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**UNITED STATES DEPARTMENT OF LABOR**

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# EMPLOYMENT AND PAY ROLLS

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# *Employment and Pay Rolls*

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## SUMMARY OF REPORTS FOR MAY 1940

### *Total Nonagricultural Employment*

AN INCREASE of approximately 240,000 workers in nonagricultural industries between April and May brought the level of employment in these industries to about 1,000,000 above the corresponding period of last year. In general, the changes in employment among the various industrial groups from April to May were those usually expected at this season. There was a comparatively small net decline of 50,000 wage earners in factories, reflecting seasonal slackening in textile, apparel, and automobile plants. The gains in war-materials industries and in the seasonally active food and building-materials industries were not sufficient to offset these declines. Substantial increases were reported in both public and private construction, with approximately 130,000 more workers employed in May by construction contractors. Wholesale and retail stores took on about 60,000 workers and more employees were engaged in transportation and public utilities, as well as in the maintenance of State highways and in the service industries. In coal mining, employment was about 5,000 lower than in April, but 17,000 greater than last year at this time, when some coal mines were still shut down because of the delay in the signing of new wage agreements.

Increases in employment from April to May occurred in every geographic division except the South Atlantic, where seasonal reduction in Florida resulted in a small net decline for the division as a whole. Increases in the Middle Atlantic and East North Central Divisions accounted for more than half of the total gain.

These figures do not include emergency employment which decreased 197,000, as follows: 173,000 on projects operated by the Work Projects Administration, 22,000 on the out-of-school work program of the National Youth Administration, and 2,000 in the Civilian Conservation Corps.

## *Industrial and Business Employment*

Employment increases from April to May were reported by 44 of the 90 manufacturing industries surveyed and by 13 of the 16 non-manufacturing industries covered. Pay-roll increases were shown by 48 of the manufacturing and 11 of the nonmanufacturing industries. In manufacturing there was a decline of 0.6 percent (50,000 workers) in employment and a decline of 0.1 percent (\$160,000) in weekly pay rolls. The most important development was the continued rapid expansion in the war-materials industries, particularly aircraft, engines, shipbuilding, machine tools, steel, woolen and worsted goods, and explosives. The main level of employment in the majority of manufacturing industries was still below the peak levels of 1937. In the war-materials industries, however, there was a great expansion. For example, employment in shipbuilding showed a gain of 23,800 wage earners (38.2 percent) in May 1940 as compared with the average for 1937, in aircraft manufactures, 41,200 (171.2 percent), in machine-tool factories, 15,400 (32.5 percent), in engine manufacturing, 14,600 (44.4 percent), in aluminum manufactures, 2,800 (11.7 percent), and in factories manufacturing explosives, 1,600 (28.5 percent).

Outside of manufacturing, the principal employment increase in May was in retail stores (1.6 percent or 53,600 workers) particularly in department stores, shops selling general merchandise, limited-price variety stores, and establishments selling lumber and building materials. In wholesale trade, the decline of 0.7 percent or 9,700 workers was primarily of a seasonal character and was due largely to reductions by farm-supply dealers and by dry goods and apparel stores. There were increases, however, in employment by wholesalers dealing in lumber and building materials, other forest products, and iron and steel scrap.

Anthracite mines showed an employment increase of 1.0 percent or nearly 1,000 wage earners, while bituminous-coal mines reduced their forces by 1.4 percent or 6,000 workers. Employment in metal mines showed a gain of 2.3 percent or 1,600 workers reflecting increased activity due to the war situation. In quarries, there was the usual seasonal expansion (2,500 workers). There were small gains in employment in public utilities (5,000), in year-round hotels (2,000), in brokerage offices, and in insurance offices. Laundries showed a seasonal employment expansion of 1.9 percent (4,400) and dyeing and cleaning firms a seasonal gain of 4.0 percent (2,500).

In the private building-construction industries, employment showed a gain of 13.6 percent from April to May and pay rolls an expansion of 19.5 percent. With but one exception, these increases were much larger than the gains shown for May in the past 7 years; in May 1936 the pay-roll gain (20.7 percent) was somewhat larger. Increases were general throughout the country with the largest gains shown in the New England States, in the West North Central States, and in the East North Central States. General contractors expanded their forces 14.7 percent and the special trade-contracting group showed an employment gain of 13.0 percent. The figures for private building construction do not cover construction projects financed by the Works Progress Administration, the Public Works Administration, and the Reconstruction Finance Corporation, or by regular appropriations of the Federal, State, and local governments.

A preliminary report of the Interstate Commerce Commission shows an employment increase by class I railroads of 2.8 percent or nearly 27,900 workers between April and May. The total number employed in May was 1,012,483. Corresponding pay-roll figures were not available when this report was prepared; for April, they were \$155,485,785, a decrease of 1.4 percent since March.

*Hours and earnings.*—The average hours worked per week by manufacturing wage earners were 37.2 in May, a gain of 0.1 percent since April. The corresponding average hourly earnings were 66.9 cents, an increase of 0.5 percent from the preceding month. The average weekly earnings of factory workers were \$25.43, an increase of 0.5 percent since April.

Of the 14 nonmanufacturing industries for which man-hours are available, 10 showed gains in average hours worked per week and 11 showed gains in average hourly earnings. Eleven of the sixteen nonmanufacturing industries surveyed reported gains in weekly earnings.

Employment and pay-roll indexes and average weekly earnings for May 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, May 1940 (Preliminary figures)*

Industry	Employment			Pay roll			Average weekly earnings		
	Index, May 1940	Percentage change from—		Index, May 1940	Percentage change from—		Average in May 1940	Percentage change from—	
		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939
	(1923-25=100)			(1923-25=100)					
All manufacturing industries combined <sup>1</sup> .....	99.0	-0.6	+6.5	96.2	-0.1	+13.2	\$25.43	+0.5	+6.3
Class I steam railroads <sup>2</sup> .....	56.7	+2.8	+5.7	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
	(1929=100)			(1929=100)					
Coal mining:									
Anthracite <sup>4</sup> .....	52.2	+1.0	- .8	40.0	+10.2	-29.9	25.20	+9.0	-29.3
Bituminous <sup>4</sup> .....	84.9	-1.4	+77.2	75.8	+5.1	+271.4	24.14	+6.7	+109.7
Metaliferous mining.....	69.2	+2.3	+11.9	65.9	+3.8	+21.9	29.73	+1.5	+8.9
Quarrying and nonmetallic mining.....	47.1	+5.7	+3.1	42.9	+12.8	+8.2	22.76	+6.7	+5.0
Crude-petroleum production.....	63.1	- .1	-4.5	59.0	- ( <sup>5</sup> )	-3.7	34.22	+ .1	+ .9
Public utilities:									
Telephone and telegraph <sup>6</sup> .....	77.3	+ .8	+2.1	98.5	- .2	+3.0	<sup>7</sup> 31.27	-1.0	+ .9
Electric light and power <sup>6</sup> .....	90.6	+ .7	+2.7	104.5	+1.2	+4.6	<sup>7</sup> 35.18	+ .6	+1.8
Street railways and busses <sup>6</sup> & <sup>8</sup> .....	68.4	+ .1	- .8	69.3	+ .2	+ .6	<sup>7</sup> 33.42	+ .2	+1.4
Trade:									
Wholesale <sup>9</sup> .....	88.7	- .7	+1.7	77.2	- .2	+3.2	<sup>7</sup> 30.49	+ .5	+1.4
Retail <sup>9</sup> .....	91.2	+1.6	+2.7	83.4	+1.3	+4.4	<sup>7</sup> 21.42	- .2	+1.6
Hotels (year-round) <sup>4</sup> & <sup>10</sup> .....	98.4	+ .7	- .6	83.1	- .2	+ .8	<sup>7</sup> 15.45	-1.0	+1.3
Laundries <sup>4</sup> .....	99.1	+1.9	+3.7	88.5	+3.3	+5.5	<sup>7</sup> 18.29	+1.4	+1.7
Dyeing and cleaning <sup>4</sup> .....	108.7	+4.0	+1.6	85.5	+7.4	+3.1	<sup>7</sup> 21.67	+3.3	+1.5
Brokerage.....	( <sup>3</sup> )	+ .4	- .2	( <sup>3</sup> )	- .6	+ .5	<sup>7</sup> 37.37	-1.0	+ .7
Insurance.....	( <sup>3</sup> )	+ .3	+1.2	( <sup>3</sup> )	+ .2	+1.5	<sup>7</sup> 36.87	- .1	+ .3
Building construction.....	( <sup>3</sup> )	+13.6	+5.4	( <sup>3</sup> )	+19.5	+7.0	31.99	+5.2	+1.4

<sup>1</sup> Revised indexes—Adjusted to 1937 Census of Manufactures.

<sup>2</sup> Preliminary—Source: Interstate Commerce Commission.

<sup>3</sup> Not available.

<sup>4</sup> Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of this pamphlet.

<sup>5</sup> Less than one-tenth of 1 percent.

<sup>6</sup> 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.

<sup>7</sup> Average weekly earnings not strictly comparable with figures published in issues of the pamphlet dated earlier than January 1938, or the Monthly Labor Review dated earlier than April 1938 (except for the January figures appearing in the March issue), as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

<sup>8</sup> Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

<sup>9</sup> Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of pamphlet or February 1935 and subsequent issues of Monthly Labor Review.

<sup>10</sup> Cash payments only; the additional value of board, room, and tips cannot be computed.

## Public Employment

A decrease of 1,000 in the number of workers employed during the month ending May 15 on construction projects financed by the Public Works Administration was caused by the completion of a number of projects. Approximately 98,000 men were working on these projects during the month but, in spite of the decrease, pay-roll disbursements of \$9,943,000 were \$25,000 more than in the preceding month.

Contractors on low-rent projects of the United States Housing Authority employed an additional 5,000 building-trades workers during the month ending May 15, bringing the number of persons at work

to 44,000. Wage payments of \$4,618,000 were \$783,000 greater than in April.

Seasonal increases on public road, building construction, and on dredging, dike, and revetment projects, together with a sizeable gain on naval vessel construction in the month ending May 15, resulted in an employment increase of 27,000 on construction projects financed from regular Federal appropriations. Approximately 276,000 workers were employed on all projects financed from regular funds. Pay-roll disbursements of \$30,178,000 were \$3,202,000 more than in April.

Construction projects financed by the Reconstruction Finance Corporation furnished employment to 1,900 workers in the month ending May 15, a reduction of about 200 from the preceding month. Pay-roll disbursements for the month amounted to \$234,000.

Because of increasing employment in other fields and the necessity of striking a balance between the relief program and available funds, employment on work relief projects of the Work Projects Administration was again curtailed in May. The number of persons employed on these projects in May was 1,838,000, a decrease of 173,000 from April. Pay-roll disbursements of \$110,141,000 were \$6,004,000 less than in April. Employment on Federal Agency projects financed by the Work Projects Administration increased from 99,000 in April to 101,000 in May.

The out-of-school work program of the National Youth Administration employed 300,000 persons in May, a decrease of 22,000 from April. Over the same period, the number of students on the rolls of the student work program decreased from 482,000 to 478,000.

Employment in camps of the Civilian Conservation Corps showed a decrease of 2,000 in May. Of the 312,100 on the pay roll, 273,900 were enrollees; 1,550, educational advisers; 250, nurses; and 36,400, supervisory and technical employees.

In the regular services of the Federal Government increases were reported in the executive, judicial, and military services, while a decrease was reported in the legislative service. Of the 978,000 employees in the executive service, 131,000 were working in the District of Columbia, and 847,000 outside the District. Force account employees (employees on the pay roll of the United States Government who are engaged on 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. In the executive service, employment increases were reported in the War, Navy, and Post Office Departments, the Department of the Interior, and the Department of Agriculture, while a slight decrease was reported in the Treasury Department.



The seasonal increase of activity on State-financed road projects in May resulted in 30,000 additional jobs. Of the 175,000 on the pay roll, 49,000 were engaged in the construction of new roads and 126,000 on maintenance. Pay rolls for both types of road work were \$12,920,000.

