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BUREAU OF LABOR STATISTICS

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TREND OF EMPLOYMENT

MAY 1934



By Industries:	Page
Manufacturing Industries	1-12
Nonmanufacturing Industries	13-16
Anthracite and Bituminous Coal Mining	
Metalliferous Mining	
Quarrying and Nonmetallic Mining	
Crude-Petroleum Producing	
Public Utilities:	
Telephone and Telegraph	
Power and Light and Manufactured Gas	
Electric Railroads	
Wholesale and Retail Trade	
Hotels	
Laundries	
Dyeing and Cleaning	
Banks, Brokerage, Insurance, and Real Estate	
Building Construction	17-19
Federal Service	28-31
Class I Steam Railroads	31
Public Works Projects	36-43
Public Roads	43-44
Construction Projects Financed by the R.F.C.	44-46
By States	20-27
By Cities	28
Average Hours and Average Hourly Earnings	6-7
Wage Changes	32-35

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TREND OF EMPLOYMENT

May 1934

THE Bureau of Labor Statistics of the United States Department of Labor presents herewith data compiled from pay-roll reports supplied by representative establishments in 90 of the principal manufacturing industries of the country and 15 nonmanufacturing industries, covering the pay period ending nearest the 15th of the month. Additional information is presented concerning employment on Public Works projects, public roads, the Federal service, and class I steam railroads.

Manufacturing Industries

FACTORY employment showed a gain of 0.1 percent from April to May, while pay rolls fell off 0.3 percent. The gain in employment, although small, is particularly significant in that it is the fourth consecutive monthly gain and is contrary to the trend shown in May in 10 of the preceding 15 years for which data are available. An April-May comparison of pay rolls in each of the preceding 15 years shows gains in eight instances and decreases in seven.

The general index of factory employment in May (82.4) is the highest point reached since November 1930 and the pay-roll index (67.1), while slightly lower than the April index, stands above the level of the pay-roll indexes recorded in any other month since June 1931.

A comparison of the May 1934 indexes with those of May 1933 shows gains of 31.6 percent in employment and 57.1 percent in pay rolls. A similar comparison with the March 1933 indexes shows gains in May 1934 of 40.1 percent in employment and 80.9 percent in pay rolls.

The Bureau recently revised its indexes of factory employment and pay rolls. The base now used in computing these index numbers is the average for the 3-year period, 1923-25, taken as 100. This new series of indexes has been adjusted to conform to census trends over the period 1919-31. Prior to March 1934, the indexes of factory employment and pay rolls published by the Bureau of Labor Statistics were based on the 12-month average of 1926 and were not adjusted to conform to biennial census trends. A short

discussion of this revision appeared in the March 1934 Trend of Employment and a more complete bulletin on this subject is being prepared for publication. The May 1934 group and general indexes of factory employment and pay rolls on the 1926 base are shown in this pamphlet under the heading "Index numbers of employment and pay-roll totals in manufacturing industries."

The indexes of factory employment and pay rolls are computed from returns supplied by representative establishments in 90 important manufacturing industries of the country. Reports were received in May from 22,705 establishments employing 3,810,136 workers, whose weekly earnings were \$75,500,000 during the pay period ending nearest May 15. The employment reports received from these cooperating establishments cover more than 50 percent of the total wage earners in all manufacturing industries of the country.

Increases in employment in May were shown in 48 of the 90 industries surveyed, while gains in pay rolls were registered in 52 industries. The most pronounced percentage gain in employment was a seasonal rise of 22.7 percent in the ice-cream industry. The cement industry showed an increase of 20 percent, beet sugar had a seasonal gain of 17.5 percent, locomotives showed a rise of 15.5 percent, car-building employment gained 10.3 percent, brick 8.7 percent, and beverages 8 percent. Increases ranging from 5 percent to 7.2 percent were registered in stoves, sawmills, blast furnaces, steel works, rolling mills, and marble. In 17 of the 37 remaining industries in which increased employment was reported the gains ranged from 2 percent to 4.6 percent. Industries of major importance included in this group were slaughtering, structural and ornamental metal work, steam and hot-water heating apparatus and steam fittings, steam-railroad repair shops, foundry and machine-shop products, electrical machinery, apparatus, and supplies, mill-work, and book and job printing.

The most pronounced decline in employment from April to May was a seasonal falling off of 38.4 percent in the fertilizer industry. The decrease of 23.2 percent in the typewriter industry was caused partially by a strike, while the drop of 19.7 percent in cottonseed—oil, cake, and meal—was seasonal. The rayon industry showed a shrinkage in employment of 16.1 percent, rubber boots and shoes 13.9 percent, men's furnishings 7.9 percent, men's clothing 7.3 percent, and silk 7.1 percent. The decrease in the latter industry was due to a curtailment-of-operations order by the silk code authority for the week, May 14–21. The full effect of this order is not shown by the Bureau's figures, as some firms reported data for pay periods ending in or immediately preceding the week involved. Six industries (cotton small wares, millinery, aircraft, cigars and cigarettes,

canning and preserving, and aluminum) reported losses in employment ranging from 5 percent to 6.5 percent. In the remaining 28 industries in which decreased employment was reported, the decreases of major importance were women's clothing (4.3 percent), cotton goods (1.9 percent), confectionery (4.2 percent), leather boots and shoes (1 percent), leather (1.2 percent), hardware (3.8 percent), and agricultural implements (4.8 percent).

A comparison of employment and pay rolls for individual industries in May 1934 with employment and pay rolls respectively in May 1933 shows more workers in 87 of the 90 manufacturing industries in May of this year than in May of 1933, and larger pay rolls in 89 industries. Five industries (locomotives, agricultural implements, machine tools, automobiles, and cars, electric- and steam-railroad) show gains of more than 100 percent over the year interval, while 15 industries show gains in employment ranging from 50.1 percent to 85.7 percent.

Dividing the manufacturing industries into "durable" and "non-durable" goods groups, the former group shows a gain of 2.3 percent in employment over the month interval, while the latter shows a decrease of 1.6 percent. Each of the subgroups which comprise the "durable" goods group (IRON AND STEEL, MACHINERY, TRANSPORTATION EQUIPMENT, RAILROAD REPAIR SHOPS, NONFERROUS METALS, LUMBER AND ALLIED PRODUCTS, and STONE-CLAY-GLASS) showed gains in employment from April to May. These gains are attributable to some extent to contracts placed for materials through Public Works funds and to increased activity in industries connected with building construction. In the nondurable goods groups of manufacturing industries, only two groups (food and paper and printing) reported increased employment in May.

Per capita weekly earnings for all manufacturing industries combined decreased 0.1 percent from April to May, and increased 19.8 percent from May 1933 to May 1934. Gains from April to May were shown in 51 of the 90 individual manufacturing industries surveyed and ranged from 0.2 percent to 12.7 percent.

The per capita earnings shown in the following table must not be confused with full-time weekly rates of wages. They are per capita weekly earnings, computed by dividing the total amount of pay roll for the week by the total number of employees (part-time as well as full-time workers).

Man-hour data supplied by identical establishments in April and May 1934 showed a decrease for all manufacturing combined of 1.4 percent in average hours worked per week over the month interval and an increase in average hourly earnings of 0.9 percent. Thirty-four of the industries covered showed increases in average hours worked and 64 reported increased hourly earnings. As all reporting

establishments do not furnish man-hour information, the Bureau's figures on average hours worked per week and average hourly earnings are necessarily computed from data furnished by a smaller number of establishments than are covered in the monthly survey of manufacturing industries. Average hours worked per week and average hourly earnings are presented for only those manufacturing industries in which information covering at least 20 percent of the total employees in the industry are available.

In table 1, which follows, are shown indexes of employment and pay rolls in May 1934 for each of the 90 manufacturing industries surveyed, for the 14 major groups and 2 subgroups into which these industries are classified, and for manufacturing as a whole, together with percentages of change from April 1934 and May 1933. Per capita weekly earnings in May 1934, together with percentages of change from the previous month and from May of the previous year for each of the 90 manufacturing industries and for manufacturing as a whole, are also presented in this table. Average hours worked per week in May 1934 and average hourly earnings, together with percentages of change from April 1934 and May 1933, are likewise presented for manufacturing as a whole and for those industries in which man-hour data covering at least 20 percent of the total employees in the industry were received.

TABLE 1.—EMPLOYMENT, WEEKLY PAY ROLLS, PER CAPITA WEEKLY EARNINGS, AVERAGE HOURS WORKED PER WEEK, AND AVERAGE HOURLY EARNINGS IN MANUFACTURING INDUSTRIES IN MAY 1934 AND COMPARISON WITH APRIL 1934 AND MAY 1933

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index May 1934 (3-year average 1923-25 =100)	Percentage change from—		Index May 1934 (3-year average 1923-25 =100)	Percentage change from—		Average in May 1934	Percentage change from—		Average in May 1934	Percentage change from—		Average in May 1934	Percentage change from—	
		April 1934	May 1933		April 1934	May 1933		April 1934	May 1933		April 1934	May 1933		April 1934	May 1933
ALL INDUSTRIES.....	82.4	+0.1	+31.6	67.1	-0.3	+57.1	\$19.81	-0.1	+19.8	35.4	-1.4	-10.1	Cents 55.1	+0.9	+30.2
Iron and steel and their products, not including machinery.....	75.2	+3.8	+47.5	61.3	+7.9	+105.7									
Blast furnaces, steel works, and rolling mills.....	76.8	+5.3	+54.2	66.1	+11.3	+137.8	23.60	+5.7	+54.5	36.6	+3.4	+11.0	64.7	+1.4	+41.0
Bolts, nuts, washers, and rivets.....	87.1	+3.9	+41.6	68.1	+5.3	+102.1	19.89	+1.4	+42.7	36.9	+5	+11.3	54.6	+9	+27.5
Cast-iron pipe.....	51.1	-8	54.8	29.9	+6.8	+84.6	15.57	+7.7	+19.6	31.6	+6.8	+6.1	49.8	+2.0	+17.9
Cutlery (not including silver and plated cutlery), and edge tools.....	81.3	-7	+40.9	59.3	-1	+61.1	19.66	+5	+14.2	37.0	-2.1	-2.2	53.0	+2.9	+15.4
Forgings, iron and steel.....	60.7	+2.5	+75.4	45.7	-2.8	+126.2	21.71	-5.2	+29.2	36.0	-5.8	+13.6	60.9	+1.3	+22.1
Hardware.....	82.0	-3.8	+60.2	61.8	-12.1	+96.8	17.78	-8.6	+22.5	32.5	-10.5	-5.5	54.5	+7	+25.1
Plumbers' supplies.....	54.1	-1.1	-4.8	30.4	+5	-9.5	16.81	+1.7	-4.2	32.7	+1.6	-21.7	50.6	-4	+18.5
Steam and hot-water heating apparatus and steam fittings.....	47.7	+4.1	+4.6	30.6	+8.1	+27.5	20.88	+3.9	+21.6	34.8	+9	-7.7	60.0	+2.7	+24.2
Stoves.....	95.5	+5.0	+68.7	68.5	+7.3	+91.3	19.79	+2.1	+13.5	36.8	+1.9	-4.4	53.7	+1.9	+18.3
Structural and ornamental metal work.....	58.5	+4.5	+44.1	41.5	+10.3	+92.1	19.80	+5.5	+33.6	34.7	+5.2	+4.1	56.9	+1.2	+24.8
Tin cans and other tinware.....	91.2	+3.4	+25.1	86.9	+3.2	+29.7	19.60	-2	+3.4	37.1	+1.1	-16.7	52.4	-9	+16.3
Tools (not including edge tools, machine tools, files, and saws).....	61.8	-2.0	+50.7	54.0	+2.1	+108.5	19.96	+4.2	+38.8	37.6	+1.6	+10.5	52.4	+2.3	+28.8
Wirework.....	134.8	+2.6	+50.3	123.1	+11.3	+84.8	21.21	+8.4	+22.8	38.0	+7.0	+2.3	57.1	+5	+38.2
Machinery, not including transportation equipment.....	81.3	+1.2	+62.3	62.2	+2.8	+103.3									
Agricultural implements.....	83.0	-4.8	+134.5	87.2	-6.8	+211.4	20.05	-2.1	+32.5	36.1	-4.7	+11.8	55.5	+2.6	+21.2
Cash registers, adding machines, and calculating machines.....	103.9	+1.8	+48.6	82.3	+7.3	+68.6	25.82	+5.4	+13.2	39.0	+2.1	-6	67.1	+3.7	+14.5
Electrical machinery, apparatus, and supplies.....	65.4	+2.6	+43.7	49.9	+4.4	+70.9	21.15	+1.7	+18.7	34.2	+3	+2.9	60.2	+1.3	+13.4
Engines, turbines, tractors, and water wheels.....	68.9	-7	+85.7	45.2	+9	+118.4	23.05	+1.7	+17.5	37.7	+5	+5.5	61.1	+1.0	+11.4
Foundry and machine-shop products.....	73.6	+2.9	+62.8	56.8	+4.5	+115.2	21.36	+1.6	+32.8	36.5	-3	+14.2	58.8	+2.1	+20.0
Machine tools.....	71.9	+1.5	+129.7	59.3	+2.9	+218.8	24.05	+1.4	+39.9	39.9	-5	+24.3	60.4	+2.2	+14.6
Radios and phonographs.....	201.2	+5	+69.1	112.4	+3.2	+58.3	17.98	+2.8	-6.2	32.9	-4.4	-25.5	52.9	+2.5	+40.7
Textile machinery and parts.....	75.9	+1.2	+62.2	62.9	+3.2	+100.3	21.31	+1.9	+22.8	36.5	-1.4	+11.0	59.4	+1.5	+17.0
Typewriters and parts.....	78.8	-23.2	+49.5	62.3	-25.9	+108.4	19.88	-3.5	+39.1	36.0	-7.7	+6.6	55.1	+4.8	+27.5
Transportation equipment.....	89.4	+3	+103.7	88.0	-4.6	+127.4									
Aircraft.....	371.3	-6.2	+17.2	314.9	-5.1	+8.4	24.59	+1.2	-7.4	39.9	+3.1	-21.2	62.5	-1.6	+7.5
Automobiles.....	114.4	-4	+112.2	100.4	-6.5	+134.0	24.66	-6.1	+10.3	34.9	-7.9	-15.1	70.6	+1.7	+29.3

Footnote at end of table.

Silk and rayon goods.....	72.8	-7.1	+5.2	56.3	-11.1	+29.7	14.55	-4.3	+22.8	32.6	-3.6	-21.2	44.4	-2	+50.1
Woolen and worsted goods.....	75.3	+5	+9.3	54.1	-2.3	+20.8	16.35	-2.8	+10.3	33.2	-3.5	-25.6	49.1	(?)	+17.7
Wearing apparel.....	94.7	-5.3	+7.4	68.1	-10.5	+39.5									
Clothing, men's.....	81.5	-7.3	+10.6	53.3	-13.1	+51.4	15.51	-6.2	+36.7	29.2	-3.3	-16.1	52.0	-1.7	+62.0
Clothing, women's.....	126.5	-4.3	+3.0	88.6	-10.1	+34.7	17.65	-6.0	+31.2						
Corsets and allied garments.....	94.8	-2.0	+6.3	85.2	-9.1	+19.7	15.49	-7.1	+13.0	35.4	-1.9	-6.5	45.4	-1.9	+26.7
Men's furnishings.....	104.0	-7.9	+9.7	71.9	-10.2	+31.4	13.16	-2.4	+20.2	33.2	-5.9	-8.9	37.8	+3.6	+71.5
Millinery.....	78.0	-6.3	-1.9	67.9	-11.7	+13.9	19.10	-5.7	+16.3						
Shirts and collars.....	106.7	-1.5	+16.4	94.1	-3.9	+60.6	12.83	-2.5	+38.3	34.0	-2.0	-19.3	37.3	+1.4	+61.5
Leather and its manufactures	91.4	-1.0	+14.4	78.9	-3.9	+37.7									
Boots and shoes.....	91.3	-1.0	+11.9	77.6	-5.1	+37.3	17.43	-4.2	+22.3	35.2	-3.3	-25.5	50.4	-4	+68.0
Leather.....	92.1	-1.2	+24.8	82.0	+2	+38.5	20.41	+1.4	+11.4	36.7	+1.4	-14.0	53.7	+6	+34.2
Food and kindred products	99.6	+2.5	+17.0	87.2	+4.9	+39.9									
Baking.....	113.2	+1.8	+16.9	95.3	+4.4	+22.0	22.06	+2.5	+4.5	41.4	-7	-10.1	52.9	+3.1	+17.1
Beverages.....	169.1	+8.0	+24.4	167.0	+10.7	+22.4	29.77	+2.5	-1.6	39.4	+2.1	-24.5	76.1	+1.5	+31.2
Butter.....	84.4	+6.5	+15.3	64.7	+4.5	+14.3	21.09	-2.0	-5						
Canning and preserving.....	67.9	-5.5	+18.7	68.6	-1.2	+41.4	13.12	+4.5	+38.0	32.6	+6.9	-7.5	39.1	-5	+18.3
Confectionery.....	71.6	-4.2	-7	60.6	-1.8	+18.6	15.23	+2.5	+18.0	36.6	+1.9	-8	41.3	+4	+28.5
Flour.....	74.0	-6	+13.5	61.2	+(?)	+16.1	20.76	+6	+2.6	38.0	+8	-22.2	54.0	+1	+30.5
Ice cream.....	79.6	+22.7	+33.3	63.7	+23.8	+37.0	25.32	+1.9	+3.3	45.0	+4.9	-13.9	59.1	-1.0	+13.9
Slaughtering and meat packing.....	96.7	+4.6	+20.3	80.7	+6.1	+30.0	21.18	+1.4	+7.8	39.8	+2.1	-16.9	53.5	-6	+26.1
Sugar beet.....	43.8	+17.5	+10.6	36.2	+7.0	+14.2	22.34	-8.9	+2.3	37.7	-4.6	-23.7	63.6	-7.3	+22.8
Sugar refining, cane.....	86.4	+2.0	+14.0	70.5	+1	+9	21.94	-1.9	-11.7	37.9	-2.8	-23.9	55.8	-5	+16.2
Tobacco manufactures	61.3	-5.3	+3.5	46.3	+2	+10.0									
Chewing and smoking tobacco and snuff.....	76.9	-3.1	+6.1	65.3	-1.5	+4.3	12.98	+1.6	-1.4	33.0	-3.2	-25.0	37.7	+2.4	+26.2
Cigars and cigarettes.....	59.3	-5.6	+3.1	43.9	+7	+10.9	13.28	+6.7	+7.2	35.6	+6.3	-13.5	37.4	+8	+12.3
Paper and printing	85.9	+8	+19.9	59.6	+1.1	+24.2									
Boxes, paper.....	85.3	-(?)	+24.7	76.2	+7	+37.1	18.37	+8	+10.3	36.8	-3	-11.8	49.8	+8	+20.4
Paper and pulp.....	107.2	+4	+30.6	79.8	-1.9	+35.9	18.43	-2.3	+4.0	35.9	-1.9	-14.0	51.2	+2	+21.7
Printing and publishing:.....															
Book and job.....	86.6	+2.2	+15.3	73.4	+3.6	+24.4	26.31	+1.4	+8.1	36.5	+1.1	+3	72.2	+1	+7.7
Newspapers and periodicals.....	99.1	+1	+9.1	88.4	+1.2	+15.3	32.45	+1.1	+5.5	37.7	+8	-4.6	85.3	+7	+11.8
Chemicals and allied products	106.1	-6.4	+23.8	88.3	-4.3	+29.9									
Chemicals.....	111.2	+4	+47.5	94.4	-1.4	+50.3	23.75	-1.7	+2.6	37.3	-5	-9.6	63.6	+5	+12.4
Cottonseed—oil, cake, and meal.....	58.5	-19.7	+13.7	50.6	-19.1	+16.1	9.98	-1.8	+2.5	37.2	-5.3	-29.0	26.5	+5.6	+36.7
Druggists' preparations.....	97.7	-2.8	+19.4	88.5	-4.2	+23.9	20.01	-1.4	+3.8	37.3	-3.4	+1.6	51.3	+3.0	+8.2
Explosives.....	98.3	-9	+50.1	75.2	-4.3	+79.9	21.83	-3.4	+20.2	35.2	-2.5	-2.5	60.5	(?)	+10.6
Fertilizers.....	111.8	-38.4	+31.7	84.0	-36.4	+60.6	12.44	+3.2	+22.0	32.0	-8.8	-22.7	98.5	+12.9	+59.9
Paints and varnishes.....	107.4	+4.6	+28.2	87.9	+5.9	+31.0	22.18	+1.2	+7	39.7	+5	-14.1	54.5	(?)	+20.3
Petroleum refining.....	109.5	+1.6	+14.9	92.7	+7	+15.6	26.77	-9	+7	35.5	-1.1	-10.4	73.3	-3	+19.6
Rayon and allied products.....	267.7	-16.1	+8.4	191.2	-13.6	+28.2	18.84	+3.0	+18.2	37.3	+5	-8.4	50.6	+2.6	+31.7
Soap.....	102.3	-2.1	+22.5	87.1	-1.9	+26.4	20.79	+2	+2.9	37.9	-2.3	-15.0	53.9	+2.7	+17.7
Rubber products	89.1	-1.0	+42.8	76.3	-4.2	+60.9									
Rubber boots and shoes.....	47.8	-13.9	+29.2	42.8	-13.6	+38.5	18.27	+3	+10.4	36.6	+3	+5.3	47.0	+9	+32.3
Rubber goods, other than boots, shoes, tires, and inner tubes.....	135.2	+8	+43.7	105.8	+7	+62.5	18.25	-1	+13.3	33.8	(?)	-12.1	53.1	-4	+27.2
Rubber tires and inner tubes.....	82.7	+7	+45.6	64.5	-4.6	+64.1	24.60	-5.2	+12.3	32.1	-5.0	-16.0	76.8	+3	+32.5

¹ Per capita weekly earnings are computed from figures furnished by all reporting establishments. A average hours and average hourly earnings are computed from data furnished by a smaller number of establishments as some firms do not report man-hour information. Figures for groups not computed.

