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EMPLOYMENT AND PAY ROLLS

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Employment and Pay Rolls

SUMMARY OF REPORTS FOR FEBRUARY 1940

Total Nonagricultural Employment

APPROXIMATELY 50,000 fewer workers were employed in non-agricultural industries in mid-February than in mid-January. Because of the substantial gains in industrial activity during the past year, however, there were over 1,000,000 more workers engaged in these occupations in February of this year than a year ago. The decline from the preceding month was due in large measure to seasonal lay-offs in retail stores, wholesale houses, and public construction. Such declines in February have usually been offset in past years by a seasonal increase in manufacturing employment, whereas this year there was a small decrease—less than 0.1 percent, or about 1,800 factory workers.

A number of the major durable-goods industries such as iron and steel, electrical machinery, automobiles, hardware, furniture, brick, glass, and sawmills reported reduced employment instead of the customary February expansion, resulting in a net decline for the group as a whole. In factories manufacturing nondurable goods, employment showed a gain, largely because of seasonal expansion in the clothing industries.

The current employment declines of about 20,000 in retail trade and 6,000 in wholesale trade correspond closely to the declines which took place in February 1939. Class I steam railroads added nearly 3,800 men to their rolls, while in metal mining, oil production, laundries, and dyeing and cleaning, employment fell slightly. In private building construction and quarrying there were small contraseasonal employment gains following the sharply curtailed operations which had been caused by extremely severe weather in January.

These figures do not include emergency employment, which increased 72,000 as follows: 58,000 on projects operated by the Work Projects Administration and 14,000 on the out-of-school work program of the National Youth Administration. Employment in the Civilian Conservation Corps was unchanged from January to February.

Industrial and Business Employment

Declines in employment were shown by 47 of the 90 manufacturing industries surveyed by the Bureau of Labor Statistics and by 9 of the 16 nonmanufacturing industries covered. Pay-roll reductions were reported by 46 of the manufacturing and 8 of the nonmanufacturing industries.

All manufacturing industries combined showed a small employment decline—less than 0.1 percent, or 1,800 workers—and a reduction of 0.5 percent, or \$1,000,000, in weekly pay rolls. The seasonally expected changes are gains of 1.6 percent for employment and 4.8 percent for pay rolls. Compared with February of last year, manufacturing employment and pay rolls were 8.3 percent and 13.7 percent higher. Among the more important January–February employment declines, all of them contraseasonal, were steel (14,200 workers); automobiles (6,800); brass, bronze, and copper (4,800); brick, tile, and terra cotta (4,200); silk and rayon goods (4,200); woolen and worsted goods (2,900); furniture (2,200); and book and job printing (1,900). Slaughtering and meat packing firms showed a somewhat smaller than seasonal decline of 6,100 workers.

The more important employment increases over the month interval, some greater than seasonal, were in women's clothing (18,000 workers); men's clothing (7,900); boots and shoes (5,300); electric- and steam-railroad cars (4,000); cigars and cigarettes (3,800); stoves (3,700); millinery (3,500); shipbuilding (2,800); agricultural implements (2,600); and machine tools (2,300).

Retail stores reduced the number of their employees seasonally by 0.8 percent and their pay rolls by 1.1 percent. Compared with February of last year, however, there were gains of 2.6 percent in employment and 3.4 percent in pay rolls. The more important lines of retail trade which showed employment declines from January to February were department stores and mail-order houses, women's ready-to-wear clothing, men's and boys' clothing and furnishings, shoes, drugs, and fuel and ice. These losses were offset to some extent by the increases reported by variety and limited-price stores; by stores dealing in groceries, meats, and vegetables; and by several less important lines of retail trade.

In wholesale trade there were seasonal declines of 0.4 percent in employment and 0.5 percent in pay rolls. The more important lines of wholesale trade showing employment decreases were farm products; petroleum products; automotive; lumber and building materials; chemicals, drugs, and allied products; hardware; and metals and minerals. Seasonal gains were shown by wholesale dealers in groceries, dry goods and apparel, electrical goods, and furniture and house furnishings.

Anthracite employment rose 1 percent but pay rolls fell 37.3 percent from the high January level, primarily because of sharply curtailed production in the week beginning February 5. Employment in bituminous-coal mines remained virtually unchanged while pay rolls rose 1.2 percent because of increased production. In metal mines employment fell less than seasonally (0.5 percent). Quarries showed a contraseasonal employment gain of 0.9 percent coupled with a pay-roll rise of 4.5 percent. Employment in the public utility industries increased because of extra help hired by light and power companies and street railways to cope with storm conditions. The small gain in employment in private building construction resulted largely from a resumption of activity following the sharp curtailment caused by severe weather in January. This was the only February increase

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

Industry	Employment			Pay rolls			Average weekly earnings		
	Index, February 1940	Percentage change from—		Index, February 1940	Percentage change from—		Average in February 1940	Percentage change from—	
		January 1940	February 1939		January 1940	February 1939		January 1940	February 1939
All manufacturing industries combined ¹ ..	(1923-25 = 100) 101.4	-0.1	+8.3	(1923-25 = 100) 97.8	-0.5	+13.7	\$25.20	-0.4	+4.9
Class I steam railroads ²	55.6 (1929 = 100)	+4	+5.5	(³) (1929 = 100) 97.8	(³)	(³)	(³)	(³)	(³)
Coal mining:									
Anthracite ⁴	52.0	+1.0	-2	32.9	-37.3	-27.2	20.76	-38.0	-27.0
Bituminous ⁴	91.8	-(⁵)	+3.5	88.0	+1.2	+8.4	26.02	+1.2	+4.7
Metalliferous mining	66.1	-5	+8.4	63.8	+3	+19.6	30.28	+8	+10.3
Quarrying and nonmetallic mining	38.1	+9	+7	30.9	+4.5	+4.2	19.88	+3.6	+3.5
Crude-petroleum production	63.1	-2	-5.0	58.7	+5	-6.4	34.22	+7	-1.5
Public utilities:									
Telephone and telegraph ⁶	75.8	-4	+1.9	95.5	-1.9	+2.0	7 30.91	-1.5	+1
Electric light and power ⁶	89.4	+2	+2.8	102.5	+9	+4.9	7 34.94	+6	+2.1
Street railways and busses ^{6 8}	69.2	+6	+7	71.9	+3.8	+4.6	7 34.23	+3.2	+3.9
Trade:									
Wholesale ⁹	90.3	-4	+2.7	76.8	-5	+2.9	7 29.53	-1	+2
Retail ⁹	87.1	-8	+2.6	79.1	-1.1	+3.4	7 21.44	-3	+8
Hotels (year-round) ^{4 10}	93.0	+1.8	+4	82.9	+2.2	+1	7 15.48	+4	-3
Laundries ⁴	95.7	-4	+3.1	82.9	-5	+5.5	17.86	-2	+2.3
Dyeing and cleaning ⁴	93.6	-3	+1.6	64.3	-1.9	+1.7	19.07	-1.5	+1
Brokerage	(³)	-8	-2.2	(³)	-1.1	-3.2	7 36.92	-4	-1.1
Insurance	(³)	+1	+1.2	(³)	+3	+2.8	7 36.89	+2	+1.5
Building construction	(³)	+1.0	+1.9	(³)	-1.8	+8.5	28.84	-2.7	+6.4

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 Less than 1/10 of 1 percent.

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 the MONTHLY LABOR REVIEW prior to April 1940. Revised series available upon request.

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

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

⁹ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of pamphlet.

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

since 1932. Pay rolls, however, decreased 1.8 percent, primarily because the pay-roll declines reported in certain sections of the country (New England, Middle Atlantic States, and Mountain States) were much sharper than the employment declines.

The preliminary report of the Interstate Commerce Commission showed an employment gain by class I railroads from January to February of 0.4 percent. The total number employed in the current month was 993,022. Corresponding pay rolls were not available when this report was prepared; for January they were \$163,709,090, a gain of 2.4 percent from December.

Hours and earnings.—The average hours worked per week by manufacturing wage earners were 37.3 in February, a decrease of 0.5 percent since January. The average hourly earnings of these workers were 66.3 cents, a gain of less than 0.1 percent from the preceding month. The average weekly earnings of factory workers were \$25.20, a decline of 0.4 percent since January.

Of the 14 nonmanufacturing industries for which man-hours are available, 8 showed an increase in average hours worked per week and 5 reported gains in average hourly earnings. Eight of the sixteen nonmanufacturing industries surveyed reported higher average weekly earnings.

Employment and pay-roll indexes and average weekly earnings in February 1940 for all manufacturing industries combined, for selected nonmanufacturing industries, and for class I railroads, with percentage changes over the month and year intervals, are given in table 1.

Public Employment

The rapid decline of employment on construction projects financed by the Public Works Administration, resulting in part from seasonal influences and in part from the lack of new contract awards, continued during the month ending February 15 with a further decrease of 24,000. Wage payments of \$10,814,000 to the 109,000 workers still employed were \$1,514,000 less than in January.

Because of inclement weather, contractors on low-rent projects of the United States Housing Authority curtailed employment by 2,000 during the month ending February 15. The 30,000 building-trades workers employed on these projects were paid \$2,781,000 for the month, a decrease of \$207,000 from the preceding month.

Employment on construction projects financed from regular Federal appropriations dropped from 207,000 to 204,000 in the month ending February 15. Increases were reported on ship construction, building construction, heavy engineering, and miscellaneous projects, while all other types of projects showed decreases. Pay-roll disbursements of \$21,918,000 for all types of projects were \$341,000 less than in January.

Approximately 2,300 men were employed on construction projects financed by the Reconstruction Finance Corporation in the month ending February 15. Pay rolls for the month amounted to \$242,000.

The number of persons at work on relief projects of the Work Projects Administration increased 58,000 in February, bringing the number employed on these projects to 2,250,000. The relief load, however, was less by 703,000 workers than in February 1939. Wage payments of \$111,475,000 to workers on relief projects were \$5,277,000 more than in January. Federal Agency projects financed by the Work Projects Administration furnished employment to 92,000 workers in February, a decrease of 5,000 from January. Pay rolls for the month totaled \$4,431,000.

The National Youth Administration gave employment to 14,000 additional youths on the out-of-school work program in February and 18,000 students were added to the rolls of the student-work program.

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

[Preliminary figures]

Class	Employment			Pay rolls		
	Febru- ary	January	Per- centage change	February	January	Per- centage change
Federal services:						
Executive ²	939, 015	\$ 938, 403	+0.1	\$141, 918, 239	\$144, 062, 412	-1.5
Judicial.....	2, 379	2, 360	+ .8	579, 826	598, 394	-3.1
Legislative.....	5, 883	5, 889	- .1	1, 302, 205	1, 297, 362	+ .4
Military.....	449, 776	\$ 434, 745	+3.5	31, 846, 400	\$ 28, 965, 602	+9.9
Construction projects:						
Financed by P. W. A. ⁴	109, 083	132, 538	-17.7	10, 814, 115	12, 327, 754	-12.3
U. S. H. A. low-rent housing.....	30, 268	32, 313	-6.3	2, 780, 651	2, 987, 099	-6.9
Financed by R. F. C. ⁵	2, 324	2, 260	+2.8	242, 349	227, 685	+6.4
Financed by regular Federal ap- propriations.....	203, 893	\$ 206, 945	-1.5	21, 918, 250	\$ 22, 259, 156	-1.5
Federal Agency projects financed by Work Projects Administra- tion.....	92, 468	96, 663	-4.3	4, 430, 881	4, 411, 390	+ .4
Projects operated by W. P. A.	2, 249, 912	2, 192, 283	+2.6	111, 474, 813	106, 197, 761	+5.0
National Youth Administration:						
Out-of-school work program.....	336, 002	322, 367	+4.2	6, 144, 372	5, 815, 229	+5.7
Student work program.....	455, 510	437, 457	+4.1	3, 111, 205	2, 858, 839	+8.8
Civilian Conservation Corps.....	336, 861	336, 631	+ .1	14, 663, 271	14, 701, 057	- .3

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 120,874 employees and pay-roll disbursements of \$15,796,962 for February 1940; and 123,031 employees and pay-roll disbursements of \$16,201,550 for January 1940.

