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Employment and Pay Rolls

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April 1937

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EMPLOYMENT AND PAY ROLLS

Summary of Reports for April 1937

EXPANSION in some branches of industrial activity in April resulted in a further rise in employment and pay rolls in the manufacturing and nonmanufacturing industries surveyed each month by the Bureau of Labor Statistics. In the aggregate, approximately 92,000 workers were added to pay rolls between the middle of March and the middle of April, and weekly wage disbursements showed an increase of \$8,500,000. Both the manufacturing and nonmanufacturing industries shared in these gains, but the major portions were registered by the manufacturing industries.

With a single exception (January 1937) employment in the combined industries covered has increased each month since February 1936. In April 1937 there were nearly 1,500,000 more workers on the pay rolls than in the corresponding month of last year. With two exceptions (July 1936 and January 1937) weekly wage disbursements of the combined industries have increased each month since January 1936 and in April were \$72,000,000 greater than a year ago.

The number of workers employed by railroads also increased in April. Preliminary reports of the Interstate Commerce Commission indicate that, excluding executives, officials, and staff assistants, 29,306 more workers were employed by class I railroads in April than in the month preceding.

Employment in the regular agencies of the Federal Government in April was somewhat higher than in the month preceding—the executive, judicial, legislative, and military branches all showing small gains. On construction projects financed wholly or partially from public funds the trend of employment was mixed. Increases were reported in the number of workers employed on construction projects financed by regular governmental appropriations, the Public Works Administration, the Reconstruction Finance Corporation, and on Federal projects under The Works Program. Employment on projects operated by the Works Progress Administration in April, on the other hand, was below the March level as a result of the completion of emergency flood-control projects. The number of workers employed on the emergency conservation program increased during the month due to the beginning of a new enlistment period.

Industrial and Business Employment

THE increase over the month interval of more than 85,000 wage earners or 1.0 percent in factory employment raised the April index of factory employment to 102.1, the highest point reached since November 1929. Weekly factory pay rolls advanced even more sharply than employment (3.8 percent or approximately \$7,600,000). The increase brought the April pay-roll index to 104.9, which is above the level of any month since October 1929.

Numerous wage-rate increases were a primary factor in the large pay-roll gains, 2,135 manufacturing establishments having reported increases that affected 1,168,341 wage earners during the period March 16 to April 15. As these figures relate only to firms which supply monthly data for inclusion in the published summaries, and the survey covers only approximately 55 percent of all factory workers, it is clear that they do not represent all the wage-rate increases that occurred during the month.

The factory employment and pay-roll gains over the month interval were more heavily concentrated in the durable-goods industries than in the nondurable-goods industries. For the durable-goods group the net increases were 2.3 percent in employment and 6.4 percent in pay rolls. The nondurable-goods group as a whole showed a decline of 0.2 percent in employment and a gain of 0.3 percent in pay rolls. The April index of employment for the durable-goods group (98.6) stands above that of any month since November 1929. The employment index for the nondurable-goods group (105.9) is, with four exceptions in 1929, one exception in 1927, and one exception in 1937, above the level of any month since January 1923.

Compared with a year ago, factory employment has increased 14.6 percent and weekly wage disbursements in manufacturing establishments have increased 32.3 percent. These percentage increases represent nearly 1,100,000 wage earners and nearly \$52,000,000 in weekly pay rolls.

In the manufacturing industries surveyed, 57 of the 89 showed gains in employment over the month interval and 64 industries reported increased pay rolls. Some of the more pronounced increases in employment were seasonal. Among the manufacturing industries reporting important seasonal gains in employment were canning (23.7 percent), beet sugar (13.3 percent), fertilizers (11.5 percent), brick-tile-terra cotta (8.0 percent), ice cream (7.2 percent), marble-slate-granite (6.7 percent), cement (5.3 percent), paints and varnishes (2.7 percent), and beverages (2.2 percent). Cane-sugar refining showed an increase of 9.9 percent; steam- and electric-railroad car building, 6.9 percent; locomotives, 5.9 percent; and agricultural implements, 4.6 percent. Employment in the copper-lead-zinc smelting and refining industry increased 4.3 percent and the automobile indus-

try reported an increase of 3.5 percent. Other employment gains in industries of major importance were: Electrical machinery, apparatus, and supplies (3.1 percent), blast furnaces, steel works, and rolling mills (2.7 percent), foundries and machine-shop products (2.7 percent), steam-railroad repair shops (1.8 percent), paper and pulp (1.3 percent), chemicals (1.2 percent), petroleum refining (1.2 percent), and cotton goods (0.6 percent.) Employment in the machine-tool industry, which is a barometer of orders placed for power-driven metal-cutting machinery, continued the expansion which has been shown each month, with but one exception (August 1936), since October 1934. The gain in this industry of 2.7 percent from March to April raised the April employment index to 146.7, which is the maximum recorded since March 1930 and indicates a gain of 339 percent from the low point (33.4) registered in April 1933.

Seasonal curtailment of operations between March and April resulted in employment decreases of 14.6 percent in cottonseed—oil, cake, and meal; 8.7 percent in millinery; 5.8 percent in confectionery; and 3.3 percent in boots and shoes. Smaller declines were reported in slaughtering and meat packing, men's clothing, woolen and worsted goods, and book and job printing. Employment in rubber boots and shoes decreased 5.3 percent over the month interval largely because of a strike, and in women's clothing employment declined 4.8 percent. Decreases ranging from 2.7 percent to 3.1 percent were also reported for the shirt and collar, fur-felt hat, soap, and radio and phonograph industries.

Although there was an increase from March to April of 78,000 workers in 12 of the 16 nonmanufacturing industries surveyed, the decreases in the remaining 4 industries reduced the net gain to 7,000. Pay-roll gains were reported by 14 of the 16 nonmanufacturing industries surveyed, the net increase in weekly wages being \$890,000. The outstanding decrease in employment was in bituminous-coal mining (61,000 workers, or 15.5 percent). This decrease was due to reduced operations pending completion of new wage agreements, a curtailment of production because of accumulated stocks, and a holiday. The reduction of forces in wholesale trade, laundries, and insurance was relatively small. Seasonal employment gains were reported in private building construction (9.8 percent), quarrying and nonmetallic mining (8.1 percent), and dyeing and cleaning (4.8 percent). Anthracite mining reported increases of 10.5 percent in employment and 68.9 percent in pay rolls. Metal mines continued to add more workers to their pay rolls, the gain over the month interval being 4.2 percent. The April employment index for this industry is 76.2 (taking the year 1929 as 100) and exceeds the level of any month since October 1930. The gain from the low point of August 1932 was 166 percent. Year-round hotels reported a gain of

1.8 percent in employment, the April index (88.4) standing at the highest level since May 1931. Reports received from 16,499 wholesale-trade establishments employing 344,048 workers in April indicated a net decline in employment of 0.2 percent, the decrease being due primarily to sharp seasonal recessions in the farm-products and the agent and broker groups. Among the more important lines of wholesale trade showing gains over the month interval were food products (1.8 percent), machinery, equipment, and supplies (1.1 percent), electrical goods (1.1 percent), hardware (0.8 percent), furniture and house furnishings (0.2 percent), automotive dealers (0.2 percent), and groceries (0.1 percent). Among the lines in which declines were shown were dry goods and apparel (1.7 percent), and chemicals and drugs (0.3 percent).

Employment in 56,385 retail establishments reporting 976,131 workers in April rose 0.4 percent over the month interval, a decrease of 0.7 percent in the general-merchandising group (department, variety, and general-merchandising stores and mail-order houses), having been offset by gains in other lines of retail trade. Among the lines of retail trade in which increases were shown from March to April were cigar stores (3.8 percent), lumber and building materials (3.3 percent), hardware (2.1 percent), drugs (1.8 percent), automotive (1.5 percent), food (1.2 percent), and furniture (0.7 percent). The wood-coal-ice group reported a seasonal recession of 6.6 percent.

In addition to the increases reported by manufacturing establishments, approximately 165,000 workers in reporting establishments of nonmanufacturing industries received wage-rate increases. The major portion of these nonmanufacturing employees were in the bituminous-coal mining industry.

Class I railroads employed 1,118,067 workers (exclusive of executives, officials, and staff assistants) in April, according to a preliminary report by the Interstate Commerce Commission. This was 2.7 percent above the number reported for March (1,088,761). Corresponding pay-roll figures for April were not available at the time this report was prepared. The March pay roll, however, amounted to \$161,551,803 in comparison with the February total of \$147,207,372, a gain of 9.7 percent.

Hours and earnings.—Based on data supplied by cooperating manufacturing establishments for full- and part-time workers combined, the average hours worked per week by factory wage earners in April were 40.4, or 1.5 percent below the March average. April hourly earnings, however, were 63.8 cents, or 4.0 percent above the March figure. Average weekly earnings rose 2.7 percent over the month interval to \$26.30.

Of the 14 nonmanufacturing industries for which man-hour data are available, 7 reported gains in average hours worked per week and 13 showed increases in average hourly earnings. Higher average weekly

earnings were reported by 13 of the 16 nonmanufacturing industries surveyed.

Table 1 presents a summary of employment and pay-roll indexes and average weekly earnings in April 1937 for all manufacturing industries combined, for selected nonmanufacturing industries, and for class I railroads, with percentage changes over the month and year intervals except in the few industries for which certain items cannot be computed. The indexes of employment and pay rolls for the manufacturing industries are based on the 3-year average 1923-25 as 100, and for the nonmanufacturing industries on the 12-month average of 1929 as 100. The information for the manufacturing industries, mining, laundries, dyeing and cleaning, and building construction covers wage earners only. For crude-petroleum producing it covers wage earners and clerical field force. The figures for public utilities, trade, hotels, brokerage, and insurance cover all employees, including executives.

Table 1.—Employment, Pay Rolls, and Earnings in All Manufacturing Industries Combined and in Nonmanufacturing Industries, April 1937

Industry	Employment			Pay rolls			Average weekly earnings		
	Index April 1937	Percentage change from—		Index April 1937	Percentage change from—		Average in April 1937	Percentage change from—	
		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936
All manufacturing industries combined ¹	(1923-25 = 100) 102.1	+1.0	+14.6	(1923-25 = 100) 104.9	+3.8	+32.3	\$26.30	+2.7	+15.4
Class I steam railroads ²	63.3	+2.6	+7.7	(³)	(³)	(³)	(³)	(³)	(³)
Coal mining:	(1929 = 100)			(1929 = 100)					
Anthracite.....	54.0	+10.5	+8.5	63.9	+68.9	+122.9	34.40	+52.8	+105.5
Bituminous.....	72.6	-15.5	-6.3	54.4	-38.5	-13.1	19.06	-27.3	-7.3
Metalliferous mining.....	76.2	+4.2	+32.4	76.9	+8.9	+69.1	32.06	+4.5	+27.7
Quarrying and nonmetallic mining.....	53.1	+8.1	+9.7	48.1	+16.3	+33.1	22.70	+7.5	+21.4
Crude-petroleum producing.....	75.8	+2.1	+6.2	67.4	+5.9	+18.1	33.27	+3.7	+11.2
Public utilities:									
Telephone and telegraph.....	76.6	+1.6	+8.1	80.1	-1.0	+13.3	30.18	-2.6	+4.8
Electric light and power and manufactured gas.....	92.9	+8	+5.5	95.2	+8	+10.5	33.18	+(⁴)	+4.8
Electric-railroad and motor-bus operation and maintenance.....	72.9	+3	+2.3	69.4	+2	+5.2	31.25	-1	+2.8
Trade:									
Wholesale.....	91.9	-2	+7.2	75.4	+6	+11.0	29.33	+8	+3.6
Retail.....	88.8	+4	+4.2	71.9	+1.9	+10.1	21.72	+1.5	+5.5
General merchandising.....	99.6	-7	+2.2	89.0	+1.6	+9.8	18.61	+2.3	+7.4
Other than general merchandising.....	86.0	+8	+4.9	68.3	+2.0	+9.9	24.24	+1.2	+4.8
Hotels (year-round) ⁵	88.4	+1.8	+6.3	74.5	+2.5	+12.4	14.59	+8	+5.8
Laundries.....	88.5	-3	+6.3	78.5	+1.3	+10.7	16.79	+1.6	+4.1
Dyeing and cleaning.....	84.9	+4.8	+3.9	68.8	+11.5	+7.3	19.94	+6.4	+3.3
Brokerage.....	(³)	+3	+6.3	(³)	+6	+11.0	39.17	+3	+4.5
Insurance.....	(³)	-1	+1.1	(³)	+2	+5.1	39.24	+3	+3.9
Building construction.....	(³)	+9.8	+17.3	(³)	+16.3	+37.1	29.60	+6.0	+16.9

¹ Indexes adjusted to Census of Manufactures for 1933.

² Preliminary—Source: Interstate Commerce Commission.

³ Not available.

⁴ Less than 1/10 of 1 percent.

⁵ Cash payments only; the additional value of board, room, and tips cannot be computed.