² No change.

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

Estimated Total Number of Wage Earners and Weekly Pay Rolls in Manufacturing Industries

In the following table are presented the estimated number of wage earners and weekly pay rolls in all manufacturing industries combined and in the 14 groups into which these manufacturing industries have been classified, for the years from 1919 to 1933, inclusive, and for the first 5 months of 1934. These estimates have been computed by multiplying the weighting factor of the several groups of industries (number employed or weekly pay roll in the index base period 1923-25) by the Bureau's index numbers of employment or pay roll (which have been adjusted to conform with census trends over the period 1919-31) and dividing by 100. Data are not available for all groups over the entire period shown. The totals for all manufacturing industries combined, however, have been adjusted to include all groups. The estimated total employment and weekly pay roll for all manufacturing industries combined do not include the manufactured-gas industry (which is included in the Bureau's power and light industry) or the motion-picture industry.

TABLE 2.—ESTIMATED NUMBER OF WAGE EARNERS AND WEEKLY WAGES IN ALL MANUFACTURING INDUSTRIES COMBINED AND IN INDUSTRY GROUPS—YEARLY AVERAGES 1919 TO 1933, INCLUSIVE, AND MONTHS, JANUARY TO MAY 1934

Year and month	Total manufacturing	Iron and steel and their products	Machinery, not including transportation equipment	Transportation equipment	Railroad repair shops	Nonferrous metals and their products
Employment						
1919 average.....	8,983,900	858,600	1,026,800	(1)	(1)	(1)
1920.....	9,065,600	926,300	1,131,700	(1)	(1)	(1)
1921.....	6,899,700	572,400	680,700	(1)	(1)	(1)
1922.....	7,592,700	722,500	717,400	(1)	(1)	(1)
1923.....	8,724,900	892,400	928,600	606,200	523,700	(1)
1924.....	8,083,700	833,700	835,400	524,500	464,900	(1)
1925.....	8,328,200	851,200	870,500	559,600	458,100	(1)
1926.....	8,484,400	880,200	946,700	558,600	460,700	(1)
1927.....	8,288,400	834,900	897,800	495,100	428,900	(1)
1928.....	8,285,800	829,800	922,500	541,900	404,000	(1)
1929.....	8,785,600	881,000	1,105,700	583,200	398,200	(1)
1930.....	7,668,400	766,200	918,700	451,800	353,800	(1)
1931.....	6,484,300	598,400	687,000	373,800	309,000	209,000
1932.....	5,374,200	458,100	494,600	315,700	257,400	164,200
1933.....	5,778,400	503,400	517,100	305,600	250,600	175,200
1934: January.....	6,146,000	545,500	614,700	401,200	254,500	190,200
February.....	6,514,200	572,200	640,100	477,300	257,400	200,400
March.....	6,770,100	601,400	674,400	526,300	267,600	212,200
April.....	6,897,800	623,700	705,100	558,400	278,700	217,300
May.....	6,904,300	646,000	713,900	560,100	287,300	219,900
Weekly pay rolls						
1919 average.....	\$198,145,000	\$23,937,000	\$24,534,000	(1)	(1)	(1)
1920.....	238,300,000	30,531,000	31,982,000	(1)	(1)	(1)
1921.....	155,008,000	14,049,000	16,450,000	(1)	(1)	(1)
1922.....	185,406,000	17,400,000	16,982,000	(1)	(1)	(1)
1923.....	210,065,000	25,442,000	24,618,000	\$18,532,000	\$14,856,000	(1)
1924.....	195,376,000	23,834,000	22,531,000	15,636,000	12,972,000	(1)
1925.....	204,665,000	24,680,000	23,843,000	17,478,000	12,847,000	(1)
1926.....	211,061,000	25,875,000	26,310,000	17,126,000	13,025,000	(1)
1927.....	206,980,000	24,289,000	25,095,000	15,450,000	12,475,000	(1)

¹ Comparable data not available.

TABLE 2.—ESTIMATED NUMBER OF WAGE EARNERS AND WEEKLY WAGES IN ALL MANUFACTURING INDUSTRIES COMBINED AND IN INDUSTRY GROUPS—YEARLY AVERAGES 1919 TO 1933, INCLUSIVE, AND MONTHS, JANUARY TO MAY 1934—Continued

Year and month	Total manu- facturing	Iron and steel and their products	Machinery, not includ- ing trans- portation equipment	Transpor- tation equipment	Railroad repair shops	Nonferrous metals and their prod- ucts
1928.....	\$208,334,000	\$24,740,000	\$28,334,000	\$17,494,000	\$11,817,000	(¹)
1929.....	221,937,000	26,568,000	31,761,000	18,136,000	12,255,000	(¹)
1930.....	180,507,000	21,126,000	24,197,000	12,078,000	10,316,000	(¹)
1931.....	137,256,000	13,562,000	15,135,000	9,008,000	8,366,000	\$4,622,000
1932.....	93,757,000	7,164,000	8,546,000	7,012,000	5,793,000	2,865,000
1933.....	98,623,000	8,925,000	8,975,000	6,799,000	5,662,000	3,039,000
1934: January.....	109,806,000	10,134,000	11,260,000	9,072,000	5,710,000	3,452,000
February.....	123,395,000	11,269,000	12,253,000	12,394,000	6,185,000	3,826,000
March.....	131,852,000	12,650,000	13,199,000	14,546,000	6,577,000	4,163,000
April.....	136,962,000	14,006,000	14,311,000	15,871,000	7,188,000	4,317,000
May.....	136,575,000	15,115,000	14,713,000	15,148,000	7,297,000	4,441,000

Year and month	Lumber and allied products	Stone, clay, and glass products	Textiles and their products			Leather and its manu- factures
			Fabrics	Wearing apparel	Total	
Employment						
1919 average.....	863,800	302,700	1,052,600	507,800	1,609,400	349,600
1920.....	821,200	314,500	1,045,300	519,400	1,612,400	318,600
1921.....	703,000	253,000	994,300	473,900	1,509,400	280,100
1922.....	894,300	299,600	1,054,900	487,800	1,585,500	314,600
1923.....	932,100	351,400	1,164,400	499,300	1,714,300	344,800
1924.....	901,300	346,400	1,041,900	455,800	1,545,500	311,700
1925.....	921,600	352,700	1,109,500	466,500	1,627,400	314,200
1926.....	922,300	363,500	1,095,700	472,800	1,628,000	312,700
1927.....	864,100	349,800	1,119,200	501,400	1,694,400	316,000
1928.....	848,100	334,900	1,062,400	513,100	1,651,300	309,400
1929.....	876,500	328,500	1,095,900	536,700	1,706,900	318,600
1930.....	699,400	280,800	950,400	497,700	1,513,000	295,100
1931.....	516,900	222,800	886,700	472,000	1,421,000	272,800
1932.....	377,800	156,000	794,100	401,800	1,250,300	255,500
1933.....	406,100	157,500	952,600	418,100	1,432,700	269,400
1934: January.....	418,800	165,700	988,400	385,900	1,457,100	268,200
February.....	432,600	174,400	1,065,800	442,800	1,577,300	292,100
March.....	445,400	182,500	1,087,900	471,300	1,629,400	299,900
April.....	453,700	193,700	1,070,200	474,100	1,614,700	298,600
May.....	468,400	202,100	1,049,200	440,000	1,565,900	295,700

Year and month	Lumber and allied products	Stone, clay, and glass products	Textiles and their products			Leather and its manu- factures
			Fabrics	Wearing apparel	Total	
Weekly pay rolls						
1919 average.....	\$16,549,000	\$6,397,000	\$17,494,000	\$10,121,000	\$28,440,000	\$6,978,000
1920.....	20,358,000	8,239,000	21,005,000	12,124,000	34,115,000	7,437,000
1921.....	13,161,000	5,907,000	17,235,000	10,268,000	28,284,000	6,040,000
1922.....	15,234,000	6,442,000	17,747,000	10,438,000	28,962,000	6,711,000
1923.....	18,526,000	8,726,000	21,590,000	10,919,000	33,511,000	7,472,000
1924.....	18,228,000	8,926,000	19,014,000	9,804,000	29,712,000	6,654,000
1925.....	18,824,000	8,985,000	20,497,000	10,284,000	31,795,000	6,831,000
1926.....	18,997,000	9,257,000	20,241,000	10,297,000	31,731,000	6,909,000
1927.....	17,916,000	8,929,000	21,135,000	11,123,000	33,817,000	7,009,000
1928.....	17,454,000	8,541,000	19,510,000	11,114,000	32,199,000	6,696,000
1929.....	18,062,000	8,323,000	20,251,000	11,476,000	33,321,000	6,915,000
1930.....	13,464,000	6,828,000	16,167,000	9,680,000	27,115,000	5,748,000
1931.....	8,461,000	4,786,000	14,308,000	8,338,000	23,799,000	5,035,000
1932.....	4,656,000	2,588,000	10,367,000	5,733,000	16,947,000	4,060,000
1933.....	4,900,000	2,455,000	12,664,000	5,757,000	19,394,000	4,394,000
1934: January.....	5,075,000	2,655,000	13,647,000	5,850,000	20,526,000	4,716,000
February.....	5,650,000	2,956,000	15,948,000	7,473,000	24,676,000	5,708,000
March.....	5,909,000	3,081,000	16,457,000	8,414,000	26,164,000	5,896,000
April.....	6,168,000	3,445,000	16,152,000	7,866,000	25,277,000	5,736,000
May.....	6,409,000	3,507,000	15,256,000	7,039,000	23,472,000	5,512,000

¹ Comparable data not available.

² Revised.

TABLE 2.—ESTIMATED NUMBER OF WAGE EARNERS AND WEEKLY WAGES IN ALL MANUFACTURING INDUSTRIES COMBINED AND IN INDUSTRY GROUPS—YEARLY AVERAGES 1919 TO 1933, INCLUSIVE, AND MONTHS, JANUARY TO MAY 1934—Contd.

Year and month	Foods and kindred products	Tobacco manufactures	Paper and printing	Chemicals and allied products	Rubber products
Employment					
1919 average.....	733,600	157,000	510,100	(1)	(1)
1920.....	713,000	154,000	549,100	(1)	(1)
1921.....	626,400	149,900	467,100	(1)	(1)
1922.....	651,400	146,400	499,400	(1)	(1)
1923.....	681,900	146,300	527,400	342,700	137,800
1924.....	657,800	136,700	529,200	322,200	123,200
1925.....	664,400	132,100	537,100	334,200	141,800
1926.....	664,400	125,700	553,600	355,100	141,200
1927.....	679,400	129,300	553,500	346,700	142,000
1928.....	707,100	125,600	558,300	342,500	149,200
1929.....	753,600	116,100	591,500	384,800	149,100
1930.....	731,100	108,300	574,100	364,700	115,500
1931.....	650,500	99,700	511,800	316,800	99,200
1932.....	577,100	88,600	451,000	279,700	87,800
1933.....	631,000	82,700	458,400	315,400	99,300
1934: January.....	628,700	75,400	490,700	359,200	110,100
February.....	627,800	85,900	494,500	368,300	113,600
March.....	643,100	89,100	497,600	375,600	² 117,000
April.....	649,500	89,500	505,100	377,400	² 120,900
May.....	665,400	84,800	509,300	353,500	119,700
Weekly pay rolls					
1919.....	\$14,879,000	\$2,386,000	\$10,873,000	(1)	(1)
1920.....	16,698,000	2,772,000	14,729,000	(1)	(1)
1921.....	14,333,000	2,325,000	12,259,000	(1)	(1)
1922.....	14,142,000	2,208,000	12,762,000	(1)	(1)
1923.....	15,296,000	2,317,000	14,304,000	\$8,499,000	\$3,500,000
1924.....	15,155,000	2,213,000	14,797,000	8,013,000	3,223,000
1925.....	15,268,000	2,147,000	15,506,000	8,444,000	3,676,000
1926.....	15,503,000	2,049,000	16,478,000	9,055,000	3,707,000
1927.....	15,838,000	2,025,000	16,501,000	8,978,000	3,810,000
1928.....	16,388,000	1,916,000	16,691,000	8,997,000	4,069,000
1929.....	17,344,000	1,819,000	17,771,000	10,068,000	3,986,000
1930.....	16,593,000	1,617,000	17,036,000	9,334,000	2,934,000
1931.....	14,173,000	1,336,000	14,461,000	7,643,000	2,165,000
1932.....	11,308,000	1,052,000	11,126,000	5,861,000	1,555,000
1933.....	11,604,000	944,000	10,299,000	6,179,000	1,740,000
1934: January.....	12,301,000	886,000	11,045,000	7,035,000	2,036,000
February.....	12,352,000	1,012,000	11,297,000	7,257,000	2,261,000
March.....	12,522,000	1,019,000	11,550,000	7,417,000	² 2,445,000
April.....	12,663,000	1,028,000	11,847,000	7,683,000	² 2,546,000
May.....	13,298,000	1,030,000	11,981,000	7,352,000	2,438,000

¹ Comparable data not available.

² Revised.

Index Numbers of Employment and Pay-Roll Totals in Manufacturing Industries

GENERAL index numbers of factory employment and pay rolls by months, from January 1919 to May 1934, inclusive, together with average indexes for each of the years from 1919 to 1933, inclusive, and for the 5-month period, January to May 1934, inclusive, based on the 3-year average, 1923-25, as 100, are shown in the following table. A chart of these indexes also follows:

EMPLOYMENT & PAYROLLS in the MANUFACTURING INDUSTRIES

3 year average 1923-1925=100

U.S. Department of Labor
BUREAU OF LABOR STATISTICS
Washington



Jack Brandt, Jr.

TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND PAY-ROLL TOTALS IN MANUFACTURING INDUSTRIES BY MONTHS—JANUARY 1919 TO MAY 1934, INCLUSIVE
[3-year average, 1923-25=100]

Month	Employment															
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
January	105.3	114.9	81.0	82.5	100.7	100.2	96.3	100.5	98.2	95.0	100.8	97.3	79.6	68.7	60.2	73.3
February	102.0	113.7	82.6	84.6	102.5	101.5	98.1	101.5	99.7	96.5	102.9	97.4	80.3	69.5	61.1	77.7
March	102.4	116.0	83.2	85.9	104.6	101.7	98.8	102.1	100.2	97.6	104.1	96.9	80.7	68.4	58.8	80.8
April	102.5	114.5	82.1	85.8	105.0	99.9	98.7	101.4	99.6	97.1	105.3	96.3	80.7	66.1	59.9	82.3
May	103.1	112.0	81.9	87.9	105.3	96.8	98.1	100.4	99.1	97.0	105.3	94.8	80.1	63.4	62.6	82.4
June	104.3	111.1	81.0	89.8	106.0	93.8	98.0	100.3	99.1	97.8	105.6	92.9	78.4	61.2	66.9	-----
July	106.9	108.5	79.8	88.2	104.9	91.0	97.8	99.4	98.1	97.7	106.1	89.5	77.0	58.9	71.5	-----
August	109.7	108.8	81.2	91.4	105.2	92.1	99.5	101.4	99.3	100.1	107.9	88.8	77.1	60.1	76.4	-----
September	111.7	107.5	83.4	94.5	105.7	94.4	101.5	103.4	100.5	102.2	109.0	89.6	77.4	63.3	80.0	-----
October	111.3	103.7	84.1	97.0	104.5	95.3	102.2	103.1	99.6	102.6	107.7	87.7	74.4	64.4	79.6	-----
November	112.6	97.4	84.2	99.0	103.2	94.8	101.8	101.4	97.4	101.7	103.6	84.6	71.8	63.4	76.2	-----
December	114.4	89.7	83.3	100.5	101.4	96.1	101.5	100.0	96.1	101.2	99.8	82.3	71.0	62.1	74.4	-----
Average	107.2	108.2	82.3	90.6	104.1	96.5	99.4	101.2	98.9	98.9	104.8	91.5	77.4	64.1	69.0	79.3
Month	Pay rolls															
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
January	95.3	117.2	82.8	69.6	94.6	98.8	95.4	100.9	98.4	96.0	102.3	95.9	70.0	53.5	39.5	54.0
February	89.6	115.5	81.3	72.4	97.9	104.1	100.8	105.0	104.4	101.2	109.3	98.8	74.3	54.6	40.2	60.6
March	90.0	123.7	81.7	74.9	102.5	101.8	102.4	106.5	105.7	102.5	111.6	98.8	75.9	53.1	37.1	64.8
April	89.2	120.9	79.0	73.8	103.8	101.8	100.0	104.4	104.5	100.5	112.6	97.7	74.4	49.5	38.8	67.3
May	90.2	122.4	77.3	77.2	107.3	97.5	100.7	103.1	104.0	101.3	112.9	95.4	73.4	46.8	42.7	67.1
June	92.0	124.2	75.4	80.5	107.3	92.4	98.7	103.3	102.4	101.7	111.2	92.3	69.7	43.4	47.2	-----
July	94.8	119.3	71.7	78.5	103.3	85.7	96.8	99.0	98.5	99.0	107.2	84.3	66.2	39.8	50.8	-----
August	99.9	121.6	73.9	83.0	103.8	89.3	99.3	103.4	101.9	103.3	112.0	83.3	65.9	40.6	56.8	-----
September	104.7	119.8	73.4	87.0	104.3	92.5	98.8	104.4	101.4	104.7	112.9	84.1	63.4	42.9	59.1	-----
October	102.2	115.8	72.6	89.5	106.6	95.1	104.6	107.6	102.1	108.2	112.4	82.2	61.3	44.7	59.4	-----
November	106.7	107.0	71.7	93.4	104.5	93.7	104.6	104.1	98.5	105.0	104.1	76.8	58.1	42.9	55.5	-----
December	114.0	98.0	73.3	95.7	102.9	97.6	105.2	103.5	99.5	105.6	100.7	75.2	57.6	41.5	54.5	-----
Average	97.4	117.1	76.2	81.3	103.3	96.1	100.6	103.8	101.8	102.4	109.1	88.7	67.5	46.1	48.5	62.8

¹ Average for 5 months.

For comparative purposes the Bureau has computed the group and general index numbers of employment and pay rolls for May 1934 based on the 12-month average for 1926 as 100. These are a continuation of the former series of indexes covering 89 industries and show some slight differences in percentage changes from the previous month when compared with those shown by the revised series. These differences are due to changes in method of construction and weighting factors and to the inclusion of the canning and preserving industry in the revised series of indexes. These indexes on the 1926 base are presented in table 4, which follows:

TABLE 4.—INDEXES OF EMPLOYMENT AND PAY ROLLS (BASED ON THE 12-MONTH AVERAGE FOR 1926=100) IN 14 MAJOR MANUFACTURING GROUPS, 2 SUBGROUPS, AND ALL MANUFACTURING COMBINED, FOR MAY 1934

Group	Employment index	Pay-roll index
All manufacturing	78.0	61.8
Iron and steel and their products, not including machinery	78.9	61.0
Machinery, not including transportation equipment	71.9	54.3
Transportation equipment	95.2	83.9
Railroad repair shops	55.4	49.2
Nonferrous metals and their products	74.9	58.1
Lumber and allied products	48.7	31.3
Stone, clay, and glass products	57.6	38.4
Textiles and their products	86.2	64.6
Fabrics	91.6	71.3
Wearing apparel	73.3	51.3
Leather and its manufactures	86.4	67.6
Food and kindred products	97.0	82.6
Tobacco manufactures	68.7	53.3
Paper and printing	91.8	74.7
Chemicals and allied products	98.3	80.9
Rubber products	90.3	71.4

Employment in Nonmanufacturing Industries in May 1934

TWELVE of the fourteen nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics reported gains in employment from April to May and 11 industries reported larger pay rolls in May than in April. Data for the building-construction industry, which also showed pronounced gains in employment and pay rolls, are not presented here, but are shown in more detail under the section "Building Construction."

The most pronounced gain in employment (11.4 percent) was in quarrying and nonmetallic mining, this being a continuation of the gains shown in March and April. The corresponding gain in pay rolls was 17.3 percent. Coal mining made a partial recovery from the decreases shown last month, anthracite gaining 9.5 percent in employment and bituminous coal, 6.3 percent. The corresponding gains in pay rolls were 23.9 percent and 5.9 percent, respectively. Dyeing and cleaning showed a rise in employment of 5.5 percent, continuing the larger gains that were registered in March and April. Pay rolls in this industry rose 7.1 percent. Crude-petroleum producing rose 3.7 percent in employment and 5.5 percent in pay rolls; laundries showed a gain of 2 percent in employment and 4 percent in pay rolls, while the gains in employment in the remaining 6 industries showing increases ranged from less than 0.1 percent to 0.9 percent.