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

TABLE 2.—*Summary of Federal Employment and Pay Rolls, May and April 1940*<sup>1</sup>

[Preliminary figures]

Class	Employment			Pay rolls		
	May	April	Percent- age change	May	April	Percent- age change
Federal Services:						
Executive <sup>2</sup> .....	977,990	959,146	+2.0	\$149,205,295	\$144,837,840	+3.0
Judicial.....	2,499	2,490	+8	604,457	596,074	+1.4
Legislative.....	5,851	5,882	-.5	1,303,465	1,305,782	-.2
Military.....	464,111	460,969	+7	33,404,769	32,164,921	+3.9
Construction projects:						
Financed by P. W. A. <sup>3</sup> .....	97,621	99,126	-1.5	9,942,607	9,918,076	+.2
U. S. H. A. low-rent housing.....	44,590	38,881	+14.2	4,617,858	3,834,716	+20.4
Financed by R. F. C. <sup>4</sup> .....	1,864	2,051	-9.1	234,089	248,607	-5.8
Financed by regular Federal ap- propriations.....	276,098	248,824	+11.0	30,177,734	26,975,937	+11.9
Federal agency projects financed by Work Projects Administration.....	101,015	99,484	+1.5	4,787,293	4,704,767	+1.8
Projects operated by W. P. A.....	1,837,854	2,010,598	-8.6	110,140,815	116,145,146	-5.2
National Youth Administration:						
Out-of-school program.....	300,105	322,275	-6.9	5,593,894	5,933,159	-5.7
Student work program.....	477,810	481,809	-.8	3,438,029	3,375,847	+1.8
Civilian Conservation Corps.....	312,094	314,394	-.7	14,003,437	14,021,505	-.1

<sup>1</sup> Includes data on projects financed wholly or partially from Federal funds.

<sup>2</sup> Includes force-account and supervisory and technical employees shown under other classifications to the extent of 127,176 employees and pay-roll disbursements of \$17,243,329 for May 1940, and 123,622 employees and pay-roll disbursements of \$16,545,883 for April 1940.

<sup>3</sup> 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 7,735 wage earners and \$767,603 pay roll for May 1940; 7,875 wage earners and \$739,269 pay roll for April 1940, covering Public Works Administration projects financed from Emergency Relief Appropriation Acts of 1935, 1936, and 1937 funds. Includes 88,968 wage earners and \$8,848,178 pay roll for May 1940; 87,252 wage earners and \$8,734,152 pay roll for April 1940, covering Public Works Administration projects financed from funds provided by the Public Works Administration Appropriation Act of 1938.

<sup>4</sup> Includes 362 employees and pay-roll disbursements of \$135,048 for May 1940; 897 employees and pay-roll disbursements of \$133,999 for April 1940 on projects financed by the R.F.C. Mortgage Co.



## DETAILED TABLES FOR MAY 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 are weighted by lines of trade. For the public utilities they have been adjusted to the 1937 census of electrical industries; for wholesale trade to the 1933 census; and for coal mining, year-round hotels, laundries, and dyeing and cleaning to the 1935 censuses.

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

The average weekly earnings shown in tables 3 and 4 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

May 1939 are computed from chain indexes based on the month-to-month percentage changes.

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

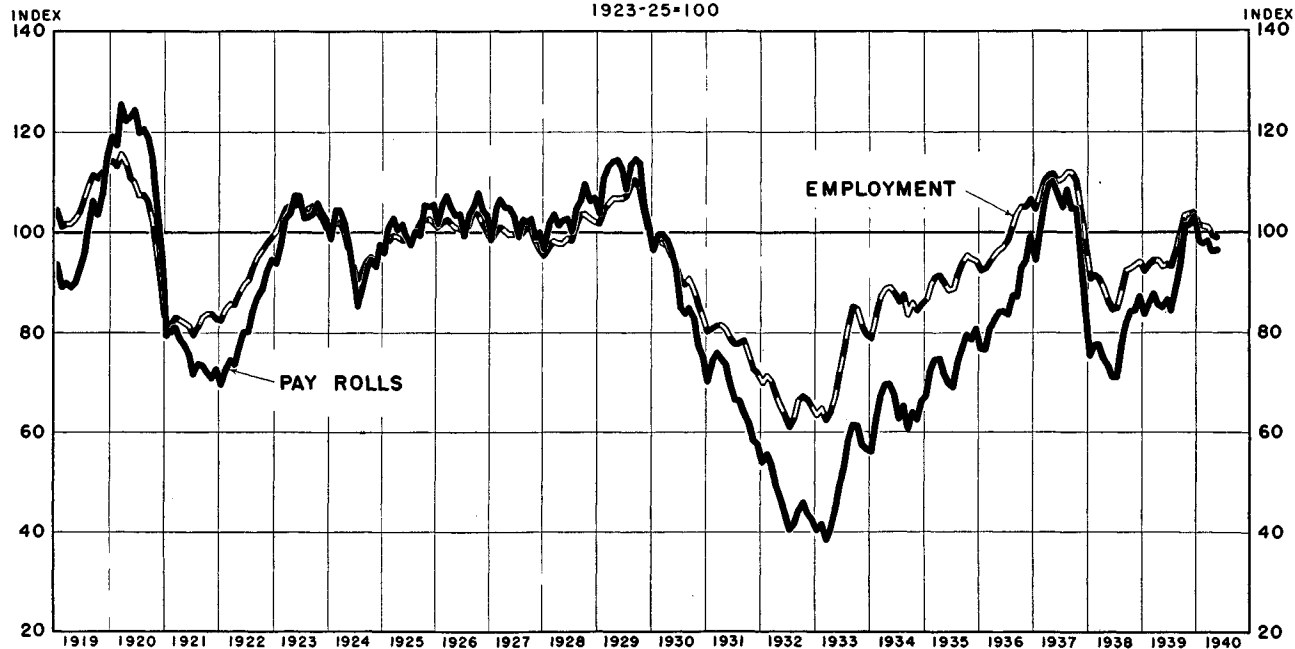
The indexes of employment and pay rolls, as well as average hours worked per week, average hourly earnings, and average weekly earnings in manufacturing and nonmanufacturing industries in May 1940 are shown in table 3. Percentage changes from April 1940 and May 1939 are also given.

The employment and pay-roll indexes, as well as average hours worked per week, average hourly earnings, and average weekly earnings for March, April, and May 1940, where available, are presented in table 4. The March and April 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 5, indexes of employment and pay rolls are given for all manufacturing industries combined, for the durable- and nondurable-goods groups of manufacturing industries, and for each of the 13 non-manufacturing industries, by months, from May 1939 to May 1940, inclusive. The accompanying chart indicates the trend of factory employment and pay rolls from January 1919 to May 1940.

# EMPLOYMENT AND PAY ROLLS ALL MANUFACTURING INDUSTRIES

1923-25=100



UNITED STATES BUREAU OF LABOR STATISTICS

ADJUSTED TO 1937 CENSUS

TABLE 3.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, May 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 <sup>1</sup>			Average hours worked per week <sup>1</sup>			Average hourly earnings <sup>1</sup>		
	Index, May 1940	Percentage change from—		Index, May 1940	Percentage change from—		May 1940	Percentage change from—		May 1940	Percentage change from—		May 1940	Percentage change from—	
		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939
All manufacturing.....	99.0	-0.6	+0.5	98.2	-0.1	+13.2	\$25.43	+0.5	+6.3	37.2	+0.1	+0.9	Cents 68.9	+0.5	+4.3
Durable goods.....	98.4	+4	+14.8	97.5	+3	+23.7	28.80	-2	+7.8	38.2	-1	+3.6	73.0	+1	+3.2
Nondurable goods.....	101.4	-1.6	-2	94.9	-5	+3.3	21.72	+1.1	+3.4	36.3	+3	-1.6	61.5	+8	+4.1
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	101.8	+1	+12.9	97.0	+2.2	+20.9	28.16	+2.1	+7.2	36.6	+1.5	+4.4	76.7	+5	+2.2
Blast furnaces, steel works, and rolling mills.....	108.9	+4	+15.1	102.9	+4.4	+25.1	29.88	+4.0	+8.6	35.5	+3.3	+7.7	84.2	+5	+8
Bolts, nuts, washers, and rivets.....	105.8	-2.7	+12.5	109.3	-4.1	+21.0	24.94	-1.5	+6.4	36.5	-1.4	+8.1	68.4	-1	-1.1
Cast-iron pipe.....	75.8	+1.8	+3.7	66.8	+7.4	-1.3	21.00	+5.5	-4.8	34.6	+5.2	-8.9	60.3	+5	+4.3
Cutlery (not including silver and plated cutlery) and edge tools.....	102.5	-1.3	+17.9	92.0	-1.6	+20.4	23.40	-3	+2.0	38.7	-7	+5	61.4	+3	+1.5
Forgings, iron and steel.....	66.7	-1	+21.6	73.4	-2.2	+29.4	29.90	-2.0	+6.2	38.5	-1.9	+4.8	77.7	-4	+1.2
Hardware.....	95.9	-2.2	+19.7	101.9	-2.0	+31.2	26.14	+2	+9.7	37.8	-9	+2.8	69.2	+1.1	+6.7
Plumbers' supplies.....	81.8	+2	+9.2	72.7	+5	+8.5	25.94	+4	-5	37.1	+6	-3.6	69.8	-2	+3.2
Stamped and enameled ware.....	156.4	-2.0	+7.7	162.1	-8	+13.5	24.67	+1.1	+5.3	38.1	+3	+1.8	64.3	+7	+3.4
Steam and hot-water heating apparatus and steam fittings.....	85.0	+5	+14.2	74.5	-1.6	+22.9	26.77	-2.0	+7.4	37.8	-1.7	+5.8	70.9	-3	+1.9
Stoves.....	91.1	+2	+4.4	84.0	+2.0	+11.4	26.35	+1.8	+6.7	38.4	+1.3	+3.4	68.8	+9	+3.4
Structural and ornamental metalwork.....	71.1	+1.6	+6.8	61.7	+8	+7.6	28.13	-8	+8	38.0	-1.5	-1.7	74.1	+6	+2.4
Tin cans and other tinware.....	95.6	+8	+2.1	100.9	-2	+2.7	24.04	-9	+6	38.6	-7	-1.5	62.2	-3	+2.2
Tools (not including edge tools, machine tools, files, and saws).....	92.0	-1.6	+9.8	90.2	-9	+14.3	24.75	+7	+4.1	39.6	+7	+1.7	62.7	+1	+2.4
Wirework.....	161.1	-3	+10.2	169.7	-2.9	+21.8	26.18	-2.7	+10.6	37.2	-2.1	+4.1	70.7	-6	+6.3