Public Employment

EMPLOYMENT reports on construction projects financed from Public Works Administration funds indicated an increase of 19,000 in the number employed in April compared with March. The total number of workers employed during April on these projects was 192,000. Increases were shown in the number of workers employed on Federal and non-Federal projects financed from funds provided by the National Industrial Recovery Act and on projects financed from funds provided by the Emergency Relief Appropriation Acts of 1935 and 1936. Pay-roll disbursements for April on all projects financed by the Public Works Administration totaled \$15,242,000.

The seasonal increase in employment on construction projects financed from regular governmental appropriations continued in April. During the month more than 132,000 workers were employed, an increase of 12,000, or 10.4 percent compared with March. Increases in employment occurred on electrification, naval vessels, public roads, reclamation, streets and roads, and miscellaneous projects. The number of workers employed on forestry projects remained the same and the number of workers on building construction, river, harbor, and flood control, and water and sewerage projects decreased. Pay-roll disbursements for all types of projects totaled \$13,856,000.

More than 8,000 workers were employed on projects financed by the Reconstruction Finance Corporation in April. Compared with March, this was an increase of 6.9 percent in the number working. Small decreases in employment on building construction and miscellaneous projects were offset by increases in the level of employment for reclamation and water and sewerage projects. Employment on bridges remained virtually the same. Total pay rolls on all types of projects amounted to \$1,041,000.

The number of wage earners employed on projects financed by The Works Program during April was 2,982,000, an increase of 9,000, or 0.3 percent compared with the preceding month. Of this total 254,000 were working on Federal projects, 2,101,000 on projects operated by the Works Progress Administration, and 627,000 on work projects of the National Youth Administration and Student-Aid. Pay-roll disbursements totaled in excess of \$135,719,000.

In the regular agencies of the Federal Government, increases were reported for the executive, judicial, legislative, and military services. Employment in the executive service showed a small increase (0.7 percent) in April compared with March, but was 3.3 percent higher than a year ago. Of the 836,000 employees in the executive service in April, 117,000 were employed in the District of Columbia and 719,000 were working outside the District. Pronounced increases in employment in the executive departments occurred in the War Department, the Department of Agriculture, the Post Office Depart-

ment, and the Works Progress Administration. An appreciable decrease was shown in the number of workers in the Home Owners' Loan Corporation.

In emergency conservation work (Civilian Conservation Corps) employment increased sharply in April. Employment for all groups of workers totaled 369,000, an increase of 62,000 over March. Gains in employment were registered in the enrolled personnel and supervisory and technical workers. Losses, on the other hand, occurred in the number of reserve officers and educational advisers. Pay rolls for the month for all groups of workers were \$17,503,000, an increase of \$1,733,000.

The number of workers employed on the construction and maintenance of State roads in April was 138,000, an increase of more than 7,000 compared with the preceding month. Substantial gains were registered on new road construction and on maintenance work. Of the total number employed 9.5 percent were engaged on new construction and 90.5 percent on maintenance. Pay-roll disbursements for the month amounted to \$9,108,000.

A summary of Federal employment and pay-roll statistics for March and April 1937 is given in table 2.

Table 2.—Summary of Federal Employment and Pay Rolls, April 1937 ¹

[Preliminary figures]

Class	Employment		Per-centage change	Pay roll		Per-centage change
	April 1937	March 1937		April 1937	March 1937	
Federal service:						
Executive ²	835,639	829,582	+0.7	\$128,212,030	\$128,238,155	(³)
Judicial.....	2,018	1,995	+1.2	505,102	525,722	-3.9
Legislative.....	5,107	5,060	+ .9	1,194,543	1,188,663	+ .5
Military.....	317,001	316,180	+ .3	24,914,582	23,462,794	+6.2
Construction projects:						
Financed by P. W. A. ⁴	192,201	173,574	+10.7	15,242,390	13,353,904	+14.1
Financed by R. F. C. ⁵	8,226	7,696	+6.9	1,041,280	929,032	+12.1
Financed by regular governmental appropriations.....	132,639	120,175	+10.4	13,855,633	11,847,783	+16.9
Federal projects under The Works Program.....	254,524	249,690	+1.9	13,432,725	12,504,895	+7.4
Projects operated by W. P. A.....	2,100,965	2,104,938	- .2	115,802,897	114,688,415	+1.0
National Youth Administration:						
Work projects.....	191,932	191,569	+ .2	3,181,627	3,224,944	-1.3
Student-Aid.....	434,744	426,666	+1.9	3,302,100	3,230,513	+2.2
Relief work: Emergency conservation work ⁶	369,309	307,337	+20.2	17,502,905	15,770,090	+11.0

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

² Includes employees of Columbia Institution for the Deaf and Howard University.

³ Includes 153 employees by transfer, previously reported as separations, not actual additions for April.

⁴ Revised.

⁵ Less than 1/10 of 1 percent.

⁶ Data covering P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds are included. These data are not shown under The Works Program.

⁷ Includes 129,887 wage earners and \$9,618,255 pay roll for April; 113,930 wage earners and \$8,254,306 pay roll for March covering P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds.

⁸ Includes 77 employees and pay-roll disbursements of \$4,235 for April and 55 employees and pay-roll disbursements of \$2,111 for March on projects financed by RFC Mortgage Co.

⁹ Includes 40,617 employees and pay roll of \$5,449,798 for April and 39,829 employees and pay roll of \$5,482,134 for March included in executive service.

Detailed Reports for April 1937

Industrial and Business Employment

MONTHLY reports on employment and pay rolls in industrial and business industries are now available for the following groups: 89 manufacturing industries; 16 nonmanufacturing industries, including building construction; and class I steam railroads. The reports for the first two of these groups—manufacturing and nonmanufacturing—are based on sample surveys by the Bureau of Labor Statistics, and in virtually all industries the samples are large enough to be entirely representative. The figures on class I steam railroads are compiled by the Interstate Commerce Commission and are presented in the foregoing summary.

Employment, Pay Rolls, Hours, and Earnings in April 1937

THE indexes of employment and pay rolls, average hours worked per week, average hourly earnings, and average weekly earnings in manufacturing and nonmanufacturing industries in April 1937 are shown in table 3. Percentage changes from March 1937 and April 1936 are also given.

Table 3.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, April 1937

Manufacturing

[Indexes are based on 3-year average 1923-25=100 and are adjusted to 1933 Census of Manufactures]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index April 1937	Percentage change from—		Index April 1937	Percentage change from—		April 1937	Percentage change from—		April 1937	Percentage change from—		April 1937	Percentage change from—	
		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936
All manufacturing industries.....	102.1	+1.0	+14.6	104.9	+3.8	+32.3	\$26.30	+2.7	+15.4	40.4	-1.5	+4.0	<i>Cents</i> 63.8	+4.0	+11.3
Durable goods.....	98.6	+2.3	+19.8	106.4	+6.4	+40.0	29.98	+4.1	+16.9	42.0	-.9	+2.5	70.3	+5.0	+13.7
Nondurable goods.....	105.9	-.2	+10.0	102.9	+3	+23.2	22.15	+5	+12.1	38.6	-2.3	+5.3	56.8	+2.5	+7.2
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	108.9	+2.0	+24.0	124.5	+10.6	+56.2	32.69	+8.4	+25.9	42.5	-1.8	+2.5	75.9	+10.3	+22.0
Blast furnaces, steel works, and rolling mills..	120.2	+2.7	+25.9	145.6	+14.5	+63.4	36.20	+11.6	+29.8	42.6	-2.1	+4	85.0	+14.0	+23.5
Bolts, nuts, washers, and rivets.....	93.2	+3.3	+26.7	116.0	+7.2	+48.3	28.76	+3.8	+17.1	43.3	-3.3	+8	66.5	+7.4	+16.0
Cast-iron pipe.....	70.9	+2.7	+17.3	61.5	+10.9	+51.5	23.28	+7.9	+29.1	41.8	+2.1	+16.2	55.2	+6.3	+10.7
Cutlery (not including silver and plated cutlery), and edge tools.....	89.7	+4	+16.1	86.1	+2.5	+30.4	24.21	+2.0	+12.3	42.6	-1.5	+4.5	58.2	+3.7	+7.1
Forgings, iron and steel.....	74.0	+1.8	+30.1	75.5	+1.7	+55.3	31.29	+2.9	+19.5	44.4	-.3	+8.6	70.7	+3.3	+10.3
Hardware.....	99.8	-.3	+27.8	114.1	-2.1	+48.7	25.79	-1.9	+16.3	42.4	-2.0	+5.7	61.1	+1	+9.7
Plumbers' supplies.....	94.6	-1.2	+12.5	77.5	-3.7	+33.1	25.41	-2.5	+18.4	41.5	-4.4	+8.8	61.4	+2.2	+8.9
Steam and hot-water heating apparatus and steam fittings.....	81.7	+2.5	+30.3	84.5	+7.5	+68.3	29.91	+4.9	+29.0	44.0	-1.3	+10.5	68.2	+6.4	+17.2
Stoves.....	115.2	+2.0	+16.8	106.4	+3.0	+33.5	27.09	+1.9	+14.2	42.5	+1	+6.2	63.7	+1.7	+7.3
Structural and ornamental metalwork.....	75.7	+2.1	+24.7	78.5	+8.7	+54.8	29.17	+6.4	+24.3	42.7	-.8	+8.2	68.5	+7.3	+15.2
Tin cans and other tinware.....	102.2	+2.0	+8.6	108.2	+3.9	+10.4	23.53	+1.8	+9.8	40.6	-.3	+1.9	58.3	+1.9	+7.5
Tools (not including edge tools, machine tools, files, and saws).....	102.2	+3	+30.0	115.5	+4.1	+45.9	26.44	+3.8	+12.3	45.2	+1	+3.9	58.5	+3.8	+8.3
Wirework.....	186.0	-3	+25.9	184.2	+2.2	+34.1	25.20	+2.5	+7.6	39.2	-3.4	-7.2	64.4	+6.1	+16.0

See footnotes at end of table.

Table 3.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, April 1937—Continued