Two industries, metalliferous mining and hotels, had decreases in both employment and pay rolls from April to May. These decreases were caused by strikes in the former industry and seasonal shut-downs of winter hotels in the latter.

In table 1, which follows, are shown indexes of employment and pay rolls, per capita weekly earnings, average hours worked per week, and average hourly earnings in May 1934 for 13 of the 14 nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics, together with percentages of change from April 1934 and May 1933. Similar percentages of change in employment, pay rolls, and per capita weekly earnings, as well as average per capita weekly earnings, are likewise presented for the banks-brokerage-insurance-real-estate group. Indexes of employment and pay rolls for the latter group have been temporarily discontinued.

TABLE 1.—EMPLOYMENT, WEEKLY PAY ROLLS, PER CAPITA WEEKLY EARNINGS, AVERAGE HOURS WORKED PER WEEK, AND AVERAGE HOURLY EARNINGS, IN NONMANUFACTURING INDUSTRIES IN MAY 1934 AND COMPARISON WITH APRIL 1934 AND MAY 1933

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹			
	Index May 1934 (average 1929=100)	Percentage change from—		Index May 1934 (average 1929=100)	Percentage change from—		Average in May 1934	Percentage change from—		Average in May 1934	Percentage change from—		Average in May 1934	Percentage change from—		
		April 1934	May 1933		April 1934	May 1933		April 1934	May 1933		April 1934	May 1933		April 1934	May 1933	
Coal mining:																
Anthracite.....	63.8	+9.5	+47.7	64.0	+23.9	+113.3	\$29.27	+13.2	+44.5	34.4	+3.3	+37.0	<i>Cents</i> 83.6	+3.1	+3.3	
Bituminous.....	76.7	+6.3	+25.3	54.4	+5.9	+102.2	18.27	-.3	+61.1	26.5	-2.9	+6.0	70.6	+3.1	+49.8	
Metalliferous mining.....	40.8	-2.1	+36.0	25.6	-5.8	+50.6	20.33	-3.7	+10.6	36.1	-5.0	-5.6	55.5	+7	+18.0	
Quarrying and nonmetallic mining.....	54.3	+11.4	+25.1	35.0	+17.3	+47.1	17.04	+5.3	+17.7	36.0	+4.0	-8.0	47.5	+8	+30.1	
Crude-petroleum producing.....	76.7	+3.7	+34.8	66.4	+5.5	+35.6	27.70	+1.8	+5	35.4	-.8	-22.0	77.2	+4	+20.2	
Public utilities:																
Telephone and telegraph.....	70.2	(?)	+1	71.4	+3.9	+4.2	27.01	+3.9	+4.1	38.1	+1.3	+1.9	71.9	+2.7	+2.4	
Electric light and power and manufactured gas.....	83.1	+9	+8.1	77.6	+1.0	+11.0	29.39	+1	+2.8	39.2	-.5	-7.6	74.7	+5	+12.2	
Electric-railroad and motor-bus operation and maintenance.....	72.6	+5	+5.1	63.0	+2	+8.2	27.73	-.3	+3.1	45.9	-1.7	-1.1	59.9	+1.5	+9.5	
Trade:																
Wholesale.....	84.6	+8	+14.3	66.3	-.6	+15.5	26.50	-1.3	+1.0	42.2	-.7	-11.2	61.8	-1.3	+15.3	
Retail.....	88.8	+7	+15.3	71.8	+5	+20.7	19.74	-2	+4.7	39.6	-.5	-12.2	50.8	+4	+16.5	
Hotels (cash payments only) ³	85.7	-1.1	+19.2	65.9	-.9	+27.2	13.21	+2	+6.8	47.4	+1.7	-7.2	27.1	-.7	+17.7	
Laundries.....	⁴ 82.1	+2.0	+7.2	⁴ 66.9	+4.0	+17.2	15.37	+1.9	+9.4	39.8	+1.0	-5.2	38.1	(?)	+14.2	
Dyeing and cleaning.....	⁴ 84.3	+5.5	+11.4	⁴ 65.1	+7.1	+27.6	18.70	+1.5	+14.5	⁶ 41.5	⁶ +.5	⁶ -13.3	⁶ 45.0	⁶ +1.4	⁶ +30.3	
Banks, brokerage, insurance, and real estate.....	(?)	⁸ +.4	⁸ +4.1	(?)	⁸ +1.0	⁸ +7.0	32.96	⁸ +.6	⁸ +2.8	(?)	(?)	(?)	(?)	(?)	(?)	

¹ Per capita weekly earnings are computed from figures furnished by all reporting establishments. Average hours and average hourly earnings are computed from data furnished by a smaller number of establishments as some firms do not report man-hour information.

² Less than 1/10 of 1 percent.

³ The additional value of board, room, and tips cannot be computed.

⁴ Revised to conform with average shown by 1931 Census of Manufactures.

⁵ No change.

⁶ April data revised—Average hours in April 1934 are 41.3; percentages of change from March 1934 and April 1933 are +4.6 and -14.7, respectively. Average hourly earnings April 1934 are 43.9 cents; percentages of change from March 1934 and April 1933 are +1.2 and +25.9, respectively.

⁷ Not available.

⁸ Weighted.

Indexes of Employment and Pay-Roll Totals for Nonmanufacturing Industries

INDEX numbers of employment and pay-roll totals for 13 nonmanufacturing industries are presented in table 2. These index numbers show the variation in employment and pay rolls in these industries, by months, from January 1931 through May 1934.

A revision of the indexes, similar to that made for the manufacturing industries, was made for the laundry and the dyeing and cleaning industries in March 1934. The indexes of employment and pay rolls in these industries were adjusted to conform with the trends shown by the 1929 and 1931 census reports and this new series will be continued until further adjustments, if necessary, are made when 1933 census data become available.

TABLE 2.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR **NONMANUFACTURING** INDUSTRIES, JANUARY 1931 TO MAY 1934

Month	Anthracite mining								Bituminous-coal mining							
	Employment				Pay rolls				Employment				Pay rolls			
	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934
January.....	90.6	76.2	52.5	64.1	89.3	61.5	43.2	73.2	93.9	80.8	69.8	75.8	73.3	47.0	36.1	51.3
February.....	89.5	71.2	58.7	67.2	101.9	57.3	56.8	65.8	91.5	77.4	69.3	76.1	68.3	47.0	37.2	54.6
March.....	82.0	73.7	54.6	67.5	71.3	61.2	48.8	82.4	88.8	75.2	67.6	77.8	65.2	46.8	30.7	58.9
April.....	85.2	70.1	51.6	58.2	75.2	72.0	37.4	51.7	85.9	65.5	63.7	72.2	58.6	33.9	26.6	51.4
May.....	80.3	66.9	43.2	63.8	76.1	58.0	30.0	64.0	82.4	62.6	61.2	76.7	54.4	30.7	26.6	54.4
June.....	76.1	53.0	39.5	-----	66.7	37.4	34.3	-----	78.4	60.5	61.3	-----	52.4	27.3	29.2	-----
July.....	65.1	44.5	43.8	-----	53.7	34.5	38.2	-----	76.4	58.6	63.2	-----	50.4	24.4	33.6	-----
August.....	67.3	49.2	47.7	-----	56.4	41.4	46.6	-----	77.0	59.4	68.6	-----	50.6	26.4	43.3	-----
September.....	80.0	55.8	56.8	-----	64.9	47.0	60.7	-----	80.4	62.4	71.8	-----	53.6	30.2	44.1	-----
October.....	86.8	63.9	56.9	-----	91.1	66.7	61.6	-----	81.3	67.0	68.0	-----	56.2	37.8	44.1	-----
November.....	83.5	62.7	61.0	-----	79.5	51.0	47.8	-----	81.1	69.4	74.8	-----	54.6	28.0	50.7	-----
December.....	79.8	62.3	54.5	-----	78.4	56.2	44.3	-----	81.2	70.0	75.4	-----	52.3	37.7	50.8	-----
Average.....	80.5	62.5	51.7	63.3	75.4	53.7	45.8	67.4	83.2	67.4	67.9	75.7	57.5	35.6	37.8	54.1
	Metalliferous mining								Quarrying and nonmetallic mining							
January.....	68.3	49.3	32.4	39.6	55.0	29.7	18.1	25.4	64.4	48.9	35.1	39.7	50.4	30.2	18.1	21.3
February.....	65.3	46.9	31.5	40.3	54.6	27.8	17.8	26.0	66.6	47.4	34.8	38.8	54.4	29.6	17.4	21.0
March.....	63.5	45.0	30.0	39.8	52.8	26.5	17.4	25.9	70.0	46.0	35.1	42.0	58.2	28.7	17.8	24.1
April.....	63.9	43.3	29.4	41.7	51.4	25.0	16.4	27.2	76.1	48.6	39.3	48.7	62.6	30.0	20.2	29.9
May.....	62.4	38.3	30.0	40.8	49.3	23.8	17.0	25.6	75.0	50.6	43.4	54.3	62.3	32.3	23.8	35.0
June.....	60.0	32.2	31.5	-----	46.1	20.1	18.3	-----	72.3	49.5	47.3	-----	60.1	30.0	27.5	-----
July.....	56.2	29.5	33.0	-----	41.3	16.9	19.0	-----	71.0	49.5	49.5	-----	57.3	29.1	28.4	-----
August.....	55.8	28.6	36.8	-----	40.2	16.5	21.9	-----	68.9	51.1	51.6	-----	55.1	29.7	29.9	-----
September.....	55.5	29.3	38.9	-----	40.0	17.0	23.9	-----	66.6	52.4	52.6	-----	51.2	30.5	29.3	-----
October.....	53.8	30.5	40.7	-----	37.4	18.0	25.9	-----	64.5	52.4	53.2	-----	48.7	30.1	31.2	-----
November.....	52.8	31.9	40.6	-----	35.1	18.7	25.6	-----	59.3	49.4	51.1	-----	43.3	27.1	28.3	-----
December.....	51.2	33.3	40.6	-----	34.3	18.7	26.2	-----	53.9	42.3	45.3	-----	36.9	22.1	24.4	-----
Average.....	59.1	36.5	34.6	40.4	44.8	21.6	20.6	26.0	67.4	49.0	44.9	44.7	53.4	29.1	24.7	26.3
	Crude-petroleum producing								Telephone and telegraph							
January.....	74.8	54.9	57.2	73.2	71.5	46.5	39.9	53.0	90.5	83.0	74.6	70.2	96.3	89.1	71.7	69.0
February.....	73.2	54.4	57.0	72.4	70.0	46.9	41.7	50.5	89.2	82.0	73.9	69.8	94.8	89.6	71.9	67.9
March.....	72.2	51.4	56.5	72.8	73.2	43.2	42.5	52.5	88.6	81.7	73.2	70.0	97.9	88.2	71.6	70.4
April.....	69.8	54.9	56.8	74.0	68.3	44.5	40.1	53.4	87.4	81.2	72.3	70.2	95.0	83.4	67.8	68.8
May.....	67.8	54.5	56.9	76.7	64.7	47.1	41.6	56.4	87.4	80.6	70.1	70.2	94.1	82.8	68.5	71.4
June.....	65.0	54.2	58.0	-----	62.7	44.8	40.6	-----	86.9	79.9	69.2	-----	95.0	82.1	66.6	-----
July.....	65.3	55.4	60.8	-----	59.2	44.6	42.2	-----	86.6	79.1	68.5	-----	93.3	79.6	66.7	-----
August.....	62.4	57.4	66.7	-----	56.3	42.9	42.5	-----	85.9	78.1	68.1	-----	92.3	79.1	66.1	-----
September.....	61.2	56.2	66.7	-----	55.2	41.9	44.4	-----	85.0	77.4	68.3	-----	92.1	75.9	64.6	-----
October.....	60.4	56.8	70.6	-----	54.4	42.5	50.1	-----	84.1	76.2	68.7	-----	91.6	75.7	67.0	-----
November.....	57.6	56.5	72.2	-----	52.0	42.4	50.3	-----	83.5	75.5	68.9	-----	89.7	74.3	67.7	-----
December.....	58.2	57.2	75.0	-----	54.9	41.7	53.2	-----	83.1	74.8	69.4	-----	92.7	73.5	67.7	-----
Average.....	65.7	55.3	62.2	73.8	61.7	44.1	41.1	53.2	86.6	79.1	70.4	70.1	93.7	81.1	68.2	69.5

¹ Average for 5 months.

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TABLE 2.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR **NONMANUFACTURING** INDUSTRIES, JANUARY 1931 TO MAY 1934—Continued

[12-month average, 1929=100]

Month	Power and light								Electric-railroad and motor-bus operation and maintenance ¹							
	Employment				Pay rolls				Employment				Pay rolls			
	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934
January	99.2	89.3	77.7	82.2	98.6	88.4	73.0	73.8	86.9	79.5	70.6	70.5	85.6	75.4	60.9	59.2
February	97.8	87.2	77.4	81.2	99.7	86.0	71.6	74.4	86.6	78.9	70.4	71.0	87.1	74.8	60.6	60.1
March	96.7	85.5	76.9	81.7	102.4	85.4	71.9	75.6	86.4	77.6	69.8	71.7	88.1	73.6	59.4	62.2
April	97.1	84.8	76.9	82.4	97.6	82.4	69.4	76.8	86.8	78.0	69.5	72.2	86.6	71.8	58.1	62.9
May	97.6	84.0	76.9	83.1	98.7	84.2	69.9	77.6	85.9	76.9	69.1	72.6	85.1	72.2	58.2	63.0
June	97.2	83.2	77.3	82.7	98.3	80.5	69.9	77.6	85.3	76.5	69.3	72.6	84.8	70.2	58.0	63.0
July	96.7	82.3	77.5	82.7	97.4	78.7	70.0	77.6	85.6	76.5	69.4	72.6	83.3	66.4	57.4	63.0
August	95.9	81.5	78.1	82.7	96.2	76.7	70.9	77.6	84.8	74.1	69.5	72.6	81.9	63.8	58.2	63.0
September	94.7	81.0	80.3	82.7	94.3	74.7	71.8	77.6	84.0	73.5	69.7	72.6	81.2	62.5	57.8	63.0
October	92.7	79.9	82.2	82.7	93.2	74.4	76.2	77.6	82.7	72.3	70.6	72.6	79.0	61.5	59.8	63.0
November	91.3	79.1	82.6	82.7	93.3	73.2	74.5	77.6	81.5	71.8	71.0	72.6	79.7	61.7	59.4	63.0
December	90.3	78.4	81.8	82.7	91.2	73.2	74.4	77.6	79.9	71.4	70.8	72.6	77.8	61.9	59.6	63.0
Average	95.6	83.0	78.8	82.1	96.7	79.8	72.0	75.6	84.7	75.5	70.0	71.6	83.4	68.0	58.9	61.5
	Wholesale trade								Retail trade							
January	89.5	81.8	75.3	82.4	87.5	74.1	61.7	63.9	90.0	84.3	76.9	84.6	89.4	78.0	62.7	68.8
February	88.2	80.9	74.1	83.0	88.4	72.5	58.6	64.6	87.1	80.5	73.4	83.8	86.7	73.7	58.4	67.7
March	87.4	79.8	73.1	83.6	89.1	71.3	57.1	65.7	87.8	81.4	71.4	87.2	87.5	73.4	55.1	69.5
April	87.4	78.9	73.3	83.9	85.2	68.9	56.0	66.8	90.1	81.6	78.6	88.2	88.3	72.7	60.4	71.5
May	87.1	77.9	74.0	84.6	84.7	69.7	57.4	66.3	89.9	80.9	77.0	88.8	88.0	71.1	59.5	71.8
June	87.1	77.0	75.7	84.1	84.1	66.2	57.3	66.3	89.1	79.4	78.3	88.8	87.6	68.2	60.5	63.0
July	86.8	76.6	76.9	83.3	83.3	64.7	59.1	66.3	89.3	74.6	74.6	88.8	83.3	63.3	58.1	63.0
August	86.5	76.4	79.7	82.1	82.1	63.2	60.8	66.3	81.8	72.6	78.1	88.8	80.3	60.7	62.7	63.0
September	86.1	77.1	82.1	81.4	81.4	63.1	62.3	66.3	86.6	77.8	86.0	88.8	83.5	64.6	69.2	63.0
October	85.2	77.8	83.5	81.4	79.9	63.9	66.0	66.0	89.8	81.3	89.6	88.8	84.6	67.1	72.3	63.0
November	84.1	77.6	83.4	81.4	79.7	63.3	64.1	66.0	90.9	81.7	91.6	88.8	85.4	66.9	72.6	63.0
December	83.7	77.0	83.3	81.4	77.8	62.6	64.5	66.0	106.2	95.2	105.4	88.8	94.1	73.6	80.3	63.0
Average	86.6	78.2	77.9	83.5	83.6	67.0	60.4	65.5	89.4	80.9	81.7	86.5	86.6	69.4	64.3	69.9
	Laundries ³								Dyeing and cleaning ³							
January	94.3	88.2	78.6	78.5	90.7	80.0	60.7	61.7	82.1	75.8	67.4	68.1	73.7	62.4	44.2	46.8
February	93.7	86.3	77.5	78.4	89.6	76.7	58.1	61.7	80.7	74.4	65.6	68.1	71.2	59.0	40.2	46.3
March	93.2	85.4	76.1	79.2	89.6	75.0	55.4	62.7	81.3	74.4	65.8	72.4	71.7	58.5	38.9	51.7
April	94.3	85.4	76.5	80.5	90.9	74.7	56.6	64.4	88.4	76.9	74.9	79.9	81.9	62.5	51.7	60.8
May	94.1	84.8	76.6	82.1	90.5	73.9	57.1	66.9	89.3	78.0	75.7	84.3	82.1	63.8	51.0	65.1
June	94.8	84.4	79.2	82.1	91.2	71.8	59.4	66.9	91.4	78.6	79.1	88.8	84.5	62.4	53.7	63.0
July	95.6	83.6	79.5	82.1	91.5	69.4	58.7	66.9	91.1	76.1	76.6	88.8	81.8	56.9	50.0	63.0
August	94.0	82.2	81.1	82.1	88.6	66.9	60.3	66.9	86.4	73.4	76.8	88.8	75.9	53.4	50.0	63.0
September	93.0	81.9	82.6	82.1	88.0	65.8	63.5	66.9	88.0	76.9	81.9	88.8	78.3	57.9	57.1	63.0
October	91.8	80.7	81.3	82.1	85.6	64.1	62.5	66.9	87.0	76.0	81.6	88.8	77.2	55.8	57.4	63.0
November	89.8	79.4	78.4	82.1	82.6	61.9	60.7	66.9	83.2	72.0	76.1	88.8	70.8	49.6	52.5	63.0
December	88.8	79.1	78.4	82.1	81.0	61.4	61.1	66.9	78.4	69.5	70.5	88.8	64.4	45.9	47.3	63.0
Average	91.7	83.5	78.8	79.7	88.3	70.1	59.5	63.5	85.6	75.2	74.3	74.6	76.1	57.3	49.5	54.1
	Hotels															
January	95.0	83.2	73.8	81.5	91.0	73.9	55.7	60.8								
February	96.8	84.3	73.8	84.8	93.7	73.9	55.9	65.2								
March	96.8	84.0	72.4	86.4	93.4	72.4	53.5	66.6								
April	95.9	82.7	71.9	86.6	89.9	69.6	51.7	66.5								
May	92.5	80.1	71.9	85.7	87.7	67.0	51.8	65.9								
June	91.6	78.0	73.6	85.4	83.8	63.8	52.3	65.9								
July	93.3	78.4	75.6	85.2	85.2	61.8	53.3	65.9								
August	92.8	77.6	77.1	83.8	83.8	59.6	54.0	65.9								
September	90.6	77.0	78.7	81.9	81.9	59.1	55.6	65.9								
October	87.4	75.4	77.0	79.7	79.7	58.6	56.2	65.9								
November	84.9	74.3	75.8	77.1	77.1	57.5	55.2	65.9								
December	83.1	73.2	77.6	75.4	75.4	56.6	57.6	65.9								
Average	91.7	79.0	74.9	85.0	85.4	64.5	54.4	65.0								

¹ Average for 5 months.² Not including electric-railroad car building and repairing; see transportation equipment and railroad repair-shop groups, manufacturing industries, table 1.³ Revised to conform with average shown by 1931 Census of Manufactures.

Employment in Building Construction in May 1934

THE percentages of change in employment, pay rolls, and man-hours in building construction in May, as compared with April, were as follows:

	<i>Percent</i>
Total employment.....	+ 10. 1
Total pay rolls.....	+ 12. 2
Total man-hours worked.....	+ 11. 2
Average weekly earnings.....	+ 1. 9
Average hours per week per man.....	+ 2. 1
Average hourly earnings.....	- . 6

The following table is based on returns made by 11,258 firms engaged in public and private building-construction projects not aided by Public Works funds. These reports include all trades, from excavation through painting and interior decoration, which are engaged in erecting, altering, or repairing buildings. Work on roads, bridges, docks, etc., is omitted. The reports cover building operations in various localities in 34 States and the District of Columbia.

For purposes of comparison in this study, all reports were reduced to a 1-week basis if not originally so reported.

In May the weekly pay roll for 80,000 workers amounted to \$1,843,570, as compared with \$1,643,307 earned by 72,649 workers employed by the identical firms in April.

