	39.4	67.0	68.1	68.0
Chemicals.....	135.6	136.1	135.8	159.3	159.7	159.8	31.82	31.79	31.82	39.7	39.6	39.8	80.0	80.3	80.0
Cottonseed—oil, cake, and meal.....	86.5	95.1	103.2	80.3	88.8	99.3	15.12	15.21	15.29	42.1	42.7	45.0	33.6	33.4	33.2
Druggists' preparations.....	118.7	119.4	118.5	131.2	130.4	129.2	25.09	24.74	24.76	40.0	39.4	39.6	60.3	60.0	59.0
Explosives.....	107.8	105.5	103.5	128.8	127.5	120.9	32.80	33.16	32.08	39.1	39.4	38.2	83.9	84.2	83.9
Fertilizers.....	151.8	109.3	105.1	112.7	83.7	82.5	13.52	13.61	14.27	35.3	34.2	34.0	38.4	40.4	42.0
Paints and varnishes.....	123.5	123.2	123.5	130.5	128.3	128.5	28.93	28.43	28.44	40.4	39.6	39.7	71.8	71.9	71.8
Rayon and allied products.....	309.0	313.3	313.5	316.0	321.3	320.4	26.26	26.33	26.24	39.1	39.1	38.8	67.2	67.4	67.6
Soap.....	82.7	84.4	83.5	99.5	100.3	100.3	28.08	27.81	28.12	39.2	39.1	39.4	71.7	71.1	71.3
Rubber products	87.3	88.0	90.0	88.4	88.3	94.1	27.66	27.40	28.54	35.9	35.3	36.6	78.0	77.7	77.6
Rubber boots and shoes.....	56.3	56.8	59.1	55.6	52.8	56.4	22.70	21.32	21.92	37.6	35.5	36.0	60.3	60.0	60.8
Rubber tires and inner tubes.....	72.3	73.0	73.6	79.3	80.6	85.6	32.04	32.29	33.96	33.6	33.7	35.2	90.5	96.4	96.5
Rubber goods, other.....	144.2	145.3	150.3	137.5	135.2	144.8	23.22	22.69	23.53	38.0	37.2	38.5	61.8	61.6	61.7

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

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TABLE 6.—*Indexes of Employment and Pay Rolls in Selected Manufacturing¹ and Non-manufacturing² Industries, March 1939 to March 1940, Inclusive*

Industry	Employment														
													1940		
	1939												Jan.	Feb.	Mar.
	Av.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.				
<i>Manufacturing</i>															
All industries.....	96.8	94.3	94.1	93.0	93.4	93.5	96.3	100.2	103.6	103.8	104.1	101.4	101.4	101.4	100.8
Durable goods ³	87.8	84.1	84.8	84.0	84.6	83.0	83.9	89.8	96.1	98.2	100.0	97.4	96.5	96.4	96.4
Nondurable goods ⁴	105.5	104.0	103.0	101.6	101.8	103.5	108.1	110.2	110.8	109.2	108.0	105.3	106.0	105.0	105.0
<i>Nonmanufacturing</i>															
Anthracite mining ⁵	50.6	51.7	53.0	52.6	51.2	44.7	48.5	49.4	51.9	51.3	51.0	51.5	52.0	52.5	52.5
Bituminous-coal mining ⁶	78.6	87.4	25.9	47.9	78.3	79.4	81.4	85.4	93.0	94.9	92.6	91.8	91.7	89.8	89.8
Metalliferous mining.....	62.7	61.0	61.5	61.9	61.6	60.4	60.4	62.9	65.3	66.5	67.3	66.4	66.3	66.2	66.2
Quarrying and nonmetallic mining.....	44.6	40.1	43.0	45.6	47.3	47.5	48.1	47.9	48.0	47.1	44.0	37.8	38.3	40.8	40.8
Crude-petroleum production.....	65.8	66.2	65.8	66.1	67.0	67.3	66.7	65.0	64.3	63.8	63.8	63.2	63.0	63.0	63.0
Telephone and telegraph ⁶	75.8	74.4	75.1	75.8	76.4	76.5	76.6	76.4	76.5	76.1	75.8	76.1	75.9	75.8	75.8
Electric light and power ⁶	89.0	87.0	87.7	88.2	89.2	90.0	90.6	90.6	90.4	90.3	90.1	89.2	89.2	89.4	89.4
Street railways and buses ⁷	69.0	68.9	68.5	68.9	69.3	69.1	69.2	69.2	69.5	69.3	69.0	68.8	68.7	68.1	68.1
Wholesale trade.....	89.2	87.4	87.3	87.2	88.1	87.9	89.0	90.5	92.4	92.1	92.2	90.6	90.2	90.4	90.4
Retail trade ⁸	89.8	86.9	88.5	88.8	89.4	87.2	86.3	90.5	91.7	93.3	104.2	87.7	87.1	90.7	90.7
Year-round hotels ⁹	92.0	92.7	93.2	93.9	92.8	90.3	89.8	91.3	92.9	91.8	90.8	91.3	92.1	91.9	91.9
Laundries ¹	95.9	92.9	93.5	95.5	98.7	100.0	99.1	97.8	96.0	95.6	95.6	96.0	95.8	96.2	96.2
Dyeing and cleaning ¹	101.3	95.4	102.2	107.0	110.1	106.5	102.7	105.2	105.1	97.8	97.4	94.0	93.7	99.4	99.4
<i>Pay rolls</i>															
<i>Manufacturing</i>															
All industries.....	90.8	87.6	85.5	85.0	86.5	84.4	89.7	93.8	101.6	101.6	103.7	93.3	97.8	98.2	98.2
Durable goods ³	85.2	79.4	79.5	78.8	80.7	76.0	81.5	87.8	99.6	100.9	104.6	98.2	96.7	97.5	97.5
Nondurable goods ⁴	97.0	96.7	92.2	91.9	93.0	93.7	99.0	100.5	103.9	102.4	102.5	98.4	99.1	99.0	99.0
<i>Nonmanufacturing</i>															
Anthracite mining ⁵	39.5	34.2	43.4	57.0	36.1	25.2	33.8	40.1	52.2	42.0	26.6	52.5	32.9	38.9	38.9
Bituminous-coal mining ⁶	69.9	77.8	17.6	20.4	66.5	64.5	74.6	80.2	97.6	96.3	84.3	87.0	87.0	78.6	78.6
Metalliferous mining.....	56.0	53.6	52.6	54.1	53.8	48.5	53.0	55.1	63.4	63.9	65.0	63.6	64.2	63.0	63.0
Quarrying and nonmetallic mining.....	38.7	33.1	35.9	39.7	41.7	40.9	42.9	42.7	45.6	42.9	39.2	29.6	30.8	33.9	33.9
Crude-petroleum production.....	61.0	61.3	60.8	61.2	62.5	61.9	62.0	60.8	58.8	59.6	59.2	58.4	59.0	58.6	58.6
Telephone and telegraph ⁶	95.6	93.8	94.0	95.7	95.7	96.6	96.3	96.9	97.2	96.4	97.4	97.4	96.9	98.3	98.3
Electric light and power ⁶	100.4	98.2	98.3	99.9	101.2	101.1	102.2	102.2	102.0	102.5	102.4	101.6	102.2	102.5	102.5
Street railways and buses ⁷	69.5	69.3	68.4	68.9	70.0	69.4	69.8	69.2	71.2	69.4	69.8	69.0	71.5	69.6	69.6
Wholesale trade.....	76.6	74.7	74.8	74.9	75.8	75.8	76.2	78.0	80.3	79.0	79.1	77.1	77.2	77.9	77.9
Retail trade ⁸	80.3	77.7	79.6	79.9	81.1	79.5	78.0	80.9	83.2	83.6	91.8	79.9	79.3	81.9	81.9
Year-round hotels ⁹	81.2	81.1	81.9	82.4	82.0	79.1	79.2	80.4	82.2	81.8	81.1	81.1	82.8	82.3	82.3
Laundries ¹	83.1	79.3	79.9	83.9	86.9	88.0	85.9	84.5	83.9	82.9	83.7	83.4	83.1	84.2	84.2
Dyeing and cleaning ¹	73.6	67.7	73.3	83.0	84.2	77.1	73.0	78.3	77.3	70.8	69.9	65.5	64.4	72.5	72.5

¹ 3-year average 1923-25=100—adjusted to 1937 Census of Manufactures.

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 and 6.

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 1935 and subsequent issues of pamphlet.

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 or in MONTHLY LABOR REVIEW prior to April 1940. Comparable series January 1929 to December 1939 available in mimeographed form.

