

UNITED STATES DEPARTMENT OF LABOR

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TREND OF EMPLOYMENT

APRIL 1934



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TREND OF EMPLOYMENT

April 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

A FURTHER expansion in factory employment and pay roll was recorded in April, employment increasing 1.9 percent between March 15 and April 15 and pay rolls increasing 3.9 percent. April marks the third month in which factory employment and pay rolls have expanded. These increases in April 1934 are particularly significant, as gains in factory employment between March and April have occurred in only four of the preceding years for which data are available, while increases in pay roll have occurred in only three instances. The percentage gain in employment in April 1934 is identical with the increase reported in April of last year, at which time recovery was due largely to a resumption of more regular operations following the bank holiday in March; the gains in employment in April in the remaining years in which increases were reported (1919, 1923, and 1929) were smaller.

These gains brought the Bureau of Labor Statistics index of factory employment in April 1934 (82.3) to the level reached in December 1930 and the index of factory pay roll in April 1934 (67.3) to the highest point recorded since June 1931.

A comparison of the April 1934 indexes with those of March 1933 (58.8 in employment and 37.1 in pay roll) in which month the low points of both employment and pay roll were recorded, shows increases of 40 percent in employment and 81.4 percent in pay roll over the 13-month interval.

The base used in computing these index numbers of employment and pay roll is the average for the 3-year period 1923-25 taken as 100. Prior to March 1934, the indexes of factory employment and

pay roll 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 pamphlet and a more complete bulletin on this subject is being prepared for publication. The April 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 roll are computed from returns supplied by representative establishments in 90 important manufacturing industries of the country. Reports were received in April from 20,884 establishments employing 3,650,627 workers, whose weekly earnings were \$72,883,035 during the pay period ending nearest April 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.

The gains in factory employment were widely spread, 66 of the 90 manufacturing industries surveyed reporting increased employment and 69 industries reporting increased pay rolls. Twelve of the 14 groups into which these 90 manufacturing industries are classified reported increases in employment and pay rolls from March to April. The two groups which failed to show gains in employment were the LEATHER and TEXTILE groups in which seasonal declines regularly occur in April. The TRANSPORTATION and STONE-CLAY-GLASS PRODUCTS groups reported gains in employment of 6.1 percent each between March and April. In the TRANSPORTATION group increases in employment were reported in each of the 5 industries surveyed, the aircraft industry reporting the most pronounced increase, 18.3 percent. The locomotive and electric-and-steam-car-building industries, reflecting activity which was partially due to allotment of P.W.A. funds, reported increases of 11.3 percent and 7.6 percent, respectively, and the automobile and shipbuilding industries reported gains of 6 percent and 3.5 percent, respectively. In the STONE-CLAY-GLASS group, each of the 5 industries surveyed reported gains in employment, the most pronounced gain being 13.5 percent in the brick, tile, and terra cotta industry and 13.3 percent in the cement industry. The MACHINERY group reported a gain of 4.6 percent in employment. The agricultural implement industry reported the greatest percentage increase in this group over the month interval, 14.8 percent, which continues the unbroken expansion reported in this industry each month since June 1933. Other major industries in the groups in which substantial gains were reported were: foundries and machine shops (4.8 percent) and electrical machinery (3.1 percent). The railroad repair shop group showed a gain of 4.1 percent in employment

from March to April, the steam-railroad repair shop industry showing a gain of 4.7 percent and the electric-railroad repair shop industry increasing 0.1 percent. The IRON AND STEEL group reported a gain of 3.7 percent in employment over the month interval. The largest percentage gain shown in the IRON AND STEEL group was in the stove industry (8.7 percent), while other substantial percentage gains were shown in hardware (5.8 percent), wirework (4.7 percent), and bolts, nuts, washers, and rivets (4.6 percent). The blast furnace, steel works, and rolling mill industry (which has previously been called the iron and steel industry) showed a gain of 3.9 percent in employment coupled with a gain of 13.8 percent in pay rolls. The pronounced percentage gain in pay rolls is due, to a large extent, to the general wage-rate increases in this industry between March 15 and April 15. The RUBBER PRODUCTS group showed an increase of 3.3 percent from March to April, the rubber tire and tube industry reporting the most pronounced gain, 5.2 percent. The increases in the NONFERROUS METALS and the LUMBER PRODUCTS groups were 2.4 percent and 1.9 percent, respectively. In the last-named group, the sawmill industry reported an increase of 5.3 percent and the millwork industry a gain of 4.9 percent. Each of the industries in the PAPER AND PRINTING group reported increased employment from March to April, resulting in a net increase of 1.5 percent in that group. In the remaining groups reporting increased employment, the increases were as follows: FOOD AND KINDRED PRODUCTS, 1 percent; TOBACCO PRODUCTS, 0.5 percent; and CHEMICALS, 0.4 percent.

The gains in factory employment and pay rolls over the month interval were confined almost entirely to the durable goods group of industries. The Bureau's classification of "durable" goods industries includes the IRON AND STEEL, MACHINERY, NONFERROUS METALS, TRANSPORTATION EQUIPMENT, RAILROAD REPAIR SHOPS, LUMBER, and STONE-CLAY-GLASS groups. The totals of these groups showed an increase of 4.2 percent in employment from March to April and a gain of 8.6 percent in pay rolls, while the totals of the remaining groups of manufacturing industries, which are classed as "nondurable", showed a gain of only 0.2 percent in employment coupled with a decline in pay rolls of 0.1 percent.

The level of employment and pay rolls in the "durable" goods group in recent years has been considerably below the level of the "nondurable" goods group. A comparison of employment and pay rolls in these two groups in 1929 with April 1934 shows a decline of 32.5 percent in employment and 47.2 percent in pay rolls in the "durable" goods group while employment in the "nondurable" goods group shows a drop of 10 percent in employment and 27.1 percent in pay rolls. The marked gains in employment and pay rolls in the "durable" goods group between March and April 1934 were

due to some extent to employment created by orders placed through P.W.A. allotments. Employment in the "durable" goods group in April 1934 was 57.6 percent above the level of April 1933 and pay rolls were 115.7 percent higher. In the "nondurable" goods group of manufacturing industries, a similar comparison shows an increase of 24.9 percent in employment and an increase of 47.1 percent in pay rolls.

Comparing the level of employment in the separate industries in April 1934 with April of the preceding year, all but 2 of the 90 manufacturing industries show more workers employed in April 1934 than in April 1933, and every industry shows gains in pay rolls. Six industries (machine tools, locomotives, automobiles, agricultural implements, typewriters, radios, and phonographs) show gains of over 100 percent in employment over the year interval and 23 industries show gains in the number of workers on the pay rolls ranging from 50.9 percent to 94.2 percent. In practically all instances, the increases in pay rolls from April 1933 to April 1934 were more pronounced than the gains in employment. In 5 industries, agricultural implements, machine tools, typewriters and supplies, iron and steel forgings, and automobiles, the gains in pay roll over the year interval were more than 200 percent.

Per capita weekly earnings for all manufacturing industries combined increased 2 percent between March and April, and 26.2 percent over the year interval. Gains in per capita weekly earnings in April 1934 as compared with March 1934 were shown in 60 industries.

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 March and April 1934 showed no change in average hours worked per week over the month interval and an increase in average hourly earnings of 1.9 percent. Fifty-one industries showed increases in average hours worked in April as compared with March and sixty-six industries 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 payroll in April 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 March 1934 and April 1933. Per capita weekly earnings in April 1934 together with percentages of change from the previous month and from April 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 April 1934 and average hourly earnings together with percentages of change from March 1934 and April 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 PAYROLLS, PER CAPITA WEEKLY EARNINGS, AVERAGE HOURS WORKED PER WEEK, AND AVERAGE HOURLY EARNINGS IN MANUFACTURING INDUSTRIES IN APRIL 1934 AND COMPARISON WITH MARCH 1934 AND APRIL 1933

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index April 1934 (3-year average 1923-25 = 100)	Percentage change from—		Index April 1934 (3-year average 1923-25 = 100)	Percentage change from—		Average in April 1934	Percentage change from—		Average in April 1934	Percentage change from—		Average in April 1934	Percentage change from—	
		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933
ALL INDUSTRIES.....	82.8	+1.9	+37.4	67.5	+3.9	+73.5	\$19.96	+2.0	+26.2	36.2	(3)	-2.1	Cents 54.1	+1.9	+27.3
Iron and steel and their products, not including machinery	72.6	+3.7	+50.9	56.8	+10.7	+130.9									
Blast furnaces, steel works, and rolling mills.....	72.9	+3.9	+54.4	59.4	+13.8	+162.8	22.19	+9.5	+70.4	35.4	+3.5	+22.8	63.4	+6.9	+41.3
Bolts, nuts, washers, and rivets.....	83.8	+4.6	+45.0	64.7	+8.8	+137.9	19.97	+4.1	+63.4	37.2	+2.2	+37.7	53.6	+2.9	+23.6
Cast-iron pipe.....	51.5	+2.3	+62.5	28.0	+7.4	+84.2	14.52	+5.0	+13.8	29.7	+3.5	+20.8	49.0	+2.7	-2.8
Cutlery (not including silver and plated cutlery), and edge tools.....	81.9	+2.4	+47.6	59.4	+3.8	+90.4	19.51	+1.4	+28.6	37.9	+3	+8.5	51.3	+8	+17.4
Forgings, iron and steel.....	59.2	-4.3	+89.7	47.0	-2.2	+215.4	22.04	+2.2	+67.5	37.6	-8	+40.6	58.7	+3.0	+20.8
Hardware.....	85.3	+5.8	+72.0	70.3	+8.8	+162.3	19.44	+2.7	+52.4	36.3	-5	+22.8	54.1	+3.2	+21.1
Plumbers' supplies.....	54.7	-4.5	+20.2	30.3	+7	+37.7	16.41	+5.5	+14.8	32.0	+6.3	+6	50.7	-6	+13.1
Steam and hot-water heating apparatus and steam fittings.....	45.8	+ (0)	+8.5	28.3	+2.2	+42.2	20.16	+2.2	+30.8	34.5	-6	+6.1	58.5	+3.4	+17.0
Stoves.....	90.9	+8.7	+73.1	63.8	+11.9	+108.5	19.07	+3.0	+20.7	36.2	+8	+8.8	51.7	+1.4	+13.1
Structural and ornamental metalwork.....	56.0	+3.8	+36.6	37.6	+7.2	+87.1	18.80	+3.2	+37.3	33.0	+2.2	+8.6	56.4	+1.6	+23.4
Tin cans and other tinware.....	88.2	+3.3	+25.1	84.2	+5.6	+38.7	19.79	+2.2	+10.6	36.9	+1.9	-8.4	53.6	+1.3	+13.0
Tools (not including edge tools, machine tools, files, and saws).....	63.0	+1.1	+58.7	52.9	+6	+133.0	19.04	-5	+47.1	36.7	-1.1	+21.5	51.8	+8	+24.7
Wirework.....	131.4	+4.7	+55.5	110.6	+11.1	+106.0	19.75	+6.1	+32.4	35.4	+2.6	+15.1	58.1	+4.9	+36.2
Machinery, not including transportation equipment	80.3	+4.6	+68.3	60.5	+8.4	+125.7									
Agricultural implements.....	87.2	+14.8	+127.7	93.6	+19.6	+231.9	20.70	+4.1	+45.6	38.3	+8	+29.1	54.2	+3.2	+15.3
Cash registers, adding machines, and calculating machines.....	102.0	+2.5	+50.9	76.7	+5.3	+67.8	24.48	+2.7	+11.0	38.1	+2.4	+6.8	64.7	+2	+5.5
Electrical machinery, apparatus, and supplies.....	63.7	+3.1	+44.8	47.8	+9.1	+80.4	20.86	+5.8	+24.2	34.1	+1.2	+14.9	59.7	+3.5	+10.3
Engines, turbines, tractors, and water wheels.....	69.3	+5.4	+88.3	44.8	+8.5	+124.0	22.56	+2.9	+18.9	37.3	+1.4	+13.2	60.4	+1.5	+7.3
Foundry and machine-shop products.....	71.6	+4.8	+65.0	54.4	+8.9	+141.8	21.08	+3.9	+47.0	36.8	+2.2	+31.8	57.5	+1.8	+14.4
Machine tools.....	70.8	-2	+133.7	57.7	+4	+227.8	23.89	+6	+40.6	40.0	(3)	+29.9	59.6	+5	+9.2
Radios and phonographs.....	200.2	+6.7	+103.0	108.9	+7.3	+89.7	17.49	+5	-6.8	34.4	+3.9	-14.1	51.5	+6	+34.3
Textile machinery and parts.....	75.0	-1.0	+69.3	60.9	-1.1	+128.9	21.06	-2	+35.5	37.1	-1.1	+33.5	59.0	+3	+13.6
Typewriters and parts.....	102.6	+5.0	+105.2	84.1	+3.5	+224.7	20.57	-1.5	+58.6	39.4	-2.5	+31.5	52.2	+1.2	+19.0