<b>Machinery, not including transportation equipment.</b>	113.9	+3	+20.0	122.3	+6	+30.1	30.11	+4	+8.4	40.5	+(?)	+5.8	74.1	+1	+2.0
Agricultural implements (including tractors)	139.6	-1.3	+13.7	164.0	-1.3	+21.5	31.42	0	+7.1	39.4	+1	+4.9	79.9	-2	+1.8
Cash registers, adding machines, and calculating machines	129.0	+(?)	+1.3	133.5	-3	+9.1	32.58	-3	+7.7	39.7	-3	+6.4	82.4	+1	+1.0
Electrical machinery, apparatus, and supplies	101.9	+3	+17.6	114.3	+1.4	+26.2	30.01	+1.1	+7.3	39.8	+9	+5.5	75.7	+1	+1.9
Engines, turbines, water wheels, and windmills	148.9	+6.3	+52.9	193.8	+5.8	+70.0	34.21	-4	+11.2	43.1	+4	+9.5	79.7	-8	+1.5
Foundry and machine-shop products	96.5	-7	+17.6	94.6	-9	+26.0	29.21	-2	+7.1	40.1	-8	+4.6	73.0	+5	+2.2
Machine tools	221.1	+2.2	+56.6	289.7	+9	+79.5	36.35	-1.3	+14.7	47.5	-9	+12.3	76.6	-4	+2.2
Radios and phonographs	136.5	+6.4	+28.2	126.9	+9.4	+37.5	23.09	+2.8	+7.2	38.2	+3.7	+3.1	60.6	-9	+4.3
Textile machinery and parts	82.2	-3.2	+9.9	77.0	-3.9	+10.3	25.71	-8	+3	39.6	-9	+2.7	65.1	+1	-2.3
Typewriters and parts	113.1	-1.2	-11.0	114.0	+1.6	-10.1	24.73	+2.8	+1.0	38.1	+2.5	+2.7	64.9	+3	-1.7
<b>Transportation equipment</b>	115.0	-3	+28.1	116.6	-4.9	+33.6	32.83	-4.5	+6.0	36.7	-4.2	+5.7	90.2	-1	+7
Aircraft	2,328.2	+7.5	+93.4	2,212.6	+7.3	+91.6	29.69	-2	-9	41.2	-4	-1	73.2	-2	-2
Automobiles	109.8	-2.0	+17.7	111.1	-8.3	+26.2	33.47	-6.4	+7.3	35.4	-6.6	+5.6	94.7	+1	+1.5
Cars, electric and steam-railroad	55.7	-2.9	+52.1	49.9	-4.1	+57.8	28.05	-1.2	+3.7	37.2	-8	+2.0	75.4	-4	+1.7
Locomotives	28.2	+7	+30.8	26.9	+3.1	+36.4	29.31	+2.4	+4.1	37.4	+1.6	+2.1	78.8	+8	+2.0
Shipbuilding	158.2	+3.5	+29.7	180.4	+6.5	+37.5	34.20	+2.9	+5.9	39.5	+2.5	+1.7	86.2	+4	+5.0
<b>Nonferrous metals and their products</b>	105.3	-3	+14.5	103.6	+5	+23.3	27.02	+8	+7.8	38.8	+5	+3.2	70.1	+2	+4.5
Aluminum manufactures	172.9	+8	+21.7	201.5	+1.1	+32.0	28.38	+2	+8.5	39.8	+1	+3.0	71.3	+2	+5.0
Brass, bronze, and copper products	125.5	-3	+19.9	134.2	+1.0	+29.7	29.00	+1.2	+8.1	38.8	+6	+2.0	75.0	+5	+6.2
Clocks and watches and time-recording devices	89.7	+3	+9.2	94.0	+2.6	+20.0	23.25	+2.2	+10.0	38.9	+2.5	+7.2	59.7	-3	+2.0
Jewelry	88.7	-1.5	+6.9	72.6	+6	+9.8	22.84	+2.1	+2.6	37.7	+2.0	+1.8	59.9	+4	+6
Lighting equipment	84.1	-2.1	+10.9	72.4	-2.5	+22.8	27.48	-4	+10.8	38.3	+3	+8.3	71.5	-9	+2.5
Silverware and plated ware	70.4	-4	+2.8	61.3	-2.5	+4.3	25.06	-2.1	+1.2	38.6	-2.3	-1.4	65.1	+1	+2.6
Smelting and refining—copper, lead, and zinc	85.5	-4	+11.4	84.3	-1	+17.1	27.71	+3	+5.2	38.9	-1	+2.4	71.2	+5	+2.7
<b>Lumber and allied products</b>	68.0	+1.6	+4.6	63.3	+3.1	+9.1	20.22	+1.4	+4.4	38.7	+8	-1.1	52.1	+6	+3.8
Furniture	87.3	+1.1	+7.2	74.8	+8	+12.3	20.59	-3	+4.7	38.0	-5	+1.1	54.6	+2	+2.8
<b>Lumber:</b>															
Millwork	60.7	-3	+8.0	47.8	+5	+8.7	22.02	+8	+6	40.3	+6	-1.5	54.8	+(?)	+1.8
Sawmills	61.9	+2.6	+2.9	58.3	+5.3	+7.6	19.43	+2.6	+2.5	38.7	+1.5	-2.0	50.3	+1.1	+4.6
<b>Stone, clay, and glass products</b>	82.0	+1.9	+4.5	74.7	+3.5	+10.3	24.79	+1.6	+5.7	37.1	+1.7	+2.2	66.4	-1	+3.4
Brick, tile, and terra cotta	60.9	+5.0	+5.8	49.2	+9.0	+12.3	20.65	+3.8	+6.1	37.2	+3.8	+1.0	55.1	-2	+4.4
Cement	70.8	+4.5	+4.4	69.2	+8.8	+10.3	27.78	+4.0	+5.7	39.3	+3.0	+4.0	70.6	+1.0	+1.7
Glass	104.4	-9	+7.2	112.0	-2.0	+16.3	26.18	-1.1	+8.5	35.6	-1.0	+4.5	73.9	0	+4.2
Marble, granite, slate, and other products	49.0	+7.5	-8.5	39.1	+13.2	-11.1	27.93	+5.2	-2.8	38.6	+4.7	-2.0	73.2	+5	+4
Pottery	90.6	-2.6	+4.5	84.2	-1.0	+9.2	23.64	+1.6	+4.4	37.5	+1.0	+2.3	63.8	-1	+1.5

See footnotes at end of table.

TABLE 3.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, May 1940—Continued*

## MANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings <sup>1</sup>			Average hours worked per week <sup>1</sup>			Average hourly earnings <sup>1</sup>		
	Index, May 1940	Percentage change from—		Index, May 1940	Percentage change from—		May 1940	Percentage change from—		May 1940	Percentage change from—		May 1940	Percentage change from—	
		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939
Nondurable goods															
Textiles and their products *	95.9	-2.9	-3.3	77.9	-4.3	-2.3	\$16.52	-1.5	+1.1	33.7	-1.3	-4.0	49.6	-0.2	+4.3
Fabrics *	87.0	-1.5	-3.4	73.9	-1.7	-1.9	16.35	-4	+1.6	34.3	-6	-3.8	48.4	+3	+5.4
Carpets and rugs	75.7	-4.8	+1.8	59.9	-11.7	+4.0	21.91	-7.2	+2.2	32.7	-7.8	-3.3	67.0	+5	+5.6
Cotton goods	88.8	-2.2	+4.2	78.1	-3.2	+7.9	14.24	-1.0	+3.6	34.5	-1.3	-3.9	41.2	+3	+7.7
Cotton small wares	76.0	-3.9	-5.4	68.2	-7.0	-5.3	17.38	-3.3	-1	35.9	-3.7	-4.1	48.6	-2	+4.2
Dyeing and finishing textiles	122.6	-2.2	-9	98.9	-5.6	-4.3	19.70	-3.4	-3.5	35.6	-2.8	-5.9	54.9	-6	+2.5
Hats, fur-felt	66.2	+1.3	-19.5	46.2	+19.2	-27.0	18.98	+17.7	-9.4	26.3	+18.3	-13.1	72.0	+2	+3.3
Hosiery	133.7	-4.5	-12.4	133.6	-7.4	-11.2	17.81	-3.0	+1.4	32.5	-2.2	-4.1	56.2	+3	+7.1
Knitted underwear	61.6	+2.7	-9.6	49.9	+5.9	-7.9	17.30	+3.1	+1.6	36.0	+3.2	-2.6	47.5	-2	+3.5
Knitted underwear	73.5	-4.6	-6	64.6	-5.2	-1	14.82	-7	+5	34.3	-2.7	-4.5	43.3	+2.4	+6.0
Knitted cloth	127.4	-2.4	-4	103.5	+2.1	+3.9	18.26	+4.6	+4.4	36.3	+5.2	-1.6	48.9	-(?)	+4.3
Silk and rayon goods *	62.1	-3.6	-11.9	48.6	-3.3	-6.0	16.15	+3	+7.0	35.1	-3	-3	45.7	+5	+6.6
Woolen and worsted goods	71.8	+7.5	-9.7	60.3	+13.3	-7.0	19.38	+5.4	+3.2	34.5	+5.9	-3.8	56.3	-4	+7.2
Wearing apparel	112.0	-5.6	-3.1	81.0	-8.7	-3.0	16.97	-3.3	+1	32.7	-2.6	-4.2	51.8	-9	+2.4
Clothing, men's	95.0	-8.2	-4.1	64.5	-10.4	-6.0	17.56	-2.4	-1.9	30.9	-2.0	-5.0	57.3	-1	+2.8
Clothing, women's	162.5	-3.3	-2.1	112.4	-5.3	-1.0	18.58	-2.0	+1.3	33.8	-1.5	-4.3	51.1	-1.1	+3.6
Corsets and allied garments	114.4	-9	+1.1	116.5	-3.2	-2.9	16.82	-2.3	-3.9	35.5	-1.5	-9.4	46.6	-2	+4.3
Men's furnishings	115.0	-2.4	-9.2	96.2	-4.7	-6.7	13.05	-2.3	+3.0	32.4	-2.5	-3.2	39.8	+2	+5.2
Millinery	74.6	-14.5	-9.3	54.1	-26.7	-7.4	20.81	-14.3	+2.1	32.3	-7.7	+2.1	66.3	-1.3	+2.1
Shirts and collars	121.2	-3.2	+2	101.2	-9.0	+2.0	13.30	-6.0	+1.8	33.4	-6.0	-4.1	40.5	-2	+5.8
Leather and its manufactures	86.8	-7.9	-6.2	63.6	-10.0	-7.3	17.28	-2.4	-1.2	30.9	-4.8	-7.0	55.5	+2.0	+5.1
Boots and shoes	84.6	-9.1	-7.0	58.1	-12.8	-9.0	15.65	-4.0	-2.2	29.5	-6.4	-8.4	53.3	+2.3	+5.7
Leather	80.6	-2.5	-3.2	76.7	-1.9	-2.6	23.74	+6	+5	37.0	+1	-2.7	64.2	-(?)	+2.9
Food and kindred products	121.6	+1.6	+9	121.4	+3.1	+2.2	25.84	+1.5	+1.2	40.1	+1.8	-1.5	64.7	+5	+2.4
Baking	144.7	+1.6	-9	137.9	+2.6	+1.0	26.52	+1.0	+2.1	41.7	+8	-1.1	63.9	+3	+3.2
Beverages	278.5	+3.7	+5	330.4	+5.9	+2.1	34.77	+2.1	+1.5	39.9	+2.1	+5	88.3	+2	+1.2
Butter	99.9	+6.6	+2.5	84.8	+5.2	+3.5	22.50	-1.4	+9	46.8	0	+(?)	47.9	-1.1	+1.1
Canning and preserving	99.9	-3.5	-7.8	89.0	+7.0	-3.9	17.40	+10.8	+4.4	34.6	+9.6	-2.8	51.0	+1.0	+2.1
Confectionery	76.1	-1.3	+2.9	75.4	+2.0	+7.3	19.46	+3.3	+4.3	37.9	+2.9	+1.9	51.5	+6	+2.5