Manufacturing—Continued

[Indexes are based on 3-year average 1923-25=100 and are adjusted to 1933 Census of Manufactures]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index April 1937	Percentage change from—		Index April 1937	Percentage change from—		April 1937	Percentage change from—		April 1937	Percentage change from—		April 1937	Percentage change from—	
		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936
<i>Durable goods—Continued</i>															
Machinery, not including transportation equipment.	124.3	+2.6	+24.8	133.9	+6.7	+46.8	\$29.75	+4.1	+17.6	43.0	— .5	+4.6	68.9	+4.4	+12.9
Agricultural implements.....	137.5	+4.6	+4.9	180.0	+11.0	+23.4	29.23	+6.2	+18.3	41.5	— .91	+1.4	71.0	+6.8	+17.1
Cash registers, adding machines, and calculating machines.....	131.3	+ .6	+11.7	148.0	+5.4	+33.8	34.77	+4.8	+19.7	43.5	+1.9	+3.8	80.7	+3.0	+14.7
Electrical machinery, apparatus, and supplies.....	114.6	+3.1	+34.0	121.0	+7.9	+54.5	29.16	+4.7	+15.4	41.2	—1.2	+2.0	70.1	+5.5	+13.2
Engines, turbines, tractors, and water wheels.....	144.3	+3.2	+14.5	152.6	+9.6	+38.4	33.05	+6.2	+22.0	41.2	— .2	+4.3	80.2	+6.4	+17.3
Foundry and machine-shop products.....	109.7	+2.7	+26.5	118.5	+6.2	+49.2	30.09	+3.4	+18.0	44.7	— .4	+5.2	67.2	+3.6	+12.5
Machine tools.....	146.7	+2.7	+30.9	159.1	+4.2	+55.3	33.43	+1.5	+18.6	46.9	— .2	+6.7	71.3	+1.7	+11.1
Radios and phonographs.....	158.4	— .8	+1.7	126.8	— .2	+12.4	20.95	+2.6	+10.5	36.8	+ .3	+4.6	57.0	+2.0	+5.9
Textile machinery and parts.....	87.0	+2.5	+23.9	95.8	+7.0	+50.9	29.50	+4.4	+22.0	45.3	+ .5	+9.6	65.3	+3.9	+11.3
Typewriters and parts.....	154.3	+1.0	+36.2	156.7	+2.3	+60.0	27.11	+1.3	+17.5	42.9	—2.7	+8.2	63.1	+4.1	+11.9
Transportation equipment.	125.4	+3.6	+19.5	128.6	+4.0	+28.7	\$2.47	+ .5	+7.8	38.3	—2.6	—5.5	84.1	+3.0	+14.5
Aircraft.....	813.7	+2.9	+49.6	738.7	+5.0	+67.2	28.45	+2.1	+8.5	45.2	— .2	+6.9	62.9	+ .4	— .9
Automobiles.....	136.2	+3.5	+17.8	136.0	+2.9	+24.7	33.09	— .5	+5.9	37.6	—3.3	—8.9	88.1	+2.9	+16.8
Cars, electric and steam-railroad.....	75.1	+6.9	+36.6	89.1	+12.7	+70.1	28.93	+5.4	+25.4	41.3	+ .9	+13.6	70.1	+4.4	+6.4
Locomotives.....	57.4	+5.9	+98.1	45.1	+10.7	+151.3	30.56	+4.6	+26.9	43.9	0	+15.6	69.6	+4.5	+9.7
Shipbuilding.....	109.0	+2.0	+6.8	122.7	+5.7	+20.1	31.17	+3.6	+12.4	37.6	— .4	+4.0	81.6	+4.0	+8.5
Railroad repair shops.	68.3	+1.8	+8.5	67.4	+2.4	+15.0	30.59	+ .7	+5.0	44.5	+ .7	+4.8	68.9	+ .1	+5.0
Electric railroad.....	63.8	— .4	+2.1	67.6	+ .7	+8.1	29.94	+1.1	+5.9	44.5	— .5	+ .7	65.8	+1.5	+5.0
Steam railroad.....	63.3	+1.8	+10.2	67.6	+2.6	+15.7	30.69	+ .8	+5.0	44.5	+ .8	+5.2	69.2	— (?)	— .1
Nonferrous metals and their products.	115.5	+ .8	+22.4	114.2	+2.1	+46.8	26.60	+1.3	+20.0	41.9	—1.6	+5.6	63.0	+3.1	+13.8
Aluminum manufactures.....	124.4	+ .2	+20.6	130.7	+ .3	+42.4	26.38	+ .1	+18.1	42.5	—1.2	+5.3	62.1	+1.3	+12.7
Brass, bronze, and copper products.....	127.6	+2.8	+29.3	132.7	+3.9	+63.6	29.43	+1.0	+26.5	42.9	—1.6	+7.6	68.6	+2.6	+17.6
Clocks and watches and time-recording devices.....	123.0	+ .8	+19.3	122.1	+1.6	+38.3	23.25	+ .8	+15.9	42.0	—2.4	+7.8	55.4	+3.3	+8.6
Jewelry.....	87.5	—1.2	+20.2	68.0	—1.8	+37.4	23.58	— .6	+14.4	38.4	—2.9	+7.4	61.3	+1.8	+6.2
Lighting equipment.....	101.4	—2.3	+41.8	107.1	—2.0	+63.5	26.52	+ .3	+18.8	41.4	—2.5	+5.2	64.3	+3.0	+13.4
Silverware and plated ware.....	74.4	+ .9	+16.4	68.5	+ .8	+44.1	25.65	— .1	+23.7	41.4	— .8	+21.9	62.6	+1.2	+ .7
Smelting and refining—copper, lead, and zinc.....	84.6	+4.3	+10.1	81.9	+8.9	+36.6	28.40	+4.5	+24.1	42.5	—1.2	+3.4	66.9	+5.7	+20.0
Stamped and enameled ware.....	162.4	—1.7	+16.7	164.1	+ .5	+28.8	23.49	+2.3	+10.4	41.5	—1.2	—1.5	56.7	+3.6	+12.8

Lumber and allied products.....	70.6	+1.1	+12.4	68.3	+5.7	+30.6	21.64	+4.4	+16.1	43.6	+8	+5.7	50.2	+3.8	+8.3
Furniture.....	86.9	-7	+21.9	78.5	+2.0	+41.2	21.21	+2.8	+15.8	43.0	+2	+6.4	49.7	+2.6	+9.7
Lumber:															
Millwork.....	57.7	+1.8	+23.7	55.6	+5.6	+40.7	22.46	+3.8	+13.7	44.9	+4	+7.7	50.2	+3.4	+5.5
Sawmills.....	53.4	+2.2	+5.6	52.0	+8.5	+21.3	21.71	+6.2	+14.9	43.7	+1.3	+4.1	50.5	+4.7	+9.1
Stone, clay, and glass products.....	73.0	+3.8	+15.9	71.1	+7.6	+35.7	24.80	+3.6	+17.1	40.7	+5	+5.3	61.3	+3.2	+11.0
Brick, tile, and terra cotta.....	53.3	+8.0	+24.0	49.2	+15.5	+52.3	22.53	+6.9	+23.0	43.4	+5	+6.2	52.2	+6.4	+16.5
Cement.....	66.9	+5.3	+21.9	68.5	+9.6	+44.8	25.48	+4.1	+18.7	39.5	+8	+5.1	64.5	+3.2	+13.1
Glass.....	110.9	+8	+12.0	120.2	+4.4	+32.6	26.18	+3.6	+18.2	39.1	+9	+5.2	67.4	+2.9	+12.8
Marble, granite, slate, and other products.....	43.1	+6.7	+13.4	38.8	+15.6	+21.9	26.30	+8.3	+7.5	40.0	+6.3	+4.8	65.8	+1.6	+2.6
Pottery.....	82.1	+1.2	+9.7	+72.2	-2.3	+22.1	23.42	-3.5	+11.3	41.7	-3.6	+4.7	57.4	+2.0	+4.3
<i>Nondurable goods</i>															
Textiles and their products.....	109.9	-1.2	+10.5	100.2	-2.9	+23.2	18.34	-1.7	+11.6	37.0	-3.4	+4.8	49.1	+1.8	+6.1
Fabrics.....	103.7	-1	+13.1	100.3	+2.9	+29.9	18.27	+3.0	+14.8	38.1	-1.9	+4.6	47.7	+5.1	+9.5
Carpets and rugs.....	102.9	+6	+25.0	101.5	-1.4	+51.8	23.25	-1.9	+21.5	37.7	-7.1	+9.1	61.3	+5.5	+9.8
Cotton goods.....	105.7	+6	+19.1	107.6	+6.1	+43.6	16.11	+5.5	+20.5	38.6	-1.4	+4.7	41.6	+6.9	+14.9
Cotton small wares.....	107.9	-6	+13.2	108.3	-9	+21.4	18.75	-3	+7.4	39.9	-3.0	+2.6	47.6	+3.0	+6.5
Dyeing and finishing textiles.....	123.1	(?)	+3.2	114.6	+1.8	+13.6	22.30	+1.8	+10.0	39.6	-2.1	+2.2	55.9	+4.0	+7.2
Hats, fur-felt.....	88.0	-3.1	+2.0	65.9	-26.4	+2.7	20.33	-24.1	+6	27.8	-25.8	-4.1	70.5	-(?)	+4.5
Knit goods.....	123.4	-2	+7.4	127.5	+4	+15.4	17.93	+6	+7.5	37.7	-2.2	+4.5	48.5	+2.5	+3.0
Silk and rayon goods.....	82.2	-6	+8.2	71.3	+8	+21.0	16.76	+1.4	+11.8	37.8	-9	+6.5	44.6	+2.8	+5.3
Woolen and worsted goods.....	89.0	-1.4	+11.7	83.3	+5.4	+36.3	21.57	+6.9	+21.9	37.7	-4	+6.3	57.5	+7.5	+14.4
Wearing apparel.....	121.8	-2.9	+5.9	95.7	-13.3	+11.0	18.53	-10.7	+4.8	34.6	-6.6	+4.5	51.9	-3.5	+1.5
Clothing, men's.....	114.8	-1.3	+8.1	95.7	-9.4	+24.8	19.94	-8.2	+15.5	34.9	-6.3	+15.4	56.5	-1.4	+3.1
Clothing, women's.....	161.8	-4.8	+1.5	112.6	-18.3	-2	19.12	-14.3	-1.7	33.2	-6.9	-1.1	54.4	-6.5	+1.1
Corsets and allied garments.....	92.4	-8	+2.7	96.0	-2.3	+6.5	17.03	-1.5	+3.5	37.1	-4.4	+2.7	45.8	+3.0	+2.4
Men's furnishings.....	146.8	-5	+18.1	115.7	-6.0	+24.4	13.99	-5.4	+5.5	38.0	-3.1	-1.5	33.3	-7	-1
Millinery.....	61.0	-8.7	-1.7	48.6	-24.8	-4.6	22.26	-17.6	-3.1						
Shirts and collars.....	126.6	-2.7	+11.6	114.6	-6.4	+14.0	13.56	-3.8	+2.0	35.6	-4.4	-3.5	38.0	+1.4	+4.5
Leather and its manufactures.....	98.3	-2.5	+8.3	87.7	-5.1	+29.5	20.82	-2.7	+19.6	38.9	-5.0	+14.9	53.8	+2.6	+5.1
Boots and shoes.....	99.3	-3.3	+8.9	81.6	-8.3	+31.7	19.82	-5.2	+20.9	38.5	-6.1	+17.0	51.8	+2.2	+4.5
Leather.....	100.0	+1.2	+6.1	111.4	+3.8	+24.1	24.76	+2.6	+17.0	40.6	-6	+8.8	61.4	+3.5	+7.6
Food and kindred products.....	107.7	+1.9	+7.4	108.2	+3.9	+19.8	24.43	+2.0	+11.7	41.1	-1.4	+4.2	58.8	+3.3	+9.5
Baking.....	132.7	-7	+5.5	123.4	-5	+13.3	24.28	+2	+7.4	42.3	-1.7	+6.8	57.8	+1.8	+3.5
Beverages.....	196.7	+2.2	+11.4	220.2	+4.3	+18.0	33.04	+2.1	+5.9	41.3	+1.4	+2.1	80.9	+5	+3.2
Butter.....	83.9	+2.0	+3.3	66.2	+2.8	+7.3	22.99	+8	+3.8						
Canning and preserving.....	110.8	+23.7	+17.6	113.3	+26.6	+40.3	16.49	+2.3	+19.2	36.4	-2.9	+9.3	46.6	+4.1	+13.2
Confectionery.....	74.2	-5.8	+3.5	70.5	-7.5	+14.5	17.16	-1.8	+10.5	38.6	-1.8	+9.0	44.8	+1.8	+3.2
Flour.....	74.4	+3	+7	72.3	+2.7	+10.8	24.75	+2.4	+10.0	44.3	+2.0	+6.6	55.5	+1.1	+3.2
Ice cream.....	69.2	+7.2	+3.0	64.4	+8.3	+10.4	28.36	+1.1	+7.2	48.2	+1.0	+3.6	58.5	+1.0	+2.8
Slaughtering and meat packing.....	58.4	-2.6	+7.5	98.7	+7.8	+32.3	27.99	+10.7	+23.0	40.9	-1	+2.5	65.0	+11.6	+20.6
Sugar, beet.....	44.0	+13.3	+9.3	50.3	+12.2	+19.3	25.96	-1.0	+9.0	40.4	+1.5	+1.8	68.5	-1.7	+9.2
Sugar refining, cane.....	83.7	+9.9	+3.4	80.5	-2	+17.6	25.83	-9.1	+13.8	42.3	-7.8	+6.4	60.1	-1.1	+4.1
Tobacco manufactures.....	60.2	-1.0	+2.7	52.3	-2	+18.9	18.05	+8	+15.7	36.7	+1	+11.5	43.4	+1.3	+5.1
Chewing and smoking tobacco and snuff.....	56.0	-1.7	+5	65.7	+4	+15.1	17.50	+2.0	+14.5	36.3	-2.4	+4.7	48.5	+4.7	+9.4
Cigars and cigarettes.....	60.6	-1.1	+3.0	50.7	-2	+19.5	15.73	+1.0	+16.4	36.8	+4	+12.6	42.8	+8	+4.6

See footnotes at end of table.