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

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹			
	Index April 1934 (3-year average 1923-25 = 100)	Percentage change from—		Index April 1934 (3-year average 1923-25 = 100)	Percentage change from—		Average in April 1934	Percentage change from—		Average in April 1934	Percentage change from—		Average in April 1934	Percentage change from—		
		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933	
Food and kindred products	97.2	+1.0	+17.1	83.1	+1.1	+23.1										
Baking.....	111.2	+8	+16.2	91.3	-6	+18.9	\$21.46	-1.3	+2.4	41.5	-2	-9.0	51.4	-1.3	+12.6	
Beverages.....	156.6	+6.0	+33.7	150.9	+9.1	+30.3	28.89	+3.0	-2.5	38.8	+5	-18.9	74.4	+1.6	+21.9	
Butter.....	79.2	+3.2	+11.5	61.9	+6.1	+13.8	20.88	+2.8	+2.2							
Canning and preserving.....	71.9	+6.1	+16.3	69.5	+3.4	+36.3	12.52	-2.6	+35.6	31.1	-8.0	-10.9	38.7	+1.6	+13.7	
Confectionery.....	74.7	-7.0	+4.2	61.8	-9.2	+26.9	15.06	-2.4	+21.6	36.0	-2.4	+1.7	41.3	-2	+27.6	
Flour.....	74.5	-2	+15.3	61.2	+1.7	+15.0	20.47	+1.9	+1	38.1	-1.6	-23.0	52.8	+2.3	+31.1	
Ice cream.....	64.9	+9.6	+15.9	51.4	+10.7	+19.5	24.86	+1.1	+3.6	43.4	+3.8	-15.6	57.1	-1.9	+12.2	
Slaughtering and meat packing.....	92.4	-4	+20.9	76.1	+2	+29.2	20.83	+6	+7.0	39.1	+1.0	-14.2	53.0	(?)	+25.1	
Sugar beet.....	37.3	+17.4	+4.8	33.8	+16.2	+11.9	24.20	-1.0	+6.7	39.5	+3	-17.9	67.3	+3.1	+41.9	
Sugar refining, cane.....	84.7	-1.7	+16.2	70.4	+6.0	+5.5	21.84	+7.8	-9.1	38.0	+7.6	-20.2	55.6	+1.8	+12.5	
Tobacco manufactures	64.7	+5	+24.4	46.2	+9	+38.3										
Chewing and smoking tobacco and snuff.....	79.3	-2.2	+14.8	66.3	-8.1	+19.2	13.03	-6.1	+4.1	33.8	-6.9	-11.6	38.0	+1.9	+15.9	
Cigars and cigarettes.....	62.8	+1.0	+26.1	43.6	+2.4	+42.5	12.57	+1.4	+12.8	32.8	+9	-5.2	38.7	+1.8	+18.3	
Paper and printing	95.1	+1.5	+19.2	79.7	+2.6	+28.1										
Boxes, paper.....	85.3	+1.8	+28.7	75.7	+1.2	+49.0	18.44	-5	+15.8	37.1	-5	-4.5	49.8	+6	+23.9	
Paper and pulp.....	106.8	+2.3	+34.0	81.3	+3.5	+52.5	18.84	+1.2	+13.9	37.1	+5	-6.0	50.8	+8	+21.7	
Printing and publishing:																
Book and job.....	84.7	+1.5	+12.8	70.8	+2.8	+24.0	25.87	+1.3	+10.2	36.1	+3	+3.3	72.2	+1.0	+6.2	
News papers and periodicals.....	99.0	+8	+8.9	87.3	+1.9	+14.6	31.98	+1.1	+5.0	37.5	+8	-4.5	85.1	+1.6	+10.7	
Chemicals and allied products	113.3	+4	+31.1	92.3	+3.6	+41.8										
Chemicals.....	110.8	+2.9	+52.4	95.8	+7.5	+63.8	24.05	+4.5	+7.8	39.1	+8	-5.5	60.3	+8	+11.4	
Cottonseed—oil, cake, and meal.....	70.4	-26.3	+17.9	62.5	-26.3	+35.0	10.57	(?)	+15.1	40.7	+1.0	-24.6	26.5	-1.1	+49.5	
Druggists' preparations.....	100.6	-2.5	+20.2	92.4	-2	+31.1	20.31	+2.3	+9.1	38.7	+8	+8.3	50.1	+1.2	+5.9	
Explosives.....	99.2	+4.7	+51.2	78.6	+11.5	+96.5	22.69	+6.5	+30.3	36.1	+1.7	+11.8	60.8	-8	+4.0	
Fertilizers.....	181.5	+13.1	+22.6	132.1	+23.1	+56.3	11.86	+8.7	+27.9	35.0	+4.8	-29.8	33.5	+2.8	+81.2	
Paints and varnishes.....	102.6	+4.3	+34.3	83.0	+7.7	+46.9	21.98	+3.2	+9.2	39.5	+1.3	-4.9	54.8	+2.0	+15.4	
Petroleum refining.....	107.8	-2.2	+14.4	92.0	(?)	+17.0	26.90	+2.3	+2.4	35.8	+2.9	-8.1	73.4	+1.0	+18.3	
Rayon and allied products.....	319.0	-9.9	+42.6	221.3	+1.4	+69.4	18.27	+2.4	+18.5	37.7	+5	-6.0	48.6	+1.7	+26	
Soap.....	104.5	+1.3	+27.8	88.8	+4	+32.3	20.74	-9	+3.1	38.8	-1.3	-11.2	52.4	+2	+14.6	

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Rubber products	91.0	+3.3	+52.7	73.7	+4.1	+110.6									
Rubber boots and shoes.....	55.8	+1.0	+31.6	51.4	+6.5	+91.1	18.21	+5.4	+45.6	36.5	+7.7	+90.8	46.6	-.2	+31.3
Rubber goods, other than boots, shoes, tires, and inner tubes.....	134.1	+1.7	+47.9	105.1	-.9	+76.6	18.38	-2.5	+19.3	35.4	-3.8	-8.8	50.7	+1.0	+22.9
Rubber tires and inner tubes.....	82.1	+5.1	+59.1	67.6	+6.7	+139.7	25.58	+1.5	+50.5	33.8	+9	+12.2	76.3	(3)	+31.8

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. Figures for groups not computed.

² Weighted.

³ No change.

⁴ 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 roll 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 months of January, February, March, and April 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 APRIL 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	906,200	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	528,300	267,600	212,200
April.....	6,897,800	623,700	705,100	558,400	278,700	217,300
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.....	165,406,000	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)
1928.....	208,334,000	24,740,000	26,334,000	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	12,076,000	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	5,652,000	3,039,000
1934: January.....	109,806,000	10,134,000	11,200,000	9,072,000	5,710,000	3,452,000
February.....	123,395,000	11,269,000	12,253,000	12,894,000	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

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 APRIL 1934—Contd.

Year and month	Lumber and allied products	Stone, clay, and glass products	Textiles and their products			Leather and its manufactures
			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, 437, 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, 800	1, 629, 400	299, 900
April.....	453, 700	193, 700	1, 072, 200	474, 100	1, 614, 700	298, 600
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, 266, 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, 641, 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

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 APRIL 1934—Con.

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	489,400	(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	354,200	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	553,500	342,500	149,200
1929.....	753,500	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	451,700	279,700	87,800
1933.....	631,000	82,700	458,400	315,400	98,300
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	118,300
April.....	649,500	89,500	505,100	377,400	122,200
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	2,206,000	12,762,000	(1)	(1)
1923.....	15,296,000	2,317,000	14,304,000	\$8,499,000	\$3,500,000
1924.....	15,135,000	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.....	16,583,000	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	2,455,000
April.....	12,663,000	1,028,000	11,847,000	7,683,000	2,556,000

¹ Comparable data not available.

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 April 1934, inclusive, together with average indexes for each of the years from 1919 to 1933, inclusive, and for the 4-month period, January to April 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 APRIL 1934 INCLUSIVE

[3-year average, 1923-35=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.....	103.3	112.0	81.0	87.9	105.3	96.8	98.1	100.4	99.1	97.0	105.3	94.8	80.1	63.4	62.6	-----
June.....	104.3	111.1	81.0	89.8	106.0	93.8	98.1	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	106.0	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	104.9	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	78.5
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	104.1	102.4	106.5	105.7	102.5	111.6	98.8	75.6	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.....	90.0	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	-----
June.....	92.0	124.2	75.4	80.5	107.5	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	61.7

¹ Average for 4 months.

For comparative purposes the Bureau has computed the group and general index numbers of employment and pay roll for April 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 APRIL 1934

Group	Employment index	Pay-roll index
All manufacturing.....	77.8	61.9
Iron and steel and their products, not including machinery.....	76.2	56.5
Machinery, not including transportation equipment.....	70.9	52.7
Transportation equipment.....	95.2	88.2
Railroad repair shops.....	53.8	48.5
Nonferrous metals and their products.....	73.7	56.4
Lumber and allied products.....	47.1	30.0
Stone, clay, and glass products.....	55.2	37.5
Textiles and their products.....	88.7	69.6
Fabrics.....	93.4	75.6
Wearing apparel.....	77.5	57.6
Leather and its manufactures.....	87.3	70.2
Food and kindred products.....	93.8	78.3
Tobacco manufactures.....	72.5	53.1
Paper and printing.....	91.1	73.9
Chemicals and allied products.....	105.4	84.9
Rubber products.....	91.2	74.8

Employment in Nonmanufacturing Industries in April 1934

TWELVE of the 14 nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics reported gains in employment from March to April and 10 industries reported increased pay rolls over the month interval. Data for the building construction industry, which also showed pronounced gains in employment and pay roll, are not presented here but are shown in more detail under the section "Building construction."

The most pronounced increases in employment and pay roll were shown in the quarrying and nonmetallic mining and the dyeing and cleaning industries. Employment in the quarrying and nonmetallic mining industry increased 15.9 percent and pay rolls increased 23.9 percent; employment in the dyeing and cleaning industry increased 10.3 percent and pay rolls increased 17.6 percent. The metalliferous mining industry reported a gain of 4.6 percent in employment coupled with an increase of 5 percent in pay rolls. The laundry and crude-petroleum producing industries reported gains in number of workers of 1.6 percent each, pay rolls increasing 2.6 percent in the laundry industry and 1.8 percent in the crude-petroleum industry over the month interval.

Reports received from 19,413 retail establishments showed a net gain of 1.1 percent in employment from March to April coupled with an increase of 2.8 percent in pay rolls. The group of retail trade establishments comprising the general merchandise group (department, variety, limited-price stores, and mail-order houses), showed a gain of 1 percent in employment and the combined total of the remaining retail establishments reporting showed a gain of 1.2 percent in number of workers from March to April.

The two industries in which declines in both employment and pay rolls were reported were anthracite and bituminous-coal mining. The decreases in employment and pay roll in the first-named industry were 13.8 percent and 37.3 percent, respectively, and the declines in the bituminous-coal mining industry were 7.2 percent in employment and 12.7 percent in pay roll. The observance of the "8-hour day" holiday in these industries accounted partially for the decrease in pay roll. In the bituminous-coal mining industry, labor disturbances in certain localities resulted in pronounced decreases in employment in the mines affected.

In table 1, which follows, are shown indexes of employment and pay roll, per capita weekly earnings, average hours worked per week, and average hourly earnings in April 1934 for 13 of the 14 nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics, together with percentages of change from March 1934 and April 1933. Similar percentages of change in employment, pay roll, 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 roll 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 APRIL 1934 AND COMPARISON WITH MARCH 1934 AND APRIL 1933

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index April 1934 (average 1929=100)	Percentage change from—		Index April 1934 (average 1929=100)	Percentage change from—		Average in April 1934	Percentage change from—		Average in April 1934	Percentage change from—		Average in April 1934	Percentage change from—	
		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933		March 1934	April 1933
Coal mining:													<i>Cents</i>		
Anthracite.....	58.2	-13.8	+12.8	51.7	-37.3	+38.2	\$25.85	-27.3	+22.5	33.3	-24.3	+29.4	81.1	-0.6	(?)
Bituminous.....	72.2	-7.2	+13.3	51.4	-12.7	+93.2	18.24	-5.9	+70.3	27.1	-20.5	+17.8	68.5	+19.1	+45.3
Metalliferous mining.....	41.7	+4.6	+41.8	27.2	+5.0	+65.9	21.12	+4	+16.8	38.0	-5	+6.4	55.2	+1.3	+12.0
Quarrying and nonmetallic mining.....	48.7	+15.9	+23.9	29.9	+23.9	+48.0	16.00	+6.9	+19.5	34.2	+4.0	-4.3	46.9	+2.6	+27.1
Crude-petroleum producing.....	74.0	+1.6	+30.3	53.4	+1.8	+33.2	27.13	+2	+2.3	35.7	+2.6	-20.5	69.8	-6	+22.6
Public utilities:															
Telephone and telegraph.....	70.2	+3	-2.9	68.8	-2.4	+1.5	26.15	-2.7	+4.5	37.6	-5	+2.5	70.0	-2.0	+2.4
Electric light and power and manufactured gas.....	82.4	+8	+7.2	76.8	+1.6	+10.7	29.66	+8	+3.3	39.4	-8	-6.2	75.2	+1.2	+10.3
Electric-railroad and motor-bus operation and maintenance.....	72.2	+7	+3.9	62.9	+1.0	+8.3	27.71	+3	+4.2	46.5	+9	+2.3	59.3	(?)	+6.5
Trade:															
Wholesale.....	83.9	+4	+14.5	66.8	+1.6	+19.3	26.66	+1.2	+4.2	42.5	+5	-9.2	62.3	+2.0	+16.5
Retail.....	88.2	+1.1	+12.2	71.5	+2.8	+18.4	19.80	+1.7	+5.6	39.8	+1.8	-11.2	50.9	+6	+16.6
Hotels (cash payments only) ³	86.6	+3	+20.4	66.5	-2	+28.6	13.14	-6	+6.8	46.6	-2.5	-7.6	27.2	+1.1	+17.4
Laundries.....	⁴ 80.5	+1.6	+5.2	⁴ 64.4	+2.6	+13.8	15.01	+9	+8.1	39.4	+8	-5.1	38.0	+8	+13.1
Dyeing and cleaning.....	⁴ 79.9	+10.3	+6.7	⁴ 60.8	+17.6	+17.6	18.38	+6.6	+10.3	30.5	+3.7	-15.4	60.5	+3.1	+28.3
Banks, brokerage, insurance, and real estate.....	(?)	⁶ +5	⁶ +3.6	(?)	⁶ +1.7	⁶ +6.3	33.27	⁶ +1.3	⁶ +2.6	(?)	(?)	(?)	(?)	(?)	(?)