Flour.....	78.5	+4	+9	73.1	+2.2	+1.2	25.17	+1.8	+2	41.1	+8	-1.4	61.1	+5	+1.3
Ice cream.....	83.8	+11.7	-1.6	70.1	+11.1	-9	29.13	-6	+6	46.2	+1.5	-3.7	63.0	-1.1	+4.1
Slaughtering and meat packing..	105.7	+2.1	+9.1	110.4	+8	+5.5	27.43	-1.3	-3.2	39.9	-1.1	-3.4	68.8	-2	+2
Sugar, beet.....	47.4	+7.4	-8.0	49.3	+2.3	-12.2	27.04	-4.7	-4.3	37.9	-3.8	-8.1	74.2	-3	+4.3
Sugar refining, cane..	95.2	+1.3	+8.8	80.0	+3.9	+10.0	23.04	+2.6	+1.2	37.1	+1.6	+1.5	63.6	+9	-3
<b>Tobacco manufactures.....</b>	<b>62.2</b>	<b>-2.5</b>	<b>-3.1</b>	<b>80.7</b>	<b>+3.4</b>	<b>+5.2</b>	<b>18.02</b>	<b>+6.1</b>	<b>+8.6</b>	<b>38.4</b>	<b>+5.0</b>	<b>+3.3</b>	<b>49.7</b>	<b>+8</b>	<b>+5.0</b>
Chewing and smoking tobacco and snuff..	58.6	+1	-4.2	66.5	+3.5	+2.2	18.47	+3.4	+6.4	34.7	+3.7	+2.6	53.4	+1	+4.3
Cigars and cigarettes..	62.6	-2.6	-2.8	59.9	+3.2	+5.5	17.92	+5.9	+8.6	36.6	+5.2	+3.4	49.3	+9	+5.2
<b>Paper and printing..</b>	<b>115.0</b>	<b>+1.1</b>	<b>+3.4</b>	<b>113.1</b>	<b>+3.1</b>	<b>+7.6</b>	<b>29.38</b>	<b>+2.0</b>	<b>+4.0</b>	<b>38.8</b>	<b>+2.0</b>	<b>+1.9</b>	<b>79.4</b>	<b>+1</b>	<b>+2.6</b>
Boxes, paper.....	114.0	+9	+1.8	124.6	+3.2	+7.2	21.72	+2.4	+2.3	38.7	+2.1	+2	56.3	+2	+2.0
Paper and pulp.....	115.2	+2.9	+8.0	124.2	+7.6	+17.6	26.52	+4.6	+8.7	41.6	+4.3	+5.2	63.8	+2	+3.4
Printing and publishing:															
Book and job.....	99.3	-3	+5	88.4	+1.1	+3.1	31.11	+1.4	+2.6	38.7	+1.3	+7	82.1	+4	+2.0
Newspapers and periodicals..	117.1	+6	+1.6	112.3	+1.2	+4.1	33.56	+7	+2.4	36.2	+1	+4	103.5	+3	+2.5
<b>Chemical, petroleum and coal products..</b>	<b>120.9</b>	<b>-2.0</b>	<b>+7.1</b>	<b>133.7</b>	<b>+2</b>	<b>+11.8</b>	<b>20.73</b>	<b>+2.3</b>	<b>+4.4</b>	<b>38.8</b>	<b>+7</b>	<b>+1.4</b>	<b>78.0</b>	<b>+2.4</b>	<b>+3.5</b>
Petroleum refining.....	121.8	+5	+3.1	136.8	-(2)	+3.5	35.14	-5	+4	36.2	-5	-4	97.5	-(2)	+7
Other than petroleum refining..	120.7	-2.6	+8.1	132.7	+3	+14.7	27.47	+2.9	+6.1	39.7	+1.2	+1.8	68.6	+3.1	+5.5
Chemicals.....	136.1	+7	+16.8	161.9	+1.5	+23.3	32.08	+8	+5.7	39.9	+6	+8	80.2	+2	+4.9
Cottonseed—oil, cake, and meal..	67.8	-14.3	-0.1	60.1	-12.7	+4.2	14.12	+1.9	+14.6	39.9	-3.9	-2.8	34.3	+4.6	+15.8
Druggists' preparations..	118.9	+2	+10.0	129.3	-9	+9.4	24.62	-1.0	-5	39.1	-8	-4	60.6	+2	+9
Explosives.....	118.0	+3.5	+37.9	141.2	+6.1	+17.7	32.80	+2.5	+7.1	39.7	+3.5	+3.6	82.5	-9	+3.4
Fertilizers.....	129.1	-26.1	+4.3	118.6	-12.9	+12.3	16.60	+19.5	+6.3	33.4	+5.4	+2.1	43.2	+13.3	+5.7
Paints and varnishes.....	125.9	+1.2	+2.1	136.3	+3.4	+5.1	29.62	+2.1	+1.9	41.4	+2.0	-3	71.6	-(2)	+2.1
Rayon and allied products..	304.3	-5	+2.9	311.4	+1	+14.1	26.27	+6	+10.8	39.0	+3	+6.8	67.3	+3	+3.8
Soap..	81.4	+2	+4.2	98.0	-1	+4.3	28.19	-3	+2	39.5	+(2)	+3	71.4	-3	-2
<b>Rubber products.....</b>	<b>84.0</b>	<b>-8</b>	<b>+3.4</b>	<b>87.2</b>	<b>+8</b>	<b>+9.0</b>	<b>28.33</b>	<b>+1.7</b>	<b>+5.4</b>	<b>33.4</b>	<b>+1.2</b>	<b>+2.1</b>	<b>77.8</b>	<b>-2</b>	<b>+2.6</b>
Rubber boots and shoes.....	54.1	-3.6	-8.3	53.8	-2.7	-1.8	22.85	+9	+6.9	37.2	+7	+4.1	61.6	+4	+2.9
Rubber tires and inner tubes..	69.0	-1.0	+3.5	79.9	+2.3	+11.6	33.88	+3.4	+7.9	35.1	+2.8	+5.6	96.8	+1	+2.7
Rubber goods, other..	140.4	+5	+7.6	131.5	-8	+8.0	22.87	-1.3	+4	37.7	-3	-1.8	61.4	-6	+3.1

See footnotes at end of table.



TABLE 3.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, May 1940—Continued

## NONMANUFACTURING

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

Industry	Employment			Pay rolls			Average weekly earnings <sup>1</sup>			Average hours worked per week <sup>1</sup>			Average hourly earnings <sup>1</sup>		
	Index, May 1940	Percentage change from—		Index, May 1940	Percentage change from—		May 1940	Percentage change from—		May 1940	Percentage change from—		May 1940	Percentage change from—	
		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939		April 1940	May 1939
Coal mining:													<i>Cents</i>		
Anthracite <sup>3</sup> .....	52.2	+1.0	-0.8	40.0	+10.2	-29.9	\$25.20	+9.0	-29.3	27.9	+6.3	-27.4	91.6	+1.2	-0.4
Bituminous <sup>3</sup> .....	84.9	-1.4	+77.2	75.8	+5.1	-271.4	24.14	+6.7	+109.7	27.6	+7.6	+90.8	88.1	+1	+3.2
Metalliferous mining.....	69.2	+2.3	+11.9	65.9	+3.8	+21.9	29.73	+1.5	+8.9	40.9	+1.3	+3.8	73.0	+2	+5.2
Quarrying and nonmetallic mining..	47.1	+5.7	+3.1	42.9	+12.8	+8.2	22.76	+6.7	+5.0	40.6	+5.6	+1.5	55.8	+4	+3.0
Crude-petroleum production..	63.1	-.1	-4.5	59.0	-(?)	-3.7	34.22	+1	+9	38.4	+7	-1.4	87.6	-3	+2.1
Public utilities:															
Telephone and telegraph <sup>4 5</sup> .....	77.3	+8	+2.1	98.5	-.2	+3.0	31.27	-1.0	+9	39.2	-.1	-1.6	80.2	-.8	+1.1
Electric light and power <sup>4 5</sup> .....	90.6	+7	+2.7	104.5	+1.2	+4.6	35.18	+6	+1.8	39.9	+1	-.4	87.8	+1	+1.1
Street railways and busses <sup>4 5 6</sup> .....	68.4	+1	-.8	69.3	+2	+6	33.42	+2	+1.4	46.0	+1	+7	71.8	+1	+1.3
Trade:															
Wholesale <sup>4 7</sup> .....	88.7	-.7	+1.7	77.2	-.2	+3.2	30.49	+5	+1.4	41.3	0	-1.8	74.0	+4	+2.7
Retail <sup>4 5</sup> .....	91.2	+1.6	+2.7	83.4	+1.3	+4.4	21.42	-.2	+1.6	42.8	-.3		54.6	+1	( <sup>8</sup> )
Food <sup>4</sup> .....	103.9	+8	+1.8	94.7	+4	+2.8	23.44	-.4	+1.0	43.1	-.3	( <sup>8</sup> )	52.4	+1	( <sup>8</sup> )
General merchandising <sup>4 5</sup> .....	95.5	+2.8	+2.9	86.8	+2.1	+3.8	17.96	-.7	+9	38.4	-1.0	( <sup>8</sup> )	46.3	0	( <sup>8</sup> )
Apparel <sup>5</sup> .....	86.3	+1.3	-.6	78.1	+1.4	+1.0	21.25	+1	+1.6	38.3	-.4	( <sup>8</sup> )	55.0	+6	( <sup>8</sup> )
Furniture <sup>5</sup> .....	78.4	+4	+1.4	71.3	+3.8	+5.0	29.35	+3.3	+3.5	44.4	+4	( <sup>8</sup> )	69.3	+1.3	( <sup>8</sup> )
Automotive <sup>5</sup> .....	86.2	+1.8	+6.7	82.9	+1.3	+10.1	28.54	-.4	+3.2	47.6	-.3	( <sup>8</sup> )	59.8	-1	( <sup>8</sup> )
Lumber <sup>5</sup> .....	74.5	+2.9	+3.3	71.0	+4.4	+5.8	26.73	+1.5	+2.4	43.2	+1.4	( <sup>8</sup> )	62.8	-.5	( <sup>8</sup> )
Hotels (year-round) <sup>3 4 9</sup> .....	93.4	+7	-.6	83.1	-.2	+8	15.45	-1.0	+1.3	46.1	-1.1	+3	33.0	+1	+2.0
Laundries <sup>3</sup> .....	99.1	+1.9	+3.7	88.5	+3.3	+5.5	18.29	+1.4	+1.7	43.4	+8	-.1	42.2	+5	+1.8
Dyeing and cleaning <sup>3</sup> .....	108.7	+4.0	+1.6	85.5	+7.4	+3.1	21.67	+3.3	+1.5	44.8	+3.0	+3	49.4	+1	+1.0
Brokerage <sup>4</sup> .....	( <sup>8</sup> )	+4	-.2	( <sup>8</sup> )	-.6	+5	37.37	-1.0	+7	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Insurance <sup>4</sup> .....	( <sup>8</sup> )	+3	+1.2	( <sup>8</sup> )	+2	+1.5	36.87	-.1	+3	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Building construction..	( <sup>8</sup> )	+13.6	+5.4	( <sup>8</sup> )	+19.5	+7.0	31.99	+5.2	+1.4	33.5	+6.3	+5	95.5	-1.2	+6

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

<sup>1</sup> 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.

<sup>2</sup> Less than one-tenth of 1 percent.

<sup>3</sup> Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of pamphlet.

<sup>4</sup> Average weekly earnings, hourly earnings, and hours not comparable with figures published in pamphlets prior to January 1938 as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

<sup>5</sup> 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.

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

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

<sup>8</sup> Not available.

<sup>9</sup> Cash payments only; value of board, room, and tips not included.

TABLE 4.—*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 Aug. 1939. Comparable series available upon request]

Industry	Employment index			Pay-roll index			Average weekly earnings <sup>1</sup>			Average hours worked per week <sup>1</sup>			Average hourly earnings <sup>1</sup>		
	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940
<b>All manufacturing..</b>	99.0	99.6	100.8	96.2	96.3	98.2	\$25.43	\$25.33	\$25.46	37.2	37.2	37.5	Cents 60.9	Cents 66.5	Cents 66.5
Durable goods.....	96.4	96.0	96.4	97.5	97.2	97.6	28.89	28.92	28.90	38.2	38.2	38.3	73.0	72.9	72.8
Nondurable goods..	101.4	103.0	105.1	94.9	95.4	99.0	21.72	21.49	21.83	36.3	36.2	36.9	61.5	60.9	61.0
Durable goods															
<b>Iron and steel and their products, not including machinery</b>	101.8	101.7	103.5	97.0	94.9	96.5	28.18	27.53	27.47	36.6	36.0	36.1	78.7	76.4	76.8
Blast furnaces, steel works, and rolling mills	103.9	108.4	111.5	102.9	98.6	101.8	29.88	28.73	28.84	35.5	34.4	34.7	84.2	83.8	83.8
Bolts, nuts, washers, and rivets	105.8	108.7	111.5	109.3	113.9	117.3	24.94	25.31	25.40	36.5	37.0	37.2	68.4	68.4	68.3
Cast-iron pipe	75.8	74.5	75.1	66.8	62.2	59.8	21.00	19.96	18.98	34.6	33.0	31.4	60.3	60.1	59.9
Cutlery (not including silver and plated cutlery) and edge tools	102.5	103.8	102.9	92.0	93.5	90.6	23.40	23.47	22.92	38.7	38.9	38.5	61.4	61.2	60.6
Forgings, iron and steel	66.7	65.8	68.4	73.4	75.1	77.4	29.90	30.60	30.79	38.5	39.3	39.7	77.7	78.0	77.6
Hardware	95.9	98.1	98.8	101.9	104.0	104.7	26.14	26.13	26.15	37.8	38.1	38.4	69.2	68.5	68.1
Plumbers' supplies	81.8	81.8	81.8	72.7	72.3	70.8	25.94	25.78	25.18	37.1	36.9	36.4	69.8	70.0	69.2
Stamped and enameled ware	156.4	159.6	160.8	162.1	163.5	160.6	24.67	24.37	24.10	38.1	38.0	37.8	64.3	63.8	63.6
Steam and hot-water heating apparatus and steam fittings	85.0	84.6	85.0	74.5	75.6	75.0	26.77	27.35	27.04	37.8	38.5	38.3	70.9	71.2	70.6
Stoves	91.1	90.8	89.5	84.0	82.3	79.6	28.35	25.95	25.40	38.4	37.9	37.6	68.8	68.4	67.4
Structural and ornamental metalwork	71.1	70.0	70.3	61.7	61.2	59.5	28.13	28.42	27.39	38.0	38.6	37.3	74.1	73.7	73.5
Tin cans and other tinware	95.6	94.8	93.7	100.9	101.0	99.6	24.04	24.20	24.15	38.6	38.9	38.7	62.2	62.4	62.6
Tools (not including edge tools, machine tools, files, and saws)	92.0	93.5	94.6	90.2	91.0	92.6	24.75	24.57	24.74	39.6	39.3	39.8	62.7	62.6	62.4
Wirework	161.1	161.5	162.5	169.7	174.8	179.9	26.18	26.89	27.51	37.2	38.0	39.1	70.7	71.1	70.6
<b>Machinery, not including transportation equipment</b>	113.9	113.6	113.1	122.3	121.6	121.5	30.11	29.97	30.15	40.5	40.5	40.7	74.1	73.9	73.9
Agricultural implements (including tractors)	139.6	141.4	143.6	164.0	166.1	167.9	31.42	31.43	31.37	39.4	39.3	39.5	79.9	80.1	79.7
Cash registers, adding machines, and calculating machines	129.0	129.0	128.2	133.5	133.9	133.9	32.58	32.75	32.94	39.7	39.9	40.1	82.4	82.4	82.4
Electrical machinery, apparatus, and supplies	101.9	101.5	101.7	114.3	112.7	113.8	30.01	29.70	29.98	39.8	39.4	39.8	75.7	75.6	75.5