⁷ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

TREND OF INDUSTRIAL AND BUSINESS EMPLOYMENT, BY STATES

A comparison of employment and pay rolls, by States and geographic divisions, in February and March 1940, is shown in table 7 for all groups combined and for all manufacturing industries combined based on data supplied by reporting establishments. The percentage changes shown, unless otherwise noted, are unweighted—that is, the industries included in the manufacturing group and in the total for all groups have not been weighted according to their relative importance.

The totals for all manufacturing industries combined include figures for miscellaneous manufacturing industries in addition to the 90 manufacturing industries presented in table 4. The totals for all groups combined include all manufacturing industries, each of the nonmanufacturing industries presented in table 4 (except building construction), and seasonal hotels.

Similar comparisons showing only percentage changes are available in mimeographed form for all groups combined, all manufacturing, anthracite mining, bituminous-coal mining, metalliferous mining, quarrying and nonmetallic mining, crude-petroleum production, public utilities, wholesale trade, retail trade, hotels, laundries, dyeing and cleaning, and brokerage and insurance.

TABLE 7.—*Comparison of Employment and Pay Rolls in Identical Establishments in February and March 1940, by Geographic Divisions and by States*

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued by cooperating State organizations]

Geographic division and State	Total—all groups					Manufacturing				
	Number of establishments	Number on pay roll March 1940	Percentage change from February 1940	Amount of pay roll (1 week) March 1940	Percentage change from February 1940	Number of establishments	Number on pay roll March 1940	Percentage change from February 1940	Amount of pay roll (1 week) March 1940	Percentage change from February 1940
				<i>Dollars</i>					<i>Dollars</i>	
New England.....	13, 186	896, 068	-5.0	21, 509, 591	-3.5	3, 575	617, 189	-2.9	14, 339, 080	-0.8
Maine.....	861	55, 979	-3.5	1, 168, 850	-5.5	276	45, 784	-4.4	922, 252	-7.1
New Hampshire.....	651	40, 929	-4.2	858, 637	-6.2	209	33, 756	-5.2	690, 224	-7.5
Vermont.....	480	18, 886	+1.1	428, 036	-1.1	152	12, 195	-4.4	275, 069	-1.3
Massachusetts.....	¹ 7, 531	<i>487, 239</i>	<i>-7.9</i>	<i>11, 252, 891</i>	<i>-6.2</i>	<i>1, 789</i>	<i>272, 192</i>	<i>-3.1</i>	<i>6, 251, 284</i>	<i>-7.7</i>
Rhode Island.....	1, 169	94, 433	-3.1	2, 096, 981	+6.6	418	74, 042	-5.0	1, 590, 878	+6.6
Connecticut.....	2, 474	218, 602	-3.3	5, 704, 196	+1.3	731	179, 220	-6.6	4, 609, 343	+1.1
Middle Atlantic.....	32, 826	2, 250, 925	+3.3	61, 273, 220	+1.6	6, 897	1, 343, 909	-5.36	261, 242	+1.2
New York.....	19, 885	994, 345	+1.1	28, 105, 479	+2.3	² 2, 810	<i>483, 846</i>	<i>+7.7</i>	<i>13, 590, 054</i>	<i>+2.8</i>
New Jersey.....	4, 004	391, 888	+6.1	10, 721, 495	+2.5	1, 661	314, 525	+4.4	8, 503, 974	+2.7
Pennsylvania.....	8, 937	864, 692	-8.8	22, 446, 246	+4.4	<i>2, 486</i>	<i>545, 538</i>	<i>-1.9</i>	<i>14, 167, 214</i>	<i>+1.2</i>
East North Central.....	26, 028	2, 274, 274	+2.64	67, 376	+0.0	8, 282	1, 713, 455	-2.49	835, 865	-1.1
Ohio.....	7, 685	580, 505	+1.1	15, 927, 179	+2.2	2, 342	429, 584	-1.1	12, 183, 602	-1.1
Indiana.....	² 2, 923	<i>277, 895</i>	<i>-1.8</i>	<i>7, 336, 120</i>	<i>-3.5</i>	<i>1, 076</i>	<i>223, 974</i>	<i>-2.2</i>	<i>6, 093, 459</i>	<i>+3.0</i>
Illinois.....	³ 6, 517	<i>620, 036</i>	<i>-4.1</i>	<i>16, 652, 331</i>	<i>-1.0</i>	<i>2, 366</i>	<i>423, 582</i>	<i>-6.11</i>	<i>485, 891</i>	<i>-3.8</i>
Michigan.....	4, 534	548, 826	+1.0	17, 583, 054	+1.6	<i>1, 032</i>	<i>462, 034</i>	<i>+1.6</i>	<i>15, 358, 884</i>	<i>+1.2</i>
Wisconsin.....	⁴ 4, 334	<i>249, 012</i>	<i>+2.1</i>	<i>6, 577, 692</i>	<i>+2.3</i>	<i>1, 466</i>	<i>174, 281</i>	<i>+1.4</i>	<i>4, 714, 629</i>	<i>+2.2</i>

See footnotes at end of table.

TABLE 7.—Comparison of Employment and Pay Rolls in Identical Establishments in February and March 1940, by Geographic Divisions and by States—Continued

Geographic division and State	Total—all groups					Manufacturing				
	Number of establishments	Number on pay roll March 1940	Percentage change from February 1940	Amount of pay roll (1 week) March 1940	Percentage change from February 1940	Number of establishments	Number on pay roll March 1940	Percentage change from February 1940	Amount of pay roll (1 week) March 1940	Percentage change from February 1940
West North Central				<i>Dollars</i>					<i>Dollars</i>	
Minnesota.....	12,807	484,905	+1.3	11,588,997	+1.1	2,442	224,558	-0.2	5,587,823	+0.8
Iowa.....	⁸ 2,821	129,915	+2.2	3,479,575	+1.9	655	52,159	+1.0	1,376,959	+1.3
Missouri.....	1,980	66,255	-0.5	1,630,097	+2.2	354	37,710	-1.7	968,017	+1.1
North Dakota.....	3,250	175,246	+1.8	4,285,474	+2.6	798	98,359	+3	2,322,922	+2.3
South Dakota.....	495	4,444	-1	107,333	-3	27	409	+1.0	10,712	+2.8
Nebraska.....	480	8,255	+4	219,533	-1.2	30	2,670	-1.3	65,243	-6.0
Kansas.....	1,320	26,997	+2	617,341	-0.5	137	8,865	-1.9	222,177	-2.4
	⁹ 2,461	53,793	¹⁰ +2.4	1,289,644	¹¹ +1.8	461	24,386	-1.2	621,593	-4
South Atlantic										
Delaware.....	11,058	929,718	+ ⁽¹⁾	18,658,888	-6	2,950	632,005	-7	11,808,245	-4
Maryland.....	240	15,549	+1.9	396,047	+2.5	77	11,430	+9	285,571	+2.5
District of Columbia.....	1,672	151,556	+1.5	3,822,162	+2.4	646	108,844	³ +1.1	2,757,248	³ +2.0
Virginia.....	1,052	41,187	+2.0	1,121,233	+1.7	43	3,414	+5	119,895	+3.0
West Virginia.....	2,001	125,765	+6	2,456,774	-8	464	86,712	-2	1,670,642	-8
North Carolina.....	1,259	143,300	-3	3,589,067	-2.7	209	54,086	-6	1,372,068	+4
South Carolina.....	1,570	174,662	-1.3	2,764,720	-1.7	646	158,213	-1.8	2,484,298	-2.1
Georgia.....	831	90,934	-8	1,369,621	-1.4	270	82,433	-1.1	1,213,742	-1.7
Florida.....	1,497	129,573	-2	2,087,260	-2.2	400	101,125	-9	1,485,669	-3.2
	1,036	57,392	-2	1,050,012	+8	195	25,748	-5	417,112	+2
East South Central										
Kentucky.....	4,938	322,098	+3	5,963,913	-2.9	1,039	198,579	-6	3,489,959	-1.2
Tennessee.....	1,531	87,200	+5	1,792,944	-6.5	286	34,202	-3	715,180	+2.7
Alabama.....	1,410	107,197	+8	1,927,624	- ⁽¹⁾	364	78,216	-2	1,386,145	-4
Mississippi.....	1,405	103,863	+3	1,864,962	-3.0	289	70,207	-1.0	1,158,860	-4.4
	592	23,838	+6	378,383	+1.8	100	15,954	-1.4	229,774	-4
West South Central										
Arkansas.....	5,340	217,897	+1.2	4,828,206	+1.5	1,284	112,277	+3	2,437,807	+2.4
Louisiana.....	¹¹ 915	28,122	+4	479,641	+2.6	264	18,555	-1.6	311,541	+3.9
Oklahoma.....	1,060	56,709	+2.8	1,138,656	+3.0	232	30,601	+3.4	573,180	+5.2
Texas.....	1,410	41,061	+5	997,909	-1.0	142	11,967	-1.2	277,893	-1.2
	1,955	98,005	+8	2,212,000	+1.7	646	51,154	³ +6	1,275,193	³ +2.5
Mountain										
Montana.....	4,128	124,372	+5	3,263,153	-1.6	553	32,601	+3	848,217	-3
Idaho.....	645	19,369	+1.7	554,345	-1.5	69	4,416	+1.8	116,384	-1.3
Wyoming.....	516	9,227	+8	235,542	+1.1	60	2,252	+2.2	58,090	+9
Colorado.....	337	7,845	-1.0	215,544	-7.9	35	1,059	-1.9	36,576	-1.4
	1,176	40,586	-2	1,029,377	-1.9	198	15,034	-8	399,226	+1
New Mexico.....	287	6,080	+6	130,035	-2.6	29	817	-2.7	16,596	-2.5
Arizona.....	406	17,215	+7	480,537	-1.5	36	2,724	+1.5	67,758	+9
Utah.....	591	21,395	+4	528,368	-1.6	113	6,035	+1.2	145,474	-1.0
Nevada.....	168	2,655	+4.0	89,405	+11.4	13	264	+3.1	8,113	+6.4
Pacific										
Washington.....	11,083	498,891	+1.2	14,508,238	+1.9	2,749	261,941	+1.4	7,503,752	+2.5
Oregon.....	2,690	94,505	+1.0	2,657,793	+1.9	541	53,368	+3	1,523,441	+1.6
California.....	1,265	46,232	+3.0	1,220,323	+2.5	286	26,360	+4.4	682,645	+3.1
	¹² 7,128	358,154	+1.0	10,625,122	+1.8	1,922	182,213	+1.8	5,297,666	+2.7