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 No change.

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

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

⁵ Not available.

⁶ 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 April 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 roll 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 3.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR NONMANUFACTURING INDUSTRIES, JANUARY 1931 TO APRIL 1934

[12-month average, 1929=100]

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	63.2	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	---	76.1	58.0	30.0	---	82.4	62.6	61.2	---	54.4	30.7	26.9	---
June.....	76.1	53.0	39.5	---	66.7	37.4	34.3	---	73.4	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	69.4	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	68.3	83.2	67.4	67.9	75.5	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	29.7	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	---	49.3	23.8	17.0	---	75.0	50.6	43.4	---	62.3	32.3	23.8	---
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	26.1	67.4	49.0	44.9	42.3	53.4	29.1	24.7	24.1
	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	55.5	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	66.3	44.5	40.1	53.4	88.1	81.2	72.3	70.2	95.0	83.7	67.8	68.8
May.....	67.8	54.5	56.9	---	64.7	47.1	41.6	---	87.4	80.6	70.1	---	94.1	82.8	68.5	---
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	59.5	---	59.2	44.6	42.2	---	86.6	79.1	68.5	---	93.3	79.6	66.7	---
August.....	62.4	57.4	60.8	---	56.3	42.9	42.5	---	85.9	78.1	68.1	---	92.3	79.1	66.1	---
September.....	61.2	56.2	66.2	---	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	73.1	61.7	44.1	44.1	52.4	86.6	79.1	70.4	70.1	93.7	81.1	68.2	69.0

1 Average for 4 months.

TABLE 3.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR NONMANUFACTURING INDUSTRIES, JANUARY 1931 TO APRIL 1934—Continued

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	.....	98.7	84.2	69.9	.....	85.9	76.9	69.1	.....	85.1	72.2	58.2	.....
June.....	97.2	83.2	77.3	.....	98.3	80.5	69.9	.....	85.3	76.5	69.3	.....	84.8	70.2	58.0	.....
July.....	96.7	82.3	77.5	.....	97.4	78.7	70.0	.....	85.6	75.6	69.4	.....	83.3	66.4	57.4	.....
August.....	95.9	81.5	78.1	.....	96.2	76.7	70.9	.....	84.8	74.1	69.5	.....	81.9	63.8	58.2	.....
September.....	94.7	81.0	80.3	.....	94.3	74.7	71.8	.....	84.0	73.5	69.7	.....	81.2	62.5	57.8	.....
October.....	92.7	79.9	82.2	.....	93.2	74.4	76.2	.....	82.7	72.0	70.6	.....	79.0	61.6	59.8	.....
November.....	91.3	79.1	82.6	.....	93.3	73.2	74.5	.....	81.5	71.8	71.0	.....	79.7	61.7	59.4	.....
December.....	90.3	78.4	81.8	.....	91.2	73.2	74.4	.....	79.9	71.4	70.8	.....	77.8	61.9	59.6	.....
Average.....	95.6	83.0	78.8	81.9	96.7	79.8	72.0	75.2	84.7	75.5	70.0	71.4	83.4	68.0	58.9	61.1
	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	.....	84.7	69.7	57.4	.....	89.9	80.9	77.0	.....	88.0	61.1	59.5	.....
June.....	86.8	77.0	75.7	.....	84.6	66.2	57.4	.....	89.1	79.4	78.3	.....	87.6	68.2	60.5	.....
July.....	86.8	76.6	76.7	.....	83.3	64.7	59.1	.....	83.9	74.6	78.3	.....	83.3	63.3	58.1	.....
August.....	86.5	76.4	79.7	.....	82.1	63.2	60.8	.....	81.8	72.6	78.1	.....	80.3	60.7	62.7	.....
September.....	86.1	77.1	82.1	.....	81.4	63.1	62.3	.....	86.6	77.8	86.0	.....	83.5	64.6	69.2	.....
October.....	85.2	77.8	83.5	.....	79.9	63.9	66.0	.....	89.8	81.3	89.6	.....	84.6	67.1	72.3	.....
November.....	84.1	77.6	83.4	.....	79.7	63.3	64.1	.....	90.9	81.7	91.6	.....	85.4	66.9	72.6	.....
December.....	83.7	77.0	83.3	.....	77.8	62.6	64.5	.....	106.2	95.2	105.4	.....	94.1	73.6	80.3	.....
Average.....	86.6	78.2	77.9	83.2	83.6	67.0	60.4	65.3	89.4	80.9	81.7	86.0	86.6	69.4	64.3	69.4
	Laundries ²								Dyeing and cleaning ²							
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	78.7	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	78.9	74.9	79.9	81.9	62.5	51.7	60.8
May.....	94.1	84.8	76.6	.....	90.5	73.9	57.1	.....	89.3	78.0	75.7	.....	82.1	63.8	51.0	.....
June.....	94.8	84.4	79.2	.....	91.2	71.8	59.4	.....	91.4	78.6	79.1	.....	84.5	62.4	53.7	.....
July.....	95.6	83.6	75.5	.....	91.1	69.4	58.7	.....	90.4	78.1	76.6	.....	81.8	56.9	50.0	.....
August.....	94.6	82.2	81.1	.....	88.6	68.9	60.9	.....	86.4	73.4	76.8	.....	73.9	53.4	50.0	.....
September.....	93.0	81.9	82.6	.....	88.0	65.8	63.5	.....	88.0	78.9	81.9	.....	78.3	57.9	57.1	.....
October.....	91.8	80.7	81.3	.....	85.6	64.1	62.5	.....	87.0	76.0	81.6	.....	77.2	55.8	57.4	.....
November.....	89.8	79.4	78.4	.....	82.6	61.9	60.7	.....	83.2	72.0	76.1	.....	70.8	49.6	52.5	.....
December.....	88.8	78.1	78.4	.....	81.0	61.4	61.1	.....	78.4	69.5	70.5	.....	64.4	45.9	47.3	.....
Average.....	93.1	83.5	78.8	79.2	88.3	70.1	59.5	62.6	85.6	75.2	74.3	72.1	76.1	57.3	49.5	51.4
	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	.....	87.7	67.0	51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
June.....	91.6	78.0	73.6	.....	85.4	63.8	52.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
July.....	93.3	78.4	75.6	.....	85.2	61.8	53.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
August.....	92.8	77.6	77.1	.....	83.8	59.6	54.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
September.....	90.6	77.0	78.7	.....	81.9	59.1	55.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
October.....	87.4	75.4	77.0	.....	79.7	58.6	56.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
November.....	84.9	74.3	75.8	.....	77.1	57.5	55.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
December.....	83.1	73.2	77.6	.....	75.4	56.6	57.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average.....	91.7	79.0	74.9	84.8	85.4	64.5	54.4	64.8	.....	.....	.....	.....	.....	.....	.....	.....

¹ Average for 4 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 April 1934

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

	<i>Percent</i>
Total employment.....	+16.5
Total pay rolls.....	+18.7
Total man-hours worked.....	+19.0
Average weekly earnings.....	+1.9
Average hours per week per man.....	+2.9
Average hourly earnings.....	-1.3

The following table is based on returns made by 11,082 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 connected with the erecting, altering, or repairing of 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.

In April 72,087 workers earned in 1 week a total of \$1,610,467, as compared to a total of \$1,356,312 earned by the 61,873 workers employed by the same 11,082 firms in March.

In April the average weekly earnings amounted to \$22.34 as compared to \$21.92 in March. 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 10,410 firms—93.9 percent of the 11,082 cooperating firms—gave the man-hours worked per week by the employees, namely, 1,800,623 in April as compared to 1,513,572 in March.

The average hours per week per man 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 were computed by dividing the pay roll of the 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 APRIL 1934, AND PERCENTAGES OF CHANGE FROM MARCH 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 April 1934	Percent of change from March 1934	April 1934	Percent of change from March 1934	April 1934	Percent of change from March 1934	Number April 1934	Percent of change from March 1934	Apr. 1934	Percent of change from March 1934
All localities.....	11,082	72,087	+16.5	\$1,610,467	+18.7	\$22.34	+1.9	28.6	+2.9	Ct. 77.4	-1.3
Alabama: Birmingham.....	87	516	+57.8	9,012	+83.2	17.47	+16.2	28.3	+16.9	61.7	- .8
California:											
Los Angeles ²	22	1,189	+11.4	24,461	+6.8	20.57	-4.2	(³)	(³)	(³)	(³)
San Francisco-Oakland ²	26	643	+2.6	13,342	-7.9	20.75	-10.3	(³)	(³)	(³)	(³)
Other localities ²	21	403	+1.0	8,922	+3.9	22.14	+2.8	(³)	(³)	(³)	(³)
The State ²	69	2,235	+6.8	46,725	+1.6	20.91	-4.9	(³)	(³)	(³)	(³)
Colorado: Denver.....	213	490	+27.3	10,428	+38.8	21.28	+9.0	26.8	+9.4	80.3	+ .5
Connecticut:											
Bridgeport.....	117	394	+41.7	8,241	+30.3	20.92	-8.0	30.3	-5.3	69.8	-4.5
Hartford.....	265	934	+39.6	19,061	+30.8	20.41	-6.3	30.7	-2.2	66.3	-4.2
New Haven.....	177	947	+34.1	23,894	+34.2	25.23	+1	34.3	+2.4	74.2	-2.1
The State.....	559	2,275	+37.6	51,196	+32.3	22.50	-3.9	32.1	- .9	70.3	-3.3
Delaware: Wilmington.....	109	737	+32.1	14,374	+52.1	19.50	+15.2	31.7	+16.5	61.9	- .5
District of Columbia.....	433	4,733	+9.2	127,807	+11.9	27.00	+2.5	30.6	+4.8	86.3	-2.2
Florida:											
Jacksonville.....	54	155	-1.9	2,633	+12.8	16.99	+15.0	28.0	+18.1	60.5	-2.4
Miami.....	79	610	+5.0	12,096	+13.7	19.83	+8.3	29.2	+5.8	67.9	+2.6
The State.....	133	765	+3.5	14,729	+13.5	19.25	+9.7	29.0	+8.2	66.5	+1.7
Georgia: Atlanta.....	151	998	+11.3	15,426	+14.8	15.46	+3.2	24.8	- .7	58.9	+6.3
Illinois:											
Chicago ²	128	2,652	+58.1	73,182	+71.3	27.60	+8.3	(³)	(³)	(³)	(³)
Other localities ²	83	993	+35.7	23,522	+37.9	23.69	+1.7	(³)	(³)	(³)	(³)
The State ²	211	3,645	+51.3	96,704	+61.7	26.53	+6.9	(³)	(³)	(³)	(³)
Indiana:											
Evansville.....	62	434	+37.8	8,561	+52.6	19.73	+10.8	30.3	-1.9	65.2	+13.2
Fort Wayne.....	97	269	+10.2	4,933	+15.9	18.34	+5.2	25.4	+2.0	72.5	+3.9
Indianapolis.....	169	839	+25.2	16,236	+22.5	19.35	-2.2	28.9	+4.7	67.0	-6.4
South Bend.....	41	251	+41.8	5,591	+49.5	22.27	+5.4	28.2	+6.4	80.0	+2.0
The State.....	369	1,793	+27.5	35,321	+31.5	19.70	+3.1	28.6	+2.9	69.0	+ .7
Iowa: Des Moines.....	96	418	+11.8	9,206	+17.8	22.02	+5.4	28.9	+10.7	77.5	-6.2
Kansas: Wichita.....	64	175	-6.9	2,927	+10.8	16.73	+19.1	27.7	+18.4	60.8	+ .3
Kentucky: Louisville.....	150	1,026	+17.4	20,200	+28.6	19.69	+9.6	31.4	+3.3	61.4	+1.2
Louisiana: New Orleans.....	115	552	+20.5	8,418	+17.3	15.25	-2.6	27.4	-1.1	55.0	-1.6
Maine: Portland.....	104	317	+14.9	6,447	+18.3	20.34	+3.0	28.1	+4.5	72.4	-1.2
Maryland: Baltimore ²	123	1,346	+14.1	27,261	+22.8	20.25	+7.7	33.9	+6.6	57.9	-1.0
Massachusetts: All localities ²	690	4,429	+14.8	106,605	+16.0	24.07	+1.0	30.1	+2.0	80.0	-1.0
Michigan:											
Detroit.....	451	3,088	+6.4	74,092	+1.2	23.99	-5.0	32.6	+2.5	73.8	-7.4
Flint.....	57	149	-15.8	2,881	-17.4	19.34	-1.9	25.0	(⁴)	77.3	-2.0
Grand Rapids.....	99	301	-4.4	5,152	-5.0	17.12	- .6	28.1	- .4	61.0	(⁴)
The State.....	607	3,538	+4.3	82,125	(⁴)	23.21	-4.1	31.9	+2.6	72.9	-6.7