³ Revised.

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 8,383 wage earners and \$800,435 pay roll for February 1940; 9,466 wage earners and \$862,605 pay roll for January 1940, covering Public Works Administration projects financed from Emergency Relief Appropriation Acts of 1935, 1936, and 1937 funds. Includes 95,949 wage earners and \$9,505,578 pay roll for February 1940; 117,799 wage earners and \$10,854,124 pay roll for January 1940, covering Public Works Administration projects financed from funds provided by the Public Works Administration Appropriation Act of 1938.

⁵ Includes 960 employees and pay-roll disbursements of \$96,209 for February 1940; 803 employees and pay-roll disbursements of \$75,852 for January 1940 on projects financed by the RFC Mortgage Co.

Employment in camps of the Civilian Conservation Corps remained approximately the same as in January. Of the 337,000 on the pay roll, 300,600 were enrollees, 1,600 educational advisers, 300 nurses,

and 34,500 supervisory and technical employees. Pay-roll disbursements for all groups of employees were \$14,663,000.

In the regular services of the Federal Government, increases were reported in the executive, judicial, and military services and a decrease in the legislative service. Of the 939,000 employees in the executive service 128,000 were working in the District of Columbia and 811,000 outside the District. Force-account employees (employees on the pay roll of the U. S. Government who are engaged on construction projects and whose period of employment terminates as the project is completed) were 9.0 percent of the total number of employees in the executive service. Increased employment was reported in the Post Office and Navy Departments, Panama Canal, and Federal Security Agency while decreases were reported in the War Department, Department of the Interior, Federal Works Agency, and Tennessee Valley Authority.

The number of men at work on State-financed road projects increased 17,000 in February. Of the 136,000 at work, 16,000 were engaged in the construction of new roads and 120,000 on maintenance. Pay rolls for both types of road work were \$9,599,000.

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



DETAILED TABLES FOR FEBRUARY 1940

Industrial and Business Employment

SCOPE AND METHOD

MONTHLY reports on employment and pay rolls are available for the following groups: 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 nonmanufacturing—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 trade and dyeing and cleaning 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 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 February 1939 are computed from chain indexes based on the month-to-month percentage changes.

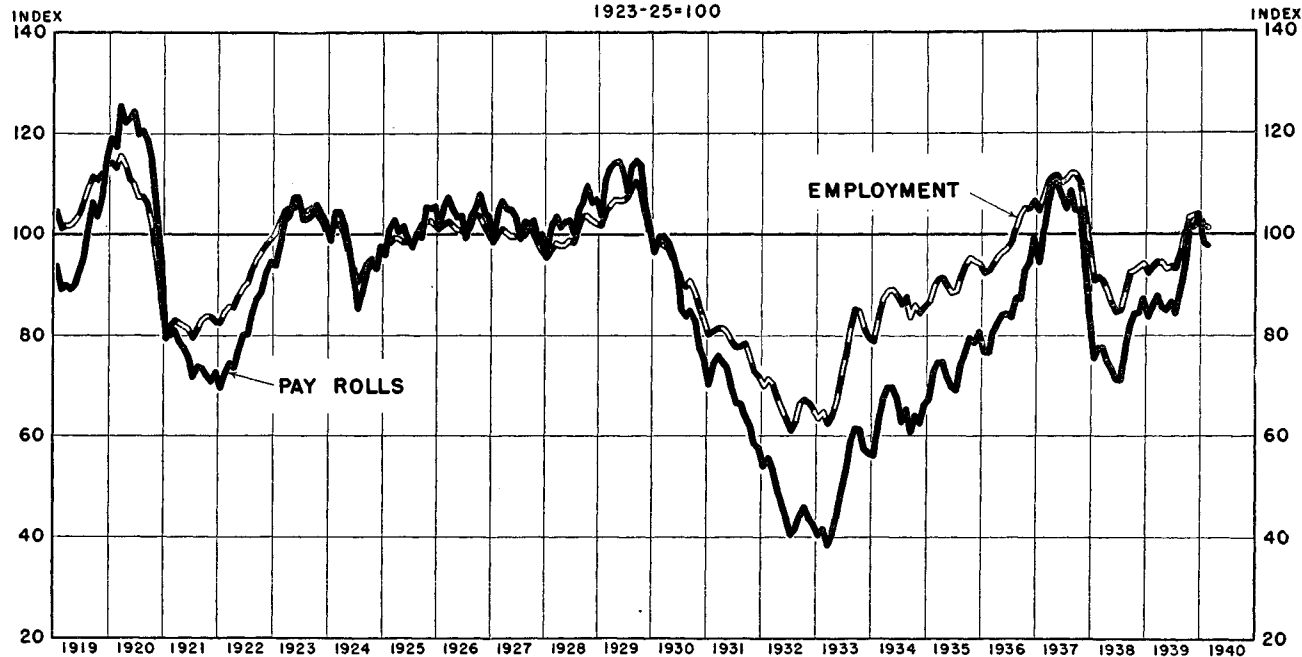
EMPLOYMENT AND PAY-ROLL INDEXES, AVERAGE HOURS, AND AVERAGE EARNINGS

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 February 1940 are shown in table 3. Percentage changes from January 1940 and February 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 December 1939 and January and February 1940, where

EMPLOYMENT AND PAY ROLLS ALL MANUFACTURING INDUSTRIES

1923-25=100



UNITED STATES BUREAU OF LABOR STATISTICS

ADJUSTED TO 1937 CENSUS

available, are presented in table 4. The December and January 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 nonmanufacturing industries, by months, from February 1939 to February 1940, inclusive. The accompanying chart indicates the trend of factory employment and pay rolls from January 1919 to February 1940.

TABLE 3.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, February 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 Febru- ary 1940	Percentage change from—		Index Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—	
		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939
All manufacturing.....	101.4	-0.1	+8.3	97.8	-0.5	+13.7	\$25.20	-0.4	+4.9	37.3	-0.5	+0.4	Cents 66.3	+ (?)	+3.3
Durable goods.....	98.5	-9	+15.8	96.6	-1.6	+24.3	28.60	-7	+7.3	37.9	-6	+3.6	72.6	+ (?)	+2.6
Nondurable goods.....	106.1	+7	+2.5	99.1	+6	+4.0	21.73	-1	+1.4	36.8	-3	-2.2	60.8	+0.2	+2.9
<i>Durable goods</i>															
Iron and steel and their products, not including ma- chinery.....	106.7	-1.5	+18.6	101.0	-5.0	+23.6	27.95	-3.6	+4.3	36.5	-3.0	+2.4	76.4	-2	+1.6
Blast furnaces, steel works, and rolling mills...	117.4	-2.9	+23.8	110.2	-7.6	+28.3	29.69	-4.9	+3.6	35.4	-4.6	+3.4	83.8	-3	+2
Bolts, nuts, washers, and rivets.....	114.3	-2.4	+17.8	125.8	+1.1	+20.4	26.54	+3.6	+1.1	39.0	+4.0	+3.0	68.2	-4	-1.5
Cast-iron pipe.....	75.6	+1.6	+6.9	67.6	+4.2	+14.6	21.68	+2.6	+7.2	35.9	+2.4	+3.9	59.9	+2	+3.4
Cutlery (not including silver and plated cut- lery) and edge tools.....	103.9	-7	+15.6	90.0	-2.6	+15.2	22.74	-1.9	-4	38.3	-1.5	-5	60.5	-2	+1.0
Forgings, iron and steel.....	71.9	-7	+30.5	84.1	-2.0	+46.6	31.86	-1.4	+12.3	40.8	-1.4	+9.5	78.2	+1	+2.9
Hardware.....	101.3	-2.1	+15.6	100.7	-7.5	+23.5	24.68	-5.4	+6.9	36.4	-6.0	+3.3	67.3	+5	+3.5
Plumbers' supplies.....	81.9	-4	+9.6	70.7	-1	+9.6	25.15	+3	+1	36.5	-1.1	-2.5	69.0	+1.4	+2.7
Stamped and enameled ware.....	161.4	+2.2	+12.4	161.6	+9	+12.6	23.88	-1.3	+2	37.7	-7	-9	62.6	-7	+1.0
Steam and hot-water heating apparatus and steam fittings.....	84.4	+1.5	+14.1	75.6	+2.4	+24.0	27.45	+9	+8.4	38.9	+6	+7.0	70.6	+2	+1.5
Stoves.....	86.0	+10.2	+8.8	74.5	+15.3	+9.4	24.71	+4.6	+7	36.8	+3.3	-9	67.4	+1.4	+1.3
Structural and ornamental metalwork.....	71.6	-2.5	+12.9	61.2	-2.2	+15.6	27.71	+2	+2.3	37.7	-4	+1.5	73.2	+7	+5
Tin cans and other tinware.....	92.7	-1.0	+5.4	93.0	-4.0	+6.9	22.82	-3.0	+1.5	36.8	-3.1	-8	62.0	+2	+1.9
Tools (not including edge tools, machine tools, files, and saws).....	96.2	+ (?)	+13.9	96.4	-1.1	+17.9	25.37	-1.1	+3.6	40.7	-1.1	+1.2	62.6	- (?)	+2.5
Wirework.....	162.0	-5.8	+6.8	175.3	-7.1	+18.0	26.93	-1.4	+10.5	38.4	-2.2	+5.1	70.2	+8	+5.2
Machinery, not including transportation equip- ment.....	113.1	+6	+21.0	119.3	+2	+31.4	29.67	-5	+8.7	40.1	-8	+6.5	73.7	+2	+1.5
Agricultural implements (including tractors)...	141.1	+4.4	+11.1	163.8	+5.2	+16.0	31.14	+8	+4.5	39.2	+6	+4.8	79.7	+2	-6
Cash registers, adding machines, and calcu- lating machines.....	127.9	+1.2	-2.6	130.5	+1.5	+8.2	32.17	+3	+11.1	39.1	+ (?)	+9.4	82.5	+2	+9
Electrical machinery, apparatus, and supplies	101.6	-1	+20.5	111.6	-7	+28.4	29.53	-6	+6.4	39.3	-1.0	+5.1	75.3	+4	+1.1