¹ Includes banks and trust companies; construction, municipal, agricultural, and office employment; amusement and recreation; professional services; and trucking and handling.

² Includes laundering and cleaning; and water, light, and power.

³ Weighted percentage change.

⁴ Less than 1/10 of 1 percent.

⁵ Includes automobile and miscellaneous services; restaurants; and building and contracting.

⁶ Includes construction but not public works.

⁷ Does not include logging.

⁸ Includes banks; real estate; pipe-line transportation; motor transportation (other than operation and maintenance); water transportation; hospitals and clinics; and personal, business, mechanical repair, and miscellaneous services.

⁹ Includes financial institutions, miscellaneous services, and restaurants.

¹⁰ Weighted percentage change, including hired farm labor.

¹¹ Includes automobile dealers and garages; and sand, gravel, and building stone.

¹² Includes banks, insurance, and office employment.

INDUSTRIAL AND BUSINESS EMPLOYMENT IN PRINCIPAL METROPOLITAN AREAS

A comparison of employment and pay rolls in February and March 1940 is made in table 8 for 13 metropolitan areas, each of which had a population of 100,000 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 establishments and cover both full- and part-time workers in the manufacturing and nonmanufacturing industries presented in table 4, 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 8.—*Comparison of Employment and Pay Rolls in Identical Establishments in February and March 1940, by Principal Metropolitan Areas*

Metropolitan area	Number of establishments March 1940	Number on pay roll March 1940	Percentage change from February 1940	Amount of pay roll (1 week) March 1940	Percentage change from February 1940
New York ¹ ..	14, 138	703, 565	+1.3	\$20, 095, 022	+3.6
Chicago ²	4, 325	448, 355	— .3	12, 607, 674	— .6
Philadelphia ³ ..	2, 427	219, 472	— .4	6, 002, 075	+ .3
Detroit	1, 649	350, 337	+1.0	11, 928, 063	+ .6
Los Angeles ⁴ ..	2, 945	174, 350	+1.3	5, 078, 424	+1.5
Cleveland	1, 375	129, 375	+1.5	3, 696, 898	+1.3
St. Louis	1, 401	128, 914	+1.6	3, 245, 657	+1.7
Baltimore	1, 149	117, 588	+1.6	3, 029, 637	+3.7
Boston ⁵	3, 082	188, 887	+ (?)	4, 785, 264	+1.0
Pittsburgh	1, 248	192, 753	—1.7	5, 482, 458	—2.2
San Francisco ⁶ ..	1, 650	80, 564	+ .7	2, 505, 713	+1.6
Buffalo	797	75, 906	— (?)	2, 073, 880	— .6
Milwaukee	955	99, 982	+3.0	2, 886, 721	+3.0

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.

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 February 1940 are given in table 9.

TABLE 9.—*Employment and Pay Rolls for the Executive Service of the United States Government, March and February 1940*¹

[Subject to revision]

Class	Employment			Pay rolls		
	March	February	Percent- age change	March	February	Percent- age change
Entire service: Total.....	945,836	939,015	+0.7	\$143,912,985	\$141,918,239	+1.4
Regular appropriation.....	800,687	796,047	+6	125,627,160	123,965,548	+1.3
Emergency appropriation.....	60,034	58,422	+2.8	7,575,981	7,484,842	+1.2
Force-account.....	85,115	84,546	+7	10,709,844	10,467,849	+2.3
Inside the District of Columbia: Total.....	128,643	127,771	+7	22,727,942	22,582,263	+6
Regular appropriation.....	113,281	112,449	+7	20,324,543	20,225,565	+5
Emergency appropriation.....	8,813	8,758	+6	1,368,283	1,359,568	+6
Force-account.....	6,549	6,564	-2	1,035,116	997,130	+3.8
Outside the District of Columbia: Total.....	817,193	811,244	+7	121,185,043	119,335,976	+1.5
Regular appropriation.....	687,406	683,598	+6	105,302,617	103,739,983	+1.5
Emergency appropriation.....	51,221	49,664	+3.1	6,207,698	6,125,274	+1.3
Force-account.....	78,566	77,982	+7	9,674,728	9,470,719	+2.2

¹ Data include number of employees receiving pay during the last pay period of the month.

INSOLVENT NATIONAL BANK DIVISION OF THE TREASURY DEPARTMENT, FEDERAL RESERVE BANKS, AND GOVERNMENT OR GOVERNMENT-OWNED CORPORATIONS

Semiannually the Civil Service Commission collects data for the Insolvent National Bank Division of the Treasury Department, Federal Reserve Banks, and Government or Government-owned corporations. Employees of these agencies are not paid directly by the Federal Government.

Employment and pay rolls for these agencies are shown in table 10.

TABLE 10.—Employment and Pay Rolls in Government Corporations and Government-Owned Corporations

Establishment or corporation	Number employees ¹		Total pay roll	
	December 1939	June 1939	Six-month period ending Dec. 31, 1939	Six-month period ending June 30, 1939
Total.....	26, 288	25, 519	\$21, 978, 412	\$21, 014, 906
Treasury:				
Office of the Comptroller of Currency:				
Division of Insolvent National Banks..	277	306	345, 208	350, 985
Legal Division.....	52	(²)	67, 835	(²)
Farm Credit Administration:				
Banks for cooperatives.....	210	207	300, 266	283, 648
Federal intermediate credit banks..	440	436	546, 325	529, 100
Federal land banks ³	4, 810	4, 810	4, 607, 250	4, 548, 619
General agents' offices.....	413	430	516, 393	537, 742
Joint stock land banks.....	526	557	637, 539	680, 165
Production Credit Corporation.....	301	297	438, 232	424, 620
Federal Deposit Insurance Corporation:				
National receivership trust funds..	28	33	24, 461	23, 042
State receivership trust funds..	61	57	42, 521	52, 205
Federal Reserve Banks.....	11, 355	11, 520	10, 162, 557	9, 886, 769
Inland Waterways Corporation..	3, 243	2, 972	2, 066, 954	1, 677, 466
Panama Railroad Co. ⁴	4, 568	3, 890	2, 214, 081	2, 011, 755
Spruce Production Corporation..	4	4	8, 790	8, 790

¹ Data on the number of employees refer to employees on the pay roll with pay during the last pay period of the month.

² Data not available.

³ Includes land bank appraisers and their pay rolls.

⁴ Includes the Panama Railroad Steamship Line which is owned and operated by the Panama Railroad Co.

CONSTRUCTION PROJECTS FINANCED BY THE PUBLIC WORKS ADMINISTRATION

Details concerning employment, pay rolls, and man-hours worked during March on construction projects financed by Public Works Administration funds are given in table 11, by type of project.

TABLE 11.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, March 1940 ¹

[Subject to revision]

Type of project	Wage earners		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 ²	Weekly average				
All programs.....	97, 834	82, 474	\$9, 314, 198	9, 471, 804	\$0. 983	\$17, 542, 011
	Federal projects financed from National Industrial Recovery Act funds					
All projects.....	³ 615	555	\$49, 361	69, 541	\$0. 710	\$77, 292
Building construction..	204	222	24, 505	21, 170	1. 158	16, 597
Naval vessels.....	1	1	30	30	1. 000	33, 694
Public roads ⁴	(⁵)	39	2, 366	4, 369	. 542	4, 700
Reclamation.....	122	120	13, 717	18, 997	. 722	13, 070
River, harbor, and flood control.....	12	12	1, 158	2, 352	. 492	250
Water and sewerage..	155	139	4, 370	18, 273	. 239	8, 672
Miscellaneous..	22	22	3, 215	4, 350	. 739	309

See footnotes at end of table.