Table 3.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, April 1937—Continued

Manufacturing—Continued

[Indexes are based on 3-year average 1923-25=100 and are adjusted to 1933 Census of Manufactures]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index April 1937	Percentage change from—		Index April 1937	Percentage change from—		April 1937	Percentage change from—		April 1937	Percentage change from—		April 1937	Percentage change from—	
		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936		March 1937	April 1936
<i>Nondurable goods—Continued</i>															
Paper and printing	107.2	+0.1	+8.2	104.8	+0.7	+16.7	\$28.30	+0.6	+7.9	40.8	-0.7	+4.8	72.0	+1.2	+2.8
Boxes, paper.....	104.0	+3	+14.5	107.9	+1.1	+27.1	21.10	+9	+11.1	42.2	-2.3	+5.9	50.5	+3.1	+5.0
Paper and pulp.....	119.1	+1.3	+9.5	110.6	+2.7	+25.2	25.29	+1.4	+14.4	43.4	-6	+4.7	58.4	+2.0	+8.9
Printing and publishing:															
Book and job.....	96.9	-1.2	+10.0	93.4	-9	+17.5	30.45	+3	+6.8	40.4	-1	+6.5	76.2	+4	+3
Newspapers and periodicals.....	105.6	(?)	+2.0	103.7	+4	+7.1	36.70	+4	+4.9	37.7	-6	+2.6	93.9	+1.2	+3.2
Chemicals and allied products, and petroleum refining	126.6	+1.4	+12.7	136.4	+6.5	+31.4	27.63	+5.0	+19.6	40.3	+2	+3.8	70.0	+5.1	+13.8
Other than petroleum refining.....	127.7	+1.3	+14.7	136.2	+5.7	+32.9	25.33	+4.4	+15.9	41.8	+4	+3.9	61.9	+3.6	+12.6
Chemicals.....	135.0	+1.2	+17.1	150.6	+7.4	+38.0	30.76	+0.1	+17.9	41.1	+3	+1.3	74.9	+5.8	+16.3
Cottonseed—oil, cake, and meal.....	58.7	-14.6	+13.4	50.3	-14.1	+36.8	11.46	+5	+20.5	49.8	+1.0	+14.0	23.2	-3	+6.4
Druggists' preparations.....	111.5	-6	+9.0	119.8	-1.2	+14.8	23.48	-6	+5.3	40.0	-1.5	+2.0	56.0	+1.4	+2.4
Explosives	92.4	+2.5	+15.8	107.6	+10.3	+45.3	33.19	+7.7	+25.5	42.3	+2.4	+10.6	78.5	+5.1	+13.8
Fertilizers.....	151.6	+11.5	+26.5	150.9	+18.2	+40.0	16.19	+0.0	+17.8	45.6	+3.0	+14.3	35.5	+3.0	+3.9
Paints and varnishes.....	138.2	+2.7	+10.5	142.1	+6.8	+24.5	28.12	+4.0	+12.7	43.4	+1.5	+3.6	65.0	+2.7	+8.8
Rayon and allied products.....	378.1	+1.3	+16.2	364.8	+4.3	+35.6	23.79	+2.9	+16.6	39.8	+1	+1.8	59.8	+2.0	+14.7
Soap.....	107.6	-3.0	+13.1	116.4	-5.6	+26.7	26.38	-2.6	+12.2	39.6	-3.5	+2.8	68.9	+8	+0.0
Petroleum refining	122.0	+1.2	+4.7	137.0	+9.1	+26.7	33.59	+7.8	+20.8	35.6	-5	+2.0	95.1	+8.2	+19.3
Rubber products	96.7	0	+10.0	100.3	+5	+21.1	27.67	+5	+10.1	37.7	-1.2	+2.4	75.1	+1.9	+8.5
Rubber boots and shoes.....	76.0	-5.3	+5.9	68.2	-5.4	+23.2	22.36	-1	+16.5	39.1	-2.0	+4.7	57.2	+1.9	+9.7
Rubber goods other than boots, shoes, tires, and inner tubes.....	147.1	+2.0	+19.3	150.8	+3.3	+35.9	23.62	+1.2	+13.9	41.2	-8	+8.2	58.5	+3.1	+9.6
Rubber tires and inner tubes.....	81.4	+3	+4.9	90.5	+2	+13.4	32.37	-1	+8.1	34.6	-1.4	-3.8	93.8	+1.3	+11.5

Nonmanufacturing

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

Coal mining:															
Anthracite.....	54.0	+10.5	+8.5	63.9	+68.9	+122.9	34.40	+52.8	+105.5	41.8	+46.7	+101.3	82.6	+4.8	+0.8
Bituminous.....	72.6	-15.5	-6.3	54.4	-38.5	-13.1	19.06	-27.3	-7.3	21.7	-36.1	-18.0	87.8	+12.2	+11.2
Metalliferous mining.....	76.2	+4.2	+32.4	76.9	+8.9	+69.1	32.06	+4.5	+27.7	44.5	-1.0	+7.0	72.0	+5.4	+20.1
Quarrying and nonmetallic mining.....	53.1	+8.1	+9.7	48.1	+16.3	+33.1	22.70	+7.5	+21.4	43.1	+3.0	+9.2	52.6	+4.2	+10.6
Crude petroleum producing.....	75.8	+2.1	+6.2	67.4	+5.9	+18.1	33.27	+3.7	+11.2	40.1	+6	+4.6	82.0	+3.9	+6.4
Public utilities:															
Telephone and telegraph.....	76.6	+1.6	+8.1	86.1	-1.0	+13.3	30.18	-2.6	+4.8	39.3	+(?)	+1.3	79.6	-2.2	+3.7
Electric light and power and manufactured gas.....	92.9	+1.8	+5.5	95.2	+8	+10.5	33.18	+(?)	+4.8	40.5	-4	+7	81.7	+1.1	+5.5
Electric-railroad and motorbus operation and maintenance.....	72.9	+3	+2.3	69.4	+2	+5.2	31.25	-1	+2.8	46.2	-5	-9	66.6	+4	+3.8
Trade:															
Wholesale.....	91.9	-2	+7.2	75.4	+6	+11.0	29.33	+8	+3.6	42.7	-4	+6	68.6	+1.2	+2.7
Retail.....	88.8	+4	+4.2	71.0	+1.9	+10.1	21.72	+1.5	+5.5	43.5	-2	-(?)	54.4	+1.6	+5.0
General merchandising.....	99.6	-7	+2.2	89.0	+1.6	+9.8	18.61	+2.3	+7.4	39.9	-8	-1.5	50.0	+2.6	+8.8
Other than general merchandising.....	86.0	+8	+4.9	68.3	+2.0	+9.9	24.24	+1.2	+4.8	44.6	-1	+3	55.8	+1.3	+4.0
Hotels (year-round) ³	88.4	+1.8	-6.3	74.5	+2.5	+12.4	14.59	+8	+5.8	47.9	-1.2	+4	30.1	+1.7	+5.7
Laundries.....	88.5	-3	-6.3	78.5	+1.3	+10.7	16.79	+1.6	+4.1	43.1	+4	+1.0	38.6	+1.0	+2.8
Dyeing and cleaning.....	84.9	+4.8	+3.9	68.8	+11.5	+7.3	19.94	+6.4	+3.3	43.8	+2.5	+1.3	46.3	+2.5	+2.3
Brokerage.....	(*)	+3	+6.3	(*)	+6	+11.0	39.17	+3	+4.5	(*)	(*)	(*)	(*)	(*)	(*)
Insurance.....	(*)	-1	+1.1	(*)	+2	+5.1	39.24	+3	+3.9	(*)	(*)	(*)	(*)	(*)	(*)
Building construction.....	(*)	+9.8	+17.3	(*)	+16.3	+37.1	29.60	+6.0	+16.9	33.3	+5.5	+5.5	88.4	+4	+10.9

¹ Average weekly earnings are computed from figures furnished by all reporting establishments. Average hours and average hourly earnings are computed from data supplied by a smaller number of establishments as all reporting firms do not furnish man-hours. Percentage changes over year are computed from indexes. Percentage changes over month in average weekly earnings for the manufacturing groups, for all manufacturing industries combined, and for retail trade are also computed from indexes.

² Less than 1/10 of 1 percent.

³ Cash payments only; the additional value of board, room, and tips cannot be computed.

⁴ Not available.

Indexes of Employment and Pay Rolls, January 1936 to April 1937

INDEXES of employment and pay rolls are given in tables 4 and 5 for all manufacturing industries combined, for the durable- and nondurable-goods groups of manufacturing industries separately, and for 13 nonmanufacturing industries including 2 subgroups under retail trade, by months from January 1936 to April 1937, inclusive. The accompanying chart indicates the trend of factory employment and pay rolls from January 1919 to April 1937.

The indexes of factory employment and pay rolls are computed from returns supplied by representative establishments in 89 manufacturing industries and cover only wage earners. The base used in computing these indexes is the 3-year average 1923-25 as 100. In April 1937 reports were received from 25,297 manufacturing establishments employing 4,971,593 workers whose weekly earnings were \$130,777,313. The employment reports received from these establishments 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 89 industries included in the monthly survey of the Bureau of Labor Statistics.

The indexes for nonmanufacturing industries are also computed from data supplied by reporting establishments, but the base is the 12-month average for 1929 as 100. Figures for mining, laundries, dyeing and cleaning, and building construction cover wage earners only, but the figures for public utilities, trade, hotels, brokerage, and insurance relate to all employees, including executives. For crude-petroleum producing they cover wage earners and clerical field force.

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.

Table 4.—Indexes of Employment and Pay Rolls in All Manufacturing Industries Combined and in the Durable- and Nondurable-Goods Groups, January 1936 to April 1937 ¹

[Adjusted to 1933 Census of Manufacturers—3-year average 1923-25=100]

Month	Manufacturing											
	Total				Durable goods ²				Nondurable goods ³			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	86.8	96.5	73.8	90.7	78.7	90.4	66.9	86.6	95.4	103.0	82.5	96.0
February.....	86.9	99.0	73.7	95.8	78.6	93.2	66.6	92.5	95.8	105.2	82.7	99.9
March.....	87.9	101.1	77.6	101.1	80.2	96.4	71.8	100.0	96.1	106.1	84.9	102.6
April.....	89.1	102.1	79.3	104.9	82.3	98.6	76.0	106.4	96.3	105.9	83.5	102.9
May.....	89.8	—	80.8	—	84.0	—	78.5	—	96.0	—	83.8	—
June.....	90.1	—	81.1	—	84.7	—	79.0	—	95.9	—	83.9	—
July.....	91.2	—	80.2	—	84.6	—	75.9	—	98.2	—	85.6	—
August.....	93.5	—	83.5	—	84.7	—	77.0	—	102.8	—	91.8	—
September.....	95.5	—	83.6	—	85.7	—	77.2	—	105.9	—	91.6	—
October.....	96.7	—	89.0	—	89.2	—	85.3	—	104.7	—	93.7	—
November.....	96.9	—	90.7	—	91.0	—	88.9	—	103.3	—	92.9	—
December.....	98.1	—	95.2	—	92.7	—	93.4	—	104.0	—	97.5	—
Average.....	91.9	—	82.4	—	81.7	—	78.0	—	99.5	—	87.9	—

¹ Comparable indexes for earlier years will be found in the February 1937 issue of this report, or in the April 1937 issue of the Monthly Labor Review.

² Includes the following groups of manufacturing industries: Iron and steel; machinery; transportation equipment; railroad repair shops; nonferrous metals; lumber and allied products; and stone, clay, and glass products.

³ Includes the following groups of manufacturing industries: 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.

Table 5.—Indexes of Employment and Pay Rolls in Selected Nonmanufacturing Industries, January 1936 to April 1937 ¹

[12-month average 1929=100]

Month	Anthracite mining				Bituminous-coal mining				Metalliferous mining				Quarrying and non-metallic mining			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	59.1	54.1	54.4	42.7	79.8	84.6	70.6	79.9	54.2	66.8	41.7	58.4	39.4	45.7	25.5	34.6
February.....	61.2	52.7	76.7	41.0	80.2	84.8	78.4	82.4	55.5	69.6	42.8	63.4	36.9	46.7	23.9	37.8
March.....	52.5	48.9	42.6	37.8	80.4	85.9	70.2	88.4	55.9	73.1	45.1	70.6	42.2	49.1	30.9	41.3
April.....	49.8	54.0	28.6	63.9	77.5	72.6	62.6	54.4	57.5	76.2	45.5	76.9	48.4	53.1	36.1	48.1
May.....	54.9	—	56.3	—	76.2	—	62.2	—	60.8	—	47.7	—	52.0	—	42.1	—
June.....	51.2	—	42.0	—	75.7	—	61.5	—	61.9	—	48.2	—	53.5	—	44.0	—
July.....	48.4	—	37.2	—	75.5	—	62.6	—	61.3	—	46.1	—	54.4	—	43.9	—
August.....	41.1	—	31.4	—	76.9	—	65.4	—	61.6	—	48.2	—	55.3	—	46.2	—
September.....	47.6	—	34.9	—	78.2	—	71.0	—	63.1	—	50.0	—	54.9	—	44.8	—
October.....	49.9	—	48.5	—	81.1	—	79.2	—	64.2	—	53.7	—	54.6	—	46.2	—
November.....	51.5	—	40.3	—	82.3	—	80.7	—	62.9	—	54.6	—	52.6	—	43.5	—
December.....	54.8	—	55.4	—	83.9	—	85.0	—	64.4	—	57.7	—	49.4	—	39.4	—
Average.....	51.8	—	45.7	—	79.0	—	70.8	—	60.3	—	48.4	—	49.5	—	38.9	—

¹ Comparable indexes for earlier years for all of these industries, except year-round hotels, will be found in the November 1934 and subsequent issues of this pamphlet, or the February 1935 and subsequent issues of the Monthly Labor Review. Comparable indexes for year-round hotels will be found in the June 1935 issue of this pamphlet, or the September 1935 issue of the Monthly Labor Review.