Engines, turbines, water wheels, and wind-mills.....	133.0	+6.1	+47.8	171.6	+6.1	+65.1	34.09	0	+11.8	42.1	-1.2	+7.5	81.3	+1.1	+3.8
Foundry and machine-shop products.....	97.6	+4	+20.6	94.2	-1.1	+29.4	28.89	-1.5	+7.3	39.9	-1.2	+5.9	72.3	-4	+1.3
Machine tools.....	204.8	+4.0	+54.9	270.7	+4.7	+90.9	36.60	+7	+23.3	47.8	+7	+19.8	76.6	+(?)	+3.0
Radios and phonographs.....	125.8	-7.6	+11.1	113.2	-7.4	+17.6	22.28	+3	+5.8	36.6	-1.3	-5	60.9	+1.7	+5.4
Textile machinery and parts.....	85.9	-3	+19.3	81.4	-2.4	+23.0	25.97	-2.1	+2.9	39.9	-1.7	+5.2	65.2	-5	-2.2
Typewriters and parts.....	117.5	-4.2	-7.0	110.0	-1.2	-9.0	22.96	+3.1	-2.1	35.6	+1.9	-2.7	64.4	+1.2	+5
Transportation equipment.....	114.7	-7	+18.5	118.2	-1	+29.0	33.36	+7	+9.0	37.7	+2	+9.7	89.4	+2	+(?)
Aircraft.....	2,041.5	+6	+113.4	1,884.2	-9	+97.7	28.77	-1.4	-7.3	41.2	-6	-1.6	73.0	-1.5	-3.2
Automobiles.....	113.0	-2.4	+8.2	118.5	-1.2	+21.7	34.74	+1.2	+12.5	37.2	+7	+10.9	93.5	+5	+1.4
Cars, electric- and steam-railroad.....	59.0	+11.9	+58.4	54.3	+14.8	+76.3	28.83	+2.6	+11.5	39.1	+1.2	+10.5	73.8	+1.4	+9
Locomotives.....	28.9	+1.9	+71.3	27.2	-(?)	+104.7	28.93	-1.9	+19.5	37.4	-8	+18.8	77.3	-1.1	+6
Shipbuilding.....	142.7	+3.8	+29.4	149.9	+1.3	+29.1	31.53	-2.4	-3	37.1	-2.7	-1.2	85.7	+1.2	+3.0
Nonferrous metals and their products.....	107.1	-2.5	+15.0	103.4	-4.9	+21.2	26.65	-2.5	+5.3	38.4	-2.0	+5	69.6	-5	+4.4
Aluminum manufactures.....	171.3	+6	+26.3	194.8	+1.1	+31.6	27.72	+4	+4.2	39.4	0	+4	70.2	+4	+3.3
Brass, bronze, and copper products.....	128.3	-5.4	+22.9	136.4	-9.3	+35.8	28.96	-4.0	+10.5	39.2	-3.3	+5.0	74.3	-7	+5.5
Clocks and watches and time-recording devices.....	91.2	+7	+9.1	94.5	+1.7	+12.1	22.96	+1.0	+2.8	38.5	+3	-6	59.6	+6	+2.9
Jewelry.....	91.0	+2.2	+2.4	69.2	-4.9	-4.8	21.31	-6.9	-6.9	35.5	-6.2	-9.4	59.6	-9	+3.6
Lighting equipment.....	88.0	-5.2	+5.8	70.8	-4.5	+3.0	25.68	+7	-2.8	36.5	+8	-4.1	70.5	-(?)	+2.0
Silverware and plated ware.....	70.8	-1.3	+4.7	59.4	-3.1	-5	24.18	-1.8	-5.1	38.3	-1.0	-4.5	64.2	+1.2	-1
Smelting and refining—copper, lead, and zinc.....	87.0	+1	+12.3	85.9	-7	+18.3	27.75	-8	+5.4	38.8	-1	+2.3	71.5	-7	+3.2
Lumber and allied products.....	66.7	-9	+7.6	59.9	+1.7	+13.5	19.69	+2.6	+5.5	37.9	+2.5	-1.8	51.3	+2	+5.6
Furniture.....	89.0	-1.4	+6.8	76.0	+2.0	+9.1	20.64	+3.5	+2.2	38.6	+3.2	-1.0	53.9	+3	+2.6
Lumber:															
Millwork.....	60.7	-1.3	+9.4	47.0	-(?)	+10.4	21.58	+1.2	+1.0	39.7	+9	-8	54.4	+3	+1.5
Sawmills.....	59.1	-7	+7.5	52.0	+1.9	+17.6	18.19	+2.6	+5.9	37.0	+2.5	-2.5	49.1	+1	+8.6
Stone, clay, and glass products.....	75.5	-2.8	+4.7	65.3	-2.4	+6.0	23.71	+5	+1.3	35.4	+5	-8	66.2	-3	+2.3
Brick, tile, and terra cotta.....	52.9	-7.2	+2.3	39.6	-8.8	+2.4	19.30	-1.8	-2	34.6	-1.1	-4.5	55.4	-5	+3.2
Cement.....	55.4	-4.0	+4	48.1	-4.7	+2	24.63	-8	-(?)	35.0	-1.3	-2.3	70.4	+5	+2.4
Glass.....	102.5	-2.9	+7.7	108.3	-4.2	+10.6	25.89	-1.4	+2.8	35.2	-1	+1.0	73.8	-1.2	+1.9
Marble, granite, slate, and other products.....	42.6	+9.6	+1	29.1	+21.8	+8	23.96	+11.2	+9	34.0	+9.1	-9	70.4	+2.0	+2.0
Pottery.....	92.9	+6	+8.1	84.3	+4.4	+6.4	23.03	+3.8	-1.5	37.7	+2.2	+1.9	62.5	-8	-1.0
<i>Nondurable goods</i>															
Textiles and their products.....	105.7	+1.9	+1.1	91.5	+4.3	+1.3	17.48	+2.4	+3	35.1	+6	-3.4	50.5	+1.3	+3.5
Fabrics.....	95.7	-4	+1.7	84.3	-6	+2.2	16.98	-1	+5	35.7	-1.1	-4.2	48.4	+8	+5.0
Carpets and rugs.....	82.2	-1	+6.9	70.6	-2.4	+11.1	23.76	-2.2	+4.0	36.0	-2.2	-1.8	66.0	-1	+5.7
Cotton goods.....	95.5	-5	+8.7	87.4	-1.8	+14.8	14.92	-1.3	+5.7	36.2	-1.6	-2.0	41.1	+2	+7.7
Cotton small wares.....	84.8	-3.1	+1.5	75.2	-7.7	-5.9	17.23	-4.8	-7.3	36.2	-4.5	-9.4	48.5	-(?)	+3.2
Dyeing and finishing textiles.....	130.1	+3	+1.6	109.2	-2	-2.4	20.46	-6	-4.0	37.3	-1.0	-6.6	54.3	+3	+2.0
Hats, fur-felt.....	91.5	+6	-6	84.4	-5	+4.4	25.13	-1.1	+4.8	35.4	+1	+1.2	73.2	-2	+3.8
Hosiery.....	145.3	+1.1	-5.4	150.8	+3.3	-10.5	18.90	+2.2	-5.4	33.8	+2.3	-8.0	55.3	-4	+4.8
Knitted outerwear.....	67.9	+14.3	-3	56.6	+19.5	+2.2	17.83	+4.6	+2.3	36.8	+5.2	-1.4	47.8	-1.3	+4.0
Knitted underwear.....	77.0	+2.1	+8.2	68.9	+4.4	+9.4	15.11	+2.3	+1.1	36.1	+2.3	-1.4	42.1	-8	+2.9
Knitted cloth.....	134.4	-2.1	-2	107.1	-4.5	-1.6	18.06	-2.4	-1.4	36.7	-2.7	-4.8	48.1	+3	+1.1
Silk and rayon goods.....	59.8	-5.3	-10.6	50.9	-4.2	-8.5	16.17	+1.3	+2.4	35.6	+1.7	-5.1	45.1	-4	+7.2
Woolen and worsted goods.....	84.9	-1.9	-3.4	71.7	-2.0	-3.5	19.47	-1	+1	34.4	-4.8	-6.3	56.6	+4.9	+6.6

See footnotes at end of table.

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

MANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index Febru- ary 1940	Percentage change from—		Index Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—	
		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939
<i>Nondurable goods—Continued</i>													<i>Cents</i>		
Textiles and their products—Continued.															
Wearing apparel.....	123.6	+6.5	-0.2	99.7	+13.9	+0.1	\$18.86	+7.0	+0.4	34.0	+4.4	-1.8	54.4	+1.6	+1.4
Clothing, men's.....	109.8	+4.0	+2.1	85.7	+7.0	+3.7	20.17	+2.9	+1.4	34.0	+3.2	+ ⁽²⁾	58.8	-.9	+2.0
Clothing, women's.....	176.3	+8.7	-1.9	134.1	+18.9	-3.3	20.32	+9.4	-1.4	33.4	+3.8	-3.3	55.5	+4.4	+1.9
Corsets and allied garments..	115.5	+1	+6.6	113.1	+5.4	+3.6	16.86	+5.3	-2.7	35.7	+5.3	-8.0	46.8	+5	+4.1
Men's furnishings.....	120.9	+8.5	-11.7	112.4	+18.4	-7.6	14.35	+9.1	+4.7	34.0	+5.3	-5.8	41.4	+3.1	+12.0
Millinery.....	89.5	+13.7	-1.7	77.2	+31.9	-2.4	24.58	+16.1	-.8	35.0	+8.8	-2.2	66.3	+5.9	-2.7
Shirts and collars.....	125.0	+4.5	+1.9	103.3	+10.3	+8.0	13.86	+5.6	+6.0	35.0	+7.4	+4	40.2	-2.4	+5.1
Leather and its manufactures.....	99.3	+2.0	-3.6	82.6	+4	-7.7	19.61	-1.5	-4.3	36.7	-1.4	-7.4	53.7	+8	+3.1
Boots and shoes.....	98.3	+2.5	-4.1	80.2	+1.4	-8.6	18.59	-1.1	-4.9	36.6	-1.1	-8.0	51.4	+1.2	+3.5
Leather.....	86.6	-.9	-1.9	83.3	-3.3	-4.6	23.96	-2.4	-2.9	37.4	-2.3	-4.9	63.9	-.3	+1.6
Food and kindred products.....	118.8	-.6	+4.0	115.6	-1.3	+5.1	25.00	-.7	+1.0	39.5	-.5	-1.2	63.9	-.2	+1.2
Baking.....	142.3	+7	+1	132.4	+1.0	+1.9	25.84	+3	+1.8	41.2	+7	-1.0	63.1	-.3	+2.8
Beverages.....	254.4	+2	+1.2	283.9	+1.8	+3.7	32.77	+2.0	+2.6	37.6	+2.3	+1.5	87.7	-.1	+1.1
Butter.....	88.6	-2	+1.8	75.7	+1.5	+1.6	22.78	+1.7	-.2	46.0	+1.9	+1	49.8	0	-.4
Canning and preserving.....	90.7	-.3	+7.7	77.8	-3.5	+2.5	16.86	-3.2	-4.7	34.6	-2.5	-6.9	49.9	-1.1	-3.2
Confectionery.....	84.0	+1.4	+3.8	81.3	+2	+6.3	18.91	-1.2	+2.7	38.2	-.5	+2.5	49.9	-.2	+1.0
Flour.....	79.3	+4	+3.7	73.7	+4	+7.4	25.14	+1	+3.5	41.0	-.2	+1.7	60.9	+1	+2.1
Ice cream.....	66.6	+7	+5	56.7	+2.0	+1.6	29.81	+1.3	+1.0	45.0	+1.5	-3.2	64.5	-.3	+3.2
Slaughtering and meat packing..	108.7	-2.8	+13.1	111.1	-6.5	+12.8	26.88	-3.8	-.1	39.5	-4.3	-.3	67.9	+4	-.1
Sugar, beet.....	40.1	-40.9	-9.4	46.5	-25.7	-7.8	30.14	+25.7	+1.8	41.0	+18.0	+ ⁽²⁾	75.6	+9.6	+1.1
Sugar refining, cane.....	92.0	+2.6	-.2	76.6	+7.2	+2.9	23.41	+4.5	+3.3	36.1	+5.7	+3.2	64.8	-1.1	+1
Tobacco manufactures.....	61.7	+4.6	-3.1	54.0	+2.1	+2.5	16.25	-2.5	+5.8	32.8	-1.5	+1.4	49.2	-.9	+4.1
Chewing and smoking tobacco and snuff..	62.4	-2.0	-1.0	69.7	+2.3	+10.2	18.11	+4.5	+11.2	34.5	+3.7	+6.6	51.9	+9	+4.4
Cigars and cigarettes.....	61.5	+5.4	-3.5	52.0	+1.9	+1.2	15.84	-3.3	+4.9	32.6	-2.1	+7	48.8	-1.1	+4.1