TABLE 11.—*Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, March 1940—Continued*

[Subject to revision]

Type of project	Wage earners		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	Weekly average				
Federal projects financed from Public Works Administration Appropriation Act 1938 funds						
All projects..	10,727	9,396	\$1,108,692	1,112,201	\$0.997	\$1,245,660
Airport construction (exclusive of buildings).....	325	323	33,531	55,056	.609	21,817
Building construction..	7,474	6,452	758,961	705,616	1.076	835,491
Electrification..	679	641	91,845	92,663	.991	75,277
Reclamation.....	1,115	969	111,610	134,840	.828	127,821
River, harbor, and flood control..	316	303	30,310	32,825	.923	8,962
Ship construction..	153	109	14,396	13,198	1.091	50,366
Streets and roads.....	27	26	1,139	1,848	.616	3,465
Water and sewerage..	113	100	7,084	7,103	.997	12,650
Miscellaneous.....	282	268	23,497	32,266	.728	108,420
Professional, technical, and clerical..	243	205	36,319	36,786	.987	1,391
Non-Federal projects financed from National Industrial Recovery Act funds						
All projects ¹ ..	3,336	2,915	\$363,210	355,185	\$1.023	\$347,102
Building construction ² ..	1,870	1,705	289,497	218,489	1.325	228,597
Streets and roads.....	395	350	26,350	35,360	.745	50,417
Water and sewerage.....	8	7	1,016	756	1.344	877
Miscellaneous.....	1,063	853	46,347	100,580	.461	67,211
Non-Federal projects financed from Emergency Relief Appropriation Act 1935, 1936 and 1937 funds						
All projects.....	7,813	6,821	\$685,082	959,940	\$0.714	\$1,113,029
Building construction..	647	566	68,493	55,792	1.228	56,463
Electrification.....	663	565	50,759	70,610	.719	84,030
Heavy engineering.....	5,399	4,705	451,712	697,402	.648	726,750
Reclamation.....	266	247	32,826	37,811	.868	18,436
Water and sewerage.....	838	738	81,292	98,325	.827	104,299
Miscellaneous.....	0	0	0	0	0	123,051
Non-Federal projects financed from Public Works Administration Appropriation Act 1938 funds						
All projects.....	75,343	62,787	\$7,107,853	6,974,937	\$1.019	\$14,758,928
Building construction..	37,933	31,135	3,343,303	3,125,413	1.070	5,858,867
Electrification.....	1,309	1,078	114,712	120,431	.953	376,994
Heavy engineering.....	12,884	10,896	1,474,824	1,262,380	1.168	2,985,641
Reclamation.....	393	325	31,958	41,140	.777	8,988
River, harbor, and flood control..	32	29	2,991	2,855	1.048	1,602
Streets and roads.....	9,434	7,969	858,679	1,008,036	.852	1,917,429
Water and sewerage..	13,270	11,288	1,275,122	1,408,328	.905	2,021,476
Miscellaneous.....	88	67	6,264	6,354	.986	1,587,931

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.⁶ Includes data for workers engaged in construction of underground tunnel who, because of the additional risk involved, were paid at rates higher than those usually paid for building construction.

UNITED STATES HOUSING AUTHORITY

Table 12 shows data concerning employment, pay rolls, and man-hours worked in March 1940 on low-rent projects of the United States Housing Authority.

TABLE 12.—Employment and Pay Rolls on Low-Rent Housing Projects Operated by the United States Housing Authority, March 1940

[Subject to revision]

Geographic division	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				
Nine divisions..	33, 445	28, 147	\$2, 895, 069	3, 141, 436	\$0. 922	\$4, 731, 985
New England.....	1, 880	1, 212	123, 711	110, 869	1. 116	207, 102
Middle Atlantic.....	7, 254	6, 028	774, 954	617, 498	1. 255	1, 181, 890
East North Central.....	2, 344	2, 033	276, 534	236, 568	1. 169	358, 460
West North Central.....	195	145	15, 477	17, 497	. 885	11, 507
South Atlantic.....	10, 142	8, 620	750, 740	982, 184	. 764	1, 386, 833
East South Central.....	5, 653	4, 895	450, 325	528, 485	. 852	789, 160
West South Central.....	4, 124	3, 593	374, 203	437, 703	. 855	592, 725
Pacific.....	675	585	73, 322	68, 091	1. 077	105, 370
Outside continental United States.....	1, 178	1, 036	55, 803	142, 541	. 391	98, 938

¹ Maximum employed during any 1 week of the month.

WORK PROJECTS ADMINISTRATION PROGRAM

A record of employment, pay rolls, and man-hours worked on projects financed by the Work Projects Administration in March is shown in table 13, by type of project.

TABLE 13.—Employment and Pay Rolls on Projects Financed by the Work Projects Administration, March 1940

[Subject to revision]

Type of project	Wage earners		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	Weekly average				
	Federal agency projects					
All projects.....	¹ 94, 326	89, 840	\$4, 354, 333	10, 449, 562	\$0. 417	\$547, 113
Airport construction (exclusive of buildings).....	6, 235	6, 196	99, 663	361, 000	. 276	7, 798
Building construction.....	39, 550	36, 199	1, 899, 389	4, 378, 823	. 434	246, 643
Electrification.....	54	54	2, 416	6, 171	. 392	732
Forestry.....	9, 215	9, 205	428, 179	1, 043, 922	. 410	41, 734
Grade-crossing elimination ²	109	88	5, 869	13, 130	. 447	2, 476
Hydroelectric-power plants ³	1, 256	1, 151	47, 695	200, 143	. 238	24, 624
Plant, crop, and livestock conservation.....	7, 625	7, 561	402, 492	871, 477	. 462	41, 945
Professional, technical, and clerical.....	5, 283	5, 177	376, 712	637, 095	. 591	14, 644
Public roads ⁴	348	288	20, 757	33, 820	. 614	445
Reclamation.....	15, 533	15, 300	736, 376	1, 836, 918	. 401	87, 121
River, harbor, and flood control.....	477	437	25, 950	54, 430	. 477	3, 404
Streets and roads.....	2, 319	2, 112	101, 177	276, 196	. 366	4, 999
Water and sewerage.....	623	590	19, 465	68, 447	. 284	13, 004
Miscellaneous.....	5, 699	5, 482	188, 193	667, 990	. 282	57, 544
	Projects operated by Work Projects Administration ⁴					
All projects.....	⁵ 2, 212, 239	.....	\$120,684,852	279, 097, 637	\$0. 432	(⁶)

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

² These data are for projects under the jurisdiction of the Public Roads Administration.

³ These data are for projects under construction in Puerto Rico.

⁴ Data are for the calendar month. Will be published by type of project in April pamphlet.

⁵ Represents number of names on pay roll as of Mar. 27, 1940.

⁶ Data on a monthly basis are not available.

A record of employment, pay rolls, and man-hours worked on projects operated by the Work Projects Administration in February is shown in table 14, by type of project.

TABLE 14.—Employment and Pay Rolls on Projects Operated by the Work Projects Administration, by Type of Project, February 1940

[Subject to revision]

Type of project	Number employed ¹	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour
All projects.....	2, 249, 912	\$111, 474, 813	255, 936, 315	\$0. 436
Conservation.....	86, 939	4, 250, 252	9, 861, 853	. 431
Highway, road, and street.....	988, 983	42, 197, 186	106, 501, 343	. 396
Professional, technical, and clerical.....	355, 251	22, 049, 804	44, 029, 892	. 501
Public buildings.....	158, 055	8, 895, 837	18, 138, 893	. 490
Publicly owned or operated utilities.....	237, 176	12, 055, 106	26, 689, 481	. 452
Recreational facilities.....	121, 789	6, 569, 316	14, 048, 310	. 468
Sanitation and health.....	38, 573	1, 779, 644	4, 434, 646	. 401
Sewing, canning, and gardening, etc.....	186, 184	8, 752, 363	22, 864, 753	. 383
Transportation.....	22, 652	1, 297, 836	2, 549, 826	. 509
Not elsewhere classified.....	54, 310	3, 627, 469	6, 817, 318	. 532

¹ Data are as of Feb. 28, 1940.

NATIONAL YOUTH ADMINISTRATION

Employment and pay rolls on the National Youth Administration projects for March and February 1940 are shown in table 15.