In May the average weekly earnings were \$23.04 as compared with \$22.62 for April. These are per capita weekly earnings, computed by dividing the total amount of the weekly pay roll by the total number of employees—part-time as well as full-time.

Reports from 10,647 firms—94.6 percent of the 11,258 cooperating firms—gave the man-hours worked by the employees, namely, 2,087,863 in May as compared with 1,878,006 in April.

The average hours per week per man—29.6 in May and 29 in April—were computed by dividing the number of man-hours by the number of workers employed by those firms which reported man-hours.

The average hourly earnings—77.5 cents in May and 78 cents in April—were computed by dividing the pay roll of those firms which reported man-hours by the number of man-hours.

EMPLOYMENT, PAY ROLLS, AVERAGE WEEKLY EARNINGS, AVERAGE HOURS PER WEEK PER MAN, AND AVERAGE HOURLY EARNINGS IN THE **BUILDING-CONSTRUCTION** INDUSTRY IN MAY 1934, AND PERCENTAGES OF CHANGE FROM APRIL 1934

Locality	Number of firms reporting	Employment		Pay rolls		Average weekly earnings		Average hours per week per man ¹		Average hourly earnings ¹	
		Number on pay roll May 1934	Percent of change from April 1934	May 1934	Percent of change from April 1934	May 1934	Percent of change from April 1934	Number May 1934	Percent of change from April 1934	May 1934	Percent of change from April 1934
All localities.....	11,258	80,000	+10.1	\$1,843,570	+12.2	\$23.04	+1.9	29.6	+2.1	<i>Cl.</i> 77.5	-0.6
Alabama: Birmingham.....	91	455	-18.6	7,316	-21.0	16.08	-3.0	27.4	(2)	58.6	-3.1
California:											
Los Angeles ³	23	1,024	-13.6	22,096	-9.5	21.58	+4.7	(4)	(4)	(4)	(4)
San Francisco—Oakland ³	27	790	+17.2	15,776	+24.1	19.97	+5.9	(4)	(4)	(4)	(4)
Other localities ³	23	401	-5	9,326	+3.8	23.26	+4.3	(4)	(4)	(4)	(4)
The State ³	73	2,215	-2.1	47,198	+2.3	21.31	+4.5	(4)	(4)	(4)	(4)
Colorado: Denver.....	225	714	+30.1	15,211	+30.4	21.30	+3	27.2	-4	79.4	+1.7
Connecticut:											
Bridgeport.....	115	459	+17.7	9,656	+18.5	21.04	+7	30.4	-3	69.5	+3
Hartford.....	259	1,020	+15.0	21,243	+17.6	20.83	+2.3	31.4	+2.3	66.1	+2
New Haven.....	182	1,094	+15.0	24,949	+5.7	22.81	-8.1	31.8	-5.4	71.8	-3.4
The State.....	556	2,573	+15.5	55,848	+12.1	21.71	-2.9	31.4	-1.6	69.1	+1.7
Delaware: Wilmington.....	110	941	+18.4	19,258	+25.1	20.47	+5.7	33.9	+8.0	61.1	-2.1
District of Columbia.....	408	4,333	-4.7	118,307	-5.0	27.30	-3	32.0	+1.9	84.2	-2.5
Florida:											
Jacksonville.....	53	217	+28.4	3,445	+21.8	15.88	-5.1	28.1	-4.7	56.6	-4
Miami.....	79	775	+18.1	14,648	+12.5	18.90	-4.8	27.7	-5.8	68.1	+9
The State.....	132	992	+20.2	18,093	+14.1	18.24	-5.0	27.8	-5.4	65.6	+5
Georgia: Atlanta.....	147	1,036	+8.0	16,339	+9.3	15.77	+1.2	26.7	-4	60.2	+1.9
Illinois:											
Chicago ³	123	2,412	+39.3	81,066	+63.8	33.61	+17.6	(4)	(4)	(4)	(4)
Other localities ³	88	1,556	+60.7	34,191	+47.0	21.97	-8.6	(4)	(4)	(4)	(4)
The State ³	211	3,968	+47.0	115,257	+58.4	29.05	+7.8	(4)	(4)	(4)	(4)
Indiana:											
Evansville.....	60	307	-27.9	6,124	-27.1	19.95	+1.1	29.8	-1.7	67.0	+2.8
Fort Wayne.....	93	260	-3.3	5,545	+11.5	21.33	+15.4	28.0	+9.8	76.1	+5.0
Indianapolis.....	171	971	+10.5	20,031	+16.0	20.63	+5.0	28.4	-2.7	72.1	+7.5
South Bend.....	37	259	+7.0	5,640	+6.3	21.78	-7	31.1	+11.1	70.3	-10.3
The State.....	361	1,797	-1.0	37,340	+3.9	20.78	+4.9	29.0	+7	71.5	+3.9
Iowa: Des Moines.....	97	545	+30.4	12,647	+39.8	23.21	+7.3	29.9	+5.3	77.8	+1.0
Kansas: Wichita.....	71	346	+64.0	4,748	+45.6	13.72	-11.3	23.3	-10.0	59.1	-1.5
Kentucky: Louisville.....	143	971	-4.1	18,232	-9.4	18.78	-5.5	29.8	-4.5	62.3	-5
Louisiana: New Orleans.....	121	652	+15.6	10,337	+20.0	15.85	+3.7	26.4	-2.6	59.4	+7.8
Maine: Portland.....	100	407	+29.2	9,047	+41.1	22.23	+9.2	31.6	+13.3	70.4	-3.4
Maryland: Baltimore ³	119	1,493	+5.1	31,734	+10.0	21.26	+4.7	35.9	+8.8	65.4	-2.7
Massachusetts: Alllocalities ³	688	4,897	+10.6	121,289	+13.8	24.77	+2.9	32.0	+6.3	77.5	-3.1
Michigan:											
Detroit.....	450	3,222	+5.8	78,479	+6.9	24.36	+1.1	32.1	-1.5	75.9	+2.4
Flint.....	54	304	+118.7	6,269	+131.7	20.62	+5.9	29.4	+19.5	70.1	-11.4
Grand Rapids.....	102	334	+17.2	6,258	+29.2	18.74	+10.2	30.7	+11.6	61.1	-1.8
The State.....	606	3,860	+11.2	91,006	+12.4	23.58	+1.1	31.7	-3	74.3	+1.2
Minnesota:											
Duluth.....	55	200	-27.0	3,683	-25.2	18.42	+2.6	28.9	-7	63.2	+3.1
Minneapolis.....	235	1,848	+48.2	42,300	+55.2	22.89	+4.7	30.8	+5.8	74.4	-1.1
St. Paul.....	178	865	+3.2	20,884	+1.9	24.14	-1.3	30.4	-1.9	79.5	+9
The State.....	468	2,913	+23.5	64,867	+26.9	22.95	+2.8	30.5	+2.3	75.2	+4
Missouri:											
Kansas City ⁵	286	1,558	+2.2	37,809	+3.8	24.27	+1.5	28.2	+2.2	87.5	+6
St. Louis.....	609	2,764	+8	74,345	+1.1	26.90	+3	26.3	(-1)	101.8	+1.4
The State.....	895	4,322	+1.3	112,154	+2.0	25.95	+7	27.0	(-1)	96.5	+9
Nebraska: Omaha.....	159	1,077	+34.3	24,411	+52.4	22.67	+13.5	31.1	+6.1	72.7	+6.8

Footnotes at end of table.

EMPLOYMENT, PAY ROLLS, AVERAGE WEEKLY EARNINGS, AVERAGE HOURS PER WEEK PER MAN, AND AVERAGE HOURLY EARNINGS IN THE **BUILDING-CONSTRUCTION** INDUSTRY IN MAY 1934, AND PERCENTAGES OF CHANGE FROM APRIL 1934—Continued

Locality	Number of firms reporting	Employment		Pay rolls		Average weekly earnings		Average hours per week per man ¹		Average hourly earnings ¹	
		Number on pay roll May 1934	Percent of change from April 1934	May 1934	Percent of change from April 1934	May 1934	Percent of change from April 1934	Number May 1934	Percent of change from April 1934	May 1934	Percent of change from April 1934
New York											
New York City ²	406	5,880	-5.7	178,973	-6.3	\$30.44	-0.6	28.1	+1.1	108.2	-1.6
Other localities ³	312	6,517	+20.7	145,150	+18.9	22.27	-1.5	29.4	(?)	75.8	-1.4
The State ⁴	718	12,397	+6.5	324,123	+3.5	26.15	-2.8	28.8	+7.7	90.8	-3.6
North Carolina: Charlotte.....	57	325	+18.2	5,220	+22.3	16.06	+3.5	30.7	+4.1	51.7	-1.3
Ohio:											
Akron.....	86	359	+27.8	7,417	+49.0	20.66	+16.6	29.0	+9.0	71.2	+7.1
Cincinnati ⁶	454	1,871	+8.0	46,066	+16.8	24.62	+8.2	30.1	+4.2	82.2	+4.1
Cleveland.....	638	2,619	+17.2	73,641	+23.9	28.12	+5.7	28.2	+8.9	101.1	-1.6
Dayton.....	141	555	+28.5	10,410	+20.0	18.76	-6.6	27.0	-8.5	69.4	+1.9
Youngstown.....	88	419	+25.8	10,460	+51.0	24.96	+20.0	29.7	+10.0	83.9	+8.7
The State.....	1,407	5,823	+16.2	147,994	+23.9	25.42	+6.7	28.9	+5.5	88.3	-3.3
Oklahoma:											
Oklahoma City.....	104	466	+13.4	9,113	+25.2	19.56	+10.4	28.0	+7.7	69.9	+2.2
Tulsa.....	54	286	+14.4	5,486	+22.8	19.18	-7.3	27.1	-5.2	71.3	+10.5
The State.....	158	752	+13.8	14,599	+24.3	19.41	+9.2	27.7	+2.6	70.4	+5.4
Oregon: Portland.....	206	950	+13.1	19,886	+12.8	20.93	-3.3	28.0	-2.8	75.0	+2.3
Pennsylvania: ⁷											
Erie area ³	22	193	+50.8	2,937	+38.2	15.22	-8.3	25.3	-15.4	60.6	+3.3
Philadelphia area ³	416	4,478	+16.0	84,835	+13.6	18.94	-2.1	28.4	-1.0	67.8	-3.3
Pittsburgh area ³	227	1,689	+16.4	45,317	+23.5	26.83	+6.0	29.8	+3.1	93.3	+4.1
Reading-Lebanon area ³	44	275	-9.5	5,709	-2.9	20.76	+7.3	33.1	+7.8	62.8	-5.5
Scranton area ³	31	181	+17.5	4,201	+28.4	23.21	+9.2	29.4	+7.7	79.4	+3.8
Other areas ³	294	2,410	+8.3	42,772	+7.6	17.75	-6.7	27.7	-7.7	63.7	+3.3
The State ³	1,034	9,226	+13.6	185,771	+14.4	20.14	+7.7	28.6	(?)	71.5	+1.6
Rhode Island: Providence.....	248	1,693	+25.9	37,093	+32.0	21.91	+4.9	31.4	+3.3	69.9	+4.2
Tennessee:											
Chatanooga.....	38	217	+47.6	3,408	+50.3	15.71	+1.9	28.3	+5.2	55.7	-1.9
Knoxville.....	46	342	+19.2	5,556	+21.0	16.25	+1.6	28.3	+4.0	57.5	-2.2
Memphis.....	83	503	-26.4	9,864	+10.0	19.61	+49.4	31.2	+66.8	62.7	-10.2
Nashville.....	88	705	+12.1	11,652	+16.6	16.53	+4.0	29.2	-1.0	56.8	+5.0
The State.....	255	1,767	+1.2	30,480	+18.1	17.25	+16.6	29.5	+19.4	58.5	-2.2
Texas:											
Dallas.....	208	711	+9.4	11,953	+13.1	16.81	+3.4	27.0	+2.7	62.5	+1.6
El Paso.....	26	91	-22.2	1,437	-26.0	15.79	-4.8	24.0	-16.7	65.8	+13.3
Houston.....	197	996	+1.8	18,774	+11.6	18.85	+9.6	28.5	+4.4	66.3	+6.1
San Antonio.....	118	363	-36.2	5,322	-50.9	14.66	-23.1	24.9	-11.4	59.3	-12.8
The State.....	549	2,161	-6.6	37,486	-6.7	17.35	-1.1	27.1	-7.7	63.8	+5.5
Utah: Salt Lake City.....	93	351	+37.6	6,707	+34.2	19.11	-2.5	23.9	-10.5	79.6	+8.4
Virginia:											
Norfolk-Portsmouth.....	88	535	+19.7	10,270	+25.1	19.20	+4.6	29.9	+2.7	64.0	+1.6
Richmond.....	132	713	+6.1	14,598	+12.1	20.47	+5.6	32.7	+5.8	64.2	+1.3
The State.....	220	1,248	+11.5	24,868	+17.1	19.93	+5.1	31.4	+4.3	64.1	+1.4
Washington:											
Seattle.....	180	735	-6.4	15,424	+1.3	20.99	+8.3	25.4	+1.2	82.7	+7.1
Spokane.....	54	277	-29.3	6,032	-39.9	21.78	-14.9	26.9	-20.2	80.8	+6.5
Tacoma.....	91	154	-23.4	3,026	-8.6	19.65	+19.4	24.3	+11.5	80.8	+6.9
The State.....	325	1,166	-15.4	24,482	-14.3	21.00	+1.3	25.6	-5.5	82.0	+7.2
West Virginia: Wheeling.....	49	156	+20.0	3,078	+21.8	19.73	+1.5	27.2	-5.2	72.8	+5.5
Wisconsin: All localities ³	158	1,478	+13.1	29,144	+18.9	19.72	+5.2	33.8	+17.4	59.4	-4.7

¹ Averages computed from reports furnished by 10,647 firms.

² No change.

³ Data supplied by cooperating State bureaus.

⁴ Data not available.

⁵ Includes both Kansas City, Mo., and Kansas City, Kans.

⁶ Includes Covington and Newport, Ky.

⁷ Each separate area includes from 2 to 8 counties.

Trend of Employment in May 1934, by States

FLUCTUATIONS in employment and pay-roll totals, in May 1934 as compared with April 1934, in certain industrial groups are shown by States in the table following. These tabulations have been prepared from data secured directly from reporting establishments and from information supplied by cooperating State agencies. The combined total of all groups does not include building-construction data, which are shown by city and State totals in the section "Building construction." In addition to the combined total of all groups, the trend of employment and pay rolls in the manufacturing, public utility, hotel, wholesale trade, retail trade, bituminous-coal mining, crude-petroleum producing, quarrying and nonmetallic mining, metalliferous mining, laundry, dyeing and cleaning, and banks-brokerage-insurance-real estate groups is presented. In this State compilation, the totals of the telephone and telegraph, power and light, and electric-railroad operation groups have been combined and are presented as one group—public utilities.

The percentages of change shown in the accompanying table, unless otherwise noted, are unweighted; that is, the industries included in the groups, and the groups comprising the total of all groups, have not been weighted according to their relative importance in the combined totals.

The State totals for the anthracite-mining industry, which is confined entirely to the State of Pennsylvania, will be found in table 1, nonmanufacturing industries.

When the identity of any reporting company would be disclosed by the publication of a State total for any industrial group, figures for the group do not appear in the separate industrial-group tabulation, but are included in the State totals for "all groups." Data are not presented for any industrial group when the representation in the State covers less than three establishments.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN APRIL AND MAY 1934, BY STATES

[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued¹ by cooperating State organizations]

State	Total—all groups					Manufacturing				
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama.....	591	71,981	+ (1)	\$1,028,340	+4.0	257	53,035	-0.9	\$732,239	-1.4
Arizona.....	395	10,111	+7	200,705	-9	53	2,311	+2.0	42,777	-5.7
Arkansas.....	<i>2 818</i>	<i>18,726</i>	-7.8	<i>280,439</i>	-3.4	<i>218</i>	<i>12,070</i>	-10.6	<i>162,161</i>	-6.3
California.....	<i>7 1,829</i>	<i>256,481</i>	-1.1	<i>6,251,270</i>	+2.7	<i>1,014</i>	<i>143,477</i>	-1.8	<i>3,326,267</i>	+2.6
Colorado.....	885	34,394	+1.5	731,896	+1.5	174	14,667	+6.6	311,833	+6.8
Connecticut.....	1,223	169,619	-1.6	3,407,316	-6	740	148,541	-1.9	2,858,790	-8
Delaware.....	166	10,959	-2	219,991	-2.6	65	7,950	-4	145,008	-4.6
District of Columbia.....	833	35,105	+1.9	823,010	+2.6	51	3,668	+2.1	115,309	+3.2
Florida.....	761	33,043	-5.4	548,115	-3.5	240	20,225	+1.1	300,390	+5
Georgia.....	969	99,092	-2.2	1,368,240	-4.1	378	51,067	-2.6	1,008,798	-5.5
Idaho.....	248	9,880	+18.7	179,932	+14.8	59	5,511	+39.1	97,794	+37.1
Illinois.....	<i>4 3,815</i>	<i>416,018</i>	+2.0	<i>9,155,554</i>	+4.4	<i>1,874</i>	<i>268,569</i>	+2.4	<i>5,479,649</i>	+5.0
Indiana.....	1,399	153,515	-3.2	3,001,291	-7.6	677	130,928	-4.0	2,347,341	-9.2
Iowa.....	1,085	51,590	+3.9	994,330	+4.1	445	31,139	+4.5	600,378	+4.4
Kansas.....	<i>5 1,875</i>	<i>72,505</i>	+2.7	<i>1,604,770</i>	+2.4	<i>472</i>	<i>30,662</i>	+3.6	<i>646,398</i>	+5.3
Kentucky.....	992	78,624	-1.6	1,386,375	+8	314	32,552	-4.8	567,296	-2.3
Louisiana.....	502	37,571	+2	599,845	+1	224	24,127	+6	335,120	+7
Maine.....	592	49,077	-3.4	837,140	-5.8	282	42,767	-4.4	697,252	-7.6
Maryland.....	<i>1,603</i>	<i>111,550</i>	+6	<i>2,242,506</i>	+1	<i>665</i>	<i>77,056</i>	-9.9	<i>1,482,683</i>	+1.3
Massachusetts.....	<i>5 3,779</i>	<i>456,383</i>	-4	<i>9,124,355</i>	-1	<i>1,488</i>	<i>241,231</i>	-1.7	<i>4,619,577</i>	-1.8
Michigan.....	2,481	472,620	+2.7	11,458,096	-1.5	<i>1,126</i>	<i>148,458</i>	-5	<i>10,809,951</i>	-4.0
Minnesota.....	1,143	71,585	+2.3	1,481,146	+1.1	401	36,606	+3.0	731,955	+1.6
Mississippi.....	402	13,164	+2.6	181,621	+6.3	112	9,181	+4.2	117,557	+7.2
Missouri.....	1,638	134,061	-9	2,690,895	-2.1	849	79,980	-2.3	1,511,926	-4.5
Montana.....	408	8,576	-20.5	210,659	-19.2	89	3,045	+7.6	68,368	+4.0
Nebraska.....	773	24,474	+3.9	520,193	+3.3	156	12,102	+5.3	258,407	+5.7
Nevada.....	153	2,548	+4.3	60,890	+2.0	33	818	+2.5	21,353	+4.7
New Hampshire.....	523	44,282	-2.7	715,636	-11.4	218	39,643	-3.1	609,759	-13.4
New Jersey.....	1,971	237,855	+1.6	5,333,797	+2.2	<i>7 895</i>	<i>210,007</i>	+2.2	<i>4,609,550</i>	+2.9
New Mexico.....	222	5,681	+1.1	97,883	+2.6	33	874	+5	13,218	+1.6
New York.....	8,309	630,933	-1.1	15,806,378	-2	<i>5 1,874</i>	<i>378,766</i>	-1.5	<i>8,854,599</i>	-1.4
North Carolina.....	990	146,726	-3.1	1,889,965	-6.0	612	140,203	-3.3	1,791,255	-6.2
North Dakota.....	270	3,551	+1.7	69,064	+2.1	60	1,034	+12.4	22,000	+10.0
Ohio.....	5,707	517,147	+2.1	11,333,868	+1.8	2,490	394,744	+2.1	8,705,332	+2.0
Oklahoma.....	881	32,396	+1.2	641,884	+2.7	174	11,678	+6	216,207	+3.1
Oregon.....	836	38,437	+5.3	781,965	+5.6	291	26,522	+7.8	496,995	+7.9
Pennsylvania.....	5,001	697,964	+1.2	15,195,754	+4.9	<i>1,875</i>	<i>408,620</i>	+3	<i>8,183,069</i>	+6.1
Rhode Island.....	994	74,193	-2	1,378,131	-1.2	368	61,050	-6	1,076,824	-1.7
South Carolina.....	484	68,006	-3.7	860,071	-5.2	229	63,595	-3.5	790,924	-5.4
South Dakota.....	203	6,042	+2.6	142,879	+3.3	50	2,206	+3.0	44,180	+6.5
Tennessee.....	811	80,487	+2.6	1,233,672	+2.6	332	61,721	+1.9	902,304	+1.5
Texas.....	<i>1,647</i>	<i>91,806</i>	+5	<i>1,947,220</i>	+1.6	<i>596</i>	<i>49,966</i>	-4	<i>989,291</i>	-9
Utah.....	361	13,174	+1.8	268,476	+1.6	115	5,185	+7.7	101,521	+9.4
Vermont.....	409	11,868	+4.1	235,914	+8.2	146	7,222	+3.9	142,773	+7.5
Virginia.....	1,361	92,917	-1	1,586,691	+2.1	491	69,963	-1.0	1,144,081	+2.1
Washington.....	1,334	66,023	+2.1	1,397,218	+2.6	466	40,524	+3.1	804,108	+2.8
West Virginia.....	898	138,256	+11.2	2,807,516	+7.1	232	57,659	+7.1	1,163,634	-2.1
Wisconsin.....	<i>9 1,050</i>	<i>161,818</i>	+5.4	<i>3,143,276</i>	+5.7	<i>775</i>	<i>130,090</i>	+12.3	<i>2,501,717</i>	+17.6
Wyoming.....	222	5,889	-9	136,371	-6.6	45	1,577	+2.9	41,513	+1.8

¹ Less than 1/10 of 1 percent.