Paper and printing.....	114.6	-4	+3.2	108.6	-1.3	+4.8	28.37	-8	+1.6	37.8	-8	-1	78.3	0	+1.5
Boxes, paper.....	114.8	-1.5	+5.9	119.4	-1.8	+3.5	20.75	-3	-2.5	37.3	-5	-4.0	55.7	0	+1.3
Paper and pulp.....	113.0	-1.0	+6.3	116.9	-6	+11.1	25.42	+4	+4.5	39.8	-4	+5	63.8	+8	+3.9
Printing and publishing:															
Book and job.....	101.2	-1.3	+1.0	87.0	-5.0	+2.5	30.05	-3.7	+1.5	37.9	-2.7	+1.5	80.4	-1.2	+3
Newspapers and periodicals..	115.4	+1.6	+1.6	107.5	+1.7	+2.6	37.59	+(?)	+9	35.9	+8	-3	101.8	-2	+2.0
Chemical, petroleum, and coal products.....	120.7	-2	+6.4	131.1	+1	+10.3	29.31	+3	+3.5	38.4	-2	+4	75.5	+1	+3.7
Petroleum refining.....	120.9	-5	+2.9	134.4	+7	+1.4	34.78	+1.2	-1.4	35.9	+9	-2.2	97.5	+4	+7
Other than petroleum refining...	120.7	-2	+7.4	130.1	-2	+13.3	27.24	0	+5.6	39.2	-5	+1.3	68.0	+1	+5.9
Chemicals.....	135.2	-5	+14.4	158.2	-1.0	+19.9	31.57	-5	+4.9	39.6	-6	+4.3	79.8	+1	+4.3
Cottonseed—oil, cake, and meal..	95.1	-7.8	-3.0	88.8	-10.6	+15.3	15.21	-3.1	+18.8	44.1	-4.6	+4.3	33.8	+1.1	+13.0
Druggists' preparations..	119.4	+8	+9.6	130.4	+9	+10.8	24.74	+2	+1.0	39.4	-6	+2	60.0	+1.2	+1.1
Explosives.....	105.5	+2.0	+25.1	127.5	+5.4	+31.3	33.16	+3.4	+5.0	39.4	+3.0	+7	84.2	+3	+4.3
Fertilizers.....	109.3	+4.0	+2.1	83.7	+1.4	+11.3	13.81	-3.6	+7.5	34.2	+9	+1.3	40.4	-4	+8.0
Paints and varnishes.....	123.2	-3	+5.1	129.3	+6	+9.6	28.65	+8	+3.3	39.6	0	-4	72.5	+9	+3.8
Rayon and allied products.....	313.3	-(?)	+2.4	321.3	+3	+11.7	26.33	+3	+9.0	39.1	+6	+3.9	67.4	-3	+4.9
Soap.....	84.4	+1.1	+5.7	100.3	+1	+5.7	27.81	-1.1	-(?)	39.1	-8	-7	71.1	-3	+8
Rubber products.....	88.0	-2.2	+8.0	88.1	-6.4	+8.8	27.40	-4.3	+7	35.3	-3.7	-2.1	77.7	+1	+2.5
Rubber boots and shoes.....	56.8	-3.8	-4.4	52.8	-6.4	-9.0	21.32	-2.7	-4.9	35.5	-1.3	-4.9	60.0	-1.4	+(?)
Rubber tires and inner tubes..	73.0	-8	+11.4	80.4	-6.1	+13.2	32.15	-5.3	+1.7	33.6	-4.7	+9	96.3	-2	+1.2
Rubber goods other.....	145.3	-3.3	+8.6	135.2	-6.6	+7.8	22.69	-3.4	-7	37.2	-3.2	-3.8	61.6	-1	+3.7

NONMANUFACTURING

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

Coal mining:													Cents		
Anthracite ³	52.0	+1.0	-0.2	32.9	-37.3	-27.2	\$20.76	-38.0	-27.0	22.2	-39.6	-28.9	91.6	-0.4	-0.6
Bituminous ³	91.8	-(?)	+3.5	88.0	+1.2	+8.4	26.02	+1.2	+4.7	29.8	+1.3	+4.2	87.7	+1	-1.3
Metalliferous mining.....	66.1	-5	+8.4	63.8	+3	+19.6	30.28	+8	+10.3	41.2	+4	+3.7	73.8	+2	+6.6
Quarrying and nonmetallic mining..	38.1	+9	+7	30.8	+4.5	+4.2	19.88	+3.6	+3.5	35.6	+3.5	+6	55.6	-1	+2.8
Crude-petroleum production.....	63.1	-2	-5.0	58.7	+5	-6.4	34.22	+7	-1.5	38.3	+1.0	-1.1	87.4	-5	-5
Public utilities:															
Telephone and telegraph ⁴	75.8	-4	+1.9	95.5	-1.9	+2.0	30.91	-1.5	+1	38.6	-1.6	-2.6	80.5	-1	+1.3
Electric light and power ⁴	89.4	+2	+2.8	102.5	+9	+4.9	34.94	+6	+2.1	39.8	+8	+8	87.4	-7	-1
Street railways and busses ⁴ & ⁵	69.2	+6	+7	71.9	+3.8	+4.6	34.23	+3.2	+3.9	46.6	+2.4	+2.1	72.1	+2	+1.0
Trade:															
Wholesale ⁴	90.3	-4	+2.7	76.8	-5	+2.9	29.53	-1	+2	40.9	+3	-1.9	72.2	-2	+2.4
Retail ⁴	87.1	-8	+2.6	79.1	-1.1	+3.4	21.44	-3	+8	42.9	-5	(?)	54.5	+1	(?)
Food ⁵	103.1	+6	+2.4	93.8	+3	+2.7	23.75	-2	+3	43.4	-6	(?)	53.2	+3	(?)
General merchandising ⁴ & ⁵	88.1	-1.2	+3.4	80.6	-2.5	+3.2	18.05	-1.3	-2	38.9	-1.1	(?)	46.3	+2	(?)
Apparel ⁵	75.3	-3.6	+1	69.3	-5.1	+7	21.73	-1.6	+5	38.9	-1.5	(?)	55.2	-1	(?)
Furniture ⁵	76.7	+4	+1.7	67.1	+6	+5.0	28.52	+2	+3.3	44.0	+4	(?)	67.5	+4	(?)
Automotive ⁵	81.4	+1	+5.7	73.6	+7	+7.9	29.82	+6	+2.0	47.0	-4	(?)	56.6	+1	(?)
Lumber ⁵	69.2	-1.1	+1.6	63.9	-1.2	+3.1	25.88	-1	+1.4	42.0	+4	(?)	63.2	-3	(?)

See footnotes at end of table.

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

NONMANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index Febru- ary 1940	Percentage change from—		Index Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—		Febru- ary 1940	Percentage change from—	
		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939		Janu- ary 1940	Febru- ary 1939
Hotels (year-round) ^{1 2 3}	93.0	+1.8	+0.4	82.9	+2.2	+0.1	15.48	+0.4	-0.3	45.8	-0.6	-0.7	33.4	+0.6	+0.5
Laundries ³	95.7	-4	+3.1	82.9	-5	+5.5	17.86	-2	+2.3	43.0	+1	+6	41.7	-4	+1.7
Dyeing and cleaning ³	93.6	-3	+1.6	64.3	-1.9	+1.7	19.07	-1.5	+1	40.0	-2	-1.5	48.9	-1.2	+2.4
Brokerage ⁴	(⁵)	-8	-2.2	(⁵)	-1.1	-3.2	36.92	-4	-1.1	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Insurance ⁴	(⁵)	+1	+1.2	(⁵)	+3	+2.8	36.89	+2	+1.5	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
Building construction	(⁵)	+1.0	+1.9	(⁵)	-1.8	+8.5	23.84	-2.7	+6.4	30.1	-2.3	+3.3	96.3	-5	+2.9

¹ Revised series. Mimeographed sheets giving averages by years, 1932 to 1938, inclusive, and by months, January 1938 to September 1938, 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 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 REVIEW 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.

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 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		
	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939
All manufacturing	101.4	101.5	104.1	97.8	98.3	103.7	\$25.20	\$25.51	\$26.26	37.3	37.4	38.6	Cents 66.3	Cents 66.3	Cents 66.3
Durable goods.....	96.5	97.4	100.0	96.6	98.2	104.6	28.60	28.96	30.04	37.9	38.1	39.6	72.6	72.7	73.7
Nondurable goods.....	106.1	105.4	108.0	99.1	98.5	102.8	21.73	21.87	22.30	36.8	36.9	37.7	60.8	60.7	60.5
<i>Durable goods</i>															
Iron and steel and their products, not including machinery	106.7	108.3	111.4	101.0	106.3	115.3	27.95	29.07	30.71	36.5	37.6	39.4	76.4	76.6	77.2
Blast furnaces, steel works, and rolling mills.....	117.4	120.9	123.3	110.2	119.3	129.2	29.69	31.25	33.19	35.4	37.1	39.0	83.8	84.1	85.1
Bolts, nuts, washers, and rivets.....	114.3	117.2	119.8	125.8	124.4	142.1	26.54	25.61	28.91	39.0	37.4	42.3	68.2	68.4	68.3
Cast-iron pipe.....	75.6	74.4	77.5	67.6	64.8	71.7	21.68	21.14	22.43	35.9	35.1	37.9	59.9	59.8	58.7
Cutlery (not including silver and plated cutlery) and edge tools.....	103.9	104.6	108.7	90.9	93.3	101.9	22.74	23.28	24.46	38.3	39.0	41.3	60.5	60.8	60.2
Forgings, iron and steel.....	71.9	72.3	72.6	84.1	85.8	88.2	31.86	32.27	33.05	40.8	41.3	42.1	78.2	78.2	78.6
Hardware.....	101.3	103.5	105.6	100.7	108.9	117.0	24.68	26.01	27.44	36.4	38.8	40.2	67.3	67.0	68.0
Plumbers' supplies.....	81.9	82.2	83.9	70.7	70.8	77.7	25.15	25.02	26.96	36.5	36.8	39.4	69.0	68.0	68.4
Stamped and enameled ware.....	161.4	158.0	165.6	161.6	160.2	173.7	23.88	24.18	25.01	37.7	37.9	39.4	62.6	63.5	63.4
Steam and hot-water heating apparatus and steam fittings.....	84.4	83.2	86.2	75.6	73.9	79.9	27.45	27.20	28.38	38.9	38.7	40.2	70.6	70.4	70.5
Stoves.....	86.0	78.0	89.3	74.5	64.6	78.5	24.71	23.75	25.24	36.8	35.7	38.0	67.4	66.7	66.9
Structural and ornamental metalwork.....	71.6	73.4	75.4	61.2	62.6	67.2	27.71	27.65	28.74	37.7	37.9	39.3	73.2	72.7	73.1
Tin cans and other tinware.....	92.7	93.6	95.4	93.0	96.9	100.4	22.82	23.46	23.82	36.8	37.9	38.6	62.0	61.9	61.9
Tools (not including edge tools, machine tools, files, and saws).....	96.2	96.1	96.9	96.4	97.5	102.0	25.37	25.71	26.66	40.7	41.3	43.0	62.6	62.6	62.2
Wirework.....	162.0	171.9	176.4	175.3	188.8	204.4	26.93	27.31	28.81	38.4	39.3	40.9	70.2	69.5	70.5
Machinery, not including transportation equipment	113.1	112.4	113.1	119.3	119.1	122.1	29.67	29.74	30.25	40.1	40.4	41.3	73.7	73.5	73.2
Agricultural implements (including tractors).....	141.1	135.2	130.9	163.8	155.8	151.5	31.14	30.91	31.07	39.2	38.9	39.3	79.7	79.6	79.3
Cash registers, adding machines, and calculating machines.....	127.9	126.4	128.1	130.5	128.6	131.6	32.17	32.11	32.48	39.1	39.1	39.4	82.5	82.5	82.8
Electrical machinery, apparatus, and supplies.....	101.6	101.7	102.6	111.6	112.4	114.2	29.53	29.67	29.89	39.3	39.7	40.4	75.3	74.9	74.2