TABLE 15.—Employment and Pay Rolls on National Youth Administration Projects, March and February 1940

[Subject to revision]

Type of project	Number of employees		Amount of pay rolls	
	March	February	March	February
Total.....	809, 767	791, 512	\$9, 538, 283	\$9, 255, 577
Student work program.....	473, 485	455, 510	3, 273, 980	3, 111, 205
Out-of-school work program.....	336, 282	336, 002	6, 264, 303	6, 144, 372

CIVILIAN CONSERVATION CORPS

Employment and pay rolls in the Civilian Conservation Corps in March and February 1940 are presented in table 16.

TABLE 16.—Employment and Pay Rolls in the Civilian Conservation Corps, March and February 1940 ¹

[Subject to revision]

Group	Number of employees		Amount of pay rolls	
	March	February	March	February
All groups..	306, 019	336, 861	\$13, 714, 184	\$14, 663, 271
Enrolled personnel ² ..	269, 533	300, 533	8, 381, 249	9, 334, 158
Nurses ³	243	264	32, 864	36, 482
Educational advisers ³	1, 595	1, 597	267, 155	270, 502
Supervisory and technical ³ ..	34, 648	34, 467	5, 032, 916	5, 022, 129

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

² March data include 4,173 enrollees and pay roll of \$90,578 outside continental United States; in February the corresponding figures were 4,611 enrollees and pay roll of \$100,839.

³ Included in executive service, table 9.

CONSTRUCTION PROJECTS FINANCED BY RECONSTRUCTION FINANCE CORPORATION

Statistics of employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation in March are presented in table 17, by type of project.

TABLE 17.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, March 1940 ¹

[Subject to revision]

Type of project	Maximum number of wage earners ²	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
All projects..	2, 302	\$264, 600	268, 584	\$0. 985	\$478, 216
Building construction ³ ..	2, 027	224, 953	225, 889	. 996	455, 777
Streets and roads.....	26	2, 350	2, 419	. 971	3, 930
Water and sewerage..	249	37, 297	40, 276	. 926	18, 509

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 992 employees; pay-roll disbursements of \$131,405; 118,956 man-hours worked; and material orders placed of \$153,744 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 March are given in table 18, by type of project.

TABLE 18.—*Employment and Pay Rolls on Construction Projects Financed From Regular Federal Appropriations, by Type of Project, March 1940*¹

[Subject to revision]

Type of project	Number of wage earners		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 ²	Weekly average				
All projects.....	³ 220, 310	203, 928	\$22, 958, 657	29, 158, 276	\$0. 787	\$41, 210, 612
Building construction.....	22, 087	18, 114	1, 821, 162	1, 946, 370	. 936	5, 373, 489
Electrification:						
Rural Electrification Administration projects ⁴	9, 626	7, 709	493, 815	923, 785	. 535	3, 172, 065
Other than R. E. A. projects.....	200	149	8, 597	13, 031	. 660	68, 291
Forestry.....	19	19	1, 000	2, 500	. 391	701
Heavy engineering.....	136	114	18, 106	14, 324	1. 264	119
Public roads ⁴	(⁶)	38, 392	3, 029, 098	5, 082, 424	. 596	3, 446, 215
Reclamation.....	22, 028	20, 504	2, 912, 020	3, 159, 559	. 922	4, 958, 784
River, harbor, and flood control:						
Dredging, dikes, revetments, etc.....	22, 291	19, 521	2, 075, 320	3, 129, 650	. 663	2, 734, 442
Locks and dams.....	6, 386	5, 669	743, 222	906, 718	. 820	427, 584
Ship construction:						
Naval vessels.....	69, 287	66, 863	9, 216, 594	10, 521, 254	. 876	14, 496, 348
Other than naval vessels.....	21, 419	19, 090	2, 015, 308	2, 463, 661	. 818	4, 380, 479
Streets and roads.....	2, 205	1, 999	175, 653	265, 671	. 661	215, 322
Water and sewerage.....	258	196	17, 281	20, 868	. 828	22, 482
Miscellaneous.....	7, 976	7, 589	431, 481	708, 401	. 609	1, 914, 291

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-ROAD PROJECTS

A record of employment and pay-roll disbursements on the construction and maintenance of roads financed wholly from State or local funds in March 1940, compared with February 1940, and March 1939, is presented in table 19.

TABLE 19.—*Employment and Pay Rolls on Construction and Maintenance of State Roads, March 1940, February 1940, and March 1939*¹

[Subject to revision]

Item	Number of employees ²			Pay-roll disbursements		
	March 1940	February 1940	March 1939	March 1940	February 1940	March 1939
Total.....	126, 934	136, 137	121, 506	\$9, 728, 964	\$9, 598, 787	\$8, 768, 020
New roads.....	22, 625	15, 812	11, 063	1, 596, 484	1, 596, 126	716, 230
Maintenance.....	104, 309	120, 325	110, 533	8, 132, 480	8, 548, 661	8, 051, 790

¹ Projects financed wholly from State or local funds. March and February 1940 data are for the calendar month; March 1939 for the month ending on the 15th.

² Average number working during month.

PURCHASES FROM PUBLIC FUNDS ¹

The value of material orders placed on construction projects financed by Federal funds in the first quarter of 1940 is presented in table 20.

In the first quarter of 1940 on the Public Works Administration program, orders were placed for materials valued at approximately \$63,129,000. Of this amount \$19,336,000 was expended for iron and steel products, \$12,922,000 for machinery, \$12,458,000 for forest products, and \$4,804,000 for cement and concrete products.

Previous sections of this report have shown the number of workers employed at the site of construction projects financed from Federal funds. The direct employment, however, is only a partial picture, as the manufacture of the materials used on the projects also creates a large amount of employment.

Estimates have been made of the man-months of labor created in fabricating the materials used on the various programs (see table 3). The estimates include only the labor required in the fabrication of materials in the form in which it is to be used. No estimate is made of the labor required in producing the raw materials or in transporting them to the point of manufacture. In manufacturing structural steel, for example, the only labor included is that occurring in the fabricating mills; no estimate is made for the labor created in mining, smelting, and transporting the ore; nor for the labor in blast furnaces, the open-hearth furnaces, and the blooming mills.

The information concerning man-months of labor created in fabricating materials is obtained by sending a questionnaire to each firm receiving an award for materials to be financed from Federal or State funds. The manufacturer is requested to make an estimate of the number of man-hours created in his plant in manufacturing the materials specified in the contract. For materials purchased directly by contractors the Bureau estimates the man-months of labor created. This estimate is based upon the findings of the Census of Manufactures, 1937.

¹ Unless otherwise specified, data presented in this section are as of the 15th of the month.

TABLE 20.—*Value of Material Orders Placed on Construction Projects Financed by Federal Funds for the First Quarter of 1940*

[Subject to revision]