Engines, turbines, water wheels, and wind-mills.....	148.9	140.2	134.5	193.8	183.1	175.7	34.21	34.35	34.43	43.1	42.9	42.9	79.7	80.3	80.7
Foundry and machine-shop products.....	96.5	97.2	97.2	94.6	95.4	95.7	29.21	29.27	29.39	40.1	40.3	40.5	73.0	72.6	72.5
Machine tools.....	221.1	216.3	211.0	289.7	287.1	281.6	36.35	36.72	36.99	47.5	47.9	48.3	76.6	76.7	76.7
Radios and phonographs.....	136.5	128.3	121.7	126.9	116.0	109.5	23.09	22.46	22.30	38.2	36.8	36.4	60.6	61.1	61.4
Textile machinery and parts.....	82.2	84.9	85.8	77.0	80.1	81.9	25.71	26.01	26.23	39.6	40.1	40.3	65.1	65.0	65.2
Typewriters and parts.....	113.1	114.4	115.2	114.0	112.2	111.4	24.73	24.06	23.72	38.1	37.2	36.6	64.9	64.7	64.7
<b>Transportation equipment.....</b>	<b>115.0</b>	<b>115.4</b>	<b>117.0</b>	<b>116.6</b>	<b>122.6</b>	<b>124.3</b>	<b>32.83</b>	<b>34.40</b>	<b>34.39</b>	<b>36.7</b>	<b>38.3</b>	<b>38.4</b>	<b>90.2</b>	<b>90.2</b>	<b>90.0</b>
Aircraft.....	2,328.2	2,166.0	2,066.2	2,212.6	2,062.7	2,010.8	29.69	29.75	29.96	41.2	41.4	42.1	73.2	73.3	73.4
Automobiles.....	109.8	112.0	114.4	111.1	121.2	122.9	33.47	35.78	35.53	35.4	37.9	37.7	94.7	94.5	94.4
Cars, electric- and steam-railroad.....	55.7	57.4	61.1	49.9	52.0	58.3	28.05	28.36	29.92	37.2	37.4	39.4	75.4	75.7	75.9
Locomotives.....	28.2	28.0	28.4	26.9	26.1	26.0	29.31	28.61	28.08	37.4	36.7	36.3	78.8	77.9	77.4
Shipbuilding.....	158.2	152.8	150.7	180.4	169.4	169.3	34.20	33.25	33.68	39.5	38.5	39.0	86.2	85.9	86.0
<b>Nonferrous metals and their products.....</b>	<b>105.3</b>	<b>105.6</b>	<b>107.1</b>	<b>103.6</b>	<b>103.1</b>	<b>104.8</b>	<b>27.02</b>	<b>26.76</b>	<b>26.96</b>	<b>38.8</b>	<b>38.6</b>	<b>38.9</b>	<b>70.1</b>	<b>70.0</b>	<b>69.7</b>
Aluminum manufactures.....	172.9	171.5	171.3	201.5	199.3	196.3	28.38	28.31	27.91	39.8	39.8	39.6	71.3	71.1	70.5
Brass, bronze, and copper products.....	125.5	125.8	128.7	134.2	133.0	137.2	29.00	28.74	29.01	38.8	38.6	39.0	75.0	74.9	74.8
Clocks and watches and time-recording devices.....	89.7	89.4	90.9	94.0	91.7	94.8	23.25	22.74	23.14	38.9	38.0	38.8	59.7	59.9	59.6
Jewelry.....	88.7	90.0	92.4	72.6	72.2	75.3	22.84	22.44	22.87	37.7	37.0	38.2	59.9	59.9	59.0
Lighting equipment.....	84.1	85.9	86.0	72.4	74.2	74.2	27.48	27.59	27.55	38.3	38.1	38.5	71.5	72.2	71.5
Silverware and plated ware.....	70.4	70.7	70.2	61.3	62.8	60.3	25.06	25.60	24.90	38.6	39.5	38.7	65.1	65.1	64.1
Smelting and refining—copper, lead, and zinc.....	85.5	85.9	86.7	84.3	84.4	84.8	27.71	27.59	27.44	38.9	39.0	38.8	71.2	70.8	70.7
<b>Lumber and allied products.....</b>	<b>68.0</b>	<b>66.9</b>	<b>66.8</b>	<b>63.3</b>	<b>61.4</b>	<b>61.0</b>	<b>20.22</b>	<b>20.00</b>	<b>19.91</b>	<b>38.7</b>	<b>38.4</b>	<b>38.4</b>	<b>52.1</b>	<b>51.8</b>	<b>51.5</b>
Furniture.....	87.3	86.4	88.7	74.8	74.2	77.7	20.59	20.70	21.15	38.0	38.3	39.2	54.6	54.6	54.7
Lumber:															
Millwork.....	60.7	60.9	60.7	47.8	47.6	47.1	22.02	21.84	21.59	40.3	40.0	39.9	54.8	54.7	54.3
Sawmills.....	61.9	60.3	59.5	58.3	55.4	53.3	19.43	18.93	18.49	38.7	38.1	37.6	50.3	49.7	49.2
<b>Stone, clay, and glass products.....</b>	<b>82.0</b>	<b>80.5</b>	<b>77.7</b>	<b>74.7</b>	<b>72.2</b>	<b>68.3</b>	<b>24.79</b>	<b>24.49</b>	<b>24.03</b>	<b>37.1</b>	<b>36.5</b>	<b>35.7</b>	<b>66.4</b>	<b>66.4</b>	<b>66.4</b>
Brick, tile, and terra cotta.....	60.9	58.0	54.4	49.2	45.2	41.5	20.65	19.97	19.55	37.2	36.1	35.0	55.1	55.1	55.3
Cement.....	70.8	67.7	59.4	69.2	63.6	54.1	27.78	26.68	25.81	39.3	38.1	36.7	70.6	70.0	70.3
Glass.....	104.4	105.3	106.2	112.0	114.2	112.8	26.18	26.49	26.02	35.6	36.0	35.2	73.9	73.9	74.1
Marble, granite, slate, and other products.....	49.0	45.6	42.9	39.1	34.6	29.6	27.93	26.68	24.24	38.6	36.9	34.3	73.2	73.0	70.8
Pottery.....	90.6	93.0	93.1	84.2	85.1	85.3	23.64	23.28	23.28	37.5	37.1	37.6	63.8	63.9	63.7
<i>Non-durable goods</i>															
<b>Textiles and their products*.....</b>	<b>95.9</b>	<b>98.8</b>	<b>102.9</b>	<b>77.9</b>	<b>81.4</b>	<b>89.5</b>	<b>16.52</b>	<b>16.74</b>	<b>17.45</b>	<b>33.7</b>	<b>34.2</b>	<b>35.1</b>	<b>49.6</b>	<b>49.5</b>	<b>50.5</b>
Fabrics*.....	87.0	88.3	90.7	73.9	75.2	78.5	16.35	16.40	16.62	34.3	34.5	35.1	48.4	48.2	48.2
Carpets and rugs.....	75.7	79.5	80.1	59.9	67.8	67.4	21.91	23.61	23.30	32.7	35.5	35.2	67.0	66.6	66.3
Cotton goods.....	88.8	90.8	92.1	78.1	80.6	82.8	14.24	14.39	14.59	34.5	35.0	35.6	41.2	41.0	41.0
Cotton small wares.....	76.0	79.0	81.1	68.2	73.4	75.5	17.38	18.05	18.17	35.9	37.4	38.0	48.6	49.0	48.8
Dyeing and finishing textiles.....	122.6	125.4	123.1	98.9	104.7	108.7	19.70	20.28	20.62	35.6	36.5	37.5	54.9	55.0	54.6
Hats, fur-felt.....	66.2	65.4	65.6	46.2	38.8	68.6	18.98	16.18	21.50	26.3	22.2	29.3	72.0	71.8	71.4
Hosiery.....	133.7	140.1	140.1	133.6	144.2	145.7	17.81	18.46	18.60	32.5	33.2	34.0	56.2	56.0	55.5
Knitted outerwear.....	61.6	60.0	65.3	49.9	47.2	53.0	17.30	16.79	17.28	36.0	34.9	35.7	47.5	47.6	47.7
Knitted underwear.....	73.5	77.1	78.6	64.6	68.2	71.7	14.82	14.87	15.37	34.3	35.2	36.6	43.3	42.3	42.3

See footnotes at end of table.

TABLE 4.—*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		
	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940
<i>Nondurable goods—Continued</i>															
<b>Textiles and their products—Continued.</b>															
<i>Fabrics—Continued.</i>															
Knitted cloth.....	127.4	130.5	134.5	103.5	101.4	107.2	\$18.26	\$17.46	\$17.86	36.3	34.5	36.4	Cents 48.9	Cents 49.0	Cents 47.8
Silk and rayon goods*.....	62.1	64.4	66.2	48.6	50.3	52.2	16.15	16.16	16.25	35.1	35.2	35.5	45.7	45.6	45.4
Woolen and worsted goods.....	71.8	66.7	71.4	60.3	53.2	57.2	19.38	18.35	18.42	34.5	32.5	32.6	56.3	56.5	56.7
Wearing apparel.....	112.0	118.6	126.6	81.0	88.7	105.7	16.97	17.63	19.54	32.7	33.6	35.2	51.8	51.9	54.3
Clothing, men's.....	95.0	103.5	111.9	64.5	72.0	88.3	17.56	18.09	20.43	30.9	31.6	34.3	57.3	57.4	58.8
Clothing, women's <sup>1</sup> .....	162.5	168.1	181.2	112.4	118.7	141.6	18.58	19.04	21.07	33.8	34.3	35.1	51.1	51.8	55.7
Corsets and allied garments.....	114.4	115.4	116.1	116.5	120.2	119.7	16.82	17.20	16.99	35.5	36.0	36.0	46.6	46.8	46.4
Men's furnishings.....	115.0	117.8	124.3	96.2	101.0	116.5	13.05	13.34	14.54	32.4	33.5	35.3	39.8	39.5	40.1
Millinery.....	74.6	87.3	96.8	54.1	73.8	103.2	20.81	24.28	30.59	32.3	35.0	39.5	66.3	67.2	70.9
Shirts and collars.....	121.2	125.2	125.8	101.2	111.2	113.0	13.30	14.14	14.34	33.4	35.3	36.0	40.5	40.4	40.3
<b>Leather and its manufactures.....</b>															
Boots and shoes.....	84.6	93.1	97.7	58.1	66.6	78.2	15.65	16.30	18.20	29.5	31.5	35.2	53.3	52.1	51.9
Leather.....	80.6	82.7	84.0	76.7	78.2	80.4	23.74	23.63	23.83	37.0	36.9	37.3	64.2	64.2	63.8
<b>Food and kindred products.....</b>															
Baking.....	144.7	142.5	143.1	137.8	134.3	134.4	26.52	26.22	26.12	41.7	41.4	41.6	63.9	63.6	63.0
Beverages.....	278.5	268.4	261.6	330.4	312.0	300.1	34.77	34.00	33.53	39.9	39.0	38.4	88.3	88.0	88.2
Butter.....	99.9	93.7	90.0	84.8	80.6	77.7	22.50	22.92	22.97	46.8	46.8	46.6	47.9	48.7	48.9
Canning and preserving.....	99.9	103.4	88.1	89.0	83.2	76.2	17.40	15.64	16.88	34.6	31.6	34.8	51.0	50.5	49.5
Confectionery.....	76.1	77.0	81.9	75.4	74.0	77.4	19.46	18.83	18.47	37.9	36.8	36.8	51.5	51.1	50.2
Flour.....	78.5	78.2	79.4	73.1	71.5	73.3	25.17	24.79	25.01	41.1	40.6	40.7	61.1	60.8	61.1
Ice cream.....	83.8	75.0	70.2	70.1	63.1	59.9	29.13	29.30	29.68	46.2	45.6	45.4	63.0	63.5	64.8
Slaughtering and meat packing.....	105.7	103.6	107.4	110.4	109.5	111.5	27.43	27.76	27.26	39.9	40.3	40.0	68.8	68.9	68.1
Sugar, beet.....	47.4	44.1	39.6	49.3	48.2	45.3	27.04	28.38	29.74	37.9	39.4	39.8	74.2	74.3	77.3
Sugar refining, cane.....	95.2	94.0	95.7	80.0	77.0	78.9	23.64	23.05	23.18	37.1	36.5	36.6	63.6	63.1	63.4
<b>Tobacco manufactures.....</b>															
Chewing and smoking tobacco and snuff.....	58.6	58.5	60.5	66.5	64.2	68.9	18.47	17.78	17.90	34.7	33.5	34.3	53.4	53.1	52.3
Cigars and cigarettes.....	62.6	64.3	63.9	59.9	58.0	56.9	17.92	16.91	16.64	36.6	34.8	34.6	49.3	48.8	48.5