² Includes automobile dealers and garages, and sand, gravel, and building stone.

³ Includes banks, insurance, and office employment.

⁴ Includes building and contracting.

⁵ Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional, and transportation services.

⁶ Weighted percent of change.

⁷ Includes laundries.

⁸ Includes laundering and cleaning, but does not include food, canning and preserving.

⁹ Includes construction but does not include hotels and restaurants, and public works.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN APRIL AND MAY 1934, 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]

State	Wholesale trade					Retail trade				
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama.....	16	669	+2.0	\$17,404	-1.6	80	2,173	-1.7	\$37,624	-1.3
Arizona.....	23	234	+4.5	5,585	-5.5	166	1,807	-8	28,595	-3.8
Arkansas.....	49	1,154	+14.5	25,996	+1.0	125	1,947	-2.9	32,705	-2.0
California.....	105	5,814	+3	163,045	+2.0	129	26,600	-2	548,173	-1
Colorado.....	27	900	+7	24,699	-2.6	274	4,534	-6	92,723	+3.2
Connecticut.....	55	1,028	+6	29,765	+2.3	114	4,839	+5	96,443	+4
Delaware.....	9	125	-1.6	2,509	-6.1	37	605	-4.4	13,594	+1.2
District of Columbia.....	48	964	+5.7	29,567	+5.3	606	12,445	+1.6	255,167	+1.3
Florida.....	75	1,208	-2.3	27,675	-3.8	100	2,673	-4.2	47,260	-7.3
Georgia.....	33	624	-2.3	16,017	-3.6	221	3,905	-5	65,081	-1.0
Idaho.....	10	147	+2.1	3,645	-5.1	53	443	-2.2	7,601	-8
Illinois.....	320	8,251	+5	216,134	+7	929	42,416	+2.4	858,315	+2.5
Indiana.....	77	1,860	+3	42,659	+6	194	7,106	+2.2	127,247	+3.4
Iowa.....	34	1,095	-1.1	26,829	-7.0	117	3,613	-6	64,917	+1.5
Kansas.....	168	2,683	-1.8	61,587	-6	797	7,808	+9	144,210	+1.1
Kentucky.....	22	449	+3.5	8,978	+9	79	3,764	+1.7	64,255	+3.3
Louisiana.....	23	705	-2.2	16,459	-4.3	34	3,091	-6.1	47,836	-7
Maine.....	19	463	+4	10,968	-6	64	896	+4.4	16,570	+1.4
Maryland.....	206	3,227	+2.3	77,560	+3.2	554	14,161	+2.2	271,638	+7
Massachusetts.....	343	17,793	+3	472,864	+1.1	4,537	71,564	+8	1,399,408	+9
Michigan.....	66	1,889	+2.7	51,589	-8	743	16,733	+5.8	346,440	+6.1
Minnesota.....	77	4,889	-2.2	129,198	-4.5	247	8,522	-4.0	145,528	+1.0
Mississippi.....	4	123	+8	2,377	-2.1	28	450	+4	4,692	-3.0
Missouri.....	60	5,126	+1.7	131,840	-2.7	128	11,118	+4.6	197,459	+4
Montana.....	12	224	+4	6,517	-6.3	86	899	+2.0	18,273	-9
Nebraska.....	29	814	+3.2	19,907	+1	187	2,012	-2.3	39,046	+3.3
Nevada.....	7	111	+9	3,427	-3.1	36	223	-2.6	4,868	-6.4
New Hampshire.....	12	153	+1.3	4,276	+4	67	871	+7.1	13,249	+3.7
New Jersey.....	23	640	+1.3	17,624	+1.2	420	7,936	+7	178,984	+9
New Mexico.....	7	94	-1.1	3,205	-1.2	53	289	-1.0	6,031	-4.2
New York.....	388	13,906	+4.1	419,279	+3.4	4,148	87,984	-7	1,928,127	-1.0
North Carolina.....	14	187	(10)	4,006	-2.9	197	971	-4	12,463	+3
North Dakota.....	11	212	+5.0	4,933	-1.8	11	276	+4.5	3,876	+1.8
Ohio.....	215	4,798	+4	124,174	+1.2	1,698	40,439	+1.4	743,913	+6
Oklahoma.....	48	986	+1.0	21,482	-5.6	197	3,377	+3.1	60,917	-3.9
Oregon.....	46	1,296	+2	33,227	-3.4	202	2,132	-6	44,073	-1.7
Pennsylvania.....	122	3,434	+2	90,854	-7	371	30,068	+2.3	599,070	+2.7
Rhode Island.....	34	779	+1.4	19,559	+1.3	465	5,712	+2.0	102,718	-1.2
South Carolina.....	14	212	-5	5,032	+1.4	116	1,250	-1.0	14,386	-4
South Dakota.....	9	114	+1.8	2,723	-3.1	11	89	+6.0	1,349	-1.2
Tennessee.....	34	746	+3	15,518	- (1)	58	4,302	+13.6	66,760	+5.2
Texas.....	267	6,207	+1.4	146,152	+6	536	16,090	+1.5	307,189	+4.2
Utah.....	14	471	-1.1	11,735	-3.0	71	690	+3.8	13,765	-11.1
Vermont.....	5	117	+2.6	2,746	+2.4	30	250	+4	5,232	-4
Virginia.....	37	810	-8.7	20,640	-5.3	477	5,318	+2.1	88,255	+2.0
Washington.....	100	2,179	+1.8	58,024	-8	365	6,479	-1.2	122,391	+6
West Virginia.....	28	554	-1.6	13,153	-4.0	28	775	+8.4	13,739	+6.1
Wisconsin.....	45	1,735	-2.6	36,884	-3.7	53	10,863	-2	146,192	-6
Wyoming.....	8	64	+1.6	1,760	-3.3	42	260	+1.6	5,281	-2.2

¹ Less than 1/10 of 1 percent.

¹⁰ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN APRIL AND MAY 1934, 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]

State	Quarrying and nonmetallic mining				Metalliferous mining					
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama	16	596	-2.5	\$7,291	+15.1	9	1,416	-1.7	\$11,022	-47.6
Arizona	3	46	+9.5	651	+2.5	22	3,060	+13.5	71,457	+10.9
Arkansas	8	211	+12.2	3,009	+16.2	3	396	+3	5,797	-5.7
California	41	1,117	-2.4	22,527	-1.6	36	2,681	-4	67,124	+6.1
Colorado	4	27	-6.9	341	-19.0	12	1,083	+2.0	29,258	-1.0
Connecticut	25	327	+15.5	5,643	+14.8					
Delaware	3	68	+17.2	1,409	+39.1					
District of Columbia										
Florida	17	853	-4.3	10,529	-3.2					
Georgia	25	1,462	+8.5	15,186	+16.9					
Idaho						10	2,082	-2.4	42,477	-7.3
Illinois	18	631	+9.7	11,884	+12.1					
Indiana	62	1,670	+19.7	29,335	+34.0					
Iowa	29	619	+24.8	9,980	+35.3					
Kansas	33	1,293	+2.1	24,983	+7.6	17	1,222	-5.1	21,477	+3.5
Kentucky	40	1,132	+12.2	13,927	+12.7					
Louisiana	12	474	+6.3	6,259	+3.0					
Maine	9	536	+15.3	12,775	+21.9					
Maryland	10	410	+7.9	10,023	+18.5					
Massachusetts	20	482	+25.5	10,954	+35.6					
Michigan	47	1,843	+26.2	34,627	+35.4	38	4,872	+7.5	79,711	+3.2
Minnesota	26	360	+18.4	5,905	+24.4	32	1,825	+38.8	37,778	+50.6
Mississippi	9	230	+51.3	3,645	+43.4					
Missouri	50	1,255	-5.1	17,424	-7.2	14	1,759	+7	21,107	+4.5
Montana	5	58	-3.3	1,034	+16.3	17	456	-82.8	20,346	-71.6
Nebraska	11	178	+35.9	2,560	+22.0					
Nevada						15	651	+7.2	15,062	+5.1
New Hampshire	11	230	-7.3	5,610	-16.1					
New Jersey	37	682	+11.4	12,226	+18.7	3	17	+13.3	315	-11.0
New Mexico						5	976	+5.1	18,344	+5.4
New York	78	2,694	+15.3	55,985	+21.8					
North Carolina	11	392	-5.1	5,404	-19.2					
North Dakota										
Ohio	144	3,932	+15.4	67,745	+24.1					
Oklahoma	15	207	+20.3	1,808	+2.7	32	1,251	+1.0	17,629	-10.4
Oregon	4	116	+20.8	2,295	+22.9	6	90	+2.3	1,929	+21.2
Pennsylvania	151	4,902	+15.8	85,281	+23.6					
Rhode Island										
South Carolina	4	117	+9	1,364	+19.1					
South Dakota	6	81	+37.3	1,151	+25.4					
Tennessee	23	901	+4.6	10,158	-4.9	4	315	+6.8	6,770	+7.1
Texas	22	1,502	+7.9	27,786	+9.2					
Utah	7	160	+50.9	2,158	+34.3	12	2,140	+1.7	44,966	+2.9
Vermont	38	2,203	+7.3	43,763	+17.9					
Virginia	28	962	+8.7	13,105	+18.0					
Washington	17	614	+12.9	10,766	+14.0	3	117	-8	2,505	+9.8
West Virginia	19	922	+9.8	14,829	+21.7					
Wisconsin	14	384	+60.7	7,135	+104.6	(1)	213	-9	4,740	-4
Wyoming										

(1) Not available.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN APRIL AND MAY 1934, 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]

State	Bituminous-coal mining					Crude-petroleum producing				
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama.....	46	9,335	+7.1	\$145,322	+75.6					
Arizona.....						8	406	+6.3	9,501	+9.9
Arkansas.....						40	9,674	+6.9	293,988	+3.9
California.....										
Colorado.....	49	3,374	-14.8	49,689	-15.5					
Connecticut.....										
Delaware.....										
Dist. of Columbia.....										
Florida.....										
Georgia.....										
Idaho.....						8	204	-1.4	4,288	-2.7
Illinois.....	33	6,769	-19.8	114,139	-14.2	4	22	-8.3	340	+3.3
Indiana.....	52	5,263	-13.5	101,963	-13.0					
Iowa.....	15	1,560	+40.7	25,449	+112.7					
Kansas.....	15	742	+12.4	12,691	-3	27	1,662	+7	39,223	+6.2
Kentucky.....	147	28,730	-7	499,700	+3.7	5	251	+4.1	3,399	+4.3
Louisiana.....						9	282	+8.0	8,074	+6.1
Maine.....										
Maryland.....	17	1,596	+10.7	16,603	-12.5					
Massachusetts.....										
Michigan.....										
Minnesota.....										
Mississippi.....										
Missouri.....	21	639	-29.9	8,288	-36.0					
Montana.....	11	511	-39.2	14,260	-17.8	4	47	(10)	1,102	+11.4
Nebraska.....										
Nevada.....										
New Hampshire.....										
New Jersey.....										
New Mexico.....	14	1,721	-1.0	29,204	+6.5	5	89	+21.9	1,987	+17.4
New York.....						3	83	+3.8	2,160	+7.8
North Carolina.....										
North Dakota.....	7	437	-21.1	8,152	-13.1					
Ohio.....	76	14,618	+5.1	250,440	+5.6	6	61	+1.7	723	-6
Oklahoma.....	14	180	-25.3	3,382	-11.3	58	5,745	+9	139,936	+9.0
Oregon.....										
Pennsylvania.....	455	75,924	+3.3	1,334,553	-1.5	20	921	+2.2	22,781	+3.1
Rhode Island.....										
South Carolina.....										
South Dakota.....										
Tennessee.....	16	2,462	+9.8	45,327	+25.8					
Texas.....	5	343	-2.3	5,827	-1	3	6,694	+1.6	215,075	+6
Utah.....	12	837	-27.8	18,384	-20.0					
Vermont.....										
Virginia.....	24	4,480	+4	83,690	-2					
Washington.....	11	897	+38.6	21,818	+97.3					
West Virginia.....	355	68,647	+24.0	1,377,777	+16.9	8	449	+14.2	9,051	+15.8
Wisconsin.....										
Wyoming.....	31	2,903	-4.3	63,121	-14.4	6	155	+4.0	4,407	+1.3

¹⁰ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN APRIL AND MAY 1934, 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]

State	Public utilities				Hotels					
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama.....	88	1,702	-4.1	\$38,399	-8.9	24	1,366	-2.1	\$11,887	-3.1
Arizona.....	61	1,392	+1.7	30,902	-2.3	24	570	-37.4	8,030	-32.1
Arkansas.....	<i>29</i>	<i>1,336</i>	<i>-2.6</i>	<i>31,014</i>	<i>-4</i>	<i>26</i>	<i>845</i>	<i>-20.2</i>	<i>7,865</i>	<i>-11.9</i>
California.....	41	<i>39,902</i>	<i>+1.1</i>	<i>1,138,423</i>	<i>+6.9</i>	<i>132</i>	<i>9,612</i>	<i>-2.7</i>	<i>149,179</i>	<i>-1.7</i>
Colorado.....	202	5,637	+2.4	140,248	-1.9	56	1,237	+2.0	15,369	-1.6
Connecticut.....	132	9,700	+5	295,641	+1.1	32	1,252	-1.6	16,416	-2.1
Delaware.....	28	1,111	+1.7	30,498	+4	3	260	+1.6	3,569	+1.9
District of Columbia.....	21	9,204	+2.4	259,310	+3.3	45	4,455	-1.2	66,163	+1.1
Florida.....	163	4,167	-2.0	106,336	+2	107	2,138	-43.7	21,852	-40.1
Georgia.....	186	6,788	+1.6	184,633	+1.2	39	1,276	-20.7	10,669	-22.4
Idaho.....	56	747	+1.9	14,428	-3	23	435	+11.5	4,838	+6.9
Illinois.....	80	<i>72,952</i>	<i>+1.0</i>	<i>2,039,620</i>	<i>+3.7</i>	<i>13</i>	<i>233</i>	<i>+2.4</i>	<i>210,443</i>	<i>-2.2</i>
Indiana.....	133	9,456	+7	232,896	-2.7	67	3,213	+3.2	34,787	-3.4
Iowa.....	320	8,139	+1.1	184,356	-2.2	60	2,813	-3.2	27,071	+4.2
Kansas.....	¹³ 146	<i>6,429</i>	<i>-3</i>	<i>152,486</i>	<i>+1.6</i>	<i>35</i>	<i>810</i>	<i>+1.9</i>	<i>8,315</i>	<i>+3.0</i>
Kentucky.....	278	6,249	+7	145,781	+2	37	2,453	+12.7	25,165	+17.4
Louisiana.....	150	5,702	+1.0	140,455	-1.5	22	2,196	+1.6	24,612	+1.9
Maine.....	170	2,769	+9	73,214	+3.7	18	642	+9.2	7,909	+5.6
Maryland.....	<i>94</i>	<i>12,306</i>	<i>+3</i>	<i>341,987</i>	<i>-2.6</i>	<i>20</i>	<i>703</i>	<i>+4.5</i>	<i>8,562</i>	<i>+3.7</i>
Massachusetts.....	<i>123</i>	<i>46,806</i>	<i>+5</i>	<i>1,328,216</i>	<i>+7</i>	<i>65</i>	<i>4,959</i>	<i>-6.8</i>	<i>73,941</i>	<i>-3</i>
Michigan.....	425	29,041	+1.9	894,255	+5.7	103	5,575	+5.0	71,687	+3.5
Minnesota.....	165	8,833	+2.0	217,542	-2.6	80	3,521	+2.2	42,991	+3.6
Mississippi.....	190	1,701	-1.9	36,866	+7.4	24	782	-12.1	6,239	-15.6
Missouri.....	177	19,127	+1.6	512,802	+3.1	98	5,371	+6	65,743	+8
Montana.....	105	2,100	+2.1	58,657	+3.0	36	384	+4.3	8,206	+2.0
Nebraska.....	290	5,673	+1.3	141,164	-1.6	48	1,774	+4.1	18,201	+1.6
Nevada.....	35	405	+7.4	10,630	-1.8	20	256	+5.3	3,490	-1.8
New Hampshire.....	140	2,217	-1.2	59,123	+2.4	11	302	+4.9	3,709	+7.1
New Jersey.....	265	21,391	-1	625,808	+2.5	95	4,287	-5.1	53,995	-9
New Mexico.....	54	629	+1.6	12,409	-5.0	25	653	+1.7	6,679	+8
New York.....	877	123,379	+1	3,897,857	+3.3	209	27,982	-7	449,554	-1.6
North Carolina.....	63	1,506	⁽⁹⁾	33,694	-6.6	44	2,042	+2	18,338	-1.1
North Dakota.....	108	724	+2.5	16,343	+1.5	20	339	+9	3,479	+3.1
Ohio.....	483	34,839	+1.0	937,669	-9	141	9,012	+2	118,156	+3.6
Oklahoma.....	223	5,435	-4	127,289	+2.4	54	1,683	+9.6	17,090	+4.3
Oregon.....	181	5,576	+1	151,047	+4.3	73	1,504	-1	19,014	+5
Pennsylvania.....	<i>741</i>	<i>49,047</i>	<i>+5</i>	<i>1,380,132</i>	<i>-9</i>	<i>158</i>	<i>8,855</i>	<i>+9</i>	<i>116,970</i>	<i>+1.9</i>
Rhode Island.....	43	3,468	+1.6	98,680	+3.3	20	495	+1.9	6,615	+1.7
South Carolina.....	72	1,726	-11.3	35,650	-8.2	18	494	-8.3	4,373	-6.8
South Dakota.....	58	765	+3.4	18,498	+6.1	25	425	+7	5,016	+1.5
Tennessee.....	235	4,726	+6	110,308	+5.5	41	2,494	+1.1	21,923	+3.3
Texas.....	<i>127</i>	<i>8,010</i>	<i>+1.9</i>	<i>207,659</i>	<i>+2.6</i>	<i>46</i>	<i>3,437</i>	<i>-1.4</i>	<i>44,068</i>	<i>-3</i>
Utah.....	70	1,817	+2.7	37,912	+5	14	515	+4.0	6,510	+2.1
Vermont.....	124	1,125	+5	26,811	+3.2	21	446	+4	4,325	+3.0
Virginia.....	153	5,910	+1.5	143,496	+2.0	41	2,459	+16.4	25,127	+15.4
Washington.....	191	8,000	-9	222,004	+9	97	2,882	-1.4	34,448	+8
West Virginia.....	114	6,171	+1.6	166,400	+4.2	42	1,430	+1.2	15,231	+2.4
Wisconsin.....	¹⁴ 41	<i>10,866</i>	<i>+1.7</i>	<i>517,123</i>	<i>+1.7</i>	<i>43</i>	<i>1,457</i>	<i>+2.9</i>	(C)	-
Wyoming.....	48	464	+2.2	10,984	+1.8	16	141	+2.2	1,910	+6

¹⁰ No change.¹¹ Not available.¹² Includes restaurants.¹³ Includes steam railways.¹⁴ Includes railways and express.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN APRIL AND MAY 1934, 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]