Type of material	Projects				
	Public Works Administration ¹	U. S. H. A. low-rent housing	Reconstruction Finance Corporation ²	Regular Federal	Federal agency projects financed from W. P. A. funds ³
All materials.....	\$63, 128, 873	\$14, 901, 956	\$1, 378, 821	\$112, 944, 887	\$1, 764, 666
Textiles and their products.....	469, 943	81, 936	1, 538	115, 950	7, 411
Awnings, tents, canvas, etc.....	5, 258	1, 083	.....	30, 475	363
Carpets and rugs.....	79, 619	.....	812	.....	.....
Cordage and twine.....	4, 094	96	8	36, 645	1, 457
Cotton products.....	1, 361	.....	.....	402	.....
Felt products.....	2, 035	483	1	620	84
Jute products.....	1, 744	21	.....	.....	445
Linoleum and asphalted-felt-base floor covering.....	257, 968	79, 418	185	11, 958	2, 704
Sacks and bags, other than paper.....	590	.....	.....	433	41
Waste and related products.....	346	241	.....	2, 028	205
Textiles and their products, n. e. c.....	116, 928	594	532	33, 359	2, 112
Forest products.....	12, 457, 826	1, 317, 477	104, 001	5, 068, 597	213, 052
Cork products.....	107, 559	581	1, 366	5, 850	.....
Furniture and related products.....	9, 614, 628	46, 043	24, 812	554, 321	3, 336
Lumber and timber products, n. e. c.....	1, 387, 354	661, 496	57, 197	3, 445, 086	179, 417
Planing-mill products.....	1, 259, 527	592, 646	20, 621	1, 049, 676	30, 080
Window and door screens and weatherstrip.....	87, 943	16, 667	5	4, 773	10
Forest products, n. e. c.....	815	54	.....	8, 891	209
Chemicals and allied products.....	787, 300	132, 447	13, 433	851, 623	115, 408
Compressed and liquefied gases.....	28, 198	2, 278	1, 261	32, 663	1, 895
Explosives.....	385, 063	1, 200	1, 242	469, 378	14, 224
Paints, pigments, and varnishes.....	369, 095	126, 451	10, 756	332, 319	54, 450
Chemicals and allied products, n. e. c.....	14, 944	2, 618	174	17, 263	44, 639
Stone, clay, and glass products.....	11, 728, 280	4, 108, 403	159, 600	14, 656, 437	300, 430
Asbestos products, n. e. c.....	20, 249	32, 264	520	32, 725	789
Brick, hollow tile, and other clay products, n. e. c.....	1, 534, 077	1, 300, 668	27, 481	300, 730	16, 084
Cement.....	2, 168, 612	451, 114	29, 719	5, 850, 320	139, 321
Concrete products.....	2, 635, 025	1, 310, 948	37, 410	1, 071, 627	55, 584
Crushed stone.....	559, 498	55, 136	.....	2, 468, 247	25, 633
Glass.....	300, 940	52, 521	15, 189	153, 979	2, 256
Lime.....	28, 452	53, 720	120	2, 698	1, 585
Marble, granite, slate, and other stone, cut and shaped.....	1, 223, 400	65, 255	510	784, 371	10, 857
Minerals and earths, ground or otherwise treated.....	794	404	.....	1, 918	.....
Sand and gravel.....	1, 210, 364	211, 833	14, 140	2, 864, 538	30, 740
Steam and other packing, pipe and boiler covering, and gaskets.....	318, 271	135, 372	13, 833	60, 918	660
Tiling, floor and wall, and terrazzo.....	754, 811	57, 750	2, 474	304, 569	4, 079
Wall plaster, wallboard, and building insulation.....	656, 749	355, 876	5, 241	735, 351	11, 833
Stone, clay, and glass products, n. e. c.....	317, 108	25, 542	12, 286	24, 446	1, 009
Iron and steel and their products, not including machinery.....	19, 335, 691	5, 812, 353	418, 086	31, 485, 279	354, 661
Bolts, nuts, washers, and rivets.....	127, 578	1, 795	4, 145	836, 026	5, 839
Doors, shutters, window sash and frames, moulding and trim, metal.....	953, 194	1, 123, 313	44, 552	1, 583, 201	4, 827
Forgings, iron and steel.....	196, 785	.....	11, 611	2, 347, 448	6, 750
Hardware, miscellaneous.....	786, 377	258, 534	28, 588	672, 525	51, 256
Heating and ventilating equipment, except pipe.....	2, 426, 767	558, 647	48, 040	1, 563, 240	10, 414
Nails and spikes.....	64, 327	2, 640	1, 312	59, 422	5, 359
Pipe and fittings, cast-iron.....	748, 974	390, 745	16, 431	615, 556	38, 817
Pipe and fittings, wrought-iron and steel.....	1, 700, 182	417, 374	108, 138	1, 751, 382	28, 306
Plumbing fixtures and supplies, except pipe.....	1, 161, 033	885, 199	53, 360	612, 276	27, 698
Rail fastenings, except spikes.....	.....	3, 809	.....	.....	.....
Rails, steel.....	112, 912	.....	.....	6, 681	.....

See footnotes at end of table.

TABLE 20.—*Value of Material Orders Placed on Construction Projects Financed by Federal Funds for the First Quarter of 1940—Continued*

Type of material	Projects				
	Public Works Administration ¹	U. S. H. A. low-rent housing	Reconstruction Finance Corporation ²	Regular Federal	Federal agency projects financed from W. P. A. funds ³
Iron and steel, etc.—Continued.					
Springs, steel.....	\$424				
Steel, reinforcing.....	1,447,169	\$985,166	\$20,026	\$1,764,088	\$88,906
Steel, structural.....	7,775,261	600,571	52,707	13,664,008	31,786
Stoves and ranges, other than electric..	37,280	283,461		41,553	88
Tools, other than machine tools.....	253,522	8,427	2,735	349,954	16,237
Wire and wireworks products.....	272,364	59,804	8,598	979,490	27,824
Iron and steel and their products, n. e. c.....	1,267,733	236,677	17,843	4,638,435	10,554
Nonferrous metals and their products.....	1,185,756	659,671	209,771	1,184,712	12,479
Aluminum products.....	88,808	6,087	289	139,340	
Copper products.....	230,109	389	180,869	456,817	1,977
Lead products.....	19,052	1,763	152	6,429	14
Sheet-metal products.....	774,628	234,342	28,335	550,823	9,633
Zinc products.....	509				
Nonferrous metals and their products, n. e. c.....	74,650	417,090	126	31,303	855
Machinery, not including transportation equipment.....	12,921,932	1,038,418	439,476	51,588,138	153,521
Electrical machinery, apparatus, and supplies.....	3,551,928	15,598	62,863	10,995,171	25,509
Electrical wiring and fixtures.....	3,010,578	757,823	118,456	6,256,496	26,108
Elevators and elevator equipment.....	750,983	50,136	2,900	348,575	9,543
Engines, turbines, tractors, and waterwheels.....	843,574	618	31,028	16,789,451	16,889
Machine tools.....	328,647	33	5,362	654,624	1,958
Meters (gas, water, etc.) and gas generators.....	51,390	2,499		1,571	
Pumps and pumping equipment.....	505,524	61,836		2,291,663	6,213
Radio apparatus and supplies.....	37,872		14,450	41,935	24
Refrigerators and refrigerating and ice-making apparatus.....	242,589			109,952	286
Machinery, n. e. c.....	3,598,847	149,875	204,417	14,098,700	66,991
Transportation equipment—air, land, and water.....	224,694	7,902	1,050	334,755	30,366
Aircraft.....				49,455	
Boats, steel and wooden.....	2,258			131,562	101
Carriages and wagons.....	3,993	226		534	
Locomotives, steam.....	64,316				
Motorcycles and parts.....	3,508				
Motor vehicles, passenger.....	5,651			56,206	1,149
Motor vehicles, trucks.....	128,302	7,676	1,050	49,338	10,852
Transportation equipment, n. e. c.....	16,666			47,660	18,264
Miscellaneous.....	4,017,451	1,743,349	31,866	7,659,396	577,338
Belting, miscellaneous.....	1,009		5	59,375	2
Coal and coke.....	166,154	12,390	721	102,383	3,140
Creosote.....	4			172	268
Instruments, professional and scientific.....	333,861	822		326,786	471
Mattresses and bed springs.....	76,250		623	29	88
Models and patterns.....	3,961		8	349	
Paper products.....	6,056	9,245	192	19,930	550
Paving materials: Asphalt, tar, crushed slag, and mixtures.....	372,195	1,552	2,428	663,695	18,834
Petroleum products.....	743,517	126,945	6,700	2,572,429	74,104
Photographic apparatus and supplies.....	217,910	300	15	12,455	1,341
Roofing: Built-up and roll, asphalt shingles and roof coatings, except paint.....	210,276	190,371	5,943	82,913	21,057
Rubber products.....	154,332	4,352	504	145,680	3,902
Theatrical scenery and stage equipment.....	110,775	356			
Window shades and fixtures.....	50,948	28,822	182	933	216
Other materials.....	1,570,203	1,368,194	14,545	3,672,267	453,365

¹ Includes material orders placed on Public Works Administration projects financed by the Emergency Relief Appropriation Acts of 1935, 1936, and 1937, and P. W. A. A. 1938 funds. Data on low-rent housing projects financed from N. I. R. A. and E. R. A. A. 1935 funds are also included.

² Includes projects financed by RFC Mortgage Co.

³ Includes projects financed by transfer of W. P. A. funds to other Federal agencies under sec. 3, E. R. A. A. 1938, and sec. 11-A, E. R. A. A. 1939.

Table 21 shows the value of material orders placed on construction projects financed by Federal funds during the fourth quarter of 1939 by type of project.