<b>Paper and printing</b> .....	115.0	113.8	114.4	113.1	109.7	110.0	29.38	28.70	28.67	38.8	38.1	38.0	79.4	79.3	78.9
Boxes, paper.....	114.0	113.0	114.2	124.6	120.7	121.6	21.72	21.25	21.16	38.7	37.9	38.1	56.3	56.2	55.8
Paper and pulp.....	115.2	112.0	112.6	124.2	115.4	115.1	26.52	25.35	25.17	41.6	39.9	39.5	63.8	63.7	63.7
Printing and publishing:															
Book and job.....	99.3	99.5	99.8	88.4	87.4	88.2	31.11	30.73	30.85	38.7	38.2	38.4	82.1	81.6	81.7
Newspapers and periodicals.....	117.1	116.5	117.0	112.3	110.9	110.9	38.56	38.27	38.19	36.2	36.2	36.0	103.5	102.9	102.3
<b>Chemical, petroleum, and coal products</b> .....	120.9	123.4	122.8	133.7	133.4	132.5	29.73	28.99	29.14	38.8	38.5	38.4	76.0	74.2	74.6
Petroleum refining.....	121.8	121.1	121.3	136.8	136.9	135.8	35.14	35.34	34.96	36.2	36.5	36.2	97.5	97.4	97.1
Other than petroleum refining.....	120.7	123.9	123.1	132.7	132.3	131.5	27.47	26.51	26.86	39.7	39.2	39.2	68.6	66.5	67.0
Chemicals.....	136.1	135.2	135.6	161.9	159.6	159.3	32.08	31.83	31.72	39.9	39.8	39.7	80.2	80.1	80.0
Cottonseed—oil, cake, and meal.....	67.8	79.2	89.5	60.1	68.8	80.5	14.12	13.86	14.37	39.9	41.4	42.4	34.3	32.8	33.1
Druggists' preparations.....	118.9	118.7	118.7	129.3	130.5	131.2	24.62	24.88	25.09	39.1	39.4	40.0	60.6	60.5	60.3
Explosives.....	118.0	114.0	107.8	141.2	133.1	128.8	32.80	31.99	32.80	39.7	38.4	39.1	82.5	83.3	83.9
Fertilizers.....	129.1	174.8	151.8	118.6	136.2	112.7	16.60	13.81	13.52	38.4	36.4	35.3	43.2	37.9	38.4
Paints and varnishes.....	125.9	124.4	123.5	136.3	131.9	130.5	29.62	29.02	28.93	41.4	40.6	40.4	71.6	71.7	71.8
Rayon and allied products.....	304.3	305.8	309.0	311.4	311.1	316.0	26.27	26.12	26.26	39.0	38.9	39.1	67.3	67.2	67.2
Soap.....	81.4	81.2	82.7	98.0	98.0	99.5	28.19	28.27	28.08	39.5	39.4	39.2	71.4	71.7	71.7
<b>Rubber products</b> .....	84.0	84.7	87.2	87.2	88.5	88.3	28.39	27.98	27.66	38.4	38.0	35.8	77.8	77.9	77.9
Rubber boots and shoes.....	54.1	56.1	55.9	53.8	55.3	55.8	22.85	22.66	22.90	37.2	37.0	37.2	61.6	61.3	61.6
Rubber tires and inner tubes.....	69.0	69.7	72.3	79.9	78.1	79.0	33.88	32.77	31.98	35.1	34.1	33.5	96.8	96.6	96.3
Rubber goods, other.....	140.4	139.7	144.2	131.5	132.6	137.5	22.87	23.11	23.22	37.7	37.8	38.0	61.4	61.9	61.8

#### NONMANUFACTURING

(Indexes are based on 12-month average, 1929=100)

<b>Coal mining:</b>															
Anthracite <sup>5</sup> .....	52.2	51.6	52.6	40.0	36.3	38.4	\$25.20	\$23.11	\$24.03	27.9	26.2	26.3	91.6	90.6	91.7
Bituminous <sup>5</sup> .....	84.9	82.2	89.7	75.8	72.2	78.3	24.14	22.63	23.57	27.6	25.6	26.5	88.1	88.0	88.4
<b>Metallic mineral mining:</b>															
Quarrying and nonmetallic mining.....	69.2	67.7	66.2	65.9	63.5	63.2	29.73	29.30	29.88	40.9	40.4	41.2	73.0	72.8	73.0
Crude petroleum production.....	47.1	44.5	41.0	42.9	38.1	34.1	22.76	21.33	20.67	40.6	38.4	36.9	55.8	55.6	56.0
Public utilities:	63.1	63.1	63.2	59.0	58.4	58.4	34.22	34.20	34.02	38.4	38.2	37.8	87.6	87.9	88.4
Telephone and telegraph <sup>4 5</sup> .....	77.3	76.7	76.0	98.5	98.7	98.1	31.27	31.58	31.73	39.2	39.3	39.4	80.2	80.9	81.1
Electric light and power <sup>4 5</sup> .....	90.6	90.0	89.3	104.5	103.3	102.3	35.18	34.98	34.96	39.9	39.9	39.9	87.8	87.8	87.6
Street railways and busses <sup>4 5 6</sup> .....	68.4	68.3	68.2	69.3	69.2	69.5	33.42	33.37	33.60	46.0	46.0	46.3	71.8	71.7	71.8
<b>Trade:</b>															
Wholesale <sup>4 7</sup> .....	88.7	89.3	90.5	77.2	77.4	77.8	30.49	30.33	30.08	41.3	41.3	41.2	74.0	73.7	73.1
Retail <sup>4 8</sup> .....	91.2	89.8	91.1	83.4	82.3	82.0	21.42	21.46	21.02	42.8	42.9	42.6	54.6	54.6	54.0
Food <sup>5</sup> .....	103.9	103.1	103.8	94.7	94.3	94.4	23.44	23.48	23.33	43.1	43.2	43.3	52.4	52.3	52.3
General merchandising <sup>4 5</sup> .....	95.5	92.9	96.4	86.8	85.0	85.9	17.96	18.02	17.62	38.4	38.8	38.4	46.3	46.3	45.7
Apparel <sup>5</sup> .....	86.3	85.2	92.6	78.1	77.0	79.3	21.25	21.25	19.89	38.3	38.5	36.5	55.0	54.7	53.8
Furniture <sup>5</sup> .....	78.4	78.1	76.6	71.3	68.7	66.3	29.35	28.58	28.00	44.4	44.2	44.3	69.3	68.4	65.4
Automotive <sup>5</sup> .....	86.2	84.7	82.5	82.9	81.8	78.0	28.54	28.68	28.33	47.6	47.8	47.8	59.8	59.9	59.0
Lumber <sup>5</sup> .....	74.5	72.4	70.4	71.0	68.0	65.7	26.73	26.32	26.06	43.2	42.6	42.3	62.8	63.1	63.0

See footnotes at end of table.

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

## NONMANUFACTURING—Continued

Industry	Employment index			Pay-roll index			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940	May 1940	April 1940	March 1940
Hotels (year-round) <sup>2, 4, 8</sup> ..	93.4	92.7	92.0	83.1	83.2	81.8	\$15.45	\$15.60	\$15.44	46.1	46.6	46.2	Cents 33.0	Cents 33.0	Cents 32.9
Laundries <sup>3</sup> .....	99.1	97.2	96.2	88.5	85.6	84.1	18.29	18.03	17.87	43.4	43.0	43.0	42.2	42.0	41.7
Dyeing and cleaning <sup>2</sup> ..	108.7	104.5	99.5	85.5	79.6	72.7	21.67	20.99	20.10	44.8	43.5	42.4	49.4	49.4	48.8
Brokerage <sup>4, 6</sup> ..	+4	+2	-1.0	-.6	+3.5	-2.4	37.37	37.74	38.95	(10)	(10)	(10)	(10)	(10)	(10)
Insurance <sup>4, 6</sup> ..	+3	+3	+2	+2	+1	+1.6	36.87	36.90	36.79	(10)	(10)	(10)	(10)	(10)	(10)
Building construction <sup>6</sup> ..	+13.6	+11.7	+3.0	+19.5	+13.3	+6.3	31.99	30.32	29.89	33.5	31.7	30.9	95.5	95.8	97.0

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

<sup>1</sup> 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.

<sup>2</sup> Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of pamphlet.

<sup>3</sup> Average hourly earnings not comparable to those previously published because of change in reporting sample. Comparable February hourly earnings are 56.5 cents.

<sup>4</sup> Average weekly earnings, hourly earnings, and hours not comparable with figures published in pamphlets prior to January 1938 as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

<sup>5</sup> Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable to indexes published in pamphlets prior to January 1940 or in MONTHLY LABOR REVIEW prior to April 1940.

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

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

<sup>8</sup> Cash payments only; additional value of board, room, and tips not included.

<sup>9</sup> Indexes of employment and pay rolls are not available; percentage changes from preceding month substituted.

<sup>10</sup> Not available.