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		
	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939
<i>Durable goods—Continued</i>															
Machinery—Continued.													<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Engines, turbines, waterwheels, and wind-mills.....	133.0	125.3	119.8	171.6	161.8	158.6	\$34.09	\$34.10	\$34.49	42.1	42.6	43.0	81.3	80.4	80.5
Foundry and machine-shop products.....	97.6	97.2	97.2	94.2	95.2	98.6	28.89	29.27	30.35	39.9	40.4	41.7	72.3	72.6	72.7
Machine tools.....	204.8	196.8	192.2	270.7	258.5	256.2	36.60	36.41	37.03	47.8	47.4	48.2	76.6	76.9	77.0
Radios and phonographs.....	125.8	136.2	162.3	113.2	122.2	148.8	22.28	22.22	22.71	36.6	37.0	38.6	60.9	59.8	59.0
Textile machinery and parts.....	85.9	86.2	85.7	81.4	83.5	85.7	25.97	26.65	27.48	39.9	40.6	41.5	65.2	65.8	66.3
Typewriters and parts.....	117.5	122.6	127.3	110.0	111.3	121.5	22.96	22.27	23.41	35.6	34.9	36.6	64.4	63.7	64.0
Transportation equipment.....	114.7	115.5	116.5	118.2	118.3	124.1	33.36	33.23	34.51	37.7	37.4	38.5	89.4	89.4	90.1
Aircraft.....	2,041.5	2,629.7	1,886.0	1,884.2	1,900.6	1,777.9	28.77	29.21	29.39	41.2	41.5	42.3	73.0	74.1	73.5
Automobiles.....	113.0	115.8	118.1	118.5	119.9	127.9	34.74	34.28	35.81	37.2	36.7	38.1	93.5	93.4	94.0
Cars, electric- and steam-railroad.....	59.0	52.8	52.1	54.3	47.3	46.8	28.83	28.06	28.12	39.1	38.5	38.6	73.8	72.9	72.9
Locomotives.....	28.9	28.3	28.0	27.2	27.2	27.5	28.93	29.49	30.12	37.4	37.7	38.6	77.3	78.2	78.1
Shipbuilding.....	142.7	137.5	139.4	149.9	148.0	152.0	31.53	32.32	32.73	37.1	38.2	38.2	85.7	84.6	85.3
Nonferrous metals and their products.....	107.1	109.8	112.9	108.4	108.7	116.5	26.65	27.37	28.67	38.4	39.2	40.9	69.6	70.1	70.3
Aluminum manufactures.....	171.3	170.1	170.4	194.8	192.7	196.8	27.72	27.62	28.22	39.4	39.3	40.3	70.2	69.9	70.0
Brass, bronze, and copper products.....	128.3	135.7	137.7	136.4	150.3	158.9	28.96	30.28	31.63	39.2	40.5	41.8	74.3	74.9	75.8
Clocks and watches and time-recording devices.....	91.2	90.6	93.1	94.5	92.9	96.9	22.96	22.75	23.09	38.5	38.4	38.9	59.6	59.2	59.3
Jewelry.....	91.0	89.0	98.6	69.2	72.7	86.5	21.31	22.89	24.63	35.5	37.7	40.1	59.6	60.2	60.7
Lighting equipment.....	88.0	92.8	98.0	70.8	74.2	84.7	25.68	25.54	27.66	36.5	36.2	39.5	70.5	70.6	70.0
Silverware and plated ware.....	70.8	71.7	76.4	59.4	61.3	76.2	24.18	24.74	28.72	38.3	38.7	44.2	64.2	63.5	65.1
Smelting and refining—copper, lead and zinc.....	87.0	86.9	86.9	85.9	86.5	87.8	27.75	27.94	28.36	38.8	38.9	39.6	71.5	71.9	71.7
Lumber and allied products.....	66.7	67.3	71.1	59.8	58.8	65.2	19.69	19.10	20.18	37.9	36.9	38.6	51.3	51.2	51.3
Furniture.....	89.0	90.3	94.8	76.0	74.6	85.5	20.64	19.95	21.87	38.6	37.4	40.3	53.9	53.8	54.4
Lumber:															
Millwork.....	60.7	61.5	63.6	47.0	47.0	52.0	21.58	21.27	22.73	39.7	39.3	41.9	54.4	54.2	54.2
Sawmills.....	59.1	59.5	63.3	52.0	51.1	55.4	18.19	17.73	18.11	37.0	36.1	37.0	49.1	49.1	48.9
Stone, clay, and glass products.....	75.5	77.7	83.6	65.3	66.9	76.4	23.71	23.58	25.01	35.4	35.1	37.5	66.2	66.4	66.0
Brick, tile, and terra cotta.....	52.9	57.0	62.6	39.6	43.4	51.6	19.30	19.52	21.18	34.6	34.8	37.9	55.4	55.8	55.8
Cement.....	55.4	57.7	66.4	48.1	50.5	63.2	24.63	24.96	27.33	35.0	35.5	39.0	70.4	70.4	70.1

Glass.....	102.5	105.6	108.5	108.3	113.1	118.9	25.89	26.20	26.78	35.2	35.2	36.4	73.8	74.6	73.7
Marble, granite, slate, and other products..	42.6	38.8	48.5	29.1	23.9	34.8	23.96	21.54	25.00	34.0	31.4	36.0	70.4	69.0	70.4
Pottery.....	92.9	92.4	94.9	84.3	80.7	90.1	23.03	22.20	24.12	37.7	37.0	39.0	62.5	62.9	62.7
<i>Nondurable goods</i>															
Textiles and their products.....	105.7	103.7	105.8	91.5	87.7	91.8	17.48	17.26	17.72	35.1	34.8	35.9	50.5	49.9	49.7
Fabrics.....	95.7	96.1	98.7	84.3	84.8	89.5	16.98	17.07	17.54	35.7	36.0	37.2	48.4	48.1	47.9
Carpets and rugs.....	82.2	82.3	84.4	70.6	72.3	75.8	23.76	24.31	24.86	36.0	36.8	37.6	66.0	66.2	66.1
Cotton goods.....	95.5	95.9	96.8	87.4	89.0	91.5	14.92	15.18	15.43	36.2	36.8	37.6	41.1	41.2	41.0
Cotton small wares.....	84.8	87.5	91.0	75.2	81.4	87.3	17.23	18.05	18.61	36.2	37.9	39.0	48.5	48.4	48.1
Dyeing and finishing textiles.....	130.1	129.7	133.2	109.2	109.5	116.4	20.46	20.64	21.33	37.3	37.6	39.1	54.3	54.4	54.0
Hats, fur-felt.....	91.5	90.9	91.3	84.4	84.8	83.7	25.13	25.23	26.23	35.4	35.3	36.6	73.2	73.3	73.2
Hosiery.....	145.3	143.8	148.2	150.8	146.1	159.0	18.90	18.49	19.52	33.8	33.1	35.4	55.3	55.5	55.4
Knitted outerwear.....	67.9	59.4	64.8	56.6	47.4	49.9	17.83	17.12	16.54	36.8	35.0	34.7	47.8	48.4	47.1
Knitted underwear.....	77.0	75.4	78.9	68.9	66.0	72.4	15.11	14.78	15.48	36.1	35.3	37.0	42.1	42.4	41.9
Knitted cloth.....	134.4	137.3	144.1	107.1	112.1	116.4	18.06	18.51	18.34	36.7	37.6	37.0	48.1	47.9	48.7
Silk and rayon goods.....	59.8	63.2	65.2	50.9	53.1	56.8	16.17	16.03	16.58	35.6	35.0	36.5	45.1	45.5	45.2
Woolen and worsted goods.....	84.9	86.5	91.3	71.7	73.1	78.4	19.47	19.46	19.83	34.4	36.2	37.1	56.6	53.7	53.4
Wearing apparel.....	123.6	116.1	116.9	99.7	87.5	90.2	18.86	17.85	18.26	34.0	32.5	33.5	54.4	53.4	53.3
Clothing, men's.....	109.8	105.5	105.1	85.7	80.1	80.2	20.17	19.60	19.76	34.0	33.0	33.5	53.8	59.4	59.2
Clothing, women's.....	176.3	162.2	164.6	134.1	112.8	117.4	20.32	18.55	19.04	33.4	32.0	32.6	55.5	52.8	53.3
Corsets and allied garments.....	115.5	115.4	116.0	118.1	112.0	119.2	16.86	16.02	16.95	35.7	33.7	35.7	46.8	46.8	46.7
Men's furnishings.....	120.9	111.5	129.0	112.4	95.0	126.0	14.35	13.15	15.13	34.0	32.3	35.2	41.4	40.1	41.3
Millinery.....	89.5	73.7	63.1	77.2	58.5	40.5	24.53	21.47	20.21	35.0	32.3	32.5	66.3	62.6	61.6
Shirts and collars.....	125.0	119.6	122.6	103.3	93.2	111.0	13.86	13.08	14.47	35.0	32.4	35.5	40.2	41.2	40.9
Leather and its manufactures.....	99.3	97.4	93.2	82.6	82.3	75.4	19.61	19.89	19.09	38.7	37.2	35.7	53.7	53.4	53.7
Boots and shoes.....	93.3	95.8	90.8	80.2	79.1	70.2	18.59	18.78	17.62	36.6	37.0	34.9	51.4	50.8	51.1
Leather.....	86.6	87.4	87.0	83.3	86.1	86.5	23.96	24.55	24.83	37.4	38.3	38.8	63.9	64.2	64.3
Food and kindred products.....	118.8	119.5	123.9	115.6	117.1	124.4	25.09	25.32	25.48	39.5	39.7	40.5	63.9	64.1	63.3
Baking.....	142.3	141.4	144.8	132.4	131.1	134.1	25.84	25.84	25.83	41.2	40.9	41.0	63.1	63.5	63.3
Beverages.....	234.4	254.9	280.6	233.9	278.8	293.8	32.77	32.13	33.50	37.6	36.9	38.5	87.7	87.7	88.0
Butter.....	85.6	85.8	92.5	75.7	74.6	78.1	22.75	22.47	22.51	46.0	45.1	45.8	49.8	49.8	48.8
Canning and preserving.....	90.7	91.0	101.4	77.8	80.6	89.3	16.86	17.41	17.37	34.6	35.2	35.6	49.9	50.5	50.6
Confectionery.....	84.0	82.9	96.0	81.3	81.2	99.8	18.91	19.07	20.25	38.2	38.4	41.4	49.9	49.8	49.3
Flour.....	79.3	79.0	73.7	73.7	73.4	72.2	25.14	25.18	24.83	41.0	41.2	40.8	60.9	60.8	60.4
Ice cream.....	66.6	66.1	63.0	53.7	55.6	57.3	29.81	29.55	29.62	45.0	44.3	45.2	64.5	64.7	64.0
Slaughtering and meat packing.....	193.7	111.8	112.1	111.1	118.9	121.5	26.83	27.94	28.51	39.5	41.2	42.1	67.9	67.7	67.8
Sugar, beef.....	40.1	67.8	191.9	46.5	62.6	173.5	30.14	23.95	23.54	41.0	34.8	45.2	75.6	69.0	53.0
Sugar refining, cane.....	92.0	89.7	95.2	76.6	71.4	75.8	23.41	22.41	22.39	36.1	34.2	36.2	64.8	65.6	61.8
Tobacco manufactures.....	61.7	59.0	65.8	54.0	52.9	62.3	16.25	16.52	17.47	32.8	33.3	35.8	49.2	49.6	48.9
Chewing and smoking tobacco and snuff.....	62.4	63.7	60.8	60.7	68.1	67.2	18.11	17.33	17.90	34.5	33.2	34.2	51.9	51.8	52.5
Cigars and cigarettes.....	61.5	58.4	68.3	52.0	51.0	61.6	15.84	16.35	17.37	32.6	33.3	33.0	48.8	49.3	48.4