TABLE 21.—*Value of Material Orders Placed on Construction Projects Financed by Federal Funds for the Fourth Quarter of 1939*

[Subject to revision]

Type of material	Total	Projects					
		Public Works Administration ¹	U. S. H. A. low-rent housing	Reconstruction Finance Corporation ²	Regular Federal	Federal agency projects financed from W. P. A. funds ³	Operated by W. P. A.
All materials.....	\$345,227,201	\$110,913,497	\$16,891,497	\$1,289,226	\$134,126,867	\$2,108,895	\$79,897,219
Textiles and their products.....	7,081,348	522,500	42,451	102	135,634	10,325	6,370,336
Forest products.....	32,576,950	17,697,575	1,827,747	69,403	6,316,463	227,615	6,438,147
Furniture and related products.....	13,082,759	12,320,284	98,197	3,368	514,525	6,886	139,499
Lumber and timber products, n. e. c.....	14,722,470	2,609,080	1,013,341	48,456	4,566,670	186,275	6,298,648
Forest products, n. e. c.....	4,771,721	2,768,211	716,209	17,579	1,235,268	34,454	0
Chemicals and allied products.....	6,269,268	2,759,137	150,299	6,601	1,060,681	77,522	2,215,028
Paints, pigments, and varnishes.....	2,153,045	655,510	132,314	4,376	355,109	41,438	964,298
Other chemicals.....	4,116,223	2,103,627	17,985	2,225	705,572	36,084	1,250,730
Stone, clay, and glass products.....	89,808,471	26,356,502	5,220,107	138,369	28,670,975	520,202	28,902,316
Brick, hollow tile, and other clay products.....	9,510,220	4,422,426	1,414,920	26,942	445,573	21,209	3,179,150
Cement.....	25,214,489	4,709,184	484,062	57,423	11,826,653	205,779	7,931,388
Concrete products.....	13,146,401	5,816,105	2,026,330	17,425	1,131,881	29,045	4,125,615
Crushed stone.....	11,887,534	1,334,374	58,090	579	4,643,769	133,262	5,717,460
Sand and gravel.....	16,877,466	2,803,480	237,339	16,350	8,229,146	55,979	5,535,172
Other stone, clay, and glass products.....	13,172,361	7,270,933	999,366	19,650	2,393,953	74,928	2,413,531
Iron and steel and their products, not including machinery.....	83,725,905	36,291,632	5,696,456	417,004	27,744,540	397,140	13,179,133
Heating and ventilating equipment.....	7,873,312	5,220,778	564,712	34,439	1,203,128	17,538	832,717
Pipe and fittings, cast-iron.....	7,394,731	3,143,699	425,930	14,583	905,531	32,046	2,872,942
Plumbing supplies, n. e. c.....	5,085,848	2,175,551	865,841	49,725	918,919	38,216	1,037,506
Structural and reinforcing steel.....	34,709,600	16,525,777	1,933,395	62,461	13,370,516	118,114	2,699,337
Tools, other than machine tools.....	1,233,501	254,136	12,563	4,294	285,346	15,357	661,805
Other products of iron and steel.....	27,428,913	8,971,691	1,894,015	251,502	11,061,100	175,869	5,074,736

Nonferrous metals and their products.....	3,677,512	1,855,997	545,837	12,656	869,063	16,383	377,576
Machinery, not including transportation equipment...	80,653,981	17,602,596	1,383,211	614,358	57,199,530	208,224	3,646,062
Electrical machinery, apparatus, and supplies...	19,278,174	4,666,270	113,630	77,554	12,953,236	33,528	1,433,956
Engines, turbines, tractors, and water wheels...	16,578,354	715,586	178	0	15,821,565	10,363	30,662
Other machinery.....	44,797,453	12,220,740	1,269,403	536,804	28,424,729	164,333	2,181,444
Transportation equipment—air, land, and water.....	1,110,276	212,484	0	0	282,843	32,376	582,573
Motor vehicles, trucks.....	783,377	141,172	0	0	44,963	14,669	582,573
Other transportation equipment...	326,899	71,312	0	0	237,880	17,707	0
Miscellaneous.....	40,323,490	7,615,074	2,025,389	30,733	11,847,138	619,108	18,186,048
Coal and coke.....	749,031	131,250	2,601	2	418,282	15,372	181,524
Paving materials and mixtures...	13,236,449	1,231,869	2,218	557	1,566,359	33,651	10,401,795
Petroleum products.....	8,807,325	1,668,474	102,781	8,722	4,632,295	92,571	2,302,482
Rubber goods.....	564,191	198,938	1,265	64	127,627	2,905	233,392
Other materials.....	16,966,494	4,384,543	1,916,524	21,388	5,102,575	474,609	5,066,855

¹ Includes material orders placed on Public Works Administration projects financed by the Emergency Relief Appropriation Acts of 1935, 1936, and 1937, and P. W. A. A. 1938 funds. Data on low-rent housing projects financed from N. I. R. A. and E. R. A. A. 1935 funds are also included.

² Includes projects financed by RFC Mortgage Co.

³ Includes projects financed by transfer of W. P. A. funds to other agencies under sec. 3, E. R. A. A. 1938, and sec. 11-A, E. R. A. A. 1939.

Rentals and services on projects operated by the Work Projects Administration for the fourth quarter of 1939, the third quarter of 1939, and the fourth quarter of 1938 are shown in table 22, by type of rental and service.

TABLE 22.—*Rentals and Services on Projects Operated by Work Projects Administration*
[Subject to revision]

Type of rental and service	Fourth quarter of 1939 ¹	Third quarter of 1939 ²	Fourth quarter of 1938 ³
All rentals and services.....	\$58, 664, 517	\$59, 344, 055	\$65, 318, 550
Motor vehicles.....	22, 860, 545	23, 962, 891	30, 733, 795
Teams and wagons.....	430, 062	473, 936	916, 090
Paving, road building, and construction equipment..	19, 502, 086	20, 591, 497	21, 503, 792
Other equipment (including office equipment).....	1, 642, 517	1, 592, 435	1, 566, 397
Other rentals and services.....	14, 229, 307	12, 723, 296	10, 598, 476

¹ Quarterly period ending December 31, 1939.

² Revised. Quarterly period ending September 30, 1939.

³ Quarterly period ending December 31, 1938.

In connection with the administration of the Public Contracts Act the Bureau of Labor Statistics has been collecting data on supply contracts awarded by Federal agencies of the United States for the manufacture or furnishing of materials, supplies, articles, and equipment in any amount exceeding \$10,000. The first public contracts were awarded under the act in September 1936.

Table 23 shows the value of public contracts awarded under the act for supplies during the first quarter of 1940, the fourth quarter of 1939, and the first quarter of 1939.

TABLE 23.—*Value of Supply Contracts Awarded by the Federal Government, Which Contain Agreements to Comply With the Public Contracts Act, by Type of Material*

[Subject to revision]

Type of materials	Value of contracts awarded		
	First quarter of 1940	Fourth quarter of 1939 ¹	First quarter of 1939 ¹
All materials.....	\$50, 518, 048	\$167, 719, 518	\$136, 853, 320
Food and kindred products.....	1, 723, 272	3, 790, 887	1, 486, 504
Canning and preserving: Fruits and vegetables.....	229, 870	1, 122, 935	60, 616
Canning and preserving: Sea foods.....		66, 686	
Cereal preparations.....		31, 072	14, 452
Coffee and tea.....	393, 522	441, 202	319, 472
Condensed and evaporated milk.....	292, 798	340, 151	104, 525
Feeds, prepared, for animals and fowls.....	54, 755	204, 373	152, 358
Flour and other grain-mill products.....	205, 685	179, 043	111, 459
Meat-packing products.....	141, 300	358, 665	163, 651
Shortening and vegetable cooking oil.....		183, 519	
Sugar.....	137, 666	334, 171	207, 681
Miscellaneous subsistence stores and supplies.....	267, 676	529, 070	352, 290
Textiles and their products.....	4, 653, 281	21, 478, 830	6, 721, 580
Awnings, tents, sails, and canvas covers.....	100, 508	509, 848	42, 667
Clothing (overcoats, suits, trousers, etc.).....	1, 111, 184	1, 782, 089	
Clothing, manufacture only ²	12, 920	63, 000	77, 630
Cordage and twine, including thread.....	74, 450	229, 801	16, 604
Cotton gloves.....			
Cotton goods (drills, prints, sheeting, etc.).....	632, 765	5, 465, 140	3, 790, 594
Cotton shirts.....	195, 120	150, 000	40, 500
Furnishing goods, men's, n. e. c.....	301, 958	1, 327, 355	627, 331
Housefurnishing goods (pillow cases, sheets, etc.).....	62, 191	631, 180	249, 837
Knit goods (hosiery, underwear, etc.).....	688, 893	1, 474, 373	462, 929
Linoleum.....		72, 934	
Woolen goods (flannels, suiting, etc.).....	600, 545	8, 214, 199	470, 928
Work clothing.....	83, 285	735, 284	178, 491
Miscellaneous textile products.....	789, 462	823, 627	764, 069
Forest products.....	1, 028, 613	2, 042, 057	607, 963
Cork and cork products.....		114, 845	
Furniture.....	10, 701	463, 400	25, 075
Lumber and timber products, n. e. c.....	949, 802	841, 965	479, 061
Planing-mill products.....		376, 295	82, 420
Treated lumber and timber.....	68, 110	97, 619	11, 118
Miscellaneous forest products.....		147, 933	10, 289
Chemicals and allied products.....	2, 192, 905	7, 078, 939	3, 016, 101
Ammunition and related products.....	44, 516	993, 351	170, 018
Compressed and liquefied gases.....			36, 280
Drugs and medicines.....	589, 305	184, 266	509, 081
Explosives.....	72, 554	2, 837, 742	187, 218
Linseed oil.....	68, 447		107, 568
Paints and varnishes.....	230, 284	285, 655	500, 209
Soap and soap chips.....	281, 151	161, 888	163, 331
Miscellaneous chemicals.....	906, 648	2, 616, 037	1, 342, 396
Products of asphalt, coal, and petroleum.....	1, 422, 912	13, 493, 449	4, 478, 691
Asphalt, oil, tar, and mixtures.....	102, 398	527, 742	427, 887
Coal and coke.....	261, 273	661, 991	167, 007
Fuel oil.....	149, 096	5, 264, 026	907, 710
Gasoline.....	758, 180	6, 732, 919	2, 741, 063
Lubricating oils and greases.....		108, 264	43, 884
Miscellaneous coal and petroleum products.....	151, 965	198, 507	191, 140

¹ Revised.² Labor only. Materials furnished by United States Government.