State	Laundries				Dyeing and cleaning					
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama.....	20	1,032	+0.2	\$10,131	+2.1	8	123	+10.8	\$1,768	+19.1
Arizona.....	12	431	-4.4	6,048	-3.6	3	41	-8.9	780	+4
Arkansas.....	<i>25</i>	<i>655</i>	+3.2	<i>6,280</i>	+3.9	6	79	+6.8	1,211	+3
California.....	<i>15 65</i>	<i>5,221</i>	- (1)	<i>95,772</i>	+1					
Colorado.....	34	1,264	+5	17,206	+3.2	17	263	+8.7	5,009	+14.5
Connecticut.....	41	1,618	+2.3	27,159	+3.7	16	334	+2.1	7,271	+3.0
Delaware.....	4	299	+2.0	5,098	+3.3					
District of Columbia.....	21	2,923	+5.4	46,149	+6.2	4	104	+7.2	2,173	+8.3
Florida.....	21	981	-13.3	10,060	-15.9	19	180	-5.8	2,601	-4.0
Georgia.....	29	2,467	+4	27,405	+5	12	200	+2.6	2,762	+5.2
Idaho.....	18	339	+1.2	4,968	+7					
Illinois.....	<i>15 82</i>	<i>3,513</i>	+1.9	<i>69,419</i>	+5.7					
Indiana.....	45	2,034	+3.7	29,703	+6.0	37	595	+5.9	10,119	+6.8
Iowa.....	35	1,440	+5.4	20,903	+7.4	11	183	+5.2	3,222	+6.3
Kansas.....	<i>15 43</i>	<i>922</i>	+2.9	<i>12,666</i>	+4.4					
Kentucky.....	39	1,873	+1.8	23,767	+1.8	10	304	+4.1	4,844	+7.8
Louisiana.....	8	523	+5.4	5,613	+8.5	7	95	+1.1	1,472	+6.9
Maine.....	26	562	+4.1	8,020	+1.3	6	170	+11.1	3,171	+8.2
Maryland.....	<i>25</i>	<i>1,867</i>	-2	<i>29,394</i>	+5.7	<i>12</i>	<i>224</i>	+8.2	<i>3,861</i>	+1.4
Massachusetts.....	<i>124</i>	<i>5,219</i>	+2.8	<i>86,542</i>	+2.2	<i>78</i>	<i>2,153</i>	+4.3	<i>41,505</i>	+4.7
Michigan.....	66	3,242	+4.4	49,630	+7.0	28	1,058	+8.2	23,857	+10.4
Minnesota.....	42	1,893	+4.9	31,382	+9.8	18	591	+5.9	10,786	+7.5
Mississippi.....	8	366	+4.6	4,026	+8.6	10	124	+5.1	1,808	+12.2
Missouri.....	54	3,117	+1.7	42,581	+2.7	32	882	+8.4	16,105	+12.1
Montana.....	15	364	+8	6,054	+2	6	42	(10)	878	+7.6
Nebraska.....	15	985	+11.0	14,446	+12.8	16	353	+11.4	6,318	+15.5
Nevada.....	3	37	+2.8	652	-1.7					
New Hampshire.....	22	345	-6	5,096	+1.6	3	48	-9.4	829	(10)
New Jersey.....	48	4,745	+1.9	88,082	+3.6	12	187	+2.7	4,046	+4.2
New Mexico.....	6	221	+1.4	3,199	+2.3					
New York.....	75	6,902	+2.4	121,157	+11.0	17	588	+3.2	11,820	-1.2
North Carolina.....	12	684	+9	7,563	+1.7	11	147	+8.9	1,906	+13.5
North Dakota.....	11	221	+7.8	3,279	+7.9	4	39	+8.3	623	+9.1
Ohio.....	75	3,989	+1.8	65,181	+2.4	81	2,468	+7.4	47,415	+10.6
Oklahoma.....	21	924	+3.6	11,766	+5.2	15	245	+2.1	3,339	+9
Oregon.....	13	384	-1	5,849	+6	5	65	(10)	1,204	-5.9
Pennsylvania.....	42	2,877	+2.5	45,503	+3.9	41	1,861	+3.9	37,152	+5.4
Rhode Island.....	22	1,115	+1.3	19,086	+2.4	6	421	+9.4	7,303	+1.9
South Carolina.....	8	392	+2.1	3,860	-4.1	12	106	+6.0	1,349	+6.8
South Dakota.....	8	135	-1.5	1,731	+2.0	3	40	+21.2	733	+10.4
Tennessee.....	15	1,426	+3.2	14,331	+5.4	13	212	+6.5	2,696	+10.4
Texas.....	23	1,429	+3.0	17,875	+2.5	21	568	+3.8	9,834	+3.8
Utah.....	11	633	+8	9,145	+1	12	152	+4.1	2,724	-3
Vermont.....	10	201	+6.9	2,565	+8.1	5	78	+1.3	1,111	+2.0
Virginia.....	22	1,002	+2.6	11,893	+2.8	38	526	+7.8	8,283	+15.0
Washington.....	16	614	(10)	10,784	- (1)	12	189	+2.2	3,725	+1
West Virginia.....	18	713	+1.0	10,160	+4.2	11	288	+3.2	4,545	+10.0
Wisconsin.....	<i>15 28</i>	<i>1,019</i>	+4.3	<i>14,315</i>	+7.3					
Wyoming.....	7	136	+3.0	2,438	+4.1	4	28	+3.7	545	+12.6

¹ Less than 1/10 of 1 percent.

¹⁰ No change.

¹² Includes dyeing and cleaning.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS
IN APRIL AND MAY 1934, 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]

State	Banks, brokerage, insurance, and real estate				
	Number of establishments	Number on pay roll, May 1934	Percentage change from April 1934	Amount of pay roll (1 week), May 1934	Percentage change from April 1934
Alabama	27	534	+1.3	\$15,253	+3.3
Arizona	28	219	-5.5	5,880	-1.6
Arkansas	20	244	-8.8	5,766	-1.9
California	1,163	23,187	-2.2	761,737	-6.6
Colorado	36	1,408	+6.6	45,521	+8.8
Connecticut	68	1,980	(¹⁰)	70,188	-6.6
Delaware	15	501	(¹⁰)	17,451	+1.3
District of Columbia	37	1,342	+1.1	49,172	+9.9
Florida	19	618	-2.5	21,412	-8.8
Georgia	46	1,303	+1.4	37,689	+6.6
Idaho	17	154	+7.7	3,788	-7.7
Illinois	96	11,045	+5.5	391,095	+ ⁽¹⁾
Indiana	51	1,368	+2.1	44,901	+1.9
Iowa	19	989	-6.6	81,225	+2.4
Kansas	¹⁶ 40	880	+2.2	27,440	+5.4
Kentucky	21	867	+6.6	29,263	-4.0
Louisiana	13	376	(¹⁰)	13,945	-3.0
Maine	18	272	+7.7	7,261	+4.2
Maryland	31	1,167	+3.5	40,696	+5.2
Massachusetts	¹⁶ 24	7,643	+4.4	224,956	-1.3
Michigan	128	4,844	+2.0	152,386	+1.3
Minnesota	55	4,545	+3.1	128,081	-3.4
Mississippi	17	207	-1.0	4,411	-1.0
Missouri	155	5,987	+1.1	165,620	+1.5
Montana	22	246	+4.4	6,964	+1.1
Nebraska	21	583	+5.5	20,144	+2.7
Nevada					
New Hampshire	39	473	-6.6	13,985	+7.2
New Jersey	130	12,961	+4.4	369,840	-1.2
New Mexico	17	123	(¹⁰)	3,427	+4.0
New York	826	57,349	-4.4	2,053,219	+1.5
North Carolina	26	594	(¹⁰)	15,336	-5.5
North Dakota	37	266	+4.4	6,319	+2.2
Ohio	298	8,247	+2.2	273,120	-1.3
Oklahoma	30	685	+6.6	21,039	+1.8
Oregon	15	752	(¹⁰)	26,332	+2.2
Pennsylvania	757	24,213	+4.4	749,975	+6.6
Rhode Island	34	1,116	+1.1	46,797	-2.4
South Carolina	11	114	-3.4	3,133	-2.3
South Dakota	32	240	+8.8	5,953	+1.1
Tennessee	40	1,182	-1.2	37,577	-5.8
Texas	27	1,460	+3.3	40,912	+3.3
Utah	23	574	+7.7	19,656	+3.3
Vermont	30	226	-1.7	6,588	-1.1
Virginia	50	1,487	-1.1	48,121	-1.1
Washington	51	1,763	+6.6	56,106	+1.3
West Virginia	43	648	(¹⁰)	18,997	-4.4
Wisconsin	18	931	-3.3	32,365	-1.4
Wyoming	13	112	+1.8	3,296	+1.1

¹ Less than 1/10 of 1 percent.

¹⁰ No change.

¹⁶ Does not include brokerage and real estate.

Employment and Pay Rolls in May 1934 in Cities of Over 500,000 Population

FLUCTUATIONS in employment and pay-roll totals in May 1934 as compared with April 1934 in 13 cities of the United States having a population of 500,000 or over are presented in the following table. These changes are computed from reports received from identical establishments in each of the months considered.

In addition to reports received from establishments in the several industrial groups regularly covered in the survey of the Bureau, excluding building construction, reports have also been secured from other establishments in these cities for inclusion in these totals. Information concerning employment in building construction is not available for all cities at this time and therefore has not been included.

FLUCTUATIONS IN EMPLOYMENT AND PAY ROLLS IN MAY 1934 AS COMPARED WITH APRIL 1934

Cities	Number of establishments reporting in both months	Number on pay roll		Percentage change from April 1934	Amount of pay roll (1 week)		Percentage change from April 1934
		April 1934	May 1934		April 1934	May 1934	
New York City.....	5,599	461,480	459,814	-0.4	12,104,141	12,180,139	+0.6
Chicago, Ill.....	2,029	248,125	252,841	+1.9	5,813,605	6,067,615	+4.4
Philadelphia, Pa.....	967	171,941	167,275	-2.7	3,879,487	3,758,587	-3.1
Detroit, Mich.....	1,249	305,148	313,227	+2.6	8,105,623	8,118,474	+.
Los Angeles, Calif.....	1,045	86,090	85,304	-.9	2,021,551	1,975,128	-2.3
Cleveland, Ohio.....	1,275	120,249	123,852	+3.0	2,793,813	2,840,782	+1.7
St. Louis, Mo.....	873	94,861	93,574	-1.4	1,987,848	1,933,668	-2.7
Baltimore, Md.....	751	77,314	77,385	+.	1,678,427	1,613,124	+2.2
Boston, Mass.....	3,543	140,419	139,591	-.6	3,250,271	3,220,518	-.9
Pittsburgh, Pa.....	518	103,806	106,287	+2.4	2,251,024	2,387,434	+6.1
San Francisco, Calif.....	1,310	65,897	65,899	+0	1,589,580	1,594,074	+.
Buffalo, N. Y.....	473	58,442	58,373	-.1	1,342,791	1,365,851	+1.7
Milwaukee, Wis.....	539	51,596	53,156	+3.0	1,086,601	1,137,067	+4.6

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

Employment and Pay Rolls in the Federal Service, May 1934

EMPLOYMENT in the executive departments of the United States Government increased by 14,978, comparing May with April 1934. Comparing May with the corresponding month of the previous year there was an increase of 82,282 employees or 14.3 percent.

The data concerning employment in the executive departments is collected by the United States Civil Service Commission from the various departments and offices of the United States Government. The figures are tabulated by the Bureau of Labor Statistics.

Table 1 shows the number of employees in the executive departments of the Federal Government. Employment information for the District of Columbia is shown separately. Approximately 13 percent of the employees in the executive branches of the United States Government work in the city of Washington.

TABLE I.—EMPLOYEES IN THE EXECUTIVE SERVICE OF THE UNITED STATES, MAY 1933 AND APRIL 1934 AND MAY 1934

Item	District of Columbia			Outside the District			Entire service		
	Perma- nent	Tempo- rary ¹	Total	Perma- nent	Tempo- rary ¹	Total	Perma- nent	Tempo- rary ¹	Total
Number of employees:									
May 1933.....	64,249	2,319	66,568	472,057	38,179	510,236	536,306	40,498	576,804
April 1934.....	75,512	8,338	83,850	488,362	71,896	560,258	563,874	80,234	644,108
May 1934.....	77,483	8,456	85,939	492,659	80,488	573,147	570,142	88,944	659,086
Gain or loss:									
May 1933-May 1934.....	+13,234	+6,137	+19,371	+20,602	+42,309	+62,911	+33,836	+48,446	+82,282
April 1934-May 1934.....	+1,971	+118	+2,089	+4,297	+8,592	+12,889	+6,268	+8,710	+14,978
Percent of change:									
May 1933-May 1934.....	+20.6	+264.6	+29.1	+4.4	+110.8	+12.3	+6.3	+119.6	+14.3
April 1934-May 1934.....	+2.6	+1.4	+2.5	+0.9	+12.0	+2.3	+1.1	+10.9	+2.3
Labor turn-over, May 1934:									
Additions ²	2,507	1,853	4,360	10,330	32,259	42,589	12,837	34,112	46,949
Separations ²	1,006	1,407	2,413	6,030	23,670	29,700	7,036	25,077	32,113
Turn-over rate per 100.....	1.32	16.76	2.84	1.2	31.07	5.24	1.24	29.65	4.93

¹ Not including field employees of the Post Office Department.

² Not including employees transferred within the Government service, as such transfers should not be regarded as labor turn-over, or 142 employees not previously reported but not regarded as additions.

There were nearly 86,000 employees on the pay rolls of the executive departments in the city of Washington for the month ending May 31, 1934. This is an increase of nearly 30 percent as compared with the corresponding month of 1933. The number of permanent employees increased nearly 21 percent over this period, while the number of temporary employees was more than 3½ times as great in May 1934 as during May of the previous year.

Comparing May with April 1934, there was an increase of 2.6 percent in the number of permanent employees and an increase of 1.4 percent in the number of temporary employees, making a net increase of 2.5 percent in total employment in the executive service.

The May turn-over rate for employees in the executive departments in the District of Columbia was 2.84. The monthly turn-over rate for permanent employees was only 1.32. In contrast, the turn-over rate for temporary employees was 16.76.

Employment in the executive departments outside of the Capital City increased 12.3 percent comparing May 1934 with the same month of the previous year. Comparing May with April, there was an increase of 2.3 percent in total employment outside of the District of Columbia.

Table 2 shows the employment in the executive departments of the United States Government, by months—January through May.

TABLE 2.—EMPLOYMENT IN THE EXECUTIVE DEPARTMENTS OF THE UNITED STATES, BY MONTHS, 1934, FOR DISTRICT OF COLUMBIA, OUTSIDE DISTRICT OF COLUMBIA, AND TOTALS

Month	District of Columbia	Outside District of Columbia	Total
January.....	78, 045	¹ 530, 094	¹ 608, 139
February.....	79, 913	¹ 531, 839	¹ 611, 752
March.....	81, 569	541, 990	623, 559
April.....	83, 850	560, 258	644, 108
May.....	85, 939	573, 147	659, 086

¹ Revised.

There has been an increase of nearly 8,000 employees in the executive service of the Federal Government in Washington, D.C., since January 1934. The number of employees outside of the District has increased 43,053 over this period, while total employment in the executive service has increased 50,947.

Table 3 shows the number of employees and amount of pay rolls in the various branches of the United States Government during April and May 1934.

TABLE 3.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS IN THE VARIOUS BRANCHES OF THE UNITED STATES GOVERNMENT, APRIL AND MAY 1934

Branch of service	Number of employees		Amount of pay roll	
	April	May	April	May
Executive service.....	644, 108	659, 086	\$85, 090, 283	\$89, 577, 479
Military service.....	266, 923	266, 864	18, 816, 636	19, 216, 150
Judicial service.....	1, 904	1, 913	432, 401	442, 896
Legislative service.....	3, 865	3, 862	926, 484	940, 666
Total.....	916, 800	931, 725	¹ 105, 265, 804	110, 177, 191

¹ Revised.

There were slight decreases in the number of employees in the military and legislative branches of the Federal Government, comparing May with April. There were increases, however, in the executive and judicial services.

Table 4 shows the number of employees and amounts of pay rolls for all branches of the United States Government for the months of December 1933 to May 1934, inclusive.

TABLE 4.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS FOR ALL BRANCHES OF THE UNITED STATES GOVERNMENT BY MONTHS, DECEMBER 1933 THROUGH MAY 1934

Month	Executive service		Military service		Judicial service		Legislative service	
	Number of employees	Amount of pay roll	Number of employees	Amount of pay roll	Number of employees	Amount of pay roll	Number of employees	Amount of pay roll
December 1933	608, 670	\$82, 011, 601	263, 622	\$17, 656, 909	1, 872	\$432, 435	3, 864	\$886, 781
January 1934	608, 139	77, 450, 498	262, 942	18, 499, 516	1, 780	417, 000	3, 845	871, 753
February	611, 752	83, 524, 296	263, 464	19, 532, 832	1, 742	430, 843	3, 852	926, 363
March	623, 559	84, 837, 493	266, 285	19, 050, 158	1, 854	443, 505	3, 867	928, 368
April	644, 108	85, 090, 283	266, 923	18, 816, 636	1, 904	432, 401	3, 865	926, 484
May	659, 086	89, 577, 479	266, 864	19, 216, 150	1, 913	442, 896	3, 862	940, 666

¹ Revised.

Employment on Class I Steam Railroads in the United States

REPORTS of the Interstate Commerce Commission for class I railroads show that the number of employees, exclusive of executives and officials, increased from 1,004,950 on April 15, 1934, to 1,030,989 (preliminary) on May 15, 1934, or 2.6 percent. Data are not yet available concerning total compensation of employees for May 1934. The latest pay-roll information available shows a decrease from \$123,221,345 in March 1934 to \$118,345,337 in April 1934, or 4 percent.

The monthly trend of employment from January 1923 to May 1934 on class I railroads—that is, all roads having operating revenues of \$1,000,000 or over—is shown by index numbers published in the table following. These index numbers, constructed by the Interstate Commerce Commission, are based on the 3-year average, 1923–25 as 100.

TABLE 1.—INDEXES OF EMPLOYMENT ON CLASS I STEAM RAILROADS IN THE UNITED STATES, JANUARY 1923 TO MAY 1934

[3-year average 1923–25=100]

Month	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
January	98.4	96.7	95.5	95.6	95.2	89.1	88.0	86.1	73.5	61.1	53.0	54.1
February	98.6	96.9	95.3	95.8	95.0	88.7	88.6	85.2	72.6	60.2	52.7	54.6
March	100.4	97.3	95.1	96.5	95.6	89.7	89.8	85.3	72.7	60.5	51.5	55.9
April	101.9	98.8	96.5	98.6	97.1	91.5	91.9	86.7	73.4	59.9	51.8	56.6
May	104.8	99.1	97.7	100.0	99.1	94.4	94.6	88.3	73.8	59.6	52.5	58.4
June	107.1	97.9	98.5	101.3	100.7	95.8	95.8	86.3	72.7	57.7	53.6	-----
July	106.2	98.0	99.3	102.6	100.7	95.4	96.3	84.5	72.3	56.3	55.4	-----
August	109.2	98.9	99.5	102.4	99.2	95.5	97.1	83.5	71.0	54.9	56.8	-----
September	107.7	99.6	99.7	102.5	98.8	95.1	96.5	82.0	69.2	55.7	57.7	-----
October	107.1	100.7	100.4	103.1	98.5	95.2	96.6	80.2	67.5	56.9	57.4	-----
November	105.0	98.9	98.9	101.0	95.5	92.7	92.8	76.9	64.4	55.8	55.8	-----
December	99.1	96.0	96.9	98.0	91.7	89.5	88.5	74.8	62.5	54.7	54.0	-----
Average	104.0	98.2	97.8	99.8	97.3	92.7	93.1	83.3	70.6	57.8	54.4	255.9

¹ Preliminary.

² Average for 5 months.

Source: Interstate Commerce Commission.

Wage-Rate Changes in American Industries

Manufacturing Industries

THE following table presents information concerning wage-rate adjustments occurring between April 15 and May 15, 1934, as shown by reports received from 22,718 manufacturing establishments employing 3,812,160 workers in May.

Five hundred and seventeen of these establishments reported wage-rate increases between April 15 and May 15 which averaged 7.3 percent and affected 107,411 workers. Four establishments reported wage-rate decreases averaging 11.4 percent and affecting 136 employees.

Eight establishments in the rayon and allied products industry reported wage-rate increases averaging 4.2 percent and affecting 18,454 employees. Wage-rate increases reported by 25 establishments in the automobile industry averaged 4 percent and affected 16,151 wage earners. In the radios and phonographs industry, 7,002 wage earners were affected by wage-rate increases which averaged 10 percent, and in the electrical machinery, apparatus, and supplies industry, 6,096 workers received wage-rate increases averaging 9.8 percent.

Other industries in which substantial numbers of employees received wage-rate increases over the month interval, together with the number affected and the average percent of increase were: Foundries and machine-shop products, 4,339 employees, 9.8 percent; structural and ornamental metal work, 4,241 employees, 8.7 percent; textile machinery and parts, 3,846 employees, 10 percent; silverware and plated ware, 3,427 employees, 10 percent; smelting and refining, 2,900 employees, 10 percent; engines, turbines, tractors, and water wheels, 2,038 employees, 7.6 percent; and clocks, watches, and time-recording devices, 2,134 employees, 7 percent.

Late reports received from 7 establishments in the blast furnaces, steel works, and rolling mills industry show an additional 44,000 workers in this industry receiving wage-rate increases between March 15 and April 15, averaging 10 percent. These late reports, added to totals affected in this industry in the current and previous months' tabulation of wage-rate increases, bring the total number of employees receiving wage-rate increases in this industry to 180,000.

The combined total of the Bureau's April and May tabulations of factory wage-rate changes shows over 1,200 manufacturing establishments reporting wage-rate changes during the period March 15 to May 15. The wage-rate changes reported averaged 9.3 percent and affected more than 525,000 wage earners. This total by no means indicates all wage changes occurring in manufacturing industries of the country, as the firms supplying pay-roll data each month for use in the Bureau's survey employ only slightly more than 50 percent of the total factory wage earners of the country.