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		
	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939	February 1940	January 1940	December 1939
<i>Nondurable goods—Continued</i>															
Paper and printing.....	114.6	115.1	118.5	108.6	110.0	116.8	\$28.37	\$28.66	\$29.51	37.8	38.1	39.4	Cents 78.3	Cents 78.3	Cents 78.3
Boxes, paper.....	114.8	116.6	124.9	119.4	121.6	136.9	20.75	20.85	21.92	37.3	37.6	40.1	55.7	55.7	55.0
Paper and pulp.....	113.0	114.1	115.1	116.9	117.6	122.5	25.42	25.35	26.19	39.8	40.0	41.6	63.8	63.5	63.1
Printing and publishing:															
Book and job.....	101.2	102.6	104.1	87.0	91.6	94.1	30.05	31.30	31.63	37.9	38.9	39.6	80.4	81.7	80.9
Newspapers and periodicals..	115.4	113.5	118.7	107.5	105.7	115.0	37.59	37.55	39.04	35.9	35.7	36.7	101.8	101.8	102.7
Chemical, petroleum, and coal products.....	120.7	121.0	122.3	131.1	131.0	133.4	29.31	29.22	29.61	38.4	38.4	39.0	75.5	75.6	75.1
Petroleum refining.....	120.9	121.6	122.3	134.4	133.5	137.6	34.78	34.42	35.27	35.9	35.5	36.4	97.5	97.4	97.2
Other than petroleum refining..	120.7	120.9	122.3	130.1	130.3	132.0	27.24	27.24	27.35	39.2	39.4	39.8	68.0	68.0	67.5
Chemicals.....	135.2	135.8	137.6	158.2	159.8	162.3	31.57	31.82	32.07	39.6	39.8	40.3	79.8	80.0	79.6
Cottonseed—oil, cake, and meal..	95.1	103.2	114.9	88.8	99.3	110.2	15.21	15.69	15.64	44.1	46.3	46.2	33.8	33.5	33.1
Druggists' preparations..	119.4	118.5	118.8	130.4	129.2	132.2	24.74	24.76	25.37	39.4	39.6	40.2	60.0	59.0	60.0
Explosives.....	105.5	103.5	107.8	127.5	120.9	128.7	33.16	32.08	32.74	39.4	38.2	39.5	84.2	83.9	82.8
Fertilizers.....	109.3	105.1	102.2	83.7	82.5	82.2	13.81	14.27	14.65	34.2	34.0	34.2	40.4	42.0	42.8
Paints and varnishes.....	123.2	123.5	124.2	129.3	128.5	130.5	28.65	28.44	28.75	39.6	39.7	40.3	72.5	71.8	71.4
Rayon and allied products..	313.3	313.5	312.2	321.3	320.4	314.0	26.33	26.24	25.82	39.1	38.8	38.8	67.4	67.6	66.5
Soap.....	84.4	83.5	85.1	100.3	100.3	102.1	27.81	28.12	28.09	39.1	39.4	39.7	71.1	71.3	70.7
Rubber products.....	88.0	90.0	93.0	88.1	94.1	100.5	27.40	28.54	29.50	35.3	36.6	38.1	77.7	77.6	77.6
Rubber boots and shoes.....	56.8	59.1	63.1	52.8	56.4	65.7	21.32	21.92	23.90	35.5	36.0	39.1	60.0	60.8	61.1
Rubber tires and inner tubes..	73.0	73.6	74.7	80.4	85.6	89.9	32.15	33.96	35.11	33.6	35.1	36.1	96.3	96.5	97.4
Rubber goods, other.....	145.3	150.3	156.5	135.2	144.8	155.4	22.69	23.53	24.19	37.2	38.5	39.9	61.6	61.7	61.2

NONMANUFACTURING

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

³ 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.

⁴ 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. Comparable series for earlier months available upon request.

³ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "electric-railroad and motorbus operation and maintenance."

^bIndexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of pamphlet.

⁷ Cash payments only; additional value of board, room, and tips not included.

⁸ Indexes of employment and pay rolls are not available; percentage changes from preceding month substituted.

^a Not available.

¹⁰ Less than 1/10 of 1 percent.

TABLE 5.—*Indexes of Employment and Pay Rolls in Selected Manufacturing¹ and Non-manufacturing² Industries, February 1939 to February 1940, Inclusive*

Industry	Employment													
	1939												1940	
	Av. 1939	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<i>Manufacturing</i>														
All industries.....	96.8	93.6	94.3	94.1	93.0	93.4	93.5	96.3	100.2	103.6	103.8	104.1	101.5	101.4
Durable goods ³	87.8	83.3	84.1	84.8	84.0	84.6	83.0	83.9	89.8	96.1	98.2	100.0	97.4	96.5
Nondurable goods ⁴	105.5	103.5	104.0	103.0	101.6	101.8	103.5	108.1	110.2	110.8	109.2	108.0	105.4	106.1
<i>Nonmanufacturing</i>														
Anthracite mining ⁵	50.6	52.2	51.7	53.0	52.6	51.2	44.7	48.5	49.4	51.9	51.3	51.0	51.5	52.0
Bituminous-coal mining ⁵	78.6	88.6	87.4	25.9	47.9	78.3	79.4	81.4	85.4	93.0	94.9	92.6	91.8	91.8
Metalliferous mining.....	62.7	60.9	61.0	61.5	61.9	61.6	60.4	60.4	62.9	65.3	66.5	67.3	66.4	66.1
Quarrying and nonmetallic mining.....	44.6	37.9	40.1	43.0	45.6	47.3	47.5	48.1	47.9	48.0	47.1	44.0	37.8	38.1
Crude-petroleum production.....	65.8	66.4	66.2	65.8	66.1	67.0	67.3	66.7	65.0	64.3	63.8	63.8	63.2	63.1
Telephone and telegraph ⁶	75.8	74.3	74.4	75.1	75.8	76.4	76.5	76.6	76.4	76.5	76.1	75.8	76.1	75.8
Electric light and power ⁶	89.0	86.9	87.0	87.7	88.2	89.2	90.0	90.6	90.6	90.4	90.3	90.1	89.1	89.4
Street railways and buses ⁶	69.0	68.7	68.9	68.5	68.9	69.3	69.1	69.2	69.2	69.5	69.3	69.0	68.8	69.2
Wholesale trade.....	89.2	87.9	87.4	87.3	87.2	88.1	87.9	89.0	90.5	92.4	92.1	92.2	90.7	90.3
Retail trade ⁶	89.8	84.9	86.9	88.5	88.8	89.4	87.2	86.3	90.5	91.7	93.3	104.2	87.8	87.1
Year-round hotels ⁵	92.0	92.6	92.7	93.2	93.9	92.8	90.3	89.8	91.3	92.9	91.8	90.8	91.4	93.0
Laundries ⁵	95.9	92.8	92.9	93.5	95.5	98.7	100.0	99.1	97.8	96.0	95.6	95.6	96.0	95.7
Dyeing and cleaning ⁵	101.3	92.1	95.4	102.2	107.0	110.1	106.5	102.7	105.2	105.1	97.8	97.4	94.0	93.6
<i>Pay rolls</i>														
<i>Manufacturing</i>														
All industries.....	90.8	86.0	87.6	85.5	85.0	86.5	84.4	89.7	93.8	101.6	101.6	103.7	98.3	97.8
Durable goods ³	85.2	77.7	79.4	79.5	78.8	80.7	76.0	81.5	87.8	99.6	100.9	104.6	98.2	96.6
Nondurable goods ⁴	97.0	95.3	96.7	92.2	91.9	93.0	93.7	99.0	100.5	103.9	102.4	102.8	98.5	99.1
<i>Nonmanufacturing</i>														
Anthracite mining ⁵	39.5	45.2	34.2	43.4	57.0	36.1	25.2	33.8	40.1	52.2	42.0	26.6	52.5	32.9
Bituminous-coal mining ⁵	69.9	81.2	77.8	17.6	20.4	66.5	64.5	74.6	80.2	97.6	96.3	84.3	87.0	88.0
Metalliferous mining.....	56.0	53.4	53.6	52.6	54.1	53.8	48.5	53.0	55.1	63.4	63.9	65.0	63.6	63.8
Quarrying and nonmetallic mining.....	38.7	29.7	33.1	35.9	39.7	41.7	40.9	42.9	42.7	45.6	42.9	39.2	29.6	30.9
Crude-petroleum production.....	61.0	62.7	61.3	60.8	61.2	62.5	61.9	62.0	60.8	58.8	59.6	59.2	58.4	58.7
Telephone and telegraph ⁶	95.6	93.6	93.8	94.0	95.7	95.7	96.6	96.3	96.9	97.2	96.4	97.4	97.4	95.5
Electric light and power ⁶	100.4	97.7	98.2	98.3	99.9	101.2	101.1	102.2	102.2	102.0	102.5	102.4	101.6	102.5
Street railways and buses ⁶	69.5	68.7	69.3	68.4	68.9	70.0	69.4	69.8	69.2	71.2	69.4	69.8	69.0	71.9
Wholesale trade.....	76.6	74.6	74.7	74.8	74.9	75.8	75.8	76.2	78.0	80.3	79.0	79.1	77.2	76.8
Retail trade ⁶	80.8	76.5	77.7	79.6	79.9	81.1	79.5	78.0	80.9	83.2	83.6	91.8	80.0	79.1
Year-round hotels ⁵	81.2	82.8	81.1	81.9	82.4	82.0	79.1	79.2	80.4	82.2	81.8	81.1	81.1	82.9
Laundries ⁵	93.1	78.6	79.3	79.9	83.9	86.9	88.0	85.9	84.5	83.9	82.9	83.7	83.4	82.9
Dyeing and cleaning ⁵	73.6	63.2	67.7	73.3	83.0	84.2	77.1	73.0	78.3	77.3	70.8	69.9	65.5	64.3