TABLE 5.—*Indexes of Employment and Pay Rolls in Selected Manufacturing <sup>1</sup> and Non-manufacturing <sup>2</sup> Industries, April 1939 to April 1940, inclusive*

Industry	Employment													
	1939										1940			
	A v.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<i>Manufacturing</i>														
All industries.....	96.8	93.0	93.4	93.5	96.3	100.2	103.6	103.8	104.1	101.4	101.4	100.8	99.6	99.0
Durable goods <sup>3</sup>	87.8	84.0	84.6	83.0	83.9	89.8	96.1	98.2	100.0	97.4	96.6	96.4	96.0	96.4
Nondurable goods <sup>4</sup>	105.5	101.6	101.8	103.5	108.1	110.2	110.8	109.2	108.0	105.3	106.1	105.1	103.0	101.4
<i>Nonmanufacturing</i>														
Anthracite mining <sup>5</sup>	50.6	52.6	51.2	44.7	48.5	49.4	51.9	51.3	51.0	51.5	52.0	52.6	51.6	52.2
Bituminous-coal mining <sup>5</sup>	78.6	47.9	78.3	79.4	81.4	85.4	93.0	94.9	92.6	91.8	91.7	89.7	86.2	84.9
Metalliferous mining	62.7	61.9	61.6	60.4	60.4	62.9	65.3	66.5	67.3	66.4	66.3	66.2	67.7	69.2
Quarrying and nonmetallic mining	44.6	45.6	47.3	47.5	48.1	47.9	48.0	47.1	44.0	37.8	38.3	41.0	44.5	47.1
Crude-petroleum production	65.8	66.1	67.0	67.3	66.7	65.0	64.3	63.8	63.8	63.2	63.0	63.2	63.1	63.1
Telephone and telegraph <sup>6</sup>	75.8	75.8	76.4	76.5	76.6	76.4	76.5	76.1	75.8	76.1	75.9	76.0	76.7	77.3
Electric light and power <sup>6</sup>	89.0	88.2	89.2	90.0	90.6	90.6	90.4	90.3	90.1	89.1	89.2	89.3	90.0	90.6
Street railways and busses <sup>7</sup>	69.0	68.9	69.3	69.1	69.2	69.2	69.5	69.3	69.0	68.8	68.7	68.2	68.3	68.4
Wholesale trade	89.2	87.2	88.1	87.9	89.0	90.5	92.4	92.1	92.2	90.6	90.2	90.5	89.3	88.7
Retail trade <sup>6</sup>	89.8	88.8	89.4	87.2	86.3	90.5	91.7	93.3	104.2	87.7	87.0	91.1	89.8	91.2
Year-round hotels <sup>8</sup>	92.0	93.9	92.8	90.3	89.8	91.3	92.9	91.8	90.8	91.3	92.1	92.0	92.7	93.4
Laundries <sup>5</sup>	95.9	95.5	98.7	100.0	99.1	97.8	96.0	95.6	95.6	96.0	95.8	96.2	97.2	99.1
Dyeing and cleaning <sup>5</sup>	101.3	107.0	110.1	106.5	102.7	105.2	105.1	97.8	97.4	94.0	93.7	99.5	104.5	108.7
<i>Pay rolls</i>														
<i>Manufacturing</i>														
All industries.....	90.8	85.0	86.5	84.4	89.7	93.8	101.6	101.6	103.7	98.3	97.8	98.2	96.3	96.2
Durable goods <sup>3</sup>	85.2	78.8	80.7	76.0	81.5	87.8	99.6	100.9	104.6	98.2	96.7	97.6	97.2	97.5
Nondurable goods <sup>4</sup>	97.0	91.9	93.0	93.7	99.0	100.5	103.9	102.4	102.8	98.4	99.1	99.0	95.4	94.9
<i>Nonmanufacturing</i>														
Anthracite mining <sup>5</sup>	39.5	57.0	36.1	25.2	33.8	40.1	52.2	42.0	26.6	52.5	32.9	38.4	36.3	40.0
Bituminous-coal mining <sup>5</sup>	69.9	20.4	66.5	64.5	74.6	80.2	97.6	96.3	84.3	87.0	87.0	78.3	72.2	75.8
Metalliferous mining	56.0	54.1	53.8	48.5	53.0	55.1	63.4	63.9	65.0	63.6	64.2	63.2	63.5	65.9
Quarrying and nonmetallic mining	38.7	39.7	41.7	40.9	42.9	42.7	45.6	42.9	39.2	29.6	30.8	34.1	38.1	42.9
Crude-petroleum production	61.0	61.2	62.5	61.9	62.0	60.8	58.8	59.6	59.2	58.4	59.0	58.4	59.0	59.0
Telephone and telegraph <sup>6</sup>	95.6	95.7	95.7	96.6	96.3	96.9	97.2	96.4	97.4	97.4	96.9	98.1	98.7	98.5
Electric light and power <sup>6</sup>	100.4	99.9	101.2	101.1	102.2	102.2	102.0	102.5	102.4	101.6	102.2	102.3	103.3	104.5
Street railways and busses <sup>7</sup>	69.5	68.9	70.0	69.4	69.8	69.2	71.2	69.4	69.8	69.0	71.5	69.5	69.2	69.3
Wholesale trade	76.6	74.9	75.8	75.8	76.2	78.0	80.3	79.0	79.1	77.1	77.1	77.8	77.4	77.2
Retail trade <sup>6</sup>	80.8	79.9	81.1	79.5	78.0	80.9	83.2	83.6	91.8	79.9	79.1	82.0	82.3	83.4
Year-round hotels <sup>8</sup>	81.2	82.4	82.0	79.1	79.2	80.4	82.2	81.8	81.1	81.1	82.7	81.8	83.2	83.1
Laundries <sup>5</sup>	83.1	83.9	86.9	88.0	85.9	84.5	83.9	82.9	83.7	83.4	83.1	84.1	85.6	88.5
Dyeing and cleaning <sup>5</sup>	73.6	83.0	84.2	77.1	73.0	78.3	77.3	70.8	69.9	65.5	64.4	72.7	79.6	85.5

<sup>1</sup> 3-year average 1923-25=100—adjusted to 1937 Census of Manufactures.<sup>2</sup> 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.<sup>3</sup> Includes: Iron and steel, machinery, transportation equipment, nonferrous metals, lumber and allied products, and stone, clay, and glass products.<sup>4</sup> 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.<sup>5</sup> Indexes have been adjusted to the 1935 census. Comparable series from January 1929 forward are presented in January 1938 and subsequent issues of pamphlet.<sup>6</sup> 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.<sup>7</sup> Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.



## TREND OF INDUSTRIAL AND BUSINESS EMPLOYMENT, BY STATES

The publication of unweighted percentage changes in employment and pay rolls by States and geographic division has been discontinued. A mimeographed table showing these data will, however, be made available on request. Estimates of the total number of employees in nonagricultural establishments for June 1940 will be shown in next month's issue of this pamphlet. Similar figures for individual states, by months, from January 1938 to May 1940, are available in mimeographed form.

## INDUSTRIAL AND BUSINESS EMPLOYMENT IN PRINCIPAL METROPOLITAN AREAS

A comparison of employment and pay rolls in April and May 1940 is made in table 6 for 13 metropolitan areas, each of which had a population of 500,000 or over in 1930. Cities within these areas but having a population of 100,000 or over, are not included. Footnotes to the table specify which cities are excluded. Data concerning them have been prepared in a supplementary tabulation which is available on request. The figures represent reports from cooperating establishments and cover both full- and part-time workers in the manufacturing and nonmanufacturing industries presented in table 3, 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 6.—*Comparison of Employment and Pay Rolls in Identical Establishments in April and May 1940, by Principal Metropolitan Areas*

Metropolitan area	Number of establishments, May 1940	Number on pay roll, May 1940	Percentage change from April 1940	Amount of pay roll (1 week), May 1940	Percentage change from April 1940
New York <sup>1</sup>	13,985	686,658	-0.3	\$19,499,956	+0.1
Chicago <sup>2</sup>	4,338	449,482	+8	12,707,099	+1.7
Philadelphia <sup>3</sup>	2,408	217,147	-1.1	6,044,029	-9
Detroit	1,640	351,151	-2.0	11,612,365	-6.9
Los Angeles <sup>4</sup>	3,030	184,660	+1.9	5,515,835	+2.2
Cleveland	1,635	129,552	-4	3,784,001	+8
St. Louis	1,397	121,364	-2.0	3,037,696	-2.1
Baltimore	1,141	117,233	+8	3,035,999	+1.2
Boston <sup>5</sup>	2,732	179,538	-9	4,536,775	-5
Pittsburgh	1,274	194,083	+8	5,677,756	+2.0
San Francisco <sup>6</sup>	1,632	83,146	-4	2,584,460	+2
Buffalo	781	74,239	+1.8	2,068,845	+2.9
Milwaukee	968	105,483	-6	3,075,768	+7

<sup>1</sup> Does not include Elizabeth, Jersey City, Newark, nor Paterson, N. J., nor Yonkers, N. Y.

<sup>2</sup> Does not include Gary, Ind.

<sup>3</sup> Does not include Camden, N. J.

<sup>4</sup> Does not include Long Beach, Calif.

<sup>5</sup> Does not include Cambridge, Lynn, or Somerville, Mass.

<sup>6</sup> Does not include Oakland, Calif.

## 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 May and April 1940 are given in table 7.

**TABLE 7.—Employment and Pay Rolls for the Executive Service of the United States Government, May and April 1940 <sup>1</sup>**

[Subject to revision]

Class	Employment			Pay rolls		
	May	April	Percentage change	May	April	Percentage change
Entire service:						
Total.....	977,990	959,146	+2.0	\$149,205,295	\$144,837,840	+3.0
Regular appropriation.....	827,719	810,465	+2.1	129,615,779	125,935,949	+2.9
Emergency appropriation.....	61,303	61,643	— .6	7,809,714	7,732,555	+1.0
Force-account.....	88,968	87,038	+2.2	11,779,802	11,169,336	+5.5
Inside the District of Columbia:						
Total.....	130,937	129,677	+1.0	23,298,161	22,948,295	+1.5
Regular appropriation.....	115,589	114,071	+1.3	20,857,801	20,458,766	+2.0
Emergency appropriation.....	8,636	8,770	—1.5	1,345,732	1,367,016	—1.6
Force-account.....	6,712	6,836	—1.8	1,094,628	1,122,513	—2.5
Outside the District of Columbia:						
Total.....	847,053	829,469	+2.1	125,907,134	121,889,545	+3.3
Regular appropriation.....	712,130	696,394	+2.3	108,757,978	105,477,183	+3.1
Emergency appropriation.....	52,667	52,873	— .4	6,463,982	6,365,539	+1.5
Force-account.....	82,256	80,202	+2.6	10,685,174	10,046,823	+6.4

<sup>1</sup> Data include number of employees receiving pay during the last pay period of the month.

### CONSTRUCTION PROJECTS FINANCED BY THE PUBLIC WORKS ADMINISTRATION

Details concerning employment, pay rolls, and man-hours worked during May on construction projects financed by Public Works Administration funds are given in table 8, by type of project.

**TABLE 8.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, May 1940 <sup>1</sup>**

[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 <sup>2</sup>	Weekly average				
All programs.....	97,621	81,489	\$9,942,607	10,008,471	\$0.993	\$14,356,303
<b>Federal projects financed from National Industrial Recovery Act funds</b>						
All projects.....	<sup>3</sup> 627	537	\$52,606	68,132	\$0.772	\$54,965
Building construction.....	286	232	29,036	25,213	1.152	29,924
Public roads <sup>4</sup> .....	( <sup>5</sup> )	103	6,685	14,231	.470	13,000
Reclamation.....	40	36	5,635	7,352	.766	3,778
River, harbor and flood control.....	94	82	4,670	7,774	.601	2,190
Water and sewerage.....	76	56	2,597	9,108	.285	3,324
Miscellaneous.....	28	28	3,983	4,454	.894	2,749
<b>Federal projects financed from Public Works Administration Appropriation Act 1938 funds</b>						
All projects.....	8,672	7,698	\$948,519	993,758	\$0.954	\$1,388,706
Airport construction (exclusive of buildings).....	457	455	52,297	84,063	.622	210,820
Building construction.....	5,439	4,700	594,228	560,540	1.060	849,910
Electrification.....	652	632	82,319	91,377	.901	22,841
Reclamation.....	1,269	1,201	136,568	159,225	.858	180,719
River, harbor, and flood control.....	297	233	25,920	31,401	.825	26,326
Streets and roads.....	55	46	3,289	3,957	.831	7,190
Water and sewerage.....	106	85	5,950	6,615	.899	13,053
Miscellaneous.....	155	151	14,627	18,843	.776	77,026
Professional, technical, and clerical.....	242	195	33,321	37,737	.883	821
<b>Non-Federal projects financed from National Industrial Recovery Act funds</b>						
All projects <sup>6</sup> .....	2,291	1,956	\$274,220	246,150	\$1.114	\$383,765
Building construction <sup>6</sup> .....	1,498	1,272	231,788	184,452	1.257	218,055
Streets and roads.....	461	400	25,863	37,284	.694	62,340
Railroad construction.....	18	18	44	88	.500	0
Water and sewerage.....	3	3	205	185	1.108	0
Miscellaneous.....	311	263	16,320	24,141	.676	103,370
<b>Non-Federal projects financed from Emergency Relief Appropriation Act 1935, 1936, and 1937 funds</b>						
All projects.....	7,735	6,787	\$767,603	986,193	\$0.778	\$744,071
Building construction.....	979	834	117,192	104,017	1.127	109,982
Electrification.....	803	703	64,431	84,077	.766	124,505
Heavy engineering.....	4,935	4,366	471,697	666,911	.707	410,381
Reclamation.....	266	247	32,826	37,811	.868	14,002
Streets and roads.....	161	122	7,380	9,918	.744	22,590
Water and sewerage.....	591	515	74,077	83,459	.888	62,611

<sup>1</sup> Data are for the month ending on the 15th.