See 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 APRIL 1934, AND PERCENTAGES OF CHANGE FROM MARCH 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 April 1934	Percent of change from March 1934	April 1934	Percent of change from March 1934	April 1934	Percent of change from March 1934	Number April 1934	Percent of change from March 1934	Apr. 1934	Percent of change from March 1934
Minnesota:											
Duluth.....	53	274	+9.6	\$4,922	+7.5	\$17.96	-2.0	29.1	+13.2	61.3	-14.6
Minneapolis.....	231	1,201	+31.5	26,463	+38.8	22.03	+5.5	29.2	+5.8	75.6	-8.5
St. Paul.....	174	809	+20.0	20,028	+23.4	24.76	+2.8	31.2	+1.0	79.3	+1.7
The State.....	458	2,284	+24.3	51,413	+29.0	22.51	+3.7	29.9	+4.5	75.3	-1.4
Missouri:											
Kansas City ⁶	298	1,532	+8.6	37,166	+20.3	24.26	+10.8	27.8	+7.3	87.5	+2.1
St. Louis.....	602	2,799	+15.7	73,626	+8.6	26.30	-6.1	26.4	-6.0	99.2	-7.7
The State.....	900	4,331	+13.1	110,792	+12.3	25.58	-7.7	26.9	-1.5	95.0	(*)
Nebraska: Omaha.....											
	155	788	+29.4	16,811	+36.9	21.33	+5.8	30.8	+2.0	69.4	+3.9
New York:											
New York City ²	333	5,147	+4.6	159,656	+6.3	31.02	+1.6	27.9	+7.7	111.1	+9.9
Other localities ²	254	4,863	+31.5	109,382	+33.8	22.49	+1.7	29.5	+6.5	76.4	-4.1
The State ²	587	10,010	+16.2	269,038	+16.0	26.88	-1.1	28.7	+3.6	93.8	-3.4
North Carolina: Charlotte.....											
	56	296	-5.1	4,500	-9.0	15.20	-4.2	29.2	-2.3	52.0	-1.9
Ohio:											
Akron.....	88	328	+40.2	5,846	+46.7	17.82	+4.6	26.0	+6.1	68.4	-1.6
Cincinnati ⁷	463	1,776	+31.8	40,718	+44.0	22.93	+9.3	29.0	+7.4	79.2	+1.8
Cleveland.....	632	2,155	+17.8	57,069	+27.1	26.48	+7.9	26.0	+4.4	102.0	+4.4
Dayton.....	131	450	+14.2	9,323	+23.8	20.72	+8.4	30.1	+7.5	68.6	-1.9
Youngstown.....	78	290	+45.7	6,159	+58.6	21.24	+8.9	26.1	+8.8	81.4	+2.3
The State.....	1,392	4,999	+24.8	119,115	+34.5	23.83	+7.7	27.5	+6.2	86.3	+2.2
Oklahoma:											
Oklahoma City.....	98	373	-18.4	6,837	-8.5	18.33	+12.0	26.7	+7.2	68.8	+4.1
Tulsa.....	49	212	+34.2	4,114	+36.9	19.41	+2.0	30.5	+8.2	66.3	-5.3
The State.....	147	585	-4.9	10,951	+4.5	18.72	+9.9	28.1	+8.9	67.8	+1.0
Oregon: Portland.....											
	208	818	+22.5	17,662	+41.3	21.59	+15.3	28.5	+14.5	75.9	+8.8
Pennsylvania:⁸											
Erie area ²	25	356	-8.0	3,317	-3.5	9.32	+5.0	13.8	+17.9	64.6	-4.4
Philadelphia area ²	435	3,851	+15.6	73,812	+18.3	19.17	+2.4	28.6	+3.2	67.5	-3.3
Pittsburgh area ²	236	1,415	-8.8	33,788	-4.0	23.88	-3.2	27.8	+6.1	89.3	-1.9
Reading-Lebanon area ²	44	313	+26.2	6,107	+39.4	19.51	+10.4	31.1	+15.6	62.8	-4.6
Scranton area ²	27	163	+19.0	3,489	+11.6	21.40	-6.2	30.6	-6.7	69.9	+1.1
Other areas ²	308	2,324	+8.1	41,073	+8.9	17.67	+7.7	27.7	+3.0	63.0	-2.6
The State ²	1,075	8,422	+9.6	163,001	+12.5	19.35	+2.6	27.8	+4.9	69.6	-2.0
Rhode Island: Providence.....											
	244	1,449	+40.7	30,168	+44.3	20.82	+2.6	30.3	+4.5	69.0	-2.1
Tennessee:											
Chattanooga.....	37	147	-5.8	2,339	+1.1	15.91	+7.3	27.4	-2.1	57.7	+9.9
Knoxville.....	43	247	+6.5	4,306	+19.7	17.43	+12.4	28.9	+3.6	60.4	+8.8
Memphis.....	82	682	+21.6	8,963	-10.9	13.14	-26.8	18.7	-39.3	70.2	+21.0
Nashville.....	87	792	+16.8	12,785	+26.2	16.14	+8.0	30.2	+7.1	52.2	-4.4
The State.....	249	1,868	+14.8	28,393	+8.8	15.20	-5.3	25.6	-11.7	58.8	+7.1

See 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 APRIL 1934, AND PERCENTAGES OF CHANGE FROM MARCH 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 April 1934	Percent of change from March 1934	April 1934	Percent of change from March 1934	April 1934	Percent of change from March 1934	Number April 1934	Percent of change from March 1934	Apr. 1934	Percent of change from March 1934
Texas:											
Dallas.....	206	732	+3.7	\$11,747	+12.0	\$16.05	+8.1	26.1	-4.4	61.2	+14.2
El Paso.....	27	117	+2.6	1,941	+12.7	16.59	+9.8	28.8	+7.5	58.1	+3.0
Houston.....	191	994	+6.2	16,861	+5.9	16.96	-4	26.7	-3.6	61.9	+2.0
San Antonio.....	119	343	-7.5	4,794	+4.1	13.98	+12.7	24.1	+3.9	58.1	+10.9
The State.....	543	2,186	+2.8	35,343	+8.0	16.17	+5.1	26.2	-1.9	60.8	+7.6
Utah: Salt Lake City....	91	241	+77.2	4,811	+78.6	19.96	+8	26.7	+5.1	74.8	-2.9
Virginia:											
Norfolk-Portsmouth....	88	456	+3.9	8,327	-3.8	18.26	-7.4	29.4	+7	62.1	-7.3
Richmond.....	128	694	+17.8	13,221	+12.2	19.05	-4.7	30.5	-4.7	62.6	-9
The State.....	216	1,150	+11.9	21,548	+5.5	18.74	-5.7	30.0	-2.3	62.4	-3.9
Washington:											
Seattle.....	177	771	-1.0	14,822	+4.3	19.22	+5.3	23.9	+4.8	80.1	-1
Spokane.....	57	391	+21.1	10,065	+31.8	25.74	+8.9	33.8	+3.4	76.2	+5.5
Tacoma.....	93	186	-27.9	3,162	-39.4	17.00	-16.0	21.6	-9.2	78.5	-7.5
The State.....	327	1,348	-9	28,049	+3.6	20.81	+4.6	26.4	+3.9	78.5	-1
West Virginia: Wheeling.	46	128	+42.2	2,492	+54.2	19.47	+8.4	28.7	+9.1	69.2	-4
Wisconsin: All localities ² .	104	614	+8	11,469	-2.9	18.68	-3.7	29.7	+8.8	58.8	-5.3

¹ Averages computed from reports furnished by 10,410 firms.

² Data supplied by cooperating State bureaus.

³ Data not available.

⁴ No change.

⁵ Less than 1/10 of 1 percent.

⁶ Includes both Kansas City, Mo., and Kansas City, Kans.

⁷ Includes Covington and Newport, Ky.

⁸ Each separate area includes from 2 to 8 counties.

Trend of Employment in April 1934, by States

FLUCTUATIONS in employment and pay-roll totals, in April 1934 as compared with March 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, information concerning which is shown by city and State totals under 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 MARCH AND APRIL 1934, BY STATES

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

State	Total—all groups					Manufacturing				
	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934
Alabama.....	566	71,573	+1.0	\$970,353	+1.8	239	52,923	+1.3	\$722,549	+6.1
Arizona.....	410	10,421	+2.5	206,903	+3.2	56	2,351	+2.4	45,407	+3.2
Arkansas.....	<i>1,721</i>	<i>26,569</i>	-	<i>332,044</i>	+2	<i>303</i>	<i>17,634</i>	-7	<i>232,681</i>	-1.2
California.....	<i>2,1,892</i>	<i>273,088</i>	+2.3	<i>6,396,138</i>	-8	<i>1,081</i>	<i>155,780</i>	+3.4	<i>3,458,430</i>	+5
Colorado.....	824	32,749	+1.6	708,104	+4.3	172	13,548	+7.0	296,869	+11.3
Connecticut.....	1,203	171,019	+9	3,406,064	+1.8	713	149,880	+9	2,853,182	+2.0
Delaware.....	166	11,209	+1.1	230,122	+1	65	8,128	+1.2	154,174	+4
Dist. of Columbia.....	602	34,703	+2.7	805,338	+2.9	52	3,562	+2.7	110,501	+3.4
Florida.....	750	33,282	-11.1	549,962	-8.4	203	17,240	-9.7	256,629	-2.8
Georgia.....	1,081	102,287	-1.5	1,441,059	+9	350	82,989	-1.9	1,065,680	+6
Idaho.....	239	7,564	+4.2	142,962	+4.6	45	2,856	+19.1	52,797	+21.7
Illinois.....	<i>3,178</i>	<i>377,819</i>	+1.7	<i>8,161,353</i>	+2.1	<i>1,465</i>	<i>233,442</i>	+1.9	<i>4,779,279</i>	+3.6
Indiana.....	1,377	150,414	+2.7	3,057,779	+4.7	648	117,410	+2.4	2,393,800	+5.4
Iowa.....	1,197	50,274	+2.8	972,711	+4.1	442	29,134	+5.8	569,003	+8.6
Kansas.....	<i>4,1,955</i>	<i>72,398</i>	+2.4	<i>1,599,956</i>	+5.0	<i>487</i>	<i>30,191</i>	+2.7	<i>627,193</i>	+2.6
Kentucky.....	987	74,151	+1.2	1,301,076	-2.0	284	28,579	-1.4	504,238	+1.1
Louisiana.....	498	36,826	+1.7	587,655	+1.2	226	23,260	+1.0	319,237	-1
Maine.....	591	50,970	+2.2	887,372	+1.4	251	44,671	+1.4	751,504	+5
Maryland.....	<i>1,599</i>	<i>111,506</i>	+1.8	<i>2,249,962</i>	+2.3	<i>632</i>	<i>78,072</i>	+5.4	<i>1,497,623</i>	+5.6
Massachusetts.....	<i>4,8,166</i>	<i>422,427</i>	+1.6	<i>8,819,090</i>	-3	<i>1,391</i>	<i>239,053</i>	+1.0	<i>4,594,680</i>	+2
Michigan.....	2,364	447,054	+4.7	11,383,590	+7.8	1,155	450,048	+5.2	11,273,037	+7.3
Minnesota.....	1,182	72,854	+2.0	1,557,025	+5.3	372	34,977	+4.2	703,686	+4.8
Mississippi.....	386	11,808	-7	157,227	-1.2	96	7,814	-1.7	96,940	-1
Missouri.....	1,504	129,491	+1.5	2,645,677	+1.1	709	76,321	+2.2	1,474,169	+2.0
Montana.....	392	10,507	+7	253,855	-2.1	73	2,516	-2.5	57,879	-3.0
Nebraska.....	768	23,026	+4	494,662	+1.4	138	10,954	+2	231,962	+5
Nevada.....	133	1,891	+8.5	46,518	+7.7	25	292	+10.2	7,330	+13.3
New Hampshire.....	526	45,548	+1.0	806,564	+ ^(c)	212	40,853	+7	701,724	-7
New Jersey.....	1,655	220,705	-1	4,946,225	+8	<i>7,727</i>	<i>202,660</i>	-2	<i>4,382,444</i>	+1.3
New Mexico.....	203	5,082	+1.5	88,155	+1.5	27	335	+13.9	6,137	+9.6
New York.....	8,180	626,024	+1.2	15,556,623	+8	<i>8,168</i>	<i>384,562</i>	+1.3	<i>8,976,081</i>	+1.1
North Carolina.....	956	143,649	+1.5	1,928,565	+3.9	585	136,658	+1.5	1,817,995	+3.8
North Dakota.....	329	3,990	+5	82,524	+3.1	52	648	+2.3	20,184	+9.4
Ohio.....	5,550	489,231	+3.2	10,745,085	+6.7	2,225	366,707	+3.5	8,102,374	+8.4
Oklahoma.....	929	33,114	+3	649,070	+7	159	11,534	+3	209,100	+9
Oregon.....	774	31,835	+4.1	671,499	+4.5	232	19,840	+6.1	384,673	+7.9
Pennsylvania.....	5,086	691,769	-1.1	14,604,172	-5.4	<i>1,822</i>	<i>408,742</i>	+1.5	<i>7,646,821</i>	+3.4
Rhode Island.....	905	63,170	-1.1	1,205,721	-7	276	50,190	-1.8	905,000	-8
South Carolina.....	478	69,232	+1.2	891,856	+1.8	215	64,335	+1.1	817,223	+1.8
South Dakota.....	267	6,087	+1.1	144,223	-7	49	2,094	+1	40,307	-3.3
Tennessee.....	808	76,196	+2.1	1,175,093	+1.3	311	58,719	+4.5	868,837	+4.2
Texas.....	960	77,370	+1.1	1,631,151	+1.8	572	43,315	+4	867,153	+3
Utah.....	339	11,774	+1	233,569	+1.8	107	3,907	+6.7	68,034	+6.5
Vermont.....	406	10,892	+1.0	204,886	+1.3	137	6,188	+1	117,895	+1.9
Virginia.....	1,353	92,934	+5	1,554,005	+3	455	69,622	+1.1	1,102,008	- ^(c)
Washington.....	1,171	58,053	+1.7	1,240,924	+2.6	362	32,998	+3.5	662,511	+5.2
West Virginia.....	912	119,763	-6.7	2,546,129	-2.3	201	51,032	+3.7	1,084,443	+11.1
Wisconsin.....	<i>9,1,053</i>	<i>156,839</i>	+2.2	<i>2,996,158</i>	+2.1	<i>776</i>	<i>125,753</i>	-6	<i>2,373,655</i>	+8
Wyoming.....	200	5,805	-9	143,571	+5.2	32	1,398	+4.7	37,548	+8.7