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 1938 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 January and February 1940, is shown in table 6 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 3. The totals for all groups combined include all manufacturing industries, each of the nonmanufacturing industries presented in table 3 (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 6.—*Comparison of Employment and Pay Rolls in Identical Establishments in January and February 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 February 1940	Percentage change from January 1940	Amount of pay roll (1 week) February 1940	Percentage change from January 1940	Number of establishments	Number on pay roll February 1940	Percentage change from January 1940	Amount of pay roll (1 week) February 1940	Percentage change from January 1940
				<i>Dollars</i>					<i>Dollars</i>	
New England.....	12, 941	941, 273	+3.2	22, 256, 308	+1.2	3, 574	637, 263	+0.1	14, 491, 717	-2.7
Maine.....	826	57, 804	- .6	1, 231, 562	- .1	275	47, 867	- .4	990, 212	+ .1
New Hamp- shire.....	627	42, 296	+ .5	908, 276	+ .7	206	35, 348	+ .8	741, 695	+1.0
Vermont.....	489	18, 322	- .2	422, 691	+2.5	150	11, 441	+ .7	261, 696	+4.6
Massachusetts.....	17, 439	506, 273	+6.2	11, 983, 699	+4.1	1, 798	282, 197	- .1	6, 301, 764	-8.1
Rhode Island.....	1, 163	96, 505	- .7	2, 063, 876	-4.8	419	77, 575	- .6	1, 573, 264	-6.5
Connecticut.....	2, 397	220, 073	+ .2	5, 646, 304	-2.2	726	182, 835	+ .7	4, 623, 086	-2.4
Middle Atlantic.....	31, 621	2, 225, 350	+ .1	59, 575, 545	-2.2	6, 873	1, 348, 367	+ .2	35, 797, 048	-1.0
New York.....	19, 129	962, 292	+ .1	26, 873, 001	- .8	2, 795	480, 311	+1.3	13, 216, 660	+ .6
New Jersey.....	3, 935	387, 724	+ .4	10, 408, 023	+ .3	1, 644	312, 036	+ .6	8, 243, 551	+ .7
Pennsylvania.....	8, 557	875, 334	- .1	22, 294, 521	-4.9	2, 434	556, 020	- .7	14, 336, 837	-8.1
East North Central.....	25, 593	2, 252, 992	- .5	63, 689, 476	- .7	8, 256	1, 714, 741	- .6	49, 772, 437	-1.1
Ohio.....	7, 562	572, 806	- .2	15, 746, 031	-1.8	2, 345	435, 771	- .3	12, 235, 046	-2.4
Indiana.....	2, 779	275, 661	- .4	7, 492, 254	- .9	1, 059	229, 244	- .1	6, 220, 431	- .4
Illinois.....	4, 697	632, 186	- .1	17, 193, 150	- (5)	2, 378	425, 793	- .1	11, 572, 798	+ .1
Michigan.....	4, 400	530, 439	- .8	16, 966, 724	- .4	1, 021	456, 851	- .7	15, 201, 224	- .9
Wisconsin.....	6, 458	241, 900	-1.6	6, 376, 017	- .5	1, 453	170, 082	-1.6	4, 542, 944	- .1

See footnotes at end of table.

TABLE 6.—Comparison of Employment and Pay Rolls in Identical Establishments in January and February 1940, by Geographic Divisions and by States—Continued

[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 February 1940	Percentage change from January 1940	Amount of pay roll (1 week) February 1940	Percentage change from January 1940	Number of establishments	Number on pay roll February 1940	Percentage change from January 1940	Amount of pay roll (1 week) February 1940	Percentage change from January 1940
				<i>Dollars</i>					<i>Dollars</i>	
West North Central	12,423	450,209	-0.8	11,988,719	-0.8	2,400	221,721	-0.4	5,491,089	-0.5
Minnesota	<i>2,632</i>	<i>123,500</i>	<i>-1.2</i>	<i>3,361,094</i>	<i>-1.7</i>	<i>636</i>	<i>51,608</i>	<i>-2</i>	<i>1,367,689</i>	<i>+1.0</i>
Iowa	1,975	64,475	-6	1,573,774	-1.7	349	36,625	-7	923,919	-2.0
Missouri	3,147	167,797	+2	4,090,377	-1	783	95,053	+3	2,223,133	+1.1
North Dakota	505	4,439	-7	1,08,006	-3.6	28	416	+1.2	10,669	+1.1
South Dakota	475	10,149	-8	275,485	+9	29	4,719	+4	123,390	+1.2
Nebraska	1,315	27,060	-3.0	625,786	-2.7	135	9,074	-4.4	228,114	-6.2
Kansas	<i>2,574</i>	<i>62,789</i>	<i>-10.2</i>	<i>1,252,197</i>	<i>-5</i>	<i>440</i>	<i>24,328</i>	<i>-2.0</i>	<i>612,845</i>	<i>-1.7</i>
South Atlantic	10,627	928,720	-3	18,740,510	+1	2,930	638,990	-2	11,933,493	-3
Delaware	240	16,402	-1.0	410,943	+8	78	11,341	-1.0	278,351	+5
Maryland	1,555	150,167	-1.0	3,776,822	-1.2	643	109,403	-3	2,740,701	-1.4
District of Columbia	1,003	39,936	+3	1,093,294	+6	39	3,113	+2	108,184	+4
Virginia	1,949	124,153	-1	2,464,821	+2	450	87,159	+1	1,693,214	-1
West Virginia	1,227	142,438	-1.3	3,667,124	-2	206	53,786	-1.6	1,351,892	-2.5
North Carolina	1,554	175,593	-2	2,806,381	+1.1	677	160,424	-1	2,544,612	+1.2
South Carolina	801	98,648	-6	1,488,620	+2	276	90,881	-7	1,340,734	-(5)
Georgia	1,357	125,272	-1	2,055,735	-5	381	98,623	-3	1,483,196	-1.0
Florida	941	54,111	+4.6	976,770	+5.0	180	24,230	+0.4	392,106	+10.6
East South Central	4,761	319,107	+4	6,142,321	+6	1,081	201,641	+4	3,598,658	-6
Kentucky	1,520	87,041	-1	1,925,431	+1	289	34,392	-3	703,300	-4.1
Tennessee	1,371	105,182	+5	1,893,300	-6	364	78,441	+6	1,382,947	-1.7
Alabama	1,354	104,834	+1	1,976,161	+1.5	285	73,504	-3	1,292,616	+1.3
Mississippi	516	22,050	+3.5	347,429	+4.5	93	15,244	+4.9	217,795	+6.8
West South Central	4,975	204,996	+2	4,563,078	+4	1,225	108,121	+(5)	2,271,007	-4
Arkansas	<i>1,788</i>	<i>85,475</i>	<i>+3</i>	<i>424,649</i>	<i>-8</i>	<i>217</i>	<i>17,764</i>	<i>-1</i>	<i>289,540</i>	<i>-1.8</i>
Louisiana	1,018	105,182	+3	1,110,103	+3	230	29,540	-8	548,006	-1.1
Oklahoma	1,308	38,098	-2	933,455	+1.0	136	10,489	-3	231,990	+1.7
Texas	<i>1,861</i>	<i>85,861</i>	<i>+3</i>	<i>2,084,871</i>	<i>+5</i>	<i>612</i>	<i>48,328</i>	<i>+1.1</i>	<i>1,201,471</i>	<i>-1.5</i>
Mountain	3,964	120,899	-6	3,247,343	-1.0	548	32,208	-2.0	844,650	-3
Montana	610	18,866	-1.0	557,989	-1.1	74	4,423	-5.1	120,509	-3.8
Idaho	484	9,846	-1.6	257,969	+1.9	61	2,145	-6.3	55,237	+1.9
Wyoming	329	7,816	-2	230,567	+2.7	34	1,048	+6	36,164	+6.0
Colorado	1,120	39,830	-6	1,036,266	-2.7	198	15,427	-1	406,162	-4.8
New Mexico	278	5,777	-2.2	127,446	-1.7	29	807	-10.3	17,298	-4.8
Arizona	415	15,331	+1.2	428,670	+1	35	2,556	+2.2	63,617	+2.8
Utah	558	20,966	-1.1	530,145	-1.7	103	5,542	-4.4	137,908	+2
Nevada	170	2,457	+8	78,291	+4.3	14	258	+2.4	7,695	+6.7
Pacific	10,931	482,192	+3	13,993,392	+1.2	2,702	255,654	+5	7,251,437	+1.6
Washington	2,721	92,985	-2	2,601,999	+8	532	52,916	+1	1,439,483	+1.6
Oregon	1,290	44,392	-9	1,186,307	+2.8	278	25,071	-3	652,713	+4.1
California	<i>126,820</i>	<i>344,815</i>	<i>+6</i>	<i>10,194,086</i>	<i>+1.1</i>	<i>1,892</i>	<i>177,667</i>	<i>+8</i>	<i>5,109,241</i>	<i>+1.3</i>

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

⁵ Less than 1/10 of 1 percent.

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 January and February 1940 is made in table 7 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 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 7.—*Comparison of Employment and Pay Rolls in Identical Establishments in January and February 1940, by Principal Metropolitan Areas*

Metropolitan area	Number of establishments February 1940	Number on pay roll February 1940	Percentage change from January 1940	Amount of pay roll (1 week) February 1940	Percentage change from January 1940
New York ¹	13, 935	682, 413	+0.6	\$19, 065, 280	-0.1
Chicago ²	4, 345	438, 019	-7	12, 200, 175	-1.2
Philadelphia ³	2, 355	216, 098	+4	5, 927, 926	+5
Detroit.....	1, 639	339, 246	-8	11, 595, 683	-4
Los Angeles ⁴	2, 866	168, 557	+2.0	4, 882, 690	+1.7
Cleveland.....	1, 332	124, 828	-2	3, 603, 386	-1.5
St. Louis.....	1, 383	125, 671	+3	3, 161, 262	+4
Baltimore.....	1, 161	115, 074	-1.2	2, 894, 202	-1.6
Boston ⁵	2, 793	185, 396	-1	4, 672, 688	-1.1
Pittsburgh.....	1, 192	192, 242	-3	5, 511, 845	-3.1
San Francisco ⁶	1, 621	78, 175	-6	2, 395, 683	+2.1
Buffalo.....	770	77, 106	-(⁷)	2, 120, 047	-1.2
Milwaukee.....	982	97, 322	-2.2	2, 809, 658	-1.1

¹ Does not include Elizabeth, Jersey City, Newark, nor Paterson, N. J., nor 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 February and January 1940 are given in table 8.

TABLE 8.—Employment and Pay Rolls for the Executive Service of the United States Government, February and January 1940 ¹

[Subject to revision]

Class	Employment			Pay rolls		
	Febru- ary	Janu- ary ²	Percent- age change	February	January ²	Percent- age change
Entire service:						
Total.....	939,015	938,403	+0.1	\$141,918,239	\$144,062,412	-1.5
Regular appropriation.....	796,047	794,370	+ .2	123,965,548	125,808,185	-1.5
Emergency appropriation.....	58,422	57,561	+1.5	7,484,842	7,414,202	+1.0
Force-account.....	84,546	86,472	-2.2	10,467,849	10,840,025	-3.4
Inside the District of Columbia:						
Total.....	127,771	127,418	+ .3	22,582,263	22,802,049	-1.0
Regular appropriation.....	112,449	112,280	+ .2	20,225,565	20,396,449	-.8
Emergency appropriation.....	8,758	8,701	+ .7	1,359,568	1,352,126	+ .6
Force-account.....	6,564	6,437	+2.0	997,130	1,053,474	-5.3
Outside the District of Columbia:						
Total.....	811,244	810,985	(³)	119,335,976	121,260,363	-1.6
Regular appropriation.....	683,598	682,090	+ .2	103,739,983	105,411,736	-1.6
Emergency appropriation.....	49,664	48,860	+1.6	6,125,274	6,062,076	+1.0
Force-account.....	77,982	80,035	-2.6	9,470,719	9,786,551	-3.2

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

² Revised.

³ Increase less than $\frac{1}{10}$ of 1 percent.

CONSTRUCTION PROJECTS FINANCED BY THE PUBLIC WORKS ADMINISTRATION

Details concerning employment, pay rolls, and man-hours worked during February on construction projects financed by Public Works Administration funds are given in table 9, by type of project.