TABLE 1.—WAGE RATE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING MAY 15, 1934

Industry	Estab-lish-ments report-ing	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage rate changes	Wage rate in-creases	Wage rate de-creases	No wage rate changes	Wage rate in-creases	Wage rate de-creases
All manufacturing industries.....	22,718	3,812,160	22,197	517	4	3,704,613	107,411	136
Percent of total.....	100.0	100.0	97.7	2.3	(1)	97.2	2.8	(1)
Iron and steel and their products, not including machinery:								
Blast furnaces, steel works, and rolling mills.....	217	283,847	212	5		281,298	2,549	
Bolts, nuts, washers, and rivets.....	58	10,292	57	1		10,286	6	
Cast-iron pipe.....	36	5,425	35	1		5,345	80	
Cutlery (not including silver and plated cutlery) and edge tools.....	170	13,755	166	4		12,921	834	
Forgings, iron and steel.....	95	11,280	91	4		10,802	478	
Hardware.....	110	37,786	109	1		37,709	77	
Plumbers' supplies.....	82	8,197	81	1		8,137	60	
Steam and hot water heating apparatus and steam fittings.....	87	20,360	83	4		19,350	1,010	
Stoves.....	216	28,434	205	11		27,158	1,276	
Structural and ornamental metal work.....	200	18,335	178	22		14,094	4,241	
Tin cans and other tinware.....	66	11,531	64	2		11,473	58	
Tools (not including edge tools, machine tools, files, and saws).....	141	10,484	135	6		10,090	394	
Wirework.....	107	11,070	103	4		10,931	139	
Machinery, not including transportation equipment:								
Agricultural implements.....	79	13,677	76	3		13,120	557	
Cash registers, adding machines, and calculating machines.....	30	16,577	30			16,577		
Electrical machinery, apparatus, and supplies.....	399	122,797	378	21		116,701	6,096	
Engines, turbines, tractors, and water wheels.....	107	28,007	101	6		25,969	2,038	
Foundry and machine-shop products.....	1,484	158,483	1,445	38	1	154,093	4,339	51
Machine tools.....	180	21,364	170	10		20,462	902	
Radios and phonographs.....	41	33,532	33	8		26,530	7,002	
Textile machinery and parts.....	90	15,843	86	4		11,997	3,846	
Typewriters and parts.....	11	11,218	11			11,218		
Transportation equipment:								
Aircraft.....	24	8,332	21	3		8,080	252	
Automobiles.....	307	373,975	282	25		357,824	16,151	
Cars, electric and steam-railroad.....	52	15,231	51	1		15,023	208	
Locomotives.....	10	3,694	10			3,694		
Shipbuilding.....	113	34,660	107	6		33,442	1,218	
Railroad repair shops:								
Electric railroad.....	373	19,077	359	14		17,687	1,390	
Steam railroad.....	551	77,347	551			77,347		
Nonferrous metals and their products:								
Aluminum manufactures.....	27	6,836	27			6,836		
Brass, bronze, and copper products.....	205	42,239	195	10		40,849	1,390	
Clocks and watches and time-recording devices.....	30	10,774	29	1		8,640	2,134	
Jewelry.....	190	10,016	183	7		9,788	228	
Lighting equipment.....	64	3,890	64			3,890		
Silverware and plated ware.....	63	9,611	51	12		6,184	3,427	
Smelting and refining—copper, lead, and zinc.....	41	14,238	36	5		11,338	2,900	
Stamped and enameled ware.....	164	26,512	152	12		25,165	1,347	
Lumber and allied products:								
Furniture.....	594	55,862	589	5		55,143	719	
Lumber:								
Millwork.....	682	31,554	666	16		30,458	1,096	
Sawmills.....	806	98,624	795	11		97,971	653	
Turpentine and rosin.....	38	2,775	37	1		2,331	444	

(1) Less than 1/10 of 1 percent.

TABLE 1.—WAGE RATE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING MAY 15, 1934—Continued

Industry	Estab-lish-ments report-ing	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage rate changes	Wage rate in-creases	Wage rate de-creases	No wage rate changes	Wage rate in-creases	Wage rate de-creases
Stone, clay, and glass products:								
Brick, tile, and terra cotta.....	639	22,736	632	7		21,763	973	
Cement.....	122	17,593	115	7		16,372	1,221	
Glass.....	181	54,673	178	3		54,379	303	
Marble, granite, slate, and other products.....	273	6,152	270	3		6,094	58	
Pottery.....	132	21,649	121	11		21,329	320	
Textiles and their products:								
Fabrics:								
Carpets and rugs.....	33	17,261	33			17,261		
Cotton goods.....	723	334,412	720	3		334,135	277	
Cotton small wares.....	117	11,648	117			11,648		
Dyeing and finishing tex-tiles.....	183	47,292	181	2		46,998	294	
Hats, fur-felt.....	44	8,295	41	3		7,986	309	
Knit goods.....	501	128,180	499	2		128,162	18	
Silk and rayon goods.....	303	49,897	303			49,897		
Woolen and worsted goods.....	299	81,592	297	2		81,288	304	
Wearing apparel:								
Clothing, men's.....	564	77,616	559	4	1	76,353	1,261	2
Clothing, women's.....	725	43,122	722	3		43,068	54	
Corsets and allied gar-ments.....	32	5,958	32			5,958		
Men's furnishings.....	94	9,960	93	1		9,948	12	
Millinery.....	134	8,368	133	1		8,350	18	
Shirts and collars.....	150	23,544	148	2		23,479	65	
Leather and its manufactures:								
Boots and shoes.....	355	124,025	353	2		123,792	233	
Leather.....	172	34,597	169	3		33,579	718	
Food and kindred products:								
Baking.....	1,003	71,024	992	16		68,757	2,267	
Beverages.....	528	31,239	519	9		30,775	464	
Butter.....	301	5,225	300	1		5,223	2	
Canning and preserving.....	762	44,307	756	6		44,212	95	
Confectionery.....	330	32,567	330			32,567		
Flour.....	465	17,133	461	4		16,976	157	
Ice cream.....	358	12,649	353	5		12,431	218	
Slaughtering and meat pack-ing.....	290	107,591	287	3		107,500	91	
Sugar, beet.....	58	4,080	58			4,080		
Sugar refining, cane.....	13	8,703	13			8,703		
Tobacco manufactures:								
Chewing and smoking tobac-co and snuff.....	40	10,077	40			10,077		
Cigars and cigarettes.....	237	47,268	235	1	1	47,176	12	80
Paper and printing:								
Boxes, paper.....	406	29,845	396	10		29,331	514	
Paper and pulp.....	461	112,571	455	6		109,848	2,723	
Printing and publishing:								
Book and job.....	1,391	60,853	1,334	57		59,538	1,315	
Newspapers and periodicals.....	581	61,392	569	12		60,957	435	
Chemicals and allied products:								
Chemicals.....	117	29,712	114	2	1	29,429	280	3
Cottonseed—oil, cake, and meal.....	113	2,915	113			2,915		
Druggists' preparations.....	77	9,281	77			9,281		
Explosives.....	33	4,890	33			4,890		
Fertilizers.....	187	11,198	186	1		11,135	63	
Paints and varnishes.....	377	20,140	363	14		18,864	1,276	
Petroleum refining.....	155	53,211	141	14		50,859	2,352	
Rayon and allied products.....	29	40,236	21	8		21,762	18,454	
Soap.....	116	16,659	115	1		16,654	5	
Rubber products:								
Rubber boots and shoes.....	7	10,249	7			10,249		
Rubber goods, other than boots, shoes, tires, and inner tubes.....	124	29,675	121	3		28,964	711	
Rubber tires and inner tubes.....	38	61,359	38			61,359		

Nonmanufacturing Industries

DATA concerning wage-rate changes occurring between April 15 and May 15, 1934, reported by cooperating establishments in 14 nonmanufacturing industries, are presented in table 2.

Anthracite mining, telephone and telegraph, and crude-petroleum producing were the only industries in which no wage-rate changes were reported. Nineteen establishments in the electric light and power and manufactured-gas industry reported wage-rate increases averaging 4.7 percent and affecting 34,440 employees. Thirty-five establishments in the bituminous-coal mining industry reported increases averaging 21.9 percent and affecting 8,574 employees. Fourteen establishments in the electric-railroad and motor-bus operation and maintenance industry reported increases averaging 6.7 percent and affecting 4,676 workers, 25 establishments in the quarrying and nonmetallic mining industry reported increases averaging 12 percent and affecting 2,495 employees, and 5 metalliferous mines gave an average increase of 11.7 percent to 2,190 workers. Seven retail trade establishments reported an average increase of 10 percent to 1,017 employees, and the increases in the remaining industries affected 727 or fewer employees each.

Decreases in wage-rates reported were negligible.

TABLE 2.—WAGE-RATE CHANGES IN NONMANUFACTURING INDUSTRIES DURING MONTH ENDING MAY 15, 1934

Industrial group	Estab- lish- ments report- ing	Total number of em- ployees	Number of establish- ments reporting—			Number of employees having—		
			No wage rate changes	Wage- rate in- creases	Wage- rate de- creases	No wage rate changes	Wage- rate in- creases	Wage- rate de- creases
Anthracite mining	160	88,574	160			88,574		
Percent of total	100.0	100.0	100.0			100.0		
Bituminous-coal mining	1,434	230,978	1,399	35		222,404	8,574	
Percent of total	100.0	100.0	97.6	2.4		96.3	3.7	
Metalliferous mining	291	27,938	286	5		25,748	2,190	
Percent of total	100.0	100.0	98.3	1.7		92.2	7.8	
Quarrying and nonmetallic mining	1,148	36,111	1,123	25		33,616	2,495	
Percent of total	100.0	100.0	97.8	2.2		93.1	6.9	
Crude-petroleum producing	253	28,785	253			28,785		
Percent of total	100.0	100.0	100.0			100.0		
Telephone and telegraph	7,999	261,535	7,999			261,535		
Percent of total	100.0	100.0	100.0			100.0		
Electric light and power and manu- factured gas	2,802	226,446	2,783	19		192,006	34,440	
Percent of total	100.0	100.0	99.3	0.7		84.8	15.2	
Electric-railroad and motor-bus op- eration and maintenance	534	129,502	520	14		124,826	4,676	
Percent of total	100.0	100.0	97.4	2.6		96.4	3.6	
Wholesale trade	2,880	83,209	2,863	17		82,912	297	
Percent of total	100.0	100.0	99.4	0.6		99.6	0.4	
Retail trade	18,879	434,080	18,872	7		433,063	1,017	
Percent of total	100.0	100.0	100.0	(¹)		99.8	0.2	
Hotels	2,753	147,159	2,742	8	3	146,810	343	6
Percent of total	100.0	100.0	99.6	0.3	0.1	99.8	0.2	(¹)
Laundries	1,385	74,458	1,373	12		73,876	582	
Percent of total	100.0	100.0	99.1	0.9		99.2	0.8	
Dyeing and cleaning	708	18,191	706	2		18,147	44	
Percent of total	100.0	100.0	99.7	0.3		99.8	0.2	
Banks, brokerage, insurance, and real estate	4,883	188,126	4,856	22	5	187,389	727	10
Percent of total	100.0	100.0	99.4	0.5	0.1	99.6	0.4	(¹)

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

Employment Created by the Public Works Fund, May 1934

DURING the month ending May 15 there were nearly 490,000 people working on construction projects financed either wholly or in part from the Public Works Fund. This is an increase of nearly 120,000 as compared with April. These workers drew over \$24,500,000 for their month's work.

Employment on Construction Projects, by Type of Project.

TABLE 1 shows, by type of project, employment, pay rolls, and man-hours worked during the month of May 1934¹ on Federal projects financed from Public Works funds.

TABLE 1.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON FEDERAL PROJECTS FINANCED FROM PUBLIC WORKS FUNDS DURING MAY 1934, BY TYPE OF PROJECT

[Subject to revision]

Type of project	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Building construction.....	32,717	\$1,824,816	2,608,639	\$0.700	\$3,163,451
Public roads.....	261,671	10,931,649	22,156,138	.493	17,000,000
River, harbor, and flood control.....	41,173	2,484,871	4,123,890	.603	3,874,953
Streets and roads ¹	12,415	524,852	1,069,731	.491	463,144
Naval vessels.....	11,629	1,250,726	1,521,743	.822	2,161,050
Reclamation.....	13,545	1,467,058	2,339,239	.627	2,221,526
Forestry.....	20,837	1,033,464	2,016,298	.513	518,702
Water and sewerage.....	1,502	79,049	118,999	.664	59,771
Miscellaneous.....	11,129	836,086	1,416,607	.590	1,068,535
Total.....	406,618	20,432,571	37,371,284	.547	30,531,132

¹ Other than those reported by the Bureau of Public Roads.

Federal projects are financed from allotments made by the Public Works Administration to the various Federal departments. The construction work is performed either by commercial firms to whom a contract is awarded or by day labor hired directly by the Federal agency.

During the month of May nearly 407,000 men were employed on Federal construction projects. Nearly 65 percent of these workers were engaged in the building of public roads. Over 40,000 were working on river, harbor, and flood-control work and over 30,000 on building construction. Pay rolls for the month's work totaled nearly \$20,500,000, with road building accounting for nearly \$11,000,000. The average hourly earnings for workers on Federal projects were 55 cents. The workers on naval vessels averaged over 82 cents and those on building construction work averaged 70 cents. The only type of work showing hourly earnings of less than 50 cents was road work and street paving.

Material orders valued at over \$30,000,000 were placed by contractors and Government agencies doing force-account work.

¹ Whenever the phrase "during the month of May" is used in this article the month ending May 15 is meant.

Table 2 shows employment, pay rolls, and man-hours of work during May 1934 on non-Federal projects financed from Public Works funds, by type of project.

TABLE 2.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON NON-FEDERAL PROJECTS FINANCED FROM PUBLIC WORKS FUNDS DURING MAY 1934, BY TYPE OF PROJECT

[Subject to revision]

Type of project	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Building construction.....	13, 978	\$841, 608	1, 040, 062	\$0. 809	\$1, 751, 513
Streets and roads.....	9, 741	413, 660	669, 237	. 618	456, 021
Water and sewerage.....	13, 076	608, 211	910, 758	. 668	2, 213, 296
Railroad construction.....	21, 598	767, 351	1, 610, 625	. 476	5, 440, 890
Miscellaneous.....	613	33, 694	53, 036	. 635	134, 234
Total.....	59, 006	2, 664, 524	4, 283, 718	. 622	9, 995, 954

Non-Federal projects are financed by allotments made from the Public Works Fund to a State or political subdivision thereof or, in some cases, to commercial firms. In the case of allotments to States, the Public Works Administration makes a direct grant of 30 percent of the total cost while the public agency finances the other 70 percent. In many cases this 70 percent is financed by a loan made by the Public Works Administration. This loan bears interest and must be repaid within a given period.

Funds allotted to commercial firms are wholly loans. Practically all of the commercial allotments have been to railroads. Railroad work falls under two classifications—first, construction such as electrification, laying of rails and ties, repairs to railroad buildings, etc.; second, the building or repairing of locomotives and passenger and freight cars in railroad shops.

Data concerning railroad construction employment is shown in table 2. Employment in railroad shops is shown in table 5, page 39.

There were over 59,000 workers engaged on non-Federal construction projects during May, but over one-third of these were working on railroad construction. Building construction employed the next largest number of men.

The monthly pay of these workers totaled over \$2,500,000. They drew over 62 cents per hour. Workers in the building trades drew over 80 cents per hour, while railroad construction workers drew about 48 cents.

Material orders were placed to cost nearly \$10,000,000.

Employment on Construction Projects, by Geographic Divisions

TABLE 3 shows employment, pay rolls, and man-hours worked during May 1934 on Federal projects financed from Public Works funds, by geographic divisions.

TABLE 3.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON FEDERAL PROJECTS FINANCED FROM PUBLIC WORKS FUNDS DURING MAY 1934, BY GEOGRAPHIC DIVISIONS

[Subject to revision]

Geographic division	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Number employed	Weekly average				
New England.....	18,450	17,876	\$1,173,843	1,845,476	\$.636	\$926,678
Middle Atlantic.....	36,203	34,987	1,859,893	3,256,437	.571	1,134,531
East North Central.....	47,489	46,167	2,375,393	3,843,962	.618	895,658
West North Central.....	63,864	61,902	2,676,109	5,262,776	.508	1,422,683
South Atlantic.....	58,982	56,247	2,848,682	5,509,227	.508	3,238,402
East South Central.....	38,143	37,331	1,845,906	4,010,885	.460	2,276,764
West South Central.....	57,047	54,336	2,072,884	4,872,677	.453	1,317,700
Mountain.....	47,014	46,155	3,159,248	5,240,014	.603	1,004,063
Pacific.....	31,190	29,909	2,120,132	3,010,829	.704	953,599
Total continental United States.....	398,382	384,910	20,132,090	36,652,283	.549	130,170,078
Outside continental United States.....	8,236	7,492	300,481	719,001	.418	361,054
Grand total.....	406,618	392,402	20,432,571	37,371,284	.547	30,531,132

¹ Includes \$17,000,000 estimated value of material orders placed for public-roads projects which cannot be charged to any specific geographic division.

More than 60,000 people were working on Federal construction projects in the West North Central States during May and over 50,000 in both the South Atlantic and the West South Central States. The Pacific States showed the highest average earnings per hour (70 cents); the lowest hourly earnings (45 cents) were earned by workers in the West South Central States. The East South Central and the West South Central were the only geographic divisions where the workers earned less than 50 cents per hour.

Table 4 shows employment, pay rolls, and man-hours worked during May 1934 on non-Federal projects financed from Public Works funds, by geographic divisions.

TABLE 4.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON NON-FEDERAL PROJECTS FINANCED FROM PUBLIC-WORKS FUNDS DURING MAY 1934, BY GEOGRAPHIC DIVISIONS

[Subject to revision]

Geographic division	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Number employed	Weekly average				
New England.....	5,479	4,206	\$246,925	404,863	\$.610	\$1,748,211
Middle Atlantic.....	5,534	4,589	285,410	431,461	.661	941,613
East North Central.....	11,465	9,294	617,179	815,854	.670	2,684,200
West North Central.....	10,344	8,009	379,205	620,872	.611	1,299,536
South Atlantic.....	10,182	8,536	524,593	905,972	.579	2,094,089
East South Central.....	2,003	1,677	79,522	132,068	.602	340,265
West South Central.....	2,207	1,843	105,797	200,908	.527	231,604
Mountain.....	4,680	3,749	151,623	298,711	.508	259,507
Pacific.....	6,820	5,886	263,240	455,310	.578	382,098
Total continental United States.....	58,714	47,789	2,653,494	4,266,019	.622	9,981,123
Outside continental United States.....	292	200	11,030	17,699	.623	14,831
Grand total.....	59,006	47,989	2,664,524	4,283,718	.622	9,995,954

Non-Federal Public Works projects gave work to more than 10,000 employees in each of the following geographic divisions: East North Central, West North Central, and the South Atlantic. Average hourly earnings ranged from 50 cents in the Mountain States to 67 cents in the East North Central States.

Table 5 shows employment, pay rolls, and man-hours worked in railroad shops on new work and repair work financed by loans from the Public Works funds, by geographic divisions.

TABLE 5.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED IN RAILROAD SHOPS ON WORK FINANCED FROM PUBLIC WORKS FUNDS DURING MAY 1934, BY GEOGRAPHIC DIVISIONS

Geographic division	Number wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
New England.....	1,056	\$105,428	167,562	\$0.629	\$126,819
Middle Atlantic.....	5,790	472,748	746,198	.634	2,777,965
East North Central.....	2,719	201,465	320,090	.629	392,363
West North Central.....	916	40,097	62,499	.642	61,084
South Atlantic.....	1,062	108,015	167,700	.632	152,194
East South Central.....	2,164	188,222	305,664	.616	534,334
West South Central.....	2,280	150,446	250,108	.602	104,847
Mountain.....	880	40,774	66,678	.612	45,329
Pacific.....	3,685	235,601	389,117	.605	138,710
Total.....	20,542	1,540,794	2,475,616	.622	4,333,645

Nearly 6,000 of the railroad shop workers were employed in the Middle Atlantic States. Over 3,600 were employed in the Pacific States for this type of work. There was a very small range in the average hourly earnings of railroad shop workers, the lowest rate, 60 cents, was paid in the West South Central States, the highest, 64 cents, in the West North Central States.

Table 6 shows expenditures for materials purchased during the month ending May 15, 1934, by type of material.

TABLE 6.—MATERIALS PURCHASED DURING MONTH ENDING MAY 15, 1934, FOR PUBLIC WORKS PROJECTS, BY TYPE OF MATERIAL

Type of material	Value of material orders placed ¹
Airplane parts.....	\$31,938
Ammunition and related products.....	26,764
Boat building, steel and wooden (small).....	102,612
Bolts, nuts, washers, etc.....	266,054
Cast-iron pipe and fittings.....	930,193
Cement.....	831,238
Clay products.....	509,865
Coal.....	62,547
Compressed and liquefied gases.....	24,637
Concrete products.....	501,824
Copper products.....	66,367
Cordage and twine.....	12,273
Crushed stone.....	56,068
Doors, shutters, and window sash and frames, molding and trim, metal.....	418,057
Electrical machinery and supplies.....	2,203,625
Engines, turbines, tractors, water wheels, and windmills.....	300,530
Explosives.....	73,139

¹ Subject to revision.