¹ Includes automobile dealers and garages, and sand, gravel, and building stone.² Includes banks, insurance, and office employment.³ Includes building and contracting.⁴ Includes construction, municipal, agricultural, and office employment, amusement and recreation professional, and transportation services.⁵ Weighted percent of change.⁶ Less than 1/10 of 1 percent.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 MARCH AND APRIL 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, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934
Alabama	13	522	+1.6	\$14,604	-11.6	74	2,405	-8.3	\$41,056	-5.9
Arizona	23	237	+9	5,918	+4.8	176	2,064	-1	32,316	+3.2
Arkansas	88	1,318	-5	32,684	+1.9	168	2,411	(10)	41,616	+2.9
California	105	5,786	+1.5	161,405	-1.4	123	26,484	+1.9	651,796	-2.2
Colorado	24	683	+1	21,013	+8.2	222	4,156	+2.9	82,489	+1.8
Connecticut	55	1,081	+5	30,858	-1.7	127	4,956	+1.9	99,441	+2.5
Delaware	8	124	-5.3	2,618	+1.3	35	618	+4.6	11,992	+1.1
Dist. of Columbia	33	883	+3.8	26,998	+5.8	388	12,247	+3.1	251,889	+4.2
Florida	83	1,372	-2.6	32,381	-1.6	110	3,121	-3.9	57,038	-4.2
Georgia	36	681	-9	17,810	-1.0	364	4,870	-3	79,370	+2.2
Idaho	11	144	+2.1	3,839	+6	59	784	-14.6	11,941	-10.5
Illinois	198	5,297	+9	133,690	-5	732	35,758	+8	738,114	+6
Indiana	75	1,838	+6.3	42,284	+4.6	199	7,172	+4.5	127,076	+3.9
Iowa	38	1,223	+3.2	31,541	+8.1	119	3,657	+6.2	64,320	+5.8
Kansas	163	2,755	+1.2	63,350	+(0)	836	8,322	+1.4	148,553	+2.3
Kentucky	23	446	+5	9,076	+1.1	88	3,950	+1.0	67,200	+1.1
Louisiana	26	636	-2.3	15,439	+1.7	25	3,272	+10.3	47,628	+1.6
Maine	18	458	-9	10,920	+1.3	68	963	+1.2	17,023	-9
Maryland	199	2,317	+4	72,244	+1.2	544	13,851	+3	263,012	+3.6
Massachusetts	777	15,044	-1.4	395,048	+1	4,105	65,553	+9	1,268,824	+2
Michigan	66	1,907	+1.3	54,885	+6.5	744	15,819	+7	327,517	+6.2
Minnesota	79	5,102	-3.3	138,150	+2.3	257	8,803	-3.8	140,973	+6
Mississippi	4	122	-2.4	2,427	-9	27	464	+6.4	4,805	+2.9
Missouri	62	5,196	+3	140,069	+1.9	147	10,382	+3.4	188,968	+3.9
Montana	13	236	+1.7	7,480	+9.3	84	817	+5	17,203	+1.9
Nebraska	33	945	+2.9	25,195	+5.5	187	1,870	+3.6	34,513	+1.3
Nevada	7	105	+1.9	3,368	+5.2	26	221	+11.1	5,346	+12.4
New Hampshire	14	164	-2.4	4,506	-7	69	826	-2.0	12,607	-1.6
New Jersey	22	624	-8	17,275	-3	417	8,862	+6	195,589	+7
New Mexico	6	92	+5.7	3,152	+3.1	44	294	-7	6,239	+3.4
New York	401	12,254	+2	359,383	+8	4,109	92,003	+1.6	2,072,103	+3.6
North Carolina	15	194	+6.6	4,279	+4.5	161	1,230	-1.0	16,826	+2.0
North Dakota	13	214	+5	6,117	+3.8	13	295	+6.9	4,501	+6.9
Ohio	230	5,246	+2.2	133,825	+3.0	1,788	41,270	+3.0	763,835	+7.0
Oklahoma	49	945	-3	21,657	+2.8	219	3,418	+5.4	67,064	+8.1
Oregon	45	1,278	+1.9	33,988	+6.3	197	2,139	-9	44,861	+3.3
Pennsylvania	131	3,414	-1	90,439	-3	391	29,765	-6.0	588,779	+4
Rhode Island	39	766	-1.3	19,250	-3.0	465	5,641	+2.6	105,196	+6
South Carolina	16	239	+2.1	5,492	+3	117	1,265	+4	14,888	+9
South Dakota	7	96	+2.1	2,580	+9.4	11	57	-12.3	980	-10.7
Tennessee	33	781	+3.0	14,026	+9	72	3,998	-8	65,734	+5
Texas	102	2,952	-9	72,501	-4	77	7,027	+4.0	115,674	+4.4
Utah	14	476	+1.9	12,103	-6	66	543	+3.4	14,123	+19.1
Vermont	5	114	-5.0	2,682	+1	38	479	+11.1	7,143	+6.2
Virginia	41	1,030	-5.1	25,666	-2.8	476	5,684	+1	96,839	+2.3
Washington	101	2,267	+3.4	62,443	+5.9	326	6,611	+3.5	122,571	+3.8
West Virginia	28	574	+1.8	14,455	+5.5	56	962	-1.0	17,731	+5.6
Wisconsin	47	2,224	-7	48,583	-1.6	53	10,888	+11.2	148,076	+7.6
Wyoming	8	63	+3.3	1,820	+6.0	42	256	-8	5,401	+1.8

* Less than 1/10 of 1 percent.

† No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN MARCH AND APRIL 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, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934
Alabama	17	693	-3.7	\$7,275	-11.1	9	1,440	+0.7	\$21,020	-2.9
Arizona	3	42	-2.3	635	+8.0	21	2,686	+9.7	64,353	+8.2
Arkansas	9	208	-10.3	2,849	-6.1	3	395	+3.9	6,148	+7.2
California	54	1,141	+8.9	22,851	+6.3	35	2,889	+1.6	63,251	-6.0
Colorado	5	43	+43.3	453	+20.8	13	1,084	+4.4	30,094	+4.0
Connecticut	23	281	+47.9	4,904	+93.4					
Delaware	3	58	-6.5	1,013	+8.2					
Dist. of Columbia										
Florida	17	891	+2.4	10,875	+2.6					
Georgia	24	1,258	-6	12,096	-2.2					
Idaho						10	2,134	+1.8	45,811	-7
Illinois	20	569	+19.8	10,238	+30.1					
Indiana	74	1,495	+20.0	22,942	+26.1					
Iowa	29	496	+33.3	7,374	+33.6					
Kansas	37	1,344	+6	24,893	-6	17	1,286	+49.2	20,709	+32.2
Kentucky	39	991	+10.5	12,096	+27.2					
Louisiana	12	446	-1.1	6,077	+4.5					
Maine	12	559	+528.1	11,863	+821.0					
Maryland	9	251	+44.4	3,215	+61.2					
Massachusetts	19	397	+46.5	8,450	+61.7					
Michigan	52	1,484	+9.4	25,970	+19.8	38	4,530	+2.4	77,235	+15.7
Minnesota	23	244	+29.1	3,779	+17.3	32	1,315	+21.3	25,081	+17.8
Mississippi	9	152	-23.6	2,542	-3.1					
Missouri	49	1,325	+46.7	18,927	+49.5	14	1,747	+4.4	20,200	+5.2
Montana	7	62	+37.8	923	+16.7	17	2,644	+2.4	71,746	-5
Nebraska	11	131	+48.9	2,099	+107.6					
Nevada						15	607	+13.5	14,334	+5.0
New Hampshire	11	248	+140.8	6,685	+236.9					
New Jersey	36	569	+22.1	10,149	+15.6	3	15	-6.2	354	+11.0
New Mexico						5	929	+1.4	17,397	+1.3
New York	79	2,340	+48.5	46,001	+45.8					
North Carolina	14	439	-8.7	7,187	+15.6					
North Dakota										
Ohio	137	3,401	+14.2	54,610	+24.9					
Oklahoma	16	169	+7.0	1,945	+9.3	32	1,239	+6	19,669	+4.7
Oregon	3	26	⁽¹⁰⁾	595	+1.7	6	88	+76.0	1,592	+47.4
Pennsylvania	165	4,993	+23.7	80,272	+40.9					
Rhode Island										
South Carolina	4	116	+8.4	1,145	+4.3					
South Dakota	6	59	+55.3	918	+51.5					
Tennessee	25	826	-35.8	10,394	-37.5	4	295	+7.3	6,323	+24.6
Texas	23	1,490	+1.1	27,273	+2.8					
Utah	7	106	+7.1	1,607	-5.2	12	2,127	+3.0	44,721	+2.2
Vermont	37	2,038	+2.3	36,609	+1.9					
Virginia	29	979	+24.2	12,130	+29.8					
Washington	12	275	+3.0	5,522	+12.6					
West Virginia	20	882	+11.1	12,587	+25.4					
Wisconsin	14	239	+58.3	3,489	+34.1	⁽¹¹⁾	215	+9	4,758	+2.9
Wyoming										

¹⁰ No change.

¹¹ Not available.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS
IN MARCH AND APRIL 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, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934
Alabama	48	8,791	+2.7	\$83,481	-22.5					
Arizona										
Arkansas						8	487	+0.4	\$11,579	+2.0
California						41	8,790	+1.8	275,081	+3.7
Colorado	46	3,651	-11.9	53,239	-15.5					
Connecticut										
Delaware										
Dist. of Columbia										
Florida										
Georgia										
Idaho										
Illinois	52	7,778	-9.0	122,199	-25.7	8	207	+2.5	4,407	+1.3
Indiana	53	6,238	-1	119,209	-13.0	5	39	+2.6	676	-2.6
Iowa	24	1,300	-35.1	14,178	-57.2					
Kansas	22	565	-68.2	10,480	-66.2	30	1,747	+2.9	38,451	+1.9
Kentucky	146	28,324	+2.8	477,040	-7.6	5	241	-2.8	3,260	-10.1
Louisiana						7	247	-1.6	7,334	+26.1
Maine										
Maryland	14	1,339	-11.7	17,622	-38.2					
Massachusetts										
Michigan	3	748	-6.6	13,862	-27.1					
Minnesota										
Mississippi										
Missouri	17	485	-66.7	4,987	-75.4					
Montana	11	841	-9	17,354	+5.7	4	47	+38.2	989	+37.6
Nebraska										
Nevada										
New Hampshire										
New Jersey										
New Mexico	14	1,739	-3.8	27,416	-4.1	5	73	+14.1	1,692	+11.3
New York						5	340	+1.5	7,427	+3.4
North Carolina										
North Dakota	8	507	-9.0	8,892	-7.7					
Ohio	81	14,189	+2	239,366	-21.9	6	60	-1.6	727	-8.7
Oklahoma	15	247	-60.6	3,985	-42.8	64	5,948	+2.0	133,556	-1.1
Oregon										
Pennsylvania	466	73,961	-6	1,358,492	-7.5	21	807	-4.4	19,262	+5.6
Rhode Island										
South Carolina										
South Dakota										
Tennessee	19	1,890	-31.9	29,158	-35.6					
Texas	5	351	-1.7	5,833	+9.0	3	6,488	+7	213,705	+7.3
Utah	10	972	-23.8	18,817	-16.3					
Vermont										
Virginia	24	4,558	+1.2	85,274	+3.2					
Washington	11	647	-52.0	11,061	-58.5					
West Virginia	373	57,154	-15.6	1,205,176	-12.5	9	412	+1.7	8,161	-9.6
Wisconsin										
Wyoming	29	3,071	-4.4	75,134	+4.9	5	133	(1)	4,001	+4.7