Table 5.—Indexes of Employment and Pay Rolls in Selected Nonmanufacturing Industries, January 1936 to April 1937—Continued

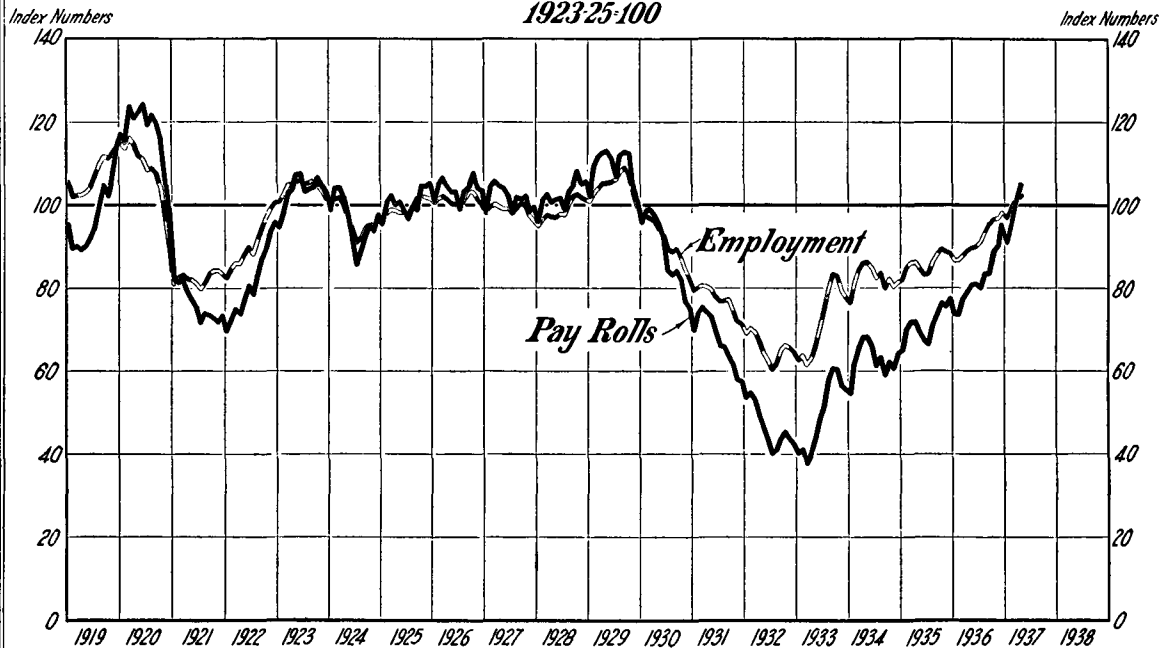
Month	Crude-petroleum producing				Telephone and telegraph				Electric light and power, and manufactured gas				Electric-railroad and motorbus operation and maintenance ¹			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	71.1	72.7	55.7	61.0	70.1	74.4	75.0	83.8	86.1	92.1	84.8	92.3	70.7	72.5	65.0	68.0
February.....	70.8	73.5	55.7	63.8	69.9	74.8	76.2	82.3	86.1	92.0	84.7	93.3	71.7	72.5	68.3	68.7
March.....	70.9	74.2	56.0	63.7	70.2	75.4	77.2	86.9	86.8	92.2	85.9	94.5	71.2	72.6	67.8	69.2
April.....	71.3	75.8	57.1	67.4	70.8	76.6	76.0	86.1	88.0	92.9	86.2	95.2	71.3	72.9	65.9	69.4
May.....	72.7	77.7	58.0	67.4	71.6	78.5	78.5	86.1	89.0	92.9	87.0	95.2	71.5	72.9	66.1	69.4
June.....	73.7	77.7	58.9	67.4	72.1	77.4	77.4	86.1	90.4	92.9	88.1	95.2	71.7	72.9	66.8	69.4
July.....	75.4	77.7	60.4	67.4	73.1	79.9	79.9	86.1	91.7	92.9	89.8	95.2	72.4	72.9	66.5	69.4
August.....	75.0	77.7	59.7	67.4	73.5	78.2	78.2	86.1	93.1	92.9	89.8	95.2	72.4	72.9	66.5	69.4
September.....	74.5	77.7	60.4	67.4	73.7	78.8	78.8	86.1	93.5	92.9	91.4	95.2	72.8	72.9	66.4	69.4
October.....	73.6	77.7	59.6	67.4	73.8	83.1	83.1	86.1	94.0	92.7	91.4	95.2	73.1	72.9	67.7	69.4
November.....	73.2	77.7	60.1	67.4	73.7	81.6	81.6	86.1	93.5	91.8	91.8	95.2	73.0	72.9	69.7	69.4
December.....	72.4	77.7	61.3	67.4	73.6	82.4	82.4	86.1	93.2	93.8	93.8	95.2	72.5	72.9	69.3	69.4
Average.....	72.9	77.7	58.6	67.4	72.2	78.9	78.9	86.1	90.5	92.9	88.8	95.2	72.0	72.9	67.2	69.4

Month	Wholesale trade				Total retail trade				Retail trade—general merchandising				Retail trade—other than general merchandising			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	85.6	90.7	66.6	72.6	80.4	85.4	62.1	68.0	88.2	95.1	76.4	83.8	78.4	82.9	59.1	64.7
February.....	85.0	92.0	66.6	74.1	79.7	85.2	61.6	67.9	85.1	93.9	73.9	82.9	78.3	82.9	59.1	64.8
March.....	85.6	92.1	69.0	75.0	81.9	88.5	63.5	70.5	90.9	100.3	77.3	87.6	79.5	85.4	60.7	67.0
April.....	85.7	91.9	67.9	75.4	85.2	88.8	65.3	71.9	97.4	99.6	81.0	89.0	82.0	86.0	62.1	68.3
May.....	84.6	88.2	68.2	75.0	85.0	88.8	65.8	71.9	95.5	99.6	80.8	89.0	82.3	86.0	62.7	68.3
June.....	84.6	88.4	68.4	75.0	85.5	88.8	66.4	71.9	96.4	99.6	81.3	89.0	82.6	86.0	63.3	68.3
July.....	85.4	89.0	69.0	75.0	83.2	88.8	65.1	71.9	90.7	99.6	77.3	89.0	81.2	86.0	62.6	68.3
August.....	86.3	89.7	69.7	75.0	82.4	88.8	64.4	71.9	89.4	99.6	76.4	89.0	80.5	86.0	61.9	68.3
September.....	88.0	90.5	70.5	75.0	86.6	90.5	66.6	71.9	98.5	99.6	82.8	89.0	83.5	86.0	63.3	68.3
October.....	89.0	91.0	71.5	75.0	88.7	90.5	68.3	71.9	103.9	99.6	87.2	89.0	84.7	86.0	64.4	68.3
November.....	89.7	91.0	73.1	75.0	90.1	90.5	70.1	71.9	109.3	99.6	91.4	89.0	85.1	86.0	65.7	68.3
December.....	91.0	91.0	72.8	75.0	99.6	90.5	75.9	71.9	143.4	99.6	116.2	89.0	88.1	86.0	67.6	68.3
Average.....	86.7	91.0	69.4	75.0	85.7	90.5	66.3	71.9	99.1	99.6	83.5	89.0	82.2	86.0	62.7	68.3

Month	Year-round hotels				Laundries				Dyeing and cleaning			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	81.9	85.5	64.9	70.4	81.5	88.5	68.3	76.4	71.5	76.8	51.6	55.6
February.....	82.8	86.4	66.5	72.5	82.1	88.6	67.8	76.3	70.3	76.2	49.0	54.6
March.....	82.8	86.9	66.0	72.7	82.1	88.7	69.9	77.5	74.7	81.1	56.4	61.7
April.....	83.2	88.4	66.3	74.5	83.2	88.5	70.9	78.5	81.8	84.9	64.1	68.8
May.....	84.1	87.0	67.0	74.5	85.5	88.5	75.6	78.5	87.3	87.3	72.2	68.8
June.....	83.9	86.6	66.6	74.5	87.2	88.5	75.8	78.5	87.5	87.5	69.2	68.8
July.....	83.3	86.0	66.0	74.5	90.5	88.5	79.0	78.5	85.5	85.5	64.8	68.8
August.....	83.2	86.1	66.1	74.5	89.6	88.5	76.7	78.5	83.5	83.5	63.2	68.8
September.....	84.2	87.5	67.5	74.5	89.6	88.5	76.6	78.5	86.7	86.7	66.1	68.8
October.....	85.4	89.6	69.6	74.5	87.6	88.5	75.3	78.5	86.5	86.5	66.7	68.8
November.....	84.6	89.6	69.6	74.5	87.0	88.5	74.5	78.5	81.3	81.3	60.2	68.8
December.....	84.0	89.8	69.8	74.5	87.6	88.5	76.1	78.5	77.7	77.7	57.3	68.8
Average.....	83.6	87.2	67.2	74.5	86.1	88.5	73.9	78.5	81.2	81.2	61.7	68.8

¹ Not including electric-railroad car building and repairing; see transportation equipment and railroad repair-shop groups, manufacturing industries, table 3.

EMPLOYMENT & PAY ROLLS ALL MANUFACTURING INDUSTRIES 1923=100



UNITED STATES BUREAU OF LABOR STATISTICS

Trend of Industrial and Business Employment, by States

A COMPARISON of employment and pay rolls, by States and geographic divisions, in March and April 1937, 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 grand total 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 89 manufacturing industries presented in table 3. The totals for all groups combined include all manufacturing industries and each of the non-manufacturing industries presented in table 3 except building construction.

Table 6.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1937 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 April 1937	Percentage change from March 1937	Amount of pay roll (1 week) April 1937	Percentage change from March 1937	Number of establishments	Number on pay roll April 1937	Percentage change from March 1937	Amount of pay roll (1 week) April 1937	Percentage change from March 1937
				<i>Dollars</i>					<i>Dollars</i>	
New England.....	14,008	959,208	+ 8	23,093,295	+3.2	3,495	680,122	+ 4	16,170,031	+3.5
Maine.....	791	59,384	-1.8	1,290,210	+1.1	285	48,763	-3.0	1,034,873	+0.3
New Hamp- shire.....	594	39,803	+ 6	853,046	+2.2	204	33,069	+1.0	692,216	+3.1
Vermont.....	449	18,985	+2.3	438,230	+6.3	142	12,876	+2.4	298,919	+7.2
Massachusetts.....	<i>1 8,585</i>	<i>517,019</i>	<i>+1.2</i>	<i>12,459,068</i>	<i>+2.7</i>	<i>1,694</i>	<i>317,293</i>	<i>+ 6</i>	<i>7,524,591</i>	<i>+2.8</i>
Rhode Island.....	1,258	100,487	-1.1	2,340,820	+6.2	426	81,240	-3.1	1,835,003	+6.6
Connecticut.....	2,531	223,500	+1.0	5,711,923	+3.6	744	186,881	+1.3	4,784,429	+4.0
Middle Atlantic.....	35,434	2,304,275	+ 2	63,486,848	+2.1	5,223	1,282,614	+ 4	35,042,336	+3.3
New York.....	23,712	1,049,340	- 2	29,538,359	- 1	<i>2,089</i>	<i>471,105</i>	<i>- 2</i>	<i>13,774,711</i>	<i>+ 5</i>
New Jersey.....	4,134	351,680	+ 8	9,370,613	+2.6	<i>3,828</i>	<i>266,490</i>	<i>+ 9</i>	<i>6,995,735</i>	<i>+4.0</i>
Pennsylvania.....	7,589	904,114	+ 5	24,584,429	+4.5	<i>2,906</i>	<i>545,019</i>	<i>+ 7</i>	<i>14,871,890</i>	<i>+5.6</i>
East North Central.....	21,680	2,403,094	+1.7	69,025,784	+3.8	7,501	1,896,012	+2.3	56,014,857	+5.0
Ohio.....	8,039	667,814	+ 8	19,161,671	+2.9	2,525	505,344	+1.1	15,221,018	+4.6
Indiana.....	<i>6,491</i>	<i>283,184</i>	<i>+2.9</i>	<i>7,874,558</i>	<i>+6.8</i>	<i>899</i>	<i>235,717</i>	<i>+3.9</i>	<i>6,812,880</i>	<i>+9.0</i>
Illinois.....	<i>5 6,344</i>	<i>651,667</i>	<i>+ 5</i>	<i>17,819,021</i>	<i>+3.4</i>	<i>2,422</i>	<i>459,728</i>	<i>+ 8</i>	<i>12,858,507</i>	<i>+5.8</i>
Michigan.....	3,835	601,532	+3.1	18,842,838	+3.7	<i>929</i>	<i>253,068</i>	<i>+4.3</i>	<i>16,695,179</i>	<i>+3.8</i>
Wisconsin.....	<i>2,881</i>	<i>196,406</i>	<i>+1.7</i>	<i>5,221,796</i>	<i>+3.1</i>	<i>726</i>	<i>162,220</i>	<i>+1.2</i>	<i>4,427,275</i>	<i>+2.8</i>
West North Central.....	11,398	435,728	-(*)	10,662,310	+1.6	2,446	222,180	+ 8	5,493,408	+2.9
Minnesota.....	2,178	89,119	+1.7	2,288,157	+4.1	425	41,161	+1.5	1,064,515	+4.8
Iowa.....	1,785	63,330	-2.8	1,549,648	- 2	416	38,122	-1.2	971,449	+2.7
Missouri.....	3,102	178,355	- 5	4,335,374	+1.1	896	102,872	+ 5	2,429,910	+ 5
North Dakota.....	534	5,007	+1.8	110,905	+1.0	57	681	+4.4	18,047	+1.8
South Dakota.....	482	7,937	+ 4	201,082	-1.7	39	2,212	-1.2	55,072	+ 1
Nebraska.....	<i>1,584</i>	<i>33,711</i>	<i>+1.7</i>	<i>805,978</i>	<i>+3.6</i>	<i>158</i>	<i>11,047</i>	<i>+1.3</i>	<i>302,992</i>	<i>+7.3</i>
Kansas.....	<i>2,263</i>	<i>68,269</i>	<i>+3.4</i>	<i>1,366,166</i>	<i>+4.7</i>	<i>455</i>	<i>25,435</i>	<i>+1.7</i>	<i>661,423</i>	<i>+7.8</i>

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

* Includes laundering and cleaning, and water, light, and power.