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

<sup>3</sup> Includes weekly average for public roads.

<sup>4</sup> Under the jurisdiction of the Public Roads Administration.

<sup>5</sup> Not available: Weekly average included in total for all projects.

<sup>6</sup> 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.

**TABLE 8.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, May 1940—Continued**

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				
Non-Federal projects financed from Public Works Administration Appropriation Act 1938 funds						
All projects.....	78, 296	64, 511	\$7, 899, 659	7, 714, 238	\$1. 024	\$11, 784, 796
Building construction.....	29, 130	23, 687	2, 802, 528	2, 522, 534	1. 111	5, 101, 594
Electrification.....	1, 122	912	93, 997	98, 122	. 958	173, 427
Heavy engineering.....	16, 043	13, 621	2, 041, 438	1, 769, 607	1. 154	1, 901, 192
Reclamation.....	417	332	42, 737	51, 173	. 835	17, 137
River, harbor and flood control.....	2	2	50	80	. 625	2
Streets and roads.....	17, 045	13, 516	1, 396, 051	1, 686, 847	. 828	2, 323, 542
Water and sewerage.....	14, 506	12, 413	1, 516, 816	1, 581, 279	. 959	2, 265, 631
Miscellaneous.....	31	28	6, 042	4, 596	1. 315	2, 271

### UNITED STATES HOUSING AUTHORITY

Table 9 shows data concerning employment, pay rolls, and man-hours worked in May 1940 on low-rent projects of the United States Housing Authority.

**TABLE 9.—Employment and Pay Rolls on Low-Rent Housing Projects Operated by the United States Housing Authority, May 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	Weekly average				
All divisions.....	44, 390	37, 590	\$4, 617, 858	4, 899, 448	\$0. 943	\$7, 177, 239
New England.....	3, 378	2, 843	425, 992	377, 121	1. 130	593, 456
Middle Atlantic.....	9, 250	7, 699	1, 280, 649	1, 020, 444	1. 255	1, 650, 978
East North Central.....	4, 036	3, 480	493, 270	419, 010	1. 177	848, 120
West North Central.....	211	164	15, 109	21, 429	. 705	33, 402
South Atlantic.....	12, 107	10, 013	1, 005, 186	1, 325, 005	. 759	1, 431, 487
East South Central.....	7, 837	6, 945	744, 391	898, 709	. 828	1, 096, 021
West South Central.....	5, 022	4, 324	462, 903	545, 440	. 849	1, 043, 056
Mountain.....	65	44	5, 245	4, 541	1. 155	97, 031
Pacific.....	1, 210	993	134, 615	132, 193	1. 018	236, 061
Outside continental United States.....	1, 274	1, 085	50, 498	155, 556	. 325	147, 627

<sup>1</sup> 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 May is shown in table 10, by type of project.

TABLE 10.—*Employment and Pay Rolls on Projects Financed by the Work Projects Administration, May 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.....	1 101, 015	97, 961	\$4, 787, 293	11, 790, 773	\$0. 406	\$773, 805
Airport construction (exclusive of buildings).....	7, 098	7, 087	126, 622	513, 369	.247	17, 441
Building construction.....	40, 347	38, 597	2, 037, 836	4, 722, 753	.431	347, 954
Electrification.....	107	106	5, 924	13, 912	.426	1, 807
Forestry.....	13, 823	13, 775	614, 951	1, 578, 468	.390	93, 141
Grade-crossing elimination <sup>1</sup> .....	139	108	6, 905	13, 810	.500	51, 536
Hydroelectric power plants <sup>2</sup> .....	1, 239	1, 208	49, 277	206, 404	.239	8, 000
Plant, crop, and livestock conservation.....	8, 615	8, 368	477, 178	1, 050, 018	.454	69, 761
Professional, technical, and clerical.....	4, 217	4, 120	295, 454	498, 748	.592	13, 263
Public roads <sup>3</sup> .....	195	167	13, 161	18, 925	.695	14, 696
Reclamation.....	16, 346	16, 006	803, 457	2, 059, 362	.390	76, 878
River, harbor, and flood control.....	709	613	37, 675	75, 687	.498	10, 463
Streets and roads.....	2, 393	2, 162	106, 204	287, 394	.370	22, 352
Water and sewerage.....	596	567	21, 188	73, 464	.288	5, 864
Miscellaneous.....	5, 191	5, 077	191, 461	678, 459	.282	40, 649
Projects operated by Work Projects Administration <sup>4</sup>						
All projects.....	<sup>5</sup> 1, 837, 854	.....	\$110, 140, 815	247, 372, 767	\$0. 445	( <sup>6</sup> )

<sup>1</sup> Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.<sup>2</sup> These data are for projects under the jurisdiction of the Public Roads Administration.<sup>3</sup> These data are for projects under construction in Puerto Rico.<sup>4</sup> Data are for the calendar month. Will be published by type of project in June pamphlet.<sup>5</sup> Represents number of names on pay roll as of May 29, 1940.<sup>6</sup> 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 April is shown in table 11, by type of project.

TABLE 11.—*Employment and Pay Rolls on Projects Operated by the Work Projects Administration, by Type of Project, April 1940*

[Subject to revision]

Type of project	Number employed <sup>1</sup>	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour
All projects.....	2, 010, 598	\$116, 145, 146	264, 738, 186	\$0. 439
Conservation.....	70, 262	4, 092, 668	9, 386, 001	.436
Highway, road, and street.....	858, 780	45, 198, 199	112, 892, 676	.400
Professional, technical, and clerical.....	342, 521	22, 915, 723	45, 764, 924	.501
Public buildings.....	156, 030	9, 268, 789	18, 956, 258	.489
Publicly owned or operated utilities.....	211, 653	12, 736, 921	27, 881, 321	.457
Recreational facilities.....	110, 612	6, 745, 076	14, 277, 931	.472
Sanitation and health.....	32, 703	1, 736, 015	4, 253, 139	.405
Sewing, canning, and gardening, etc.....	167, 541	8, 318, 181	21, 543, 518	.386
Transportation.....	21, 298	1, 297, 508	2, 645, 355	.490
Not elsewhere classified.....	49, 198	3, 836, 071	7, 107, 063	.540

<sup>1</sup> As of Apr. 24, 1940.

### NATIONAL YOUTH ADMINISTRATION

Employment and pay rolls on the National Youth Administration projects for May and April 1940 are shown in table 12.

**TABLE 12.—Employment and Pay Rolls on National Youth Administration Projects, May and April 1940**

[Subject to revision]

Type of project	Number of employees		Amount of pay rolls	
	May	April	May	April
Total.....	777, 915	804, 084	\$9, 031, 923	\$9, 309, 006
Student work program.....	477, 810	481, 809	3, 438, 029	3, 375, 847
Out-of-school work program..	300, 105	322, 275	5, 593, 894	5, 933, 159

### CIVILIAN CONSERVATION CORPS

Employment and pay rolls in the Civilian Conservation Corps in May and April 1940 are presented in table 13.

**TABLE 13.—Employment and Pay Rolls in the Civilian Conservation Corps, May and April 1940 <sup>1</sup>**

Group	Number of employees		Amount of pay rolls	
	May	April	May	April
All groups.....	312, 094	314, 394	\$14, 003, 437	\$14, 021, 505
Enrolled personnel <sup>2</sup> .....	273, 886	277, 810	8, 539, 310	8, 644, 958
Nurses <sup>3</sup> .....	237	235	32, 195	32, 281
Educational advisers <sup>3</sup> .....	1, 560	1, 597	263, 745	265, 285
Supervisory and technical <sup>3</sup> .....	36, 411	434, 752	5, 168, 187	45, 078, 981

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

<sup>2</sup> May data include 3,675 enrollees and pay roll of \$74,088 outside continental United States; in April the corresponding figures were 4,085 enrollees and pay roll of \$89,065.

<sup>3</sup> Included in executive service table 9.

<sup>4</sup> Revised.

### 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 May are presented in table 14, by type of project.

TABLE 14.—*Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, May 1940*<sup>1</sup>

[Subject to revision]

Type of project	Maximum number of wage earners <sup>2</sup>	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
All projects.....	1,864	\$234,089	231,504	\$1.011	\$356,019
Building construction <sup>3</sup> .....	1,660	206,437	201,715	1.023	216,544
Streets and roads.....	50	6,920	7,297	.948	7,145
Water and sewerage.....	154	20,732	22,492	.922	132,330

<sup>1</sup> Data are for the month ending on the 15th.

<sup>2</sup> Maximum number employed during any 1 week of the month by each contractor.

<sup>3</sup> Includes 862 employees; pay-roll disbursements of \$135,048; 120,033 man-hours worked; and material orders placed of \$95,217 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 May are given in table 15, by type of project.

TABLE 15.—*Employment and Pay Rolls on Construction Projects Financed from Regular Federal Appropriations, by Type of Project, May 1940*<sup>1</sup>

[Subject to revision]

Type of projects	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 <sup>2</sup> number employed	Weekly wage				
All projects.....	276,098	258,925	\$30,177,734	39,174,742	\$0.770	\$39,535,830
Building construction.....	24,927	20,581	2,347,563	2,516,167	.933	4,948,264
Electrification:						
Rural Electrification Administration projects <sup>3</sup> .....	8,460	6,826	462,541	861,876	.537	1,914,793
Other than R. E. A. projects.....	375	317	19,804	29,563	.670	148,241
Forestry.....	17	17	1,055	2,268	.465	2
Heavy engineering.....	171	147	22,583	18,230	1.239	119
Public roads <sup>4</sup> .....	( <sup>5</sup> )	80,727	7,439,235	11,852,135	.628	7,941,968
Reclamation.....	22,493	21,316	3,041,537	3,365,221	.904	4,174,350
River, harbor, and flood control:						
Dredging, dikes, revetments, etc.....	25,243	21,998	2,481,078	3,711,427	.668	2,902,819
Locks and dams.....	6,049	5,864	848,029	1,006,545	.843	622,588
Ship construction:						
Naval vessels.....	73,008	70,287	10,581,208	11,925,253	.887	11,171,575
Other than naval vessels.....	22,529	20,043	2,237,682	2,715,028	.824	3,336,290
Streets and roads.....	2,064	2,356	205,639	306,981	.670	393,225
Water and sewerage.....	229	187	20,543	24,741	.830	22,376
Miscellaneous.....	8,597	8,259	469,237	839,306	.559	1,959,220

<sup>1</sup> Data are for the month ending on the 15th.

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

<sup>3</sup> Includes weekly average for public-road projects.

<sup>4</sup> Financed by Rural Electrification Administration loans.

<sup>5</sup> Under the jurisdiction of the Public Roads Administration.

<sup>6</sup> Not available, weekly average included in the total for all projects.

## STATE-ROADS PROJECTS

A record of employment and pay-roll disbursements on the construction and maintenance of roads financed wholly from State or local funds in May 1940, compared with April 1940, and May 1939, is presented in table 16.

TABLE 16.—*Employment and Pay Rolls on Construction and Maintenance of State Roads, May 1940, April 1940, and May 1939*<sup>1</sup>  
[Subject to revision]

Item	Number of employees <sup>2</sup>			Pay-roll disbursements		
	May 1940	April 1940	May 1939	May 1940	April 1940	May 1939
Total.....	174, 655	144, 349	131, 815	\$12, 920, 046	\$10, 877, 469	\$9, 765, 600
New roads.....	48, 463	32, 911	15, 696	3, 071, 048	2, 083, 721	1, 093, 200
Maintenance..	126, 192	111, 438	116, 119	9, 848, 998	8, 793, 748	8, 672, 400

<sup>1</sup> Projects financed wholly from State or local funds. May and April 1940 data are for the calendar month; May 1939 for the month ending on the 15th.

<sup>2</sup> Average number working during month.

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