¹ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN MARCH AND APRIL 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, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934
Alabama.....	88	1,775	+2.8	\$42,148	+10.4	23	1,364	+4.2	\$11,996	+4.3
Arizona.....	67	1,443	+2.3	33,808	-9	22	882	-6.5	11,445	-5.7
Arkansas.....	36	<i>2,167</i>	-1.2	<i>46,476</i>	+1.7	47	<i>1,805</i>	+7.3	<i>11,042</i>	+2.8
California.....	47	<i>44,843</i>	+1.0	<i>1,180,371</i>	-4.2	180	<i>9,796</i>	+1.5	<i>150,049</i>	+1.3
Colorado.....	198	5,416	-6	141,389	+1.9	55	1,211	+3	15,592	+2.4
Connecticut.....	130	9,616	(^o)	294,523	-1.1	30	1,208	-1.3	15,971	+1.5
Delaware.....	28	1,092	+1.1	30,364	-2.6	4	263	-1.1	3,564	-2.0
Dist. of Columbia.....	21	8,992	+9	251,076	+5	44	4,930	+5.1	72,687	+5.7
Florida.....	157	4,485	-5	113,217	-7.0	121	4,223	-33.0	43,065	-41.4
Georgia.....	186	6,678	+1.2	182,457	+2.1	36	1,776	+8	15,458	-3.9
Idaho.....	56	733	-8.0	14,477	-8.8	20	362	+8	4,220	-4
Illinois.....	82	<i>72,377</i>	+8	<i>1,969,960</i>	-5	¹² <i>2,428</i>	<i>14,361</i>	+2.8	<i>224,433</i>	+2.8
Indiana.....	135	9,466	+2.0	241,244	+7.0	67	3,135	+7.8	33,138	+5.2
Iowa.....	421	9,001	+6	208,288	+2.1	60	2,893	+1.0	25,984	-4
Kansas.....	¹³ <i>141</i>	<i>6,436</i>	+3.1	<i>155,672</i>	+9.7	38	<i>848</i>	+2.0	<i>9,153</i>	+5.3
Kentucky.....	289	6,224	+1.0	145,261	+6	37	2,177	+11.0	21,433	+10.2
Louisiana.....	151	5,780	+1.1	146,438	+2.2	22	2,171	+6	24,152	+2.4
Maine.....	170	2,745	-1.7	70,571	-3.7	20	599	+7	7,595	-6
Maryland.....	94	<i>12,293</i>	+5	<i>350,171</i>	+1	22	<i>722</i>	-3.5	<i>9,346</i>	-1.2
Massachusetts.....	128	46,592	+1	1,318,432	-3.9	66	5,310	-1.3	74,561	+1.6
Michigan.....	421	27,843	+7	830,349	-8	96	5,373	+2.3	70,814	+2.6
Minnesota.....	226	12,233	+3	333,270	+5.2	75	3,382	+2.5	40,845	+2.0
Mississippi.....	190	1,734	+1.6	34,324	-6.9	23	888	+2.7	7,379	+8.1
Missouri.....	213	20,445	+9	542,212	-1.2	94	5,319	+1.9	65,053	+9
Montana.....	103	2,032	+1.3	56,297	-9.8	31	518	+1.0	7,584	+2.4
Nebraska.....	301	5,681	+1.3	145,640	+2.2	48	1,704	-9.2	17,911	-7.1
Nevada.....	37	5,767	+5.0	11,582	+9.3	17	188	+1.1	2,769	-2.0
New Hampshire.....	140	2,243	(^o)	57,710	-1.6	12	288	-3.7	3,462	-2.1
New Jersey.....	265	21,411	+5	610,632	-2.7	89	4,440	+13.2	53,755	+12.5
New Mexico.....	54	619	+4.4	13,064	+5.1	23	630	+6.1	6,494	+9.1
New York.....	884	119,786	+1	3,661,060	-2.9	186	24,924	-5	403,844	-1.7
North Carolina.....	86	1,613	+3.0	37,763	+11.6	39	1,947	+5.3	17,862	+3.8
North Dakota.....	171	1,221	+8	30,127	+2.9	20	336	+5.7	3,376	+2.1
Ohio.....	483	34,492	+1.4	945,769	+3.7	141	9,175	+1.1	116,040	-1
Oklahoma.....	245	6,089	+2.3	138,282	+1	63	1,616	-1.3	17,181	-4
Oregon.....	181	5,572	+1.0	144,758	-1.9	64	1,377	+1.0	17,091	-3.8
Pennsylvania.....	<i>769</i>	<i>54,273</i>	+2	<i>1,655,928</i>	+2.2	155	9,366	+1.3	124,215	+3
Rhode Island.....	42	3,380	-1.8	94,875	-4.7	19	484	+4	6,568	-1
South Carolina.....	72	1,946	+2.5	38,024	+1.5	21	637	+4.3	5,652	+7.8
South Dakota.....	129	1,008	+2.6	24,549	+1.8	22	378	+8	4,468	+1.1
Tennessee.....	245	4,822	+5.0	107,140	+1	36	2,180	+2.1	18,502	+6
Texas.....	141	<i>7,925</i>	+3.7	<i>204,383</i>	+2.3	<i>42</i>	<i>3,172</i>	+1.7	<i>40,457</i>	+3.4
Utah.....	70	1,770	-1.3	37,729	+1.0	17	747	+3	9,740	+1.3
Vermont.....	124	1,119	-1.1	25,986	-3.5	21	464	+3.6	4,620	+2.3
Virginia.....	179	5,953	+5	142,956	-2.7	83	2,151	+6.0	22,015	+4.9
Washington.....	196	9,848	+1.4	272,539	+2.0	45	2,692	+3.1	31,268	+3
West Virginia.....	120	6,079	+9	159,849	-1	37	1,213	-6	12,975	-2
Wisconsin.....	¹⁴ <i>11</i>	<i>10,638</i>	+1.4	<i>311,791</i>	+3.2	¹² <i>43</i>	<i>1,406</i>	(¹)	(¹)	-----
Wyoming.....	48	454	+7	10,789	-1.3	12	111	+3.7	1,559	+4.8

^o Less than 1/10 of 1 percent.

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 MARCH AND APRIL 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, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934	Number of establishments	Number on pay roll, April 1934	Percentage of change from March 1934	Amount of pay roll (1 week), April 1934	Percentage of change from March 1934
Alabama.....	18	945	-4.3	\$9,305	+11.3	13	207	-1.4	\$2,528	+1.8
Arizona.....	11	455	-3.0	6,386	-2.0	4	49	(10)	839	-5.2
Arkansas.....	28	730	+2.0	7,298	-(9)	10	116	+20.8	1,357	+7.5
California.....	15 65	5,184	+5	94,526	+2					
Colorado.....	35	1,300	+5	16,998	+2.1	18	252	+5.9	4,555	+10.1
Connecticut.....	41	1,630	+1.9	26,884	+3.9	15	293	+5.4	6,448	+13.1
Delaware.....	4	293	-1.0	4,935	+1	3	63	+5.0	1,167	+12.6
Dist. of Columbia.....	20	2,606	+3.5	40,296	+4.7	5	121	+7.1	2,415	+11.9
Florida.....	21	1,115	-4.9	12,106	-10.4	18	185	+4.5	2,625	+5.8
Georgia.....	32	2,576	+2.1	28,332	+4.3	12	202	+5.8	2,676	+7.5
Idaho.....	19	363	-3	5,518	+1.3					
Illinois.....	15 83	3,399	+2.8	54,470	+3.6					
Indiana.....	42	1,846	+1.9	26,526	+6.2	33	531	+8.8	9,251	+16.5
Iowa.....	36	1,326	+1.6	18,836	+4.6	12	183	+10.2	3,244	+15.2
Kansas.....	15 37	1,046	+1.7	13,847	+3.9					
Kentucky.....	42	1,930	+3.5	24,650	+6.1	13	427	+4.9	6,324	+11.2
Louisiana.....	8	496	+2.5	5,172	+6.4	11	174	+6.1	2,295	+9.5
Maine.....	28	577	+1.9	8,548	+3.2	7	132	+12.8	2,551	+18.2
Maryland.....	24	1,855	+3.1	27,049	+2.9	11	256	+4.5	4,680	+9.9
Massachusetts.....	120	4,791	+1.3	79,842	+3.7	77	2,033	+11.3	38,993	+16.7
Michigan.....	58	2,853	+1.8	42,963	+7.2	27	973	+13.9	21,534	+29.6
Minnesota.....	47	1,858	+2.2	29,510	+3.8	18	358	+8.8	10,030	+12.1
Mississippi.....	11	328	+9	3,043	+2.6	10	196	+15.2	1,546	+11.5
Missouri.....	50	2,791	+1.5	38,094	+3.4	38	804	+8.5	14,377	+12.6
Montana.....	19	491	+2.9	8,340	+4.1	8	58	+7.4	1,174	+8.8
Nebraska.....	14	850	-1	12,234	+1.5	15	308	+6.9	5,422	+13.2
Nevada.....	4	50	+4.2	942	+4.3					
New Hampshire.....	22	347	+1.8	5,017	+3.7	6	95	+20.3	1,612	+21.8
New Jersey.....	47	4,801	+1.3	87,449	+2.0	13	285	+4.0	7,051	+9.3
New Mexico.....	7	230	+3.6	3,224	+3.4	4	23	(10)	372	-3.1
New York.....	73	7,243	+2.7	118,271	-3.6	17	624	+10.8	13,054	+24.9
North Carolina.....	14	779	+4	8,658	+2.3	14	185	+3.9	2,391	+10.4
North Dakota.....	9	161	-6	2,331	+3.6	4	36	-2.7	571	+2.9
Ohio.....	71	3,858	+1.3	62,701	+6.2	90	2,610	+15.5	48,928	+27.0
Oklahoma.....	24	989	+1.2	12,665	+3.2	16	253	+4.5	3,582	+4.8
Oregon.....	9	269	+4	4,157	-2.0	5	65	(10)	1,279	+3.2
Pennsylvania.....	39	2,742	+9	42,846	+3.2	35	1,706	+11.9	33,615	+21.1
Rhode Island.....	26	1,224	+2.9	20,713	+4.8	6	385	+18.5	7,169	+25.4
South Carolina.....	10	422	+2	4,443	+5.4	12	154	+5.5	1,782	+9.4
South Dakota.....	8	205	-5	2,876	+2.8	3	33	+3.1	664	+12.0
Tennessee.....	15	1,438	+5.0	13,872	+4.9	11	166	+7.8	2,087	+6.8
Texas.....	38	1,931	+6	23,168	+3.8	25	539	+8.0	9,096	+12.2
Utah.....	9	537	+2	7,889	+2.9	12	120	(10)	2,365	+2.4
Vermont.....	11	193	(10)	2,420	-5	5	75	+13.6	1,102	+19.9
Virginia.....	19	950	+3	11,098	-1.5	43	541	+2.9	8,093	+5.8
Washington.....	16	656	-2.5	11,825	-3	13	235	+9.3	4,710	+15.0
West Virginia.....	15	567	+5.2	7,781	+10.2	9	228	+10.7	3,479	+14.8
Wisconsin.....	15 28	977	+4.2	15,537	+5.6					
Wyoming.....	7	135	+9.8	2,432	+9.1	3	21	(10)	412	+2.7

* Less than 1/10 of 1 percent.

10 No change.

15 Includes dyeing and cleaning.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN MARCH AND APRIL 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 April 1934	Percentage of change from March 1934	Amount of pay roll (1 week) April 1934	Percentage of change from March 1934
Alabama.....	24	508	+0.8	\$14,391	+0.7
Arizona.....	27	212	+1.4	5,796	+7
Arkansas.....	20	250	+1.2	6,181	+3.2
California.....	1,136	23,409	-6	772,765	-7
Colorado.....	35	1,394	+6	44,966	+1.9
Connecticut.....	69	2,074	+1	73,853	+3
Delaware.....	16	570	+2	20,295	+3
District of Columbia.....	39	1,362	+4	49,476	+1.0
Florida.....	20	650	-1.2	22,026	-(⁹)
Georgia.....	41	1,257	+6	36,980	+1
Idaho.....	16	148	+7	3,680	-1.1
Illinois.....	91	10,918	+1	388,893	+1
Indiana.....	46	1,244	+2.1	41,633	+2.7
Iowa.....	16	971	+2	29,943	-3.5
Kansas.....	¹⁶ 40	878	+7	<i>29,946</i>	+7.9
Kentucky.....	21	862	+9	30,498	+2
Louisiana.....	10	354	-8	13,883	+3.0
Maine.....	17	266	+4	6,797	+2
Maryland.....	33	1,163	+2.0	38,746	+3.2
Massachusetts.....	¹⁶ 224	7,580	+3	<i>226,750</i>	+2.3
Michigan.....	121	4,218	-7	139,045	-6
Minnesota.....	53	4,352	+1.9	131,701	+15.2
Mississippi.....	16	200	-5	4,221	-1.6
Missouri.....	111	4,676	+3	138,591	+8
Montana.....	22	245	-4	6,886	-1.0
Nebraska.....	21	583	+1.9	19,686	+1.4
Nevada.....					
New Hampshire.....	40	484	+8	13,241	+13.1
New Jersey.....	131	12,924	+8	372,543	+1.4
New Mexico.....	13	110	-9	2,950	-4
New York.....	746	55,226	-5	1,973,488	+1.8
North Carolina.....	28	604	+1.9	15,604	+9
North Dakota.....	38	269	+7	6,387	(¹⁰)
Ohio.....	298	8,223	+6	276,910	+2.6
Oklahoma.....	27	667	(¹⁰)	20,384	+5
Oregon.....	32	1,181	+2	38,505	+9
Pennsylvania.....	743	<i>22,616</i>	+1	<i>706,615</i>	+6
Rhode Island.....	30	1,070	-2	46,440	+1.9
South Carolina.....	11	118	-8	3,207	-3.7
South Dakota.....	31	234	(¹⁰)	5,806	+1
Tennessee.....	37	1,131	-4	39,020	-7
Texas.....	30	1,529	-5	42,615	+4
Utah.....	15	469	-6	16,441	-9
Vermont.....	28	222	+1.4	6,429	+6
Virginia.....	44	1,466	-1	47,926	+1.6
Washington.....	47	1,706	-2	54,193	+5
West Virginia.....	44	660	-3	19,492	-(⁹)
Wisconsin.....	17	912	+2	32,247	+1.7
Wyoming.....	12	114	+2.7	3,431	+4

⁹ Less than 1/10 of 1 percent.