TABLE 23.—Value of Supply Contracts Awarded by the Federal Government, Which Contain Agreements to Comply With the Public Contracts Act, by Type of Material—Continued

Type of materials	Value of contracts awarded		
	First quarter of 1940	Fourth quarter of 1939	First quarter of 1939
Leather and its manufactures.....	\$1,395,033	\$2,061,457	\$14,310
Boots and shoes.....	744,486	2,326,964	—
Boot and shoe cut stock.....	98,681	—	—
Gloves.....	369,827	499,596	—
Shoe-upper leather.....	142,500	23,190	14,310
Miscellaneous leather goods.....	39,539	211,707	—
Stone, clay, and glass products.....	1,245,607	3,313,624	4,206,743
Brick.....	56,059	44,823	65,350
Cement.....	699,482	1,656,646	1,975,107
Concrete pipe.....	13,289	28,305	562,222
Concrete, ready-mixed.....	35,865	121,460	354,924
Crushed stone.....	21,710	184,580	82,042
Glass.....	21,476	148,968	32,037
Granite and marble.....	52,264	10,930	149,138
Riprap stone.....	—	131,319	261,570
Sand and gravel.....	140,505	248,276	586,723
Soil, black earth.....	23,500	—	64,230
Terra cotta.....	—	—	37,370
Tile, clay, including drain.....	—	29,940	14,100
Vitrified clay and terra-cotta pipe.....	12,000	63,421	94,434
Miscellaneous stone, clay, and glass products.....	169,457	650,956	128,496
Iron and steel and their products, not including machinery.....	6,652,561	10,164,709	5,773,239
Bolts, nuts, rivets, washers, etc.....	248,495	64,006	43,234
Cast-iron pipe and fittings.....	263,237	212,775	187,772
Fencing materials.....	—	10,693	26,447
Firearms.....	134,531	224,139	—
Forgings, iron and steel.....	1,485,630	221,312	665,879
Hardware, miscellaneous.....	14,864	12,143	13,726
Metal doors, sash, and frames.....	60,641	179,992	53,622
Metal furniture.....	118,836	864,752	208,163
Metal shingles and roofing.....	23,001	43,961	13,460
Pipe and fittings, n. e. c.....	21,631	—	—
Plumbing fixtures and supplies.....	81,050	12,115	—
Rails, steel.....	69,164	375,062	224,671
Railway tie plates.....	—	88,872	—
Reinforcing steel.....	715,830	1,264,161	482,786
Steel pipe and fittings.....	353,300	476,102	193,331
Steel sheets, plates, shapes, and strips.....	607,141	1,051,073	1,298,703
Stoves and ranges, other than electric.....	116,873	95,398	38,554
Structural steel, fabricated, and sheet-steel piling.....	223,247	796,340	924,438
Tools, other than machine tools.....	197,678	219,751	13,850
Wire products.....	218,650	344,472	146,842
Miscellaneous iron and steel products.....	1,698,753	3,607,590	1,237,861
Nonferrous metals and their alloys.....	2,448,912	5,345,065	2,628,851
Aluminum manufactures.....	151,474	769,988	622,723
Brass products.....	469,792	1,679,283	82,189
Bronze products.....	—	345,212	27,524
Copper products.....	301,902	482,569	116,025
Fixtures, gas, and electric.....	81,251	682,757	50,953
Lead products.....	51,486	189,409	—
Magnesium.....	10,571	30,207	—
Nickel.....	25,822	331,080	122,440
Plated ware.....	—	67,305	—
Sheet-metal work.....	—	28,150	22,477
Tin.....	188,528	43,822	80,640
Zinc.....	63,840	—	40,533
Miscellaneous nonferrous metals and alloys.....	1,104,246	695,285	1,463,347

TABLE 23.—Value of Supply Contracts Awarded by the Federal Government, Which Contain Agreements to Comply With the Public Contracts Act, by Type of Material—Continued

Type of materials	Value of contracts awarded		
	First quarter of 1940	Fourth quarter of 1939	First quarter of 1939
Machinery, not including transportation equipment and electrical equipment..	\$6,051,802	\$14,049,090	\$6,442,688
Air-conditioning equipment.....	51,171	168,766	.....
Business machines.....	.....	308,303	51,000
Elevators and elevator equipment.....	.....	546,895	20,850
Engines, turbines, tractors, and parts.....	618,358	3,620,722	856,367
Filter and purification equipment.....	15,960	.....	.....
Laundry machinery and equipment.....	.....	21,450	10,756
Machine tools.....	1,280,163	4,612,370	2,264,848
Power shovels and draglines.....	388,621	252,220	177,606
Printing and publishing machinery.....	36,468	42,209	.....
Pumps and pumping equipment.....	823,161	643,336	1,024,304
Refrigerators and refrigerating and ice-making machinery..	202,845	51,802	67,884
Road machinery.....	52,396	74,269	78,133
Windlasses, winches, and capstans.....	149,771	79,493	96,167
Miscellaneous machinery and parts.....	2,432,888	3,627,255	1,794,773
Electrical machinery, apparatus, and supplies..	4,090,463	8,884,084	4,849,513
Batteries.....	66,339	45,602	.....
Circuit breakers and switches.....	75,983	254,353	811,678
Electric cable, wire, and other conductors..	1,485,741	2,972,760	482,668
Generators and spare parts.....	231,196	416,037	351,091
Heaters and ranges.....	48,000	188,116	40,153
Lamps, incandescent, and X-ray tubes..	10,542	.....	.....
Motors.....	24,513	127,579	131,931
Radio equipment and supplies.....	290,170	1,775,592	987,828
Spark plugs.....	87,589	117,449	.....
Starters.....	.....	19,778	.....
Switchboards, relay and control equipment..	757,263	347,402	370,868
Telephone and telegraph apparatus.....	149,694	1,021,080	186,707
Transformers.....	128,393	633,365	742,514
Welding equipment.....	311,736	35,366	86,737
Miscellaneous electrical machinery, apparatus, and supplies..	423,304	929,605	657,338
Transportation equipment.....	14,101,172	66,099,367	93,773,799
Aircraft.....	.....	36,102,157	5,111,978
Aircraft parts and equipment.....	8,234,112	3,528,622	1,264,672
Boats and boat equipment.....	149,379	545,671	52,430
Motorcycles and parts.....	771,044	.....	.....
Motor vehicles, passenger..	.....	539,607	212,589
Motor vehicles, trucks..	4,612,494	14,804,690	3,262,171
Naval vessels..	.....	1,122,400	79,642,000
Railway cars.....	11,724	1,544,210	.....
Railway locomotives.....	49,818	823,852	.....
Miscellaneous transportation equipment..	272,601	7,088,158	122,521
Miscellaneous.....	3,511,515	8,917,960	2,853,338
Brooms, brushes, bristles, etc.....	72,659	142,612	34,714
Dental goods and equipment.....	.....	214,352	.....
Instruments, professional and scientific..	1,094,968	1,796,597	1,388,211
Office equipment and supplies, n. e. c.....	236,623	89,529	.....
Paper and allied products.....	299,382	3,005,372	256,604
Photographic apparatus and materials.....	657,168	342,188	57,041
Printing, publishing, and subscriptions..	54,861	46,307	35,911
Rubber products.....	114,708	924,964	128,711
Slag.....	36,755	138,708	200,806
Steam and other packing, pipe and boiler covering..	35,271	152,275	.....
Surgical and orthopedic supplies and appliances..	40,211	243,513	75,129
Tobacco manufactures.....	.....	139,706	10,000
Other materials.....	712,482	1,340,313	354,501
Rentals, services, etc. (equipment rental, repairs, aerial surveys, etc.)..	156,427	341,524	311,710

The value of public contracts awarded for supplies by Federal agencies totaled \$50,518,000 during the first quarter of 1940. Of the contracts awarded in the first quarter of 1940 \$14,101,000 was for transportation equipment; \$6,653,000 for iron and steel and their products; \$6,052,000 for machinery; and \$4,653,000 for textiles and their products.