* Includes laundries.

* Weighted percentage change.

* Includes automobile and miscellaneous services, restaurants, and building and contracting.

* Includes construction, but not hotels and restaurants or public works.

* Does not include logging.

* Less than 1/10 of 1 percent.

* Includes financial institutions, miscellaneous services, and restaurants.

Table 6.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1937 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 April 1937	Percentage change from March 1937	Amount of pay roll (1 week) April 1937	Percentage change from March 1937	Number of establishments	Number on pay roll April 1937	Percentage change from March 1937	Amount of pay roll (1 week) April 1937	Percentage change from March 1937
				<i>Dollars</i>					<i>Dollars</i>	
South Atlantic.....	11, 109	880, 446	-0.2	17, 666, 544	-0.9	2, 750	592, 551	+0.8	11, 502, 932	+4.4
Delaware.....	206	15, 792	+3.2	409, 059	+6.8	81	11, 975	+3.9	305, 524	+8.1
Maryland.....	1, 636	198, 047	+2.5	3, 479, 424	+5.5	568	96, 628	+2.7	2, 473, 081	+6.5
District of Columbia.....	1, 109	41, 990	-0.3	1, 071, 188	+1.1	37	3, 746	-2.1	128, 460	-2.2
Virginia.....	2, 108	108, 167	-1.6	2, 154, 794	-1.4	461	76, 288	+1.0	1, 518, 666	+2.3
West Virginia.....	1, 246	155, 574	-1.5	3, 660, 756	-11.2	244	61, 852	+2.2	1, 703, 589	+6.5
North Carolina.....	1, 427	166, 347	+7.7	2, 687, 664	+2.9	569	153, 112	+9.2	2, 442, 516	+3.0
South Carolina.....	770	79, 204	+5.1	1, 216, 690	+4.1	211	71, 743	+4.1	1, 079, 429	+4.5
Georgia.....	1, 552	121, 854	+7.7	2, 066, 429	+2.5	385	94, 855	+5.5	1, 486, 247	+3.7
Florida.....	1, 155	53, 471	-7.2	920, 540	-5.1	194	22, 352	-7.6	365, 420	-4.5
East South Central.....	4, 343	296, 542	-3.8	5, 670, 104	-4.0	996	198, 832	+7.7	3, 736, 460	+4.0
Kentucky.....	1, 284	84, 423	-5.6	1, 835, 231	-8.6	291	39, 573	-5.5	902, 343	+1.3
Tennessee.....	1, 290	107, 315	+0.8	1, 978, 144	+1.9	380	82, 412	+2.0	1, 484, 372	+4.4
Alabama.....	1, 227	88, 198	-7.5	1, 576, 622	-5.8	239	66, 822	+3.3	1, 192, 672	+6.7
Mississippi.....	542	16, 606	-1.3	280, 107	-4.4	88	10, 025	-1.9	157, 073	+2.0
West South Central.....	4, 501	202, 107	+1.2	4, 596, 103	+3.5	1, 113	102, 690	+1.4	2, 211, 739	+6.2
Arkansas.....	10 445	23, 085	+1.7	440, 776	+2.8	176	17, 164	+1.2	312, 502	+4.6
Louisiana.....	1, 051	51, 217	+8.8	965, 296	+3.3	242	28, 250	+1.3	493, 997	+4.7
Oklahoma.....	1, 371	41, 868	+2.6	1, 025, 972	+3.2	142	12, 471	+3.6	295, 920	+6.2
Texas.....	11 1, 634	85, 937	+1.0	2, 134, 059	+5.9	553	44, 805	+8.8	1, 109, 380	+7.3
Mountain.....	4, 391	127, 931	+1.5	3, 644, 132	+2.2	572	39, 059	+4.7	1, 038, 311	+6.3
Montana.....	709	22, 108	+2.2	687, 616	+1.7	84	5, 147	+2.2	153, 750	+3.4
Idaho.....	473	10, 256	+4.0	279, 500	+10.5	55	2, 960	+16.0	77, 727	+32.6
Wyoming.....	326	8, 912	-2.9	227, 393	-14.7	36	1, 629	+2.4	52, 435	+5.4
Colorado.....	1, 257	44, 442	+4.1	1, 109, 137	-8.1	192	17, 027	+4.4	452, 104	+5.4
New Mexico.....	317	7, 737	+2.1	169, 329	-2.9	34	1, 263	+8.0	21, 299	+7.4
Arizona.....	479	20, 363	+5.4	557, 269	+7.2	36	3, 100	+3.3	76, 983	+5.4
Utah.....	622	21, 412	-2.2	538, 245	-2.7	108	6, 929	+4.6	174, 099	+7.7
Nevada.....	208	2, 601	+9.9	75, 643	+1.1	27	1, 004	-6.6	29, 914	-4.3
Pacific.....	9, 470	460, 701	+4.0	12, 632, 951	+4.0	2, 557	265, 774	+6.7	7, 388, 447	+7.0
Washington.....	3, 129	101, 814	+9.9	2, 795, 602	+3.1	563	57, 093	+9.9	1, 572, 746	+5.8
Oregon.....	1, 338	54, 357	+1.0	1, 424, 026	+4.5	306	31, 810	+1.2	821, 909	+7.6
California.....	12 5, 003	304, 530	+5.6	8, 413, 323	+4.3	1, 638	176, 871	+9.8	4, 993, 792	+7.3

¹⁰ Includes automobile dealers and garages, and sand, gravel, and building stone.¹¹ Includes business and personal service, and real estate.¹² Includes banks, insurance, and office employment.**Industrial and Business Employment and Pay Rolls in Principal Cities**

A COMPARISON of April 1937 employment and pay rolls with the March totals in 13 cities of the United States having a population of 500,000 or over is made in table 7. The changes are computed from reports received from identical establishments in both months.

In addition to reports included in the several industrial groups regularly covered in the survey by the Bureau, reports have also been secured from establishments in other industries for inclusion in these city totals. As information concerning employment in building construction is not available for all cities at this time, figures for this industry have not been included in these city totals.

Table 7.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1937, by Principal Cities

City	Number of establishments	Number on pay roll April 1937	Percentage change from March 1937	Amount of pay roll (1 week) April 1937	Percentage change from March 1937
New York, N. Y.....	17,384	734,010	-0.5	\$20,319,009	-1.1
Chicago, Ill.....	4,529	499,285	+7.7	14,461,533	+4.5
Philadelphia, Pa.....	2,486	240,082	+4.4	6,505,075	+4.5
Detroit, Mich.....	1,639	308,062	+4.7	12,820,732	+5.7
Los Angeles, Calif.....	2,838	160,424	+4.6	4,466,628	+1.4
Cleveland, Ohio.....	1,708	150,759	+1.1	4,367,896	+3.0
St. Louis, Mo.....	1,575	141,891	+1.1	3,659,937	+2.3
Baltimore, Md.....	1,213	107,792	+2.8	2,817,486	+7.0
Boston, Mass.....	3,870	191,597	+4.2	4,836,527	+4.9
Pittsburgh, Pa.....	1,374	212,315	-1.8	6,315,589	-4.3
San Francisco, Calif.....	1,654	92,913	+2.0	2,708,948	+2.3
Buffalo, N. Y.....	922	73,885	-1.2	2,167,959	+2.4
Milwaukee, Wis.....	717	96,224	+1.1	2,704,539	+4.7

Public Employment

EMPLOYMENT created by the Federal Government includes employment in the regular agencies of the Government, employment on the various construction programs wholly or partially financed by Federal funds, and employment on relief-work projects.

Construction projects financed by the Public Works Administration are those projects authorized by title II of the National Industrial Recovery Act of June 16, 1933. This program of public works has been extended to June 30, 1937, by the Emergency Relief Appropriation Act of 1935 and title II of the First Deficiency Appropriation Act of 1936. The First Deficiency Appropriation Act of 1936, cited as the Emergency Relief Appropriation Act of 1936, reappropriated unobligated funds originally made available under the Emergency Relief Appropriation Act of 1935 and authorized the use of \$300,000,000 from funds on hand or received from the sale of securities.

By authority of Public Resolution No. 11, Seventy-fourth Congress, approved April 8, 1935, the President, in a series of Executive orders, inaugurated a broad program of works to be carried out by 61 units of the Federal Government. The Works Program has been continued by title II of the First Deficiency Appropriation Act of 1936, cited as the Emergency Relief Appropriation Act of 1936. Employment created by this program includes employment on Federal projects and employment on projects operated by the Works Progress Administration. Federal projects are those conducted by Federal agencies which have received allotments from The Works Program fund. Projects operated by the Works Progress Administration are those projects conducted under the supervision of the Works Progress Administration with the cooperation of States, cities, or counties.

The emergency conservation program (Civilian Conservation Corps) created in April 1933 was further extended under authority of the

Emergency Relief Appropriation Act of 1935. Since July 1, 1936, emergency conservation work has been continued from appropriations authorized by the First Deficiency Appropriation Act of 1936.

With the following exceptions, statistics on public employment refer to the month ending on the 15th. Employment statistics for the Federal service and for emergency conservation work refer to the number employed on the last day of the month; pay-roll data are for the entire month. The value of material orders placed for projects operated by the Works Progress Administration is a cumulative total from the beginning of the program to the end of the current calendar month and is not available on a monthly basis. Employment and pay-roll statistics on National Youth Administration work projects and Student-Aid are for the calendar month. Data on the value of material orders placed on work projects of the National Youth Administration are cumulative through the current calendar month.

Executive Service of the Federal Government

STATISTICS of employment in the executive service of the Federal Government in April 1937, March 1937, and April 1936 are given in table 8.

Table 8.—Employees in the Executive Service of the U. S. Government, April 1937, March 1937, and April 1936 ¹

[Subject to revision]

Item	District of Columbia ²			Outside District of Columbia			Entire service ³		
	Perma- nent	Tem- porary	Total	Perma- nent	Tem- porary ⁴	Total	Perma- nent	Tem- porary ⁴	Total
Number of employees:									
April 1937.....	108,866	7,889	116,755	617,984	100,900	718,884	726,850	108,789	835,639
March 1937.....	108,788	7,747	116,535	615,132	97,915	713,047	723,920	105,662	829,582
April 1936.....	107,212	8,200	115,412	597,308	96,077	693,385	704,520	104,277	808,797
Percentage change:									
March 1937 to April 1937.....	+0.07	+1.83	+0.19	+0.46	+3.05	+0.82	+0.40	+2.96	+0.73
April 1936 to April 1937.....	+1.54	-3.79	+1.16	+3.46	+5.02	+3.68	+3.17	+4.33	+3.32
Labor turn-over April 1937:									
Number of:									
Separations ⁵	936	914	1,850	8,633	13,998	22,631	9,569	14,912	24,481
Accessions ⁶	1,091	1,088	2,179	10,206	18,000	28,206	11,297	19,088	30,385
Turn-over rate per 100:									
Separation rate.....	0.86	11.69	1.59	1.40	14.08	3.16	1.32	13.91	2.94
Accession rate.....	1.00	13.92	1.87	1.66	18.11	3.94	1.56	17.80	3.65

¹ Data on number of employees refer to employment on last day of month.

² Includes employees of Columbia Institution for the Deaf and Howard University.

³ Not including field employees of Post Office Department, or 27,694 employees hired under letters of authorization by the Department of Agriculture, with a pay roll of \$1,183,808.

⁴ Includes 153 employees by transfer previously reported as separations, not actual additions for April.

⁵ Not including employees transferred within the Government service, as such transfers should not be regarded as labor turn-over.

The monthly record of employment in the executive service of the United States Government from April 1936 to April 1937, inclusive, is shown in table 9.