¹⁰ No change.

¹⁶ Does not include brokerage and real estate.

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

FLUCTUATIONS in employment and pay-roll totals in April 1934 as compared with March 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 including 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 APRIL 1934, AS COMPARED WITH MARCH 1934

Cities	Number of establishments reporting in both months	Number on pay roll		Per-centage of change from March 1934	Amount of pay roll (1 week)		Per-centage of change from March 1934
		March 1934	April 1934		March 1934	April 1934	
New York City.....	5,384	438,509	440,486	+0.5	\$11,584,410	\$11,573,148	-0.1
Chicago, Ill.....	1,877	232,312	234,519	+1.0	5,636,126	5,695,524	+1.1
Philadelphia, Pa.....	926	176,913	176,928	+ (1)	4,012,620	4,038,079	+ .6
Detroit, Mich.....	1,197	277,790	294,341	+6.0	7,173,721	7,789,837	+8.6
Los Angeles, Calif.....	910	83,438	86,921	+4.2	2,009,605	2,119,279	+5.5
Cleveland, Ohio.....	1,226	111,162	112,484	+1.2	2,470,030	2,620,960	+6.1
St. Louis, Mo.....	738	87,197	90,264	+3.5	1,846,030	1,899,637	+2.9
Baltimore, Md.....	742	74,148	77,651	+4.7	1,509,537	1,583,625	+4.9
Boston, Mass.....	3,227	131,505	132,757	+1.0	2,985,477	3,093,166	+3.6
Pittsburgh, Pa.....	507	103,221	103,918	+ .7	2,055,444	2,244,782	+9.2
San Francisco, Calif.....	1,187	61,308	62,833	+2.5	1,480,584	1,524,530	+3.0
Buffalo, N. Y.....	440	56,394	58,937	+4.5	1,254,643	1,352,346	+7.8
Milwaukee, Wis.....	506	50,574	52,351	+3.5	1,059,574	1,106,164	+4.4

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

Employment and Pay Rolls in the Federal Service, April 1934

THERE was an increase of 20,549 employees on the pay rolls of the executive departments of the United States Government comparing April with March 1934. Comparing April with the corresponding month of last year, there was an increase of 75,380 employees or 13.3 percent. The data shown in table 1 is collected by the United States Civil Service Commission from various executive departments and offices of the United States Government, and 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. Data for the District of Columbia are shown separately. Approximately 13 percent of the workers in the executive branches of the United States Government are located in the city of Washington.

TABLE 1.—EMPLOYEES IN THE EXECUTIVE SERVICE OF THE UNITED STATES APRIL 1933 AND MARCH AND APRIL 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:									
April 1933.....	63,571	3,492	67,063	467,573	34,092	501,665	531,144	37,584	568,728
March 1934.....	73,106	8,463	81,569	481,922	60,068	541,990	555,028	68,531	623,559
April 1934.....	75,512	8,338	83,850	488,362	71,896	560,258	563,874	80,234	644,108
Gain or loss:									
April 1933-April 1934.....	+11,941	+4,846	+16,787	+20,789	+37,804	+58,593	+32,730	+42,650	+75,380
March 1934-April 1934.....	+2,406	-125	+2,281	+6,440	+11,828	+18,268	+8,846	+11,703	+20,549
Percent of change:									
April 1933-April 1934.....	+18.8	+138.8	+25.0	+4.4	+110.9	+11.7	+6.2	+113.5	+13.3
March 1934-April 1934.....	+3.3	-1.5	+2.8	+1.3	+19.7	+3.4	+1.6	+17.1	+3.3
Labor turn-over April 1934:									
Additions ²	1,992	2,493	4,485	10,244	28,390	39,234	12,236	30,883	43,119
Separations ²	975	1,282	2,257	4,842	19,318	24,160	5,817	20,600	26,417
Turn-over rate per 100.....	1.31	15.26	2.73	1.00	29.28	4.38	1.04	27.69	4.17

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 3,847 employees not previously reported but not regarded as additions.

There were 83,850 employees working in the executive departments in Washington, D.C., on April 30, 1934. This is an increase of 25 percent as compared with the same month of the previous year. The increase in permanent employees, however, was only 18.8 percent. The number of temporary employees more than doubled comparing the two periods. Comparing April 1934 with March 1934 there was an increase of 2.8 percent in total employment. Permanent employees increased 3.3 percent, while the number of temporary employees decreased 1.5 percent. This decrease in temporary employees, however, was caused by the transfer of workers from a temporary to a permanent status.

The monthly turn-over rate for employees of the executive departments in the District of Columbia was 2.73. The rates for permanent employees was only 1.31. The rate of turn-over among temporary employees was exceedingly high, 15.26 being the April rate.

The number of employees in the executive departments outside of the District of Columbia showed an increase of 11.7 percent, comparing April 1934 with April 1933. Comparing April with the previous month, there was an increase of 1.3 percent in the number of permanent employees outside of the city of Washington, an increase of 19.7 percent in the number of temporary employees, and an increase of 3.4 percent in the total employment.

Table 2 shows employment in the executive departments of the United States Government by months, January 1933 to April 1934, inclusive.

TABLE 2.—EMPLOYMENT IN THE EXECUTIVE DEPARTMENTS OF THE UNITED STATES BY MONTHS, 1933 AND 1934, FOR DISTRICT OF COLUMBIA, OUTSIDE DISTRICT OF COLUMBIA, AND TOTALS

Month	District of Columbia	Outside District of Columbia	Total	Month	District of Columbia	Outside District of Columbia	Total
1933				1933—Continued			
January.....	66,800	496,361	563,161	October ¹	71,232	526,703	597,935
February.....	66,802	496,685	563,487	November ¹	73,131	532,518	605,649
March.....	67,557	499,429	566,986	December ¹	75,450	533,220	608,670
April.....	67,063	501,665	568,728	1934			
May ¹	66,568	510,236	576,804	January ¹	78,045	530,094	608,139
June ¹	65,774	508,881	574,655	February ¹	79,913	531,839	611,752
July ¹	66,580	503,499	570,079	March.....	81,569	441,990	623,559
August ¹	67,808	507,171	574,979	April.....	83,850	560,258	644,108
September ¹	69,858	516,757	586,615				

¹ Revised.

There has been an increase of over 80,000 employees in the Federal executive service since January 1933. The number of such employees in the District of Columbia has increased but 17,000.

Table 3 shows the number of employees and amounts of payrolls in the various branches of the United States Government during March and April 1934.

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

Branch of service	Number of employees		Amount of pay roll	
	March	April	March	April
Executive service.....	623,559	644,108	\$85,438,869	\$85,625,787
Military service.....	266,285	266,923	19,050,158	18,816,636
Judicial service.....	1,854	1,904	443,505	432,401
Legislative service.....	3,867	3,865	928,368	926,484
Total.....	895,565	916,800	105,860,900	105,801,308

There was a small increase in the number of employees in both the military and judicial service comparing April with the previous month. The legislative pay roll, however, showed two less employees.

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

TABLE 4.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS FOR ALL BRANCHES OF THE UNITED STATES GOVERNMENT BY MONTHS, DECEMBER 1933 TO APRIL 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	\$82,594,564	263,622	\$17,656,909	1,872	\$432,435	3,864	\$886,781
January 1934	608,139	78,035,863	262,942	18,499,516	1,780	417,000	3,845	871,753
February	611,752	84,133,108	263,464	19,532,832	1,742	430,843	3,852	926,363
March	623,559	85,438,869	266,285	19,050,158	1,854	443,505	3,867	928,368
April	644,108	85,625,787	266,923	18,816,636	1,904	432,401	3,865	926,264

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 987,011 on March 15, 1934, to 999,625 (preliminary) on April 15, 1934, or 1.3 percent. Data are not yet available concerning total compensation of employees for April 1934. The latest pay-roll information available shows an increase from \$111,069,052 in February 1934 to \$123,221,345 in March 1934, or 10.9 percent.

The monthly trend of employment from January 1923 to April 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 APRIL 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	-----
June	107.1	97.9	98.5	101.3	100.7	95.8	95.8	86.3	72.7	57.7	53.6	-----
July	108.2	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	67.6	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	55.3

¹ Average for 4 months.

Source: Interstate Commerce Commission.

Wage-Rate Changes in American Industries

Manufacturing Industries

THE following table presents information concerning wage-rate adjustments occurring between March 15 and April 15, 1934, as shown by reports received from manufacturing establishments supplying employment data to this Bureau.

Based on these reports, the greatest number of employees affected by wage-rate increases was in the blast furnaces, steel works, and rolling mills industry in which 133,635 employees in 95 establishments received increases in wage rates, averaging 10 percent. In the automobile industry, 61 establishments reported wage-rate increases averaging 9.9 percent and affecting 124,176 wage earners. In the foundry and machine shops industry, 84 establishments reported wage-rate increases. These increases averaged 8.3 percent and affected 17,371 employees. Eight establishments in the hardware industry reported increases in wage rates, averaging 9.7 percent and affecting 16,184 workers. In the brass, bronze, and copper products, 8,845 workers were affected by increases in wage rates which averaged 8.3 percent, and 7,975 employees in the electrical machinery industry received increases in wage rates averaging 10.3 percent. Over 5,000 employees in the steam and hot-water heating apparatus and steam-fittings industry were affected by wage-rate increases which averaged 10 percent.

Other industries in which substantial numbers of employees received increases in wage rates and the number of employees affected, together with average increases in rates, were: Cement, 4,720 employees, average increase, 11 percent; cash registers, adding machines, and calculating machines, 4,096 employees, average increase 9.8 percent; rayon and allied products, 4,081 employees, average increase 7.6 percent; wirework, 3,580 employees, average increase 9.7 percent; structural and ornamental metal work, 3,405 employees, average increase 10.2 percent; agricultural implements, 2,994 employees, average increase, 11 percent; glass, 2,911 employees, average increase 10.5 percent; paper and pulp, 2,557 employees, average increase, 9.5 percent; chemicals, 2,524 employees, average increase, 10 percent; woolen and worsted goods, 2,162 employees, average increase, 9.7 percent; paints and varnishes, 2,141 employees, average increase, 8.9 percent; book and job printing, 1,963 employees, average increase, 9.8 percent; confectionery, 1,426 employees, average increase, 10.3 percent; and stamped and enameled ware, 1,408 employees, average increase, 11.3 percent. The remaining industries reported wage-rate increases affecting less than 1,300 employees each.

Thirteen establishments in three manufacturing industries reported decreases in wage rates between March 15 and April 15. Four

hundred and twenty-two employees were affected by these decreases in rates, which averaged 6.8 percent.