TABLE 6.—MATERIALS PURCHASED DURING MONTH ENDING MAY 15, 1934, FOR PUBLIC WORKS PROJECTS, BY TYPE OF MATERIAL—Continued

Type of material	Value of material orders placed
Felt goods, wool, hair, or jute	\$18, 198
Forgings, iron and steel	112, 914
Foundry and machine-shop products, not elsewhere classified	2, 981, 708
Fuel oil	256, 476
Furniture, including store and office fixtures	32, 859
Gasoline	220, 990
Glass	41, 152
Hardware, miscellaneous	190, 018
Instruments, professional and scientific	12, 508
Lighting equipment	101, 712
Lime	14, 022
Locomotives, oil—electric	330, 400
Locomotives, other than electric	2, 188, 100
Lubricating oils and greases	66, 362
Lumber and timber products, not elsewhere classified	2, 544, 476
Machine tools	238, 078
Marble, granite, slate, and other stone products	620, 183
Meters (gas, water, etc.) and gas generators	23, 915
Motor vehicles, trucks	21, 834
Nails and spikes	103, 924
Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified	31, 954
Paints and varnishes	139, 690
Paving materials and mixtures	205, 603
Planing-mill products	202, 618
Plumbing supplies	324, 092
Pumps and pumping equipment	235, 060
Radio apparatus and supplies	84, 296
Rail fastenings, excluding spikes	924, 798
Rails, steel	1, 665, 051
Railway cars, freight	2, 345, 006
Refrigerators and refrigerator cabinets, including mechanical refrigerators	21, 640
Roofing, built-up, and roll; asphalt shingles; roof coatings, other than paint	120, 501
Rubber goods	35, 333
Sand and gravel	1, 797, 504
Sheet-metal work	139, 236
Spring, steel	33, 021
Steam and hot-water heating apparatus	115, 926
Steam and other packing, pipe and boiler covering, and gaskets	43, 308
Steel-works and rolling-mill products, other than steel rails, including structural and ornamental metal work	4, 078, 803
Stoves and ranges and warm-air furnaces	13, 120
Switches, railway	31, 013
Tools, other than machine tools	87, 615
Upholstering materials, not elsewhere classified	13, 295
Wall plaster, wall board, insulating board, and floor composition	114, 202
Window and door screens and weather strip	11, 794
Wire, drawn from purchased rods	120, 501
Wirework not elsewhere classified	41, 396
Wrought pipe, welded and heavy riveted	26, 231
Other	3, 179, 311
Public road projects ²	17, 000, 000
Total	49, 720, 378

² Not available by type of material.

Orders were placed during the month of May for materials valued at nearly \$50,000,000. It is estimated that the fabrication of this material will create approximately 127,000 man-months of labor.

Table 7 shows data concerning employment, pay rolls, and man-hours worked during each of the 8 months elapsing since work started on construction projects financed by Public Works funds.

TABLE 7.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED FROM OCTOBER 1933 THROUGH MAY 1934, ON PROJECTS FINANCED FROM PUBLIC WORKS FUNDS, BY MONTH

[Subject to revision]

Month	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
1933					
October.....	114, 098	\$7, 006, 680	14, 077, 752	\$0. 498	\$22, 005, 920
November.....	254, 784	14, 458, 364	28, 168, 280	. 513	24, 605, 055
December.....	270, 808	15, 724, 700	29, 866, 297	. 527	24, 839, 098
1934					
January.....	273, 583	14, 574, 960	27, 658, 591	. 527	23, 522, 929
February.....	295, 722	15, 245, 381	28, 938, 177	. 527	24, 562, 311
March.....	292, 696	15, 636, 545	29, 171, 634	. 536	69, 334, 754
April.....	369, 234	17, 732, 234	31, 247, 248	. 567	66, 639, 862
May.....	486, 166	24, 637, 889	44, 130, 618	. 558	49, 720, 378
Total.....		125, 016, 753	233, 258, 597		305, 230, 307

Workers on the pay rolls of contractors and Government agencies doing force-account work paid from Public Works funds have drawn in the 8 months more than \$125,000,000. Orders have been placed for material valued at over \$305,000,000. The manufacture of this material created over 725,000 man-months of labor.

Civil Works Administration

By the last week in May there were less than 9,000 employees on the pay rolls of the Civil Works Administration.

Table 8 shows the number of Civil Works employees drawing pay during the weeks ending April 26 and May 31.

TABLE 8.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS ON CIVIL WORKS PROJECTS, APR. 26 AND MAY 31, 1934

Geographic division	Number of employees, week ending—		Amount of pay roll, week ending—	
	Apr. 26	May 31	Apr. 26	May 31
New England.....	4, 901	596	\$87, 336	\$15, 610
Middle Atlantic.....	9, 818	1, 000	197, 736	23, 834
East North Central.....	9, 325	3, 470	229, 076	94, 299
West North Central.....	4, 634	755	99, 641	18, 279
South Atlantic.....	11, 460	910	210, 922	22, 537
East South Central.....	4, 610	472	91, 436	11, 181
West South Central.....	4, 265	628	76, 091	13, 187
Mountain.....	2, 521	199	54, 855	5, 402
Pacific.....	4, 630	863	91, 612	22, 087
Total.....	56, 164	8, 893	1, 138, 705	226, 416
Percent of change.....		-84. 2		-80. 1

The Civil Works Administration in winding up its emergency program reduced the number of employees 84 percent, comparing the last week in May with the last week in April. Disbursements for pay rolls decreased 80.1 percent comparing these two weeks.

The Emergency Work program is now under way. Data concerning employees in this agency are shown on table 10, page 42.

Table 9 shows the number of employees and amount of pay rolls for Civil Works projects from November 1933 to May 1934, inclusive, by geographic divisions.

TABLE 9.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS ON CIVIL WORKS PROJECTS FROM NOVEMBER 1933 THROUGH MAY 1934

Geographic division and month	Number	Pay roll	Geographic division and month	Number	Pay roll
New England:			Middle Atlantic:		
November 1933.....	63,601	\$957,584	November 1933.....	208,251	\$4,535,504
December 1933.....	131,050	7,453,547	December 1933.....	435,144	22,395,485
January 1934.....	222,472	16,187,201	January 1934.....	690,319	49,227,490
February 1934.....	214,943	11,100,670	February 1934.....	685,650	34,694,981
March 1934.....	161,132	8,937,630	March 1934.....	576,072	32,637,667
April 1934.....	5,108	957,570	April 1934.....	10,930	4,157,100
May 1934.....	637	68,274	May 1934.....	1,160	114,700
Total.....		45,662,476	Total.....		147,762,827
East North Central:			West North Central:		
November 1933.....	313,059	5,884,870	November 1933.....	130,291	1,913,370
December 1933.....	732,366	45,428,678	December 1933.....	321,887	16,841,880
January 1934.....	850,464	68,693,850	January 1934.....	445,922	29,918,787
February 1934.....	710,062	39,330,742	February 1934.....	403,495	17,161,856
March 1934.....	520,728	31,458,941	March 1934.....	237,111	11,301,934
April 1934.....	10,663	5,027,492	April 1934.....	6,666	1,906,110
May 1934.....	4,506	476,739	May 1934.....	1,203	114,474
Total.....		196,301,312	Total.....		79,158,411
South Atlantic:			East South Central:		
November 1933.....	219,832	2,407,400	November 1933.....	109,276	1,336,949
December 1933.....	384,829	16,710,583	December 1933.....	214,211	8,815,277
January 1934.....	528,359	29,662,625	January 1934.....	324,657	16,263,569
February 1934.....	457,036	17,306,251	February 1934.....	285,705	9,233,106
March 1934.....	222,317	9,478,384	March 1934.....	137,335	5,242,287
April 1934.....	12,631	1,645,192	April 1934.....	4,956	824,337
May 1934.....	1,078	104,455	May 1934.....	522	48,005
Total.....		77,314,890	Total.....		41,763,530
West South Central:			Mountain:		
November 1933.....	299,731	4,608,866	November 1933.....	43,300	466,607
December 1933.....	365,141	15,004,445	December 1933.....	107,661	7,108,543
January 1934.....	485,772	23,707,085	January 1934.....	133,772	11,028,322
February 1934.....	393,123	13,835,718	February 1934.....	121,193	6,620,681
March 1934.....	206,997	8,492,799	March 1934.....	75,417	4,691,266
April 1934.....	5,307	949,467	April 1934.....	3,259	776,197
May 1934.....	769	63,535	May 1934.....	299	30,873
Total.....		66,661,915	Total.....		30,722,489
Pacific:			All divisions:		
November 1933.....	83,859	706,385	November 1933.....	1,471,200	22,817,535
December 1933.....	192,630	11,612,231	December 1933.....	2,884,919	151,370,669
January 1934.....	246,393	19,024,052	January 1934.....	3,928,130	263,712,981
February 1934.....	221,740	11,921,346	February 1934.....	3,492,947	161,205,251
March 1934.....	147,788	8,540,200	March 1934.....	2,284,897	120,781,108
April 1934.....	5,992	638,382	April 1934.....	65,512	16,881,847
May 1934.....	943	92,887	May 1934.....	11,117	1,113,947
Total.....		52,535,483	Total.....		737,883,333

During this period the Civil Works Administration disbursed over \$700,000,000 to workers who otherwise would have been without employment. At the peak over 4,000,000 persons were given work.

During the month of January an average of over 3,900,000 were employed. From that date the number of workers decreased rapidly until during May an average of slightly over 11,000 were at work on Civil Works projects.

Emergency Work Program

THE emergency work program of the Federal Relief Administration is now giving employment to over 850,000 persons.

Table 10 shows the number of employees and amount of pay rolls for the workers on the emergency work program for the weeks ending April 26 and May 31.

TABLE 10.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS FOR WORKERS ON EMERGENCY WORK PROGRAM, APR. 26 AND MAY 31, 1934

Geographic division	Number of employees, week ending—		Amount of pay roll, week ending—	
	Apr. 26	May 31	Apr. 26	May 31
New England.....	83, 335	92, 021	\$818, 015	\$1, 186, 844
Middle Atlantic.....	310, 565	281, 083	4, 940, 167	3, 865, 641
East North Central.....	119, 457	145, 518	1, 022, 456	1, 347, 586
West North Central.....	90, 218	108, 704	768, 133	857, 897
South Atlantic.....	92, 370	97, 151	765, 516	677, 456
East South Central.....	6, 095	35, 236	42, 224	215, 015
West South Central.....	63, 917	57, 760	544, 990	453, 210
Mountain.....	24, 435	34, 791	327, 470	393, 364
Pacific.....	11, 767	14, 095	143, 143	182, 449
Total.....	802, 159	866, 359	9, 372, 114	9, 179, 462
Percent of change.....		+8. 0		-2. 1

Emergency Conservation Work

THERE were over 335,000 workers engaged in Emergency Conservation Work during the month ending May 31, 1934. These workers drew over \$14,000,000 for their month's pay.

Table 11 shows the employment and pay rolls for the Emergency Conservation Work during the months of April and May 1934 by type of work.

TABLE 11.—EMPLOYMENT AND PAY ROLLS IN THE EMERGENCY CONSERVATION WORK, APRIL AND MAY 1934

Group	Number of employees		Amount of pay rolls	
	April	May	April	May
Enrolled personnel.....	282, 756	299, 386	\$8, 830, 470	\$9, 349, 821
Reserve officers.....	5, 587	5, 591	1, 266, 399	1, 302, 417
Educational advisers.....	1, 024	1, 081	173, 198	164, 343
Supervisory and technical.....	¹ 25, 119	² 29, 689	2, 937, 138	3, 227, 121
Total.....	314, 486	335, 747	13, 207, 205	14, 043, 702

¹ 23,829 are included in the table for the executive service.

² 23,775 are included in the table for the executive service.

Information concerning employment and pay rolls for the Emergency Conservation Work is collected by the Bureau of Labor Statistics from the War Department, the Department of Agriculture, the Treasury Department, and the Interior Department.

The pay of the enlisted personnel is figured as follows: 5 percent are paid \$45 per month, 8 percent \$36 per month, and the remaining 87 percent \$30 per month.

There was an increase of more than 20,000 workers comparing May with April.

Table 12 shows monthly totals of employees and pay rolls in the Emergency Conservation Work from the inception of the work in May 1933 to May 1934, inclusive.

TABLE 12.—MONTHLY TOTALS OF EMPLOYEES AND PAY ROLLS IN THE EMERGENCY CONSERVATION WORK FROM MAY 1933 TO MAY 1934, INCLUSIVE

Month	Number of employees	Amount of pay roll	Month	Number of employees	Amount of pay roll
1933			1933		
May.....	191,380	\$6,388,760	December.....	321,701	\$12,951,042
June.....	283,481	9,876,780	1934		
July.....	316,109	11,482,262	January.....	331,433	13,577,695
August.....	307,100	11,604,401	February.....	321,631	13,072,768
September.....	242,968	9,759,628	March.....	247,944	10,808,970
October.....	294,861	12,311,033	April.....	314,486	13,207,205
November.....	344,273	14,554,695	May.....	335,747	14,043,702

Employment on Public Roads (Other Than Public Works)

ALTHOUGH most of the road building is now being financed from Public Works funds, there is still some work being done by the Federal Government from carry-over appropriations, and considerable maintenance work is being done by several States, financed by State funds.

Table 1 shows the number of employees, exclusive of those paid from Public Works funds, on the pay rolls of Federal and State governments engaged in the building and maintenance of public roads during the months of April and May 1934.

TABLE 1.—NUMBER OF EMPLOYEES ENGAGED IN THE CONSTRUCTION AND MAINTENANCE OF PUBLIC ROADS, STATE AND FEDERAL, DURING APRIL AND MAY 1934, BY GEOGRAPHIC DIVISIONS¹

Geographic division	Federal				State			
	Number of employees		Amount of pay rolls		Number of employees		Amount of pay rolls	
	April	May	April	May	April	May	April	May
New England.....	6	0	\$423	0	7,771	11,970	\$465,985	\$849,494
Middle Atlantic.....	78	421	3,405	\$21,046	43,483	63,397	2,231,450	3,341,437
East North Central.....	298	727	15,645	44,251	19,932	25,409	1,066,241	1,378,771
West North Central.....	110	247	5,854	11,012	14,339	15,585	768,091	836,310
South Atlantic.....	251	342	6,895	9,247	34,345	39,705	1,228,997	1,373,297
East South Central.....	136	67	4,471	2,834	10,729	9,828	666,361	462,734
West South Central.....	264	964	15,082	28,701	11,118	12,219	745,272	789,587
Mountain.....	361	597	22,896	32,927	5,601	5,503	444,593	449,954
Pacific.....	428	576	33,158	35,321	10,230	10,819	790,654	793,555
Total.....	1,932	3,941	107,829	185,339	157,648	194,435	8,407,644	10,275,139
Percent of change.....		+104.0		+71.9		+23.4		+22.2

Excluding employment furnished by projects financed from Public Works funds.

There were nearly 200,000 employees hired by the States for road work during May. This is an increase of nearly 25 percent as compared with April.

Of the State-road workers, 14 percent were employed in building new roads and 86 percent in maintaining existing roads. By far the largest number of State-road workers were employed in the Middle Atlantic States, Pennsylvania employing an especially large number.

Table 2 shows the number of employees engaged in the construction and maintenance of State and public roads by months, January to May 1934.

TABLE 2.—NUMBER OF EMPLOYEES ENGAGED IN THE CONSTRUCTION AND MAINTENANCE OF PUBLIC ROADS, STATE AND FEDERAL, BY MONTHS, 1934¹

Month	Federal		State	
	Number	Pay rolls	Number	Pay rolls
January.....	7, 633	\$388, 426	161, 785	\$8, 684, 109
February.....	2, 382	142, 528	149, 215	7, 131, 604
March.....	1, 396	101, 191	152, 129	7, 989, 765
April.....	1, 932	107, 829	157, 548	8, 407, 644
May.....	3, 941	185, 339	194, 435	10, 275, 139

Excluding employment furnished by projects financed from Public Works funds.

Employment on Construction Projects Financed by the Reconstruction Finance Corporation

CONSTRUCTION projects financed by the Self-Liquidating Division of the Reconstruction Finance Corporation gave employment to nearly 20,000 people during the month ending May 15. These projects are self-liquidating. The loans made by the Reconstruction Finance Corporation for construction projects amounted to over \$207,000,000.

Table 1 shows employment, pay rolls, and man-hours worked on construction projects financed by the Self-Liquidating Division of the Reconstruction Finance Corporation, by type of project.

TABLE 1.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON PROJECTS FINANCED BY THE SELF-LIQUIDATING DIVISION OF THE RECONSTRUCTION FINANCE CORPORATION DURING MAY 1934, BY TYPE OF PROJECT

Type of project	Number of wage earners	Amount of pay roll	Number of man-hours worked	Average earnings per hour	Value of materials purchased
Building construction.....	2, 364	\$222, 146	195, 276	\$1. 138	\$258, 523
Bridges.....	6, 855	450, 557	585, 163	. 770	741, 901
Reclamation.....	2, 531	141, 061	313, 246	. 450	60, 335
Water and sewerage.....	5, 252	588, 840	885, 372	. 665	615, 209
Miscellaneous.....	2, 209	231, 285	350, 069	. 661	439, 777
Total.....	19, 211	1, 633, 889	2, 329, 126	. 702	2, 115, 745

Nearly 7,000 of these workers were employed on bridges, and over 5,000 on water and sewerage systems. The monthly pay roll for workers on all types of construction amounted to over \$1,500,000. The men worked over 2,000,000 hours. The average hourly earnings amounted to over 70 cents. Building construction workers earned over \$1.10 per hour and bridge workers over 75 cents per hour. Purchase orders were placed for materials totaling over \$2,000,000 by contractors working on these projects.

Table 2 shows employment, pay rolls, and man-hours worked on projects financed by the Self-Liquidating Division of the Reconstruction Finance Corporation, by geographic divisions.

TABLE 2.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON PROJECTS FINANCED BY THE SELF-LIQUIDATING DIVISION OF THE RECONSTRUCTION FINANCE CORPORATION DURING MAY 1934, BY GEOGRAPHIC DIVISIONS

Geographic division	Number of wage earners	Amount of pay roll	Number of man-hours worked	Average earnings per hour	Value of materials purchased
New England.....	0	0	0	0	0
Middle Atlantic.....	3,648	\$346,724	350,340	\$0.990	\$418,580
East North Central.....	227	18,557	18,729	.991	23,621
West North Central.....	117	9,918	16,668	.595	21,775
South Atlantic.....	1,163	41,758	98,007	.426	42,307
East South Central.....	211	6,431	22,552	.285	13,802
West South Central.....	1,987	128,994	201,500	.640	146,259
Mountain.....	2,634	149,045	322,067	.463	71,805
Pacific.....	9,224	932,462	1,299,263	.718	1,377,596
Total.....	19,211	1,633,889	2,329,126	.702	2,115,745

During May 9,000 men were working on Reconstruction Finance Corporation projects in Pacific States. Over 3,500 were employed in the Middle Atlantic States. Average hourly earnings ranged from 28 cents in the East South Central States to 99 cents in the Middle Atlantic and East North Central States.

Table 3 shows data concerning employment, pay rolls, and man-hours worked during April and May on construction projects financed by the Reconstruction Finance Corporation.

TABLE 3.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED DURING APRIL AND MAY 1934 ON PROJECTS FINANCED BY THE SELF-LIQUIDATING DIVISION OF THE RECONSTRUCTION FINANCE CORPORATION

Month	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
April.....	18,643	\$1,519,204	2,301,271	\$0.660	\$2,307,479
May.....	19,211	1,633,889	2,329,126	.702	2,115,745

Table 4 shows, by types, the material purchased by contractors working on construction projects financed by the Reconstruction Finance Corporation.

TABLE 4.—MATERIALS PURCHASED DURING MONTH ENDING MAY 15, 1934, FOR PROJECTS FINANCED BY THE SELF-LIQUIDATING DIVISION OF THE RECONSTRUCTION FINANCE CORPORATION, BY TYPE OF MATERIAL

Type of material	Value of materials purchased
Cast-iron pipe and fittings.....	\$20, 145
Cement.....	169, 544
Clay products.....	75, 290
Coal.....	12, 094
Compressed and liquefied gas.....	4, 355
Concrete products.....	221, 316
Copper products.....	26, 683
Crushed stone.....	19, 646
Electrical machinery and supplies.....	150, 708
Explosives.....	86, 399
Foundry and machine-shop products, not elsewhere classified.....	203, 328
Fuel oil.....	13, 321
Gasoline.....	19, 453
Hardware, miscellaneous.....	64, 500
Lime.....	1, 017
Lubricating oil and greases.....	5, 751
Lumber and timber products.....	156, 978
Marble, granite, slate, and other stone products.....	3, 702
Motor vehicles (auto trucks).....	8, 482
Paints and varnishes.....	1, 804
Plumbing supplies.....	46, 646
Roofing, built-up, and roll; asphalt shingles, roof coatings, other than paint.....	2, 931
Rubber goods.....	3, 112
Sand and gravel.....	50, 077
Steel-works and rolling-mill products, including structural and ornamental metal work.....	648, 440
Tools.....	14, 045
Wire, drawn from purchased rods.....	33, 359
Wirework, not elsewhere classified.....	8, 365
Other.....	44, 254
Total.....	2, 115, 745

It is estimated that the fabrication of materials for which the orders were placed during the month of May will create over 5,500 man-months of labor.