Table 9.—Employment in the Executive Service of the U. S. Government, by Months, April 1936 through April 1937 ¹

[Subject to revision]

Month	District of Columbia	Outside District of Columbia	Total	Month	District of Columbia	Outside District of Columbia	Total
<i>1936</i>				<i>1936—Continued</i>			
April.....	115,412	693,385	808,797	November.....	115,174	722,098	837,272
May.....	117,219	699,034	816,253	December.....	116,345	712,962	829,307
June.....	117,459	705,193	822,652	<i>1937</i>			
July.....	116,250	712,557	828,807	January.....	116,259	713,924	830,183
August.....	115,796	716,570	832,375	February.....	116,259	710,462	826,721
September.....	115,050	718,990	834,040	March.....	116,535	713,047	829,582
October.....	114,783	724,361	839,144	April.....	116,755	718,884	835,639

¹ Data on number of employees refer to employment on last day of month.

Construction Projects Financed by the Public Works Administration

DETAILS concerning employment, pay rolls, and man-hours worked during April on construction projects financed by Public Works Administration funds are given in table 10, by type of project.

Table 10.—Employment and Pay Rolls on Projects Financed from Public Works Administration Funds, April 1937 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 ¹
	Maximum number employed ²	Weekly average				
Federal projects financed from N. I. R. A. funds						
All projects.....	\$ 34,301	31,903	\$3,317,376	4,513,240	\$0.734	\$3,473,563
Building construction.....	5,148	4,172	438,192	498,789	.879	951,812
Naval vessels.....	11,504	11,227	1,649,197	2,096,542	.787	597,334
Public roads ⁴	(⁵)	10,569	527,550	1,043,700	.505	570,060
Reclamation.....	1,662	1,506	209,239	260,528	.803	989,152
River, harbor, and flood control.....	4,623	3,718	429,298	526,145	.816	338,868
Streets and roads.....	87	58	5,078	6,296	.807	270
Water and sewerage.....	110	87	4,446	7,961	.558	8,661
Miscellaneous.....	598	566	54,376	73,279	.742	17,466
Non-Federal projects financed from N. I. R. A. funds						
All projects.....	28,013	23,450	\$2,306,759	2,527,489	\$0.913	\$3,848,024
Building construction.....	13,465	11,037	1,075,607	1,078,544	.997	1,950,107
Railroad construction.....	725	724	29,836	60,901	.490	0
Streets and roads.....	1,687	1,313	117,406	137,009	.857	91,422
Water and sewerage.....	9,357	8,044	928,044	966,728	.960	1,344,177
Miscellaneous.....	2,779	2,332	155,866	284,307	.548	462,318

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 Estimated by the Bureau of Public Roads.

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

Table 10.—Employment and Pay Rolls on Projects Financed from Public Works Administration Funds, April 1937—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				
	Projects financed from E. R. A. A. 1935 and 1936 funds ⁶					
All projects ⁷	129, 887	106, 960	\$9, 618, 255	12, 027, 623	\$0. 800	\$18, 563, 586
Building construction ⁷	80, 125	65, 749	6, 297, 922	7, 076, 514	. 890	11, 082, 167
Electrification.....	462	395	37, 223	49, 735	. 748	154, 854
Heavy engineering.....	3, 404	2, 765	302, 218	350, 731	. 862	672, 486
Reclamation.....	2, 734	2, 470	264, 899	379, 159	. 699	1, 105, 830
River, harbor, and flood control.....	373	255	23, 662	30, 547	. 775	28, 569
Streets and roads.....	16, 205	12, 879	750, 806	1, 464, 485	. 513	1, 309, 076
Water and sewerage.....	25, 044	21, 139	1, 816, 831	2, 514, 429	. 723	3, 668, 034
Miscellaneous.....	1, 540	1, 308	124, 694	162, 023	. 770	542, 570

⁶ These data are also included in separate tables covering projects financed by The Works Program.

⁷ Includes a maximum of 17,535 and an average of 14,785 employees working on low-cost housing projects financed from E. R. A. A. 1935 funds who were paid \$1,769,398 for 1,877,298 man-hours of labor. Material orders in the amount of \$2,253,150 were placed for these projects. These data are also included in separate tables covering projects financed from The Works Program.

Federal construction projects for which data are included in tables 10 and 11 are financed by allotments made by the Public Works Administration to the various agencies and departments of the Federal Government from funds provided under the National Industrial Recovery Act. The major portion of the low-cost housing program now under way, however, is financed by funds provided under the Emergency Relief Appropriation Act of 1935. The work is performed either by commercial firms which have been awarded contracts, or by day labor hired directly by the Federal agencies.

Non-Federal projects are financed by allotments made by the Public Works Administration from funds available under either the National Industrial Recovery Act, the Emergency Relief Appropriation Act of 1935, or the First Deficiency Appropriation Act of 1936. Most of the allotments have been made to the States and their political subdivisions, but occasionally allotments have been made to commercial firms. In financing projects for the States or their political subdivisions from funds appropriated under the National Industrial Recovery Act, the Public Works Administration makes a direct grant of not more than 30 percent of the total labor and material cost. When funds provided under the Emergency Relief Appropriation Act of 1935 or the First Deficiency Appropriation Act of 1936 are used to finance a non-Federal project, as much as 45 percent of the total cost may be furnished in the form of a grant. The remaining 55 percent or more of the cost is financed by the recipient. When circumstances justify such action, the Public Works Administration may provide the grantee with the additional funds by means of a loan. Allotments to commer-

cial enterprises are made only as loans. All loans made by the Public Works Administration carry interest charges and have a definite date of maturity. Collateral posted with the Public Works Administration to secure loans may be offered for sale to the public. In this way a revolving fund is provided which enlarges the scope of the activities of the Public Works Administration.

Commercial loans have been made, for the most part, to railroads. Railroad work financed by loans made by the Public Works Administration falls under three headings: First, construction work in the form of electrification, the laying of rails and ties, repairs to buildings, bridges, etc.; second, the building and repairing of locomotives and passenger and freight cars in shops operated by the railroads; and third, locomotive and passenger- and freight-car building in commercial shops.

Monthly Trend

A SUMMARY of employment, pay rolls, and man-hours worked on projects financed from Public Works Administration funds from July 1933 to April 1937, inclusive, is given in table 11.

Table 11.—Employment and Pay Rolls, July 1933 to April 1937, Inclusive, on Projects Financed from Public Works Administration Funds ¹

[Subject to revision]

Year and month	Maximum number of wage earners ²	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour	Value of material orders placed
July 1933 to April 1937, inclusive ³	-----	\$912,550,372	1,365,115,031	\$0.669	\$1,618,240,501
July to December 1933, inclusive.....	-----	33,244,066	62,209,479	.534	75,524,702
January to December 1934, inclusive.....	-----	308,311,143	523,561,666	.589	\$ 610,051,090
January to December 1935, inclusive ³	-----	270,393,548	391,919,033	.690	\$ 439,152,426
January to December 1936, inclusive ³	-----	242,768,950	316,666,182	.767	\$ 401,065,634
<i>1937</i>					
January ⁴	202,175	15,439,981	18,768,676	.823	26,929,308
February ⁴	174,990	13,796,390	16,580,393	.832	19,170,733
March ⁴	173,574	13,353,904	16,341,250	.817	20,461,435
April ⁴	192,201	15,242,390	19,068,352	.799	25,885,173

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. Includes weekly average for public-road projects.

³ Includes employees working on non-Federal projects financed from E. R. A. A. 1935 and 1936 funds and low-cost housing projects financed from E. R. A. A. 1935 funds. These data are also included in separate tables covering projects financed by The Works Program.

⁴ Revised.

⁵ Includes orders placed by railroads for new equipment.

The Works Program

A DETAILED record of employment, pay rolls, and man-hours worked on projects financed by The Works Program in April is shown in table 12, by type of project.

Table 12.—Employment and Pay Rolls on Projects Financed by The Works Program, April 1937¹

[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 ¹	Weekly average				
Federal projects						
All projects.....	254, 524	232, 745	\$13, 432, 725	26, 680, 307	\$0. 503	\$6, 901, 508
Building construction.....	44, 601	42, 108	2, 887, 211	4, 411, 392	. 654	1, 241, 316
Electrification.....	4, 672	4, 468	140, 490	335, 245	. 419	499, 687
Forestry.....	26, 757	23, 939	1, 056, 568	2, 496, 116	. 423	234, 420
Grade-crossing elimination.....	18, 808	15, 349	1, 119, 660	1, 803, 579	. 621	1, 640, 634
Heavy engineering.....	125	113	8, 639	9, 107	. 949	102
Hydroelectric power plants ²	1, 742	1, 742	19, 382	77, 777	. 249	5, 021
Plant, crop, and livestock conservation.....	26, 516	24, 107	838, 973	3, 355, 080	. 250	46, 907
Professional, technical, and clerical.....	13, 865	13, 855	1, 144, 325	1, 750, 608	. 650	91, 120
Public roads.....	22, 507	18, 137	1, 054, 148	2, 120, 073	. 497	846, 485
Reclamation.....	64, 971	62, 142	3, 472, 699	7, 226, 282	. 481	1, 472, 840
River, harbor, and flood control.....	10, 312	8, 985	823, 070	1, 133, 062	. 726	373, 867
Streets and roads.....	8, 492	7, 650	324, 393	935, 492	. 347	90, 303
Water and sewerage.....	1, 592	1, 252	42, 896	123, 716	. 347	26, 805
Miscellaneous.....	9, 564	8, 895	500, 271	893, 778	. 560	323, 001
P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds ³						
All projects.....	129, 887	106, 960	\$9, 618, 255	12, 027, 623	\$0. 800	\$18, 563, 586
Building construction.....	80, 125	65, 749	6, 297, 922	7, 076, 514	. 890	11, 082, 167
Electrification.....	462	395	37, 223	49, 735	. 748	154, 854
Heavy engineering.....	3, 404	2, 765	302, 218	350, 731	. 862	672, 486
Reclamation.....	2, 734	2, 470	264, 899	379, 159	. 699	1, 105, 830
River, harbor, and flood control.....	373	255	23, 062	30, 547	. 775	28, 569
Streets and roads.....	16, 205	12, 879	750, 806	1, 404, 485	. 513	1, 309, 070
Water and sewerage.....	25, 044	21, 139	1, 816, 831	2, 514, 429	. 723	3, 668, 034
Miscellaneous.....	1, 540	1, 308	124, 694	162, 023	. 770	542, 570
Projects operated by Works Progress Administration						
All projects.....	2, 100, 965	-----	\$115,802,897	227, 991, 069	\$0. 508	(⁴)
Conservation.....	111, 435	-----	5, 607, 856	11, 928, 753	. 470	-----
Highway, road, and street.....	748, 102	-----	35, 946, 216	79, 598, 730	. 452	-----
Housing.....	5, 109	-----	316, 703	509, 527	. 622	-----
Professional, technical, and clerical.....	228, 333	-----	17, 345, 472	25, 913, 359	. 669	-----
Public building.....	176, 975	-----	11, 524, 301	17, 871, 200	. 645	-----
Publicly owned or operated utilities.....	218, 057	-----	12, 077, 894	23, 044, 310	. 524	-----
Recreational facilities ⁵	181, 279	-----	11, 294, 639	19, 006, 564	. 594	-----
Sanitation and health.....	60, 487	-----	2, 813, 715	6, 640, 059	. 424	-----
Sewing, canning, gardening, etc.....	254, 887	-----	12, 209, 544	30, 114, 843	. 405	-----
Transportation.....	38, 910	-----	2, 177, 480	4, 033, 142	. 540	-----
Not elsewhere classified.....	77, 391	-----	4, 489, 077	9, 330, 582	. 481	-----

¹ Unless otherwise noted 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 These data are for projects under construction in Puerto Rico.

⁴ Includes data for 112,352 employees working on non-Federal projects and 17,535 employees working on low-cost housing projects. These data are included in tables covering projects under the jurisdiction of P. W. A.

⁵ Data on a monthly basis are not available.

⁶ Exclusive of buildings.

Statistics on employment, pay rolls, and man-hours worked on National Youth Administration work projects and Student-Aid in April are shown in table 13, by type of project.

Table 13.—Employment and Pay Rolls on National Youth Administration and Student-Aid Projects Financed by The Works Program, April 1937 ¹

[Subject to revision]

Type of program	Number of persons employed	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
Total.....	626,726	\$6,483,727	20,105,518	\$0.322	-----
Work projects.....	191,982	3,181,627	8,662,278	.367	(²)
Student-Aid.....	434,744	3,302,100	11,443,240	.289	(³)

¹ These data are for a calendar month.² Data are not available on a monthly basis.³ No expenditures for materials on this type of project.**Monthly Trend**

EMPLOYMENT, pay rolls, and man-hours worked on projects financed by The Works Program from the beginning of the program in July 1935 to April 1937, inclusive, are given in table 14.