TABLE 9.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, February 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	109,083	90,322	\$10,814,115	10,962,671	\$0.986	\$21,112,427
Federal projects financed from National Industrial Recovery Act funds						
All projects	3 643	538	\$48,657	72,698	\$0.669	\$29,836
Building construction ..	286	211	23,126	20,928	1.105	13,373
Naval vessels ..	1	1	188	187	1.005	18
Public roads ⁴ ..	(⁵) 1	50	2,593	5,609	.462	5,200
Reclamation	118	106	13,893	20,670	.672	5,449
River, harbor, and flood control ..	12	10	1,390	2,812	.494	636
Water and sewerage ..	154	138	4,252	18,142	.234	4,851
Miscellaneous	22	22	3,215	4,350	.739	309
Federal projects financed from Public Works Administration Appropriation Act 1938 funds						
All projects	11,372	9,823	\$1,221,342	1,251,702	\$0.976	\$1,366,034
Airport construction (exclusive of buildings) ..	398	397	46,354	76,315	.607	27,923
Building construction ..	7,804	6,586	802,062	755,452	1.062	1,003,749
Electrification ..	656	613	91,703	96,394	.951	75,577
Reclamation	1,104	991	121,234	143,816	.843	54,204
River, harbor, and flood control ..	496	450	52,543	60,893	.863	23,119
Ship construction ..	255	214	34,512	32,184	1.072	33,768
Streets and roads ..	25	19	2,456	3,100	.792	4,216
Water and sewerage ..	117	97	7,829	8,546	.916	12,751
Miscellaneous ..	263	241	25,168	33,950	.741	128,808
Professional, technical, and clerical ..	254	215	37,481	41,052	.913	1,919
Non-Federal projects financed from National Industrial Recovery Act funds						
All projects ⁶ ..	4,108	3,508	\$159,445	471,632	\$0.974	\$483,721
Building construction ⁶ ..	2,390	2,093	369,051	284,301	1.298	338,541
Railroad construction ..	20	20	10	20	.500	0
Streets and roads ..	278	252	14,529	19,885	.731	21,019
Water and sewerage ..	44	30	4,204	2,626	1.601	37,967
Miscellaneous	1,376	1,113	71,651	164,800	.435	86,194
Non-Federal projects financed from Emergency Relief Appropriation Act 1935, 1936, and 1937 funds						
All projects	8,383	7,277	\$800,435	1,032,938	\$0.775	\$1,321,509
Building construction ..	1,076	908	116,518	112,106	1.039	256,539
Electrification	698	562	48,565	68,143	.713	370,138
Heavy engineering ..	5,128	4,583	492,000	672,828	.731	368,532
Reclamation	402	332	39,733	45,034	.882	82,689
Water and sewerage ..	1,079	892	103,619	134,827	.769	139,613
Miscellaneous	0	0	0	0	0	103,998

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.

TABLE 9.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, February 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				
	Non-Federal projects financed from Public Works Administration Appropriation Act 1938 funds					
All projects.....	84,577	69,176	\$8,284,236	8,133,701	\$1.019	\$17,911,327
Building construction.....	44,557	36,069	4,119,385	3,874,125	1.063	7,044,947
Electrification.....	1,410	1,130	117,552	121,684	.966	460,361
Heavy engineering..	13,924	11,467	1,664,191	1,405,116	1.184	2,962,956
Reclamation.....	621	447	46,463	58,354	.796	134,200
River, harbor, and flood control.	83	76	7,112	9,363	.760	61,300
Streets and roads.....	10,111	8,409	901,740	1,084,975	.831	1,534,734
Water and sewerage..	13,774	11,508	1,423,076	1,574,191	.904	2,219,422
Miscellaneous.....	97	70	4,717	5,893	.800	3,493,407

UNITED STATES HOUSING AUTHORITY

Table 10 shows data concerning employment, pay rolls, and man-hours worked in February 1940 on low-rent projects of the United States Housing Authority.

TABLE 10.—Employment and Pay Rolls on Low-rent Housing Projects Operated by the United States Housing Authority, February 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.....	30,268	24,133	\$2,780,651	2,891,496	\$0.962	\$4,553,106
New England.....	1,417	1,036	124,596	114,676	1.087	105,667
Middle Atlantic.....	7,576	6,357	976,372	780,700	1.251	1,285,832
East North Central.....	2,358	2,005	289,966	247,156	1.173	314,810
West North Central.....	294	247	36,337	40,270	.902	40,188
South Atlantic.....	8,942	7,198	675,608	883,028	.765	1,537,898
East South Central.....	4,785	3,318	286,178	339,295	.843	533,241
West South Central.....	3,766	3,005	303,818	361,866	.840	528,081
Pacific.....	507	444	52,055	47,578	1.094	111,531
Outside continental United States.....	623	523	35,721	76,927	.464	95,858

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 Federal agency projects financed by the Work Projects Administration and on projects financed and operated by the Work Projects Administration in February is shown in table 11, by type of project.

TABLE 11.—Employment and Pay Rolls on Projects Financed by the Work Projects Administration, February 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 92,468	87,509	\$4,430,881	10,648,223	\$0.412	\$617,318
Airport construction (exclusive of buildings).....	2,859	2,622	99,750	319,183	.313	13,883
Building construction.....	39,639	36,372	1,965,106	4,559,165	.431	233,248
Electrification.....	57	57	2,558	6,642	.385	2,002
Forestry.....	8,359	8,352	402,854	965,086	.417	46,687
Grade-crossing elimination ²	119	91	5,953	13,490	.441	4,669
Hydroelectric power plants ³	1,081	1,069	49,479	198,720	.249	55,999
Plant, crop, and livestock conservation.....	7,448	7,298	385,874	856,538	.451	38,953
Professional, technical, and clerical.....	5,345	5,251	373,502	634,626	.589	15,305
Public roads ²	444	353	32,878	45,314	.726	12,754
Reclamation.....	16,130	15,729	721,749	1,820,474	.396	82,546
River, harbor, and flood control.....	567	510	34,138	69,169	.494	10,435
Streets and roads.....	2,905	2,578	108,273	323,781	.334	10,893
Water and sewerage.....	587	572	18,537	71,835	.258	27,910
Miscellaneous.....	6,928	6,655	230,230	864,200	.266	62,034
	Projects operated by Work Projects Administration ⁴					
All projects.....	⁵ 2,249,912	\$111,474,813	255,936,315	\$0.436	(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 March pamphlet.

⁵ Represents number of names on pay roll as of Feb. 28, 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 January is shown in table 12, by type of project. Only total figures were available when the January pamphlet went to press.

TABLE 12.—Employment and Pay Rolls on Projects Operated by the Work Projects Administration, by Type of Project, for Month of January 1940 ¹

[Subject to revision]

Type of project	Number employed ²	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour
All projects.....	2,192,283	\$106,197,761	240,633,318	\$0.441
Conservation.....	80,039	3,296,960	7,700,858	.428
Highway, road, and street.....	962,122	38,745,987	96,776,023	.400
Professional, technical, and clerical.....	343,751	21,675,236	42,967,759	.504
Public buildings.....	160,408	9,225,446	18,433,861	.500
Publicly owned or operated utilities.....	229,220	11,271,662	24,664,904	.457
Recreational facilities.....	123,034	6,905,156	14,575,851	.474
Sanitation and health.....	38,125	1,679,791	4,176,062	.402
Sewing, canning, and gardening, etc.....	182,204	8,670,015	22,499,106	.385
Transportation.....	22,788	1,318,633	2,557,256	.516
Not elsewhere classified.....	50,592	3,408,875	6,281,638	.543

¹ Revised.

² Data are as of Jan. 31, 1940.

NATIONAL YOUTH ADMINISTRATION

Employment and pay rolls on the National Youth Administration projects for February and January 1940 are shown in table 13.

TABLE 13.—Employment and Pay Rolls on National Youth Administration Projects, February and January 1940

[Subject to revision]

Type of project	Number of employees		Amount of pay rolls	
	February	January	February	January
Total	791,512	759,824	\$9,255,577	\$8,674,068
Student work program.....	455,510	437,457	3,111,205	2,858,839
Out-of-school work program.....	336,002	322,367	6,144,372	5,815,229

CIVILIAN CONSERVATION CORPS

Employment and pay rolls in the Civilian Conservation Corps in February and January 1940 are presented in table 14.

TABLE 14.—Employment and Pay Rolls in the Civilian Conservation Corps, February and January 1940¹

[Subject to revision]

Group	Number of employees		Amount of pay rolls	
	February	January	February	January
All groups	336,861	² 336,631	\$14,663,271	² \$14,701,057
Enrolled personnel ³	300,533	300,072	9,334,158	² 9,339,532
Nurses ⁴	264	287	36,482	39,897
Educational advisers ⁴	1,597	1,686	270,502	295,325
Supervisory and technical ⁴	34,467	² 34,586	5,022,129	² 5,026,303

¹ Data on number of employees refer to employment on last day of month. Amount of pay rolls are for the entire month.

² Revised.

³ February data include 4,611 enrollees and pay roll of \$100,839 outside continental United States; in January the corresponding figures were 4,381 enrollees and pay roll of \$97,338.

⁴ Included in executive service, table 8.

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 February are presented in table 15, by type of project.

TABLE 15.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, February 1940¹

[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.....	2,324	\$242,349	248,396	\$0.976	\$380,684
Building construction ³ ..	2,174	221,104	225,667	.980	358,609
Streets and roads.....	9	915	1,349	.678	634
Water and sewerage.....	141	20,330	21,380	.951	21,441

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 960 employees; pay-roll disbursements of \$96,209; 84,498 man-hours worked; and material orders placed of \$51,708 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 February are given in table 16, by type of project.

TABLE 16.—Employment and Pay Rolls on Construction Projects Financed From Regular Federal Appropriations, by Type of Project, February 1940¹

[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 ² number employed	Weekly average				
All projects.....	203,893	189,134	\$21,918,250	27,247,469	\$0.804	\$34,771,021
Building construction.....	21,375	17,011	1,876,842	1,982,106	.947	5,475,550
Electrification:						
Rural Electrification Administration projects ⁴	9,088	7,217	489,919	920,257	.532	2,113,948
Other than R. E. A. projects.....	140	98	4,992	7,731	.646	20,414
Forestry.....	23	22	1,227	3,023	.406	881
Heavy engineering.....	96	81	12,135	9,473	1.281	70
Public roads ⁵	(6)	26,604	2,067,729	3,358,689	.616	3,003,378
Reclamation.....	20,127	18,742	2,710,416	3,077,085	.881	2,348,422
River, harbor, and flood control:						
Dredging, dikes, revetments, etc.....	24,620	21,635	2,272,780	3,515,218	.647	3,033,211
Locks and dams.....	6,946	6,247	828,044	956,349	.866	712,646
Ship construction:						
Naval vessels.....	64,836	63,529	9,117,045	10,051,395	.907	9,139,963
Other than naval vessels.....	19,727	18,169	1,925,721	2,382,651	.808	7,095,021
Streets and roads.....	2,199	1,979	175,435	271,822	.645	388,365
Water and sewerage.....	244	213	15,566	18,398	.846	56,351
Miscellaneous.....	7,868	7,587	420,399	693,272	.606	1,382,801

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

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

³ Includes weekly average for public-road projects.

⁴ Financed by Rural Electrification Administration loans.

⁵ Under the jurisdiction of the Public Roads Administration.

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

STATE-ROADS PROJECTS

A record of employment and pay-roll disbursements on the construction and maintenance of roads financed wholly from State or local funds in February 1940, compared with January 1940 and February 1939, is presented in table 17.

TABLE 17.—*Employment and Pay Rolls on Construction and Maintenance of State Roads, February 1940, January 1940, and February 1939*¹

[Subject to revision]

Item	Number of employees ²			Pay-roll disbursements		
	February 1940	January 1940	February 1939	February 1940	January 1940	February 1939
Total.....	136, 137	119, 249	129, 275	\$9, 598, 787	\$9, 017, 665	\$9, 440, 888
New roads.....	15, 812	16, 502	12, 011	1, 050, 126	1, 091, 019	834, 428
Maintenance.....	120, 325	102, 747	117, 264	8, 548, 661	7, 926, 646	8, 606, 460

¹ February and January 1940 data are for the calendar month; February 1939 data, for the month ending on the 16th, and are for projects financed wholly from State or local funds.

² Average number working during month.