Table 14.—Employment and Pay Rolls July 1935 to April 1937, Inclusive, on Projects Financed by The Works Program ¹

[Subject to revision]

Month and year	Maximum number employed ²	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Federal projects					
July 1935 to April 1937, inclusive.....	-----	\$319,590,892	693,918,554	\$0.461	\$206,429,042
July to December 1935.....	-----	36,951,974	80,745,958	.458	34,763,337
January to December 1936 ³	-----	228,024,201	501,501,344	.455	142,937,728
1937					
January.....	328,867	15,652,964	32,064,351	.488	7,595,246
February.....	267,525	13,024,133	27,260,313	.478	6,874,851
March.....	249,690	12,504,895	25,666,281	.487	7,356,372
April.....	254,524	13,432,725	26,680,307	.503	6,901,508
P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds ⁴					
September 1935 to April 1937, inclusive.....	-----	\$142,972,871	187,187,409	\$0.764	277,869,924
September to December 1935.....	-----	883,741	1,326,721	.666	2,061,700
January to December 1936.....	-----	106,441,300	142,082,051	.749	212,853,501
1937					
January.....	131,153	9,346,663	11,390,883	.821	16,361,268
February.....	115,214	8,428,606	10,212,726	.825	13,543,480
March.....	113,930	8,254,306	10,147,405	.813	14,486,389
April.....	129,887	9,618,255	12,027,623	.800	18,563,586
Projects operated by Works Progress Administration ⁵					
August 1935 to April 1937, inclusive.....	-----	\$2,222,700,694	4,774,525,075	\$0.466	\$685,353,122
August to December 1935 ⁶	-----	174,699,862	414,672,261	.421	-----
January to December 1936 ⁶	-----	1,583,352,239	3,449,241,880	.459	-----
1937					
January.....	2,132,861	118,612,830	231,218,557	.513	-----
February.....	2,125,742	115,544,451	225,300,018	.513	-----
March.....	2,104,938	114,688,415	226,101,290	.507	-----
April.....	2,100,965	115,802,897	227,991,069	.508	-----

¹ Data are for 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 Revised.⁴ These data are included in tables covering projects under the jurisdiction of the Public Works Administration. The data for April include 112,352 employees working on non-Federal projects and 17,535 employees working on low-cost housing projects.⁵ These data exclude both work projects and Student-Aid projects of the National Youth Administration which appear in a separate table.⁶ Data on a monthly basis are not available.

Table 15 shows the employment, pay rolls, and man-hours worked on work projects of the National Youth Administration from January 1936 to April 1937, inclusive. Similar data for Student-Aid projects are shown from September 1935 to April 1937, inclusive.

Table 15.—Employment and Pay Rolls from Beginning of Program Through April 1937, on National Youth Administration and Student-Aid Projects Financed by The Works Program ¹

[Subject to revision]

Month and year	Number of persons employed	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Work projects					
January 1936 to April 1937, inclusive.....	-----	\$41,553,022	109,990,850	\$0.378	\$1,396,495
January to December 1936.....	-----	28,822,196	75,659,914	.381	-----
1937					
January.....	184,686	3,084,561	8,212,091	.376	-----
February.....	189,228	3,239,694	8,731,727	.371	-----
March.....	191,569	3,224,944	8,724,840	.370	-----
April.....	191,982	3,181,627	8,662,278	.367	-----
Student-Aid					
September 1935 to April 1937, inclusive.....	-----	\$44,452,400	147,168,113	\$0.302	(²)
September to December 1935.....	-----	6,363,503	19,612,976	.324	-----
January to December 1936.....	-----	25,640,600	84,656,382	.303	-----
1937					
January.....	389,074	2,804,693	9,549,420	.294	-----
February.....	408,055	3,110,991	10,732,622	.290	-----
March.....	426,666	3,230,513	11,173,473	.289	-----
April.....	434,744	3,302,100	11,443,240	.289	-----

¹ These data are for a calendar month.

² These data are not available on a monthly basis.

³ No expenditures for materials on this type of project.

Emergency Conservation Work

STATISTICS concerning employment and pay rolls in Emergency Conservation Work in March and April 1937 are presented in table 16. Emergency Conservation Work is usually regarded as a part of The Works Program, although it is now financed by a separate appropriation.

Table 16.—Employment and Pay Rolls in Emergency Conservation Work, March and April 1937 ¹

[Subject to revision]

Group	Number of employees		Amount of pay rolls	
	April	March	April	March
All groups.....	369,309	307,337	\$17,502,905	\$15,770,090
Enrolled personnel ²	318,820	257,155	9,926,762	7,981,431
Reserve officers.....	7,507	8,040	1,942,115	2,078,225
Educational advisers ³	1,991	2,134	328,938	362,470
Supervisory and technical ⁴	\$ 40,991	\$ 40,008	\$ 5,305,090	\$ 5,347,964

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

² April data include 3,595 enrollees and pay roll of \$82,289 outside continental United States; March, 3,597 enrollees and pay roll of \$62,789.

³ Included in executive service, tables 8 and 9.

⁴ Includes carpenters, electricians, and laborers.

⁵ 38,626 employees and pay roll of \$5,120,860 also included in executive service, tables 8 and 9.

⁶ 37,695 employees and pay roll of \$5,119,664 also included in executive service, tables 8 and 9.

Employment and pay-roll data for emergency conservation workers are collected by the Bureau of Labor Statistics from the War Department, the Department of Agriculture, the Department of Commerce, the Treasury Department, and the Department of the Interior. The monthly pay of the enrolled personnel is distributed as follows: 5.0 percent are paid \$45; 8.0 percent, \$36; and the remaining 87.0 percent, \$30. The enrolled men, in addition to their pay, are provided with board, clothing, and medical services.

Monthly statistics of employment and pay rolls on the emergency conservation program from April 1936 to April 1937, inclusive, are given in table 17.

Table 17.—Employment and Pay Rolls in Emergency Conservation Work, by Months, April 1936 through April 1937 ¹

[Subject to revision]

Month	Number of employees	Monthly pay-roll disbursements	Month	Number of employees	Monthly pay-roll disbursements
<i>1936</i>			<i>1936—Continued</i>		
April.....	389,032	\$17,724,292	December.....	374,744	\$17,382,448
May.....	405,646	18,257,939	<i>1937</i>		
June.....	381,305	17,633,925			
July.....	402,368	18,064,882	January.....	407,723	18,650,537
August.....	381,425	17,475,592	February.....	394,521	18,314,594
September.....	318,707	16,005,247	March.....	307,337	15,770,090
October.....	402,669	17,292,812	April.....	369,309	17,502,905
November.....	389,122	18,232,391			

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

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 April are presented in table 18, by type of project.

Table 18.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, April 1937 ¹

[Subject to revision]

Type of project	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.....	8, 226	\$1, 041, 280	1, 295, 053	\$0. 804	\$1, 023, 599
Bridges.....	29	2, 595	2, 290	1. 133	-----
Building construction ³	505	34, 141	62, 017	. 551	49, 153
Reclamation.....	29	507	1, 013	. 560	159
Water and sewerage.....	7, 433	977, 528	1, 190, 742	. 821	832, 020
Miscellaneous.....	230	26, 449	38, 991	. 678	142, 267

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 77 employees; pay-roll disbursements of \$4,235; 4,902 man-hours worked; and material orders placed during the month amounting to \$8,426 on projects financed by RFC Mortgage Co.

A monthly summary of employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation from April 1936 to April 1937, inclusive, is given in table 19.

Table 19.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, April 1936 through April 1937 ¹

[Subject to revision]

Month	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
<i>1936</i>					
April.....	10, 021	\$1, 133, 880	1, 479, 182	\$0. 767	\$1, 292, 063
May.....	10, 988	962, 280	1, 244, 097	. 773	1, 441, 248
June.....	8, 501	941, 680	1, 252, 193	. 752	2, 527, 262
July.....	9, 843	1, 063, 728	1, 436, 201	. 741	2, 050, 370
August.....	9, 658	1, 065, 744	1, 441, 791	. 739	1, 314, 692
September.....	10, 290	1, 085, 642	1, 510, 109	. 719	1, 420, 444
October.....	8, 864	1, 002, 648	1, 347, 317	. 744	1, 298, 643
November.....	9, 611	1, 108, 258	1, 502, 460	. 738	3, 008, 077
December.....	9, 189	1, 106, 816	1, 514, 355	. 731	1, 433, 075
<i>1937</i>					
January.....	8, 232	968, 077	1, 300, 989	. 744	2, 329, 944
February.....	7, 290	864, 776	1, 150, 721	. 752	1, 018, 058
March.....	7, 696	929, 032	1, 191, 977	. 779	1, 138, 460
April.....	8, 226	1, 041, 280	1, 295, 053	. 804	1, 023, 599

¹ Includes projects financed by RFC Mortgage Co. Data are for 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.

Construction Projects Financed from Regular Governmental Appropriations

WHENEVER a construction contract is awarded or force-account work is started by a department or agency of the Federal Government, the Bureau of Labor Statistics is immediately notified, on forms supplied by the Bureau, of the name and address of the contractor, the amount of the contract, and the type of work to be performed. Blanks are then mailed by the Bureau to the contractor or Government agency doing the work. These reports are returned to the Bureau and show the number of men on pay rolls, the amounts disbursed for pay, the number of man-hours worked on the project, and the value of the different types of materials for which orders were placed during the month.

The following tables present data concerning construction projects for which contracts have been awarded since July 1, 1934. The Bureau does not have statistics covering projects financed from regular governmental appropriations for which contracts were awarded previous to that date.

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

Table 20.—Employment on Construction Projects Financed from Regular Governmental Appropriations, by Type of Project, April 1937¹

[Subject to revision]

Type of project	Number of wage earners		Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum number employed ²	Weekly average				
All projects.....	3 132, 639	124, 730	\$13, 855, 633	19, 545, 518	\$0. 709	\$15, 572, 168
Building construction.....	15, 831	12, 895	1, 311, 046	1, 575, 689	. 832	2, 457, 371
Electrification.....	410	346	24, 258	43, 718	. 555	516, 649
Forestry.....	12	10	860	1, 366	. 630	190
Naval vessels.....	38, 099	37, 500	5, 392, 186	6, 210, 837	. 865	4, 959, 773
Public roads ³	(5)	34, 918	2, 976, 590	5, 560, 269	. 535	3, 216, 105
Reclamation.....	10, 564	10, 355	1, 320, 465	1, 705, 587	. 774	1, 018, 391
River, harbor, and flood control.....	27, 991	24, 255	2, 532, 782	3, 957, 439	. 640	2, 888, 552
Streets and roads.....	1, 967	1, 809	100, 176	214, 237	. 468	182, 944
Water and sewerage.....	19	16	1, 890	2, 313	. 817	15, 086
Miscellaneous.....	2, 828	2, 626	195, 380	274, 063	. 713	317, 107

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 Estimated by the Bureau of Public Roads.

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

Employment, pay rolls, and man-hours worked on construction projects financed from regular governmental appropriations from April 1936 to April 1937, inclusive, are shown by months in table 21.

Table 21.—Employment on Construction Projects Financed from Regular Governmental Appropriations, April 1936 through April 1937¹

[Subject to revision]

Month	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
<i>1936</i>					
April.....	61,920	\$5,207,801	8,589,355	\$0.606	\$8,812,739
May.....	80,988	6,091,936	10,139,783	.601	9,843,405
June.....	109,056	9,438,391	14,658,624	.644	13,285,515
July.....	146,265	14,286,923	21,624,176	.661	27,631,349
August.....	165,870	15,341,364	23,151,796	.663	19,288,486
September.....	166,902	14,846,961	22,475,820	.661	22,164,997
October.....	175,071	16,931,017	25,505,296	.664	20,357,778
November.....	152,513	13,766,630	20,375,741	.676	16,370,640
December.....	144,274	13,491,223	19,164,694	.704	16,009,255
<i>1937</i>					
January.....	119,853	11,857,007	16,506,278	.718	11,729,532
February.....	112,770	10,904,648	14,735,028	.740	13,613,251
March.....	120,175	11,847,783	16,280,905	.728	12,820,438
April.....	132,639	13,855,633	19,545,518	.709	15,572,168

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.

State-Roads Projects

A RECORD of employment and pay-roll disbursements in the construction and maintenance of State roads from April 1936 to April 1937, inclusive, is presented in table 22.

Table 22.—Employment on Construction and Maintenance of State Roads, April 1936 through April 1937¹

[Subject to revision]

Month	Number of employees working on ¹ —			Total pay roll
	New roads	Maintenance	Total	
1936				
April.....	11,339	143,305	154,644	\$8,918,024
May.....	16,566	164,356	180,922	10,560,866
June.....	20,773	165,363	186,136	11,488,253
July.....	21,744	164,956	186,700	11,839,215
August.....	26,810	158,882	185,692	11,937,585
September.....	34,459	151,772	186,231	11,806,481
October.....	34,136	149,717	183,853	11,566,892
November.....	27,988	153,688	181,676	11,330,509
December.....	21,394	138,540	159,934	10,000,371
1937				
January.....	15,622	117,576	133,198	8,387,864
February.....	11,706	120,786	132,492	8,560,561
March.....	11,802	119,046	130,848	8,333,600
April.....	13,164	124,761	137,925	9,108,030

¹ Excluding employment furnished by projects financed from Public Works Administration funds and Works Progress Administration funds. Data are for the month ending on the 15th.

² Monthly average.