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

Industry	Establishments reporting	Total number of employees	Number of establishments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate increases	Wage-rate decreases	No wage-rate changes	Wage-rate increases	Wage-rate decreases
All manufacturing industries.....	20,884	3,650,627	20,132	689	13	3,274,804	375,401	422
Percentage of total.....	100.0	100.0	96.6	3.3	0.1	89.7	10.3	(1)
Iron and steel and their products, not including machinery:								
Bast furnaces, steel works, and rolling mills.....	207	258,616	112	95	-----	124,981	133,635	-----
Bolts, nuts, washers, and rivets.....	58	9,965	51	7	-----	8,704	1,261	-----
Cast-iron pipe.....	44	7,902	41	3	-----	6,893	1,009	-----
Cutlery (not including silver and plated cutlery) and edge tools.....	160	13,408	151	9	-----	12,783	625	-----
Forgings, iron and steel.....	82	8,872	78	4	-----	8,522	350	-----
Hardware.....	97	38,517	89	8	-----	22,333	16,184	-----
Plumbers' supplies.....	82	8,391	81	1	-----	8,337	54	-----
Steam and hot-water heating apparatus and steam fittings.....	83	13,945	74	9	-----	8,458	5,487	-----
Stoves.....	161	23,926	155	6	-----	22,792	1,134	-----
Structural and ornamental metalwork.....	198	17,241	181	17	-----	13,836	3,405	-----
Tin cans and other tinware.....	64	10,702	63	1	-----	10,665	37	-----
Tools (not including edge tools, machine tools, files, and saws).....	131	10,651	124	7	-----	9,507	1,144	-----
Wirework.....	91	9,721	81	10	-----	6,141	3,580	-----
Machinery, not including transportation equipment:								
Agricultural implements.....	79	14,433	75	4	-----	11,439	2,994	-----
Cash registers, adding machines, and calculating machines.....	29	16,058	25	4	-----	11,962	4,096	-----
Electrical machinery, apparatus, and supplies.....	351	117,373	313	38	-----	109,398	7,975	-----
Engines, turbines, tractors, and water wheels.....	102	27,866	98	4	-----	26,780	1,086	-----
Foundry and machine-shop products.....	1,350	146,084	1,266	84	-----	128,713	17,371	-----
Machine tools.....	144	18,358	141	3	-----	17,813	545	-----
Radios and phonographs.....	42	33,378	40	2	-----	32,182	1,196	-----
Textile machinery and parts.....	78	14,909	74	4	-----	13,832	1,077	-----
Typewriters and parts.....	12	14,735	12	-----	-----	14,735	-----	-----
Transportation equipment:								
Aircraft.....	25	9,052	25	-----	-----	9,052	-----	-----
Automobiles.....	295	372,702	234	61	-----	248,526	124,176	-----
Cars, electric- and steam-railroad.....	52	13,558	49	3	-----	12,261	1,297	-----
Locomotives.....	11	3,224	11	-----	-----	3,224	-----	-----
Shipbuilding.....	103	31,586	100	3	-----	31,355	231	-----
Railroad repair shops:								
Electric railroad.....	332	18,392	329	3	-----	18,148	244	-----
Steam railroad.....	521	78,814	521	-----	-----	78,814	-----	-----
Nonferrous metals and their products:								
Aluminum manufactures.....	24	6,578	24	-----	-----	6,578	-----	-----
Brass, bronze, and copper products.....	208	41,278	181	27	-----	32,433	8,845	-----
Clocks and watches and time-recording devices.....	27	10,484	27	-----	-----	10,484	-----	-----
Jewelry.....	128	8,513	128	-----	-----	8,513	-----	-----
Lighting equipment.....	63	3,907	62	1	-----	3,898	9	-----
Silverware and plated ware.....	60	9,739	59	1	-----	9,635	104	-----
Smelting and refining—copper, lead, and zinc.....	39	13,403	36	3	-----	12,393	1,010	-----
Stamped and enameled ware.....	93	16,250	90	3	-----	14,842	1,408	-----

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

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

Industry	Establishments reporting	Total number of employees	Number of establishments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate increases	Wage-rate decreases	No wage-rate changes	Wage-rate increases	Wage-rate decreases
Lumber and allied products:								
Furniture.....	546	52,705	542	4		52,587	118	
Lumber.....								
Millwork.....	605	27,901	601	4		27,768	133	
Sawmills.....	643	77,520	638	5		77,052	468	
Turpentine and rosin.....	40	2,944	39	1		2,929	15	
Stone, clay, and glass products:								
Brick, tile, and terra cotta.....	659	21,780	655	4		21,479	301	
Cement.....	119	12,414	96	23		7,694	4,720	
Glass.....	178	54,044	172	6		51,133	2,911	
Marble, granite, slate, and other products.....	271	5,561	270	1		5,558	3	
Pottery.....	120	21,092	119	1		21,018	74	
Textiles and their products:								
Fabrics:								
Carpets and rugs.....	28	17,147	28			17,147		
Cotton goods.....	713	337,727	712	1		337,712	15	
Cotton small wares.....	112	12,049	110	2		11,516	533	
Dyeing and finishing textiles.....	172	46,468	171	1		46,466	2	
Hats, fur-felt.....	33	7,315	32	1		7,297	18	
Knit goods.....	478	127,213	478			127,213		
Silk and rayon goods.....	261	52,368	251	1	9	52,074	9	285
Woolen and worsted goods.....	238	59,772	227	11		57,610	2,162	
Wearing apparel:								
Clothing, men's.....	535	81,284	535			81,284		
Clothing, women's.....	674	40,986	668	3	3	40,836	17	133
Corsets and allied garments.....	31	5,991	30	1		5,981	10	
Men's furnishings.....	79	8,402	75	4		8,291	111	
Millinery.....	130	8,298	128	2		8,114	184	
Shirts and collars.....	143	22,206	143			22,206		
Leather and its manufactures:								
Boots and shoes.....	369	126,701	368	1		126,362	339	
Leather.....	163	33,393	157	6		32,878	515	
Food and kindred products:								
Baking.....	981	67,863	967	14		66,677	1,186	
Beverages.....	443	27,349	431	12		26,891	458	
Butter.....	287	4,250	284	3		4,216	34	
Canning and preserving.....	750	47,772	737	12	1	47,577	191	4
Confectionery.....	285	30,812	282	3		29,386	1,426	
Flour.....	466	17,727	457	9		16,745	982	
Ice cream.....	335	8,997	325	10		8,826	171	
Slaughtering and meat packing.....	234	98,691	231	3		98,448	243	
Sugar, beet.....	63	3,651	63			3,651		
Sugar refining, cane.....	13	8,385	13			8,385		
Tobacco manufactures:								
Chewing and smoking tobacco and snuff.....	32	10,343	32			10,343		
Cigars and cigarettes.....	190	38,866	189	1		38,786	80	
Paper and printing:								
Boxes, paper.....	355	28,271	345	10		27,380	891	
Paper and pulp.....	439	109,878	428	11		107,321	2,557	
Printing and publishing:								
Book and job.....	1,192	53,780	1,160	32		51,817	1,963	
Newspapers and periodicals.....	568	59,761	555	13		58,972	789	
Chemicals and allied products:								
Chemicals.....	108	28,490	103	5		25,966	2,524	
Cottonseed—oil, cake, and meal.....	105	3,345	105			3,345		
Druggists' preparations.....	68	9,219	66	2		9,043	176	
Explosives.....	32	4,856	31	1		4,807	49	
Fertilizers.....	188	18,511	187	1		18,439	72	
Paints and varnishes.....	339	17,874	316	23		15,733	2,141	
Petroleum refining.....	154	59,336	154			59,336		
Rayon and allied products.....	24	35,820	20	4		31,739	4,081	
Soap.....	115	17,066	114	1		17,064	2	
Rubber products:								
Rubber boots and shoes.....	7	11,906	7			11,906		
Rubber goods, other than boots, shoes, tires, and inner tubes.....	104	28,224	95	9		27,348	876	
Rubber tires and inner tubes.....	41	63,772	39	2		63,510	262	

Nonmanufacturing Industries

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

Anthracite mining was the only industry in which no wage-rate changes were reported. The outstanding wage-rate increase, averaging 18.2 percent and affecting 74,195 employees, was reported by 331 establishments in the bituminous-coal mining industry. Fifty-four establishments in electric-railroad and motor-bus operation and maintenance reported an average increase of 6.3 percent affecting 6,483 employees. Twenty-two metalliferous mines reported an average increase of 15 percent affecting 3,681 employees. Reports from 43 establishments in the telephone and telegraph industry reported an average increase of 6.7 percent affecting 1,739 workers. Twenty establishments in the quarrying and nonmetallic mining industry showed an average increase of 10 percent affecting 1,622 employees. The increases in wage-rates in the remaining industries affected less than 750 workers each.

Decreases in wage rates reported were negligible.

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

Industrial group	Estab-lish-ments reporting in April 1934	Total number of employ-ees in April 1934	Number of establish-ments reporting—			Number of employees having—		
			No wage-rate changes April 1934	Wage-rate in-creases April 1934	Wage-rate de-creases April 1934	No wage-rate changes April 1934	Wage-rate in-creases April 1934	Wage-rate de-creases April 1934
Anthracite mining.....	160	80,894	160	—	—	80,894	—	—
Percent of total.....	100.0	100.0	100.0	—	—	100.0	—	—
Bituminous-coal mining.....	1,478	216,767	1,147	331	—	142,572	74,195	—
Percent of total.....	100.0	100.0	77.6	22.4	—	65.8	34.2	—
Metalliferous mining.....	287	28,356	265	22	—	24,675	3,681	—
Percent of total.....	100.0	100.0	92.3	7.7	—	87.0	13.0	—
Quarrying and nonmetallic min- ing.....	1,186	32,629	1,166	20	—	31,007	1,622	—
Percent of total.....	100.0	100.0	98.3	1.7	—	95.0	5.0	—
Crude-petroleum producing.....	271	29,220	270	1	—	29,169	51	—
Percent of total.....	100.0	100.0	99.6	0.4	—	99.8	0.2	—
Telephone and telegraph.....	8,239	252,216	8,196	43	—	250,477	1,739	—
Percent of total.....	100.0	100.0	99.5	0.5	—	99.3	0.7	—
Electric light and power and manufactured gas.....	3,074	240,545	3,055	19	—	239,939	606	—
Percent of total.....	100.0	100.0	99.4	0.6	—	99.7	0.3	—
Electric-railroad and motor-bus operation and maintenance.....	542	131,419	488	54	—	124,936	6,483	—
Percent of total.....	100.0	100.0	90.0	10.0	—	95.1	4.9	—
Wholesale trade.....	3,004	84,228	2,990	13	1	83,958	260	10
Percent of total.....	100.0	100.0	99.5	0.4	(1)	99.7	0.3	(1)
Retail trade.....	19,413	444,267	19,404	9	—	443,541	726	—
Percent of total.....	100.0	100.0	100.0	(1)	—	99.8	0.2	—
Hotels.....	2,602	145,583	2,594	5	3	145,449	105	29
Percent of total.....	100.0	100.0	99.7	0.2	0.1	99.9	0.1	(1)
Laundries.....	1,352	71,358	1,346	5	1	71,210	141	7
Percent of total.....	100.0	100.0	99.6	0.4	(1)	99.8	0.2	(1)
Dyeing and cleaning.....	718	17,365	711	7	—	16,984	381	—
Percent of total.....	100.0	100.0	99.0	1.0	—	97.8	2.2	—
Banks, brokerage, insurance, and real estate.....	4,721	182,312	4,696	24	1	181,916	394	2
Percent of total.....	100.0	100.0	99.5	0.5	(1)	99.8	0.2	(1)

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

Employment Created by the Public-Works Fund, April 1934

THERE were nearly 370,000 people working on construction projects financed by the public-works fund during the month ending April 15, 1934. This is an increase of more than 76,000, as compared with March. These workers earned nearly \$18,000,000 during the month of April.

Employment on Construction Projects, by Type of Project

TABLE 1 shows, by type of project, employment, pay rolls, and man-hours of labor worked during the month of April 1934 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 APRIL 1934, BY TYPE OF PROJECT

Type of project	Number of wage earners ¹	Amount of pay roll ¹	Number of man-hours worked ¹	Average earnings per hour ¹	Value of material orders placed ¹
Building construction.....	27, 973	\$1, 426, 583	2, 048, 991	\$. 696	\$3, 236, 107
Public roads.....	181, 209	6, 972, 526	14, 144, 981	. 493	11, 000, 000
River, harbor, and flood control.....	39, 213	2, 208, 422	3, 731, 913	. 592	3, 418, 434
Streets and roads ²	10, 001	402, 794	830, 809	. 485	326, 424
Naval vessels.....	8, 715	893, 820	1, 064, 034	. 840	3, 205, 174
Reclamation.....	11, 994	1, 271, 331	2, 006, 442	. 634	2, 545, 119
Forestry.....	15, 570	769, 297	1, 339, 440	. 574	564, 989
Water and sewerage.....	1, 298	60, 429	91, 561	. 660	90, 015
Miscellaneous.....	14, 989	725, 720	1, 201, 345	. 604	1, 048, 092
Total.....	310, 962	14, 730, 922	26, 459, 516	. 557	25, 434, 354

¹ Subject to revision.

² Other than those reported by the Bureau of Public Roads.

Federal projects are wholly financed from Public Works funds. The work is done either by force account—that is, by labor hired direct by the Government agency, or by contract, that is, awards made to commercial firms by the Federal agencies.

There were over 310,000 workers on Federal P.W.A. construction projects during the month ending April 15. Over 180,000 or 58 percent of the total employees were working under the jurisdiction of the Bureau of Public Roads of the United States Department of Agriculture; nearly 40,000 were working on river, harbor, and flood-control projects; more than 27,000 on building construction.

Workers on Federal projects drew approximately \$15,000,000 for their month's pay. Public road workers were paid nearly \$7,000,000 of this amount. These employees worked approximately 27,000,000 hours during the month of April and averaged 56 cents per hour.

Workers on naval vessels showed the highest hourly earnings, averaging nearly 85 cents per hour. Workers on building construction averaged 70 cents per hour, and workers on reclamation and water and sewerage work averaged over 60 cents per hour.

Material orders valued at over \$25,000,000 were placed by contractors and Government agencies doing force-account work. Public roads contractors purchased \$11,000,000 worth of this material.

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

TABLE 2.—EMPLOYMENT, PAY ROLL, AND MAN-HOURS WORKED ON NONFEDERAL PROJECTS FINANCED FROM PUBLIC-WORKS FUNDS DURING APRIL 1934, BY TYPE OF PROJECT

Type of project	Number of wage earners ¹	Amount of pay roll ¹	Number of man-hours worked ¹	Average earnings per hour ¹	Value of material orders placed ¹
Building construction.....	10, 100	\$545, 618	661, 854	\$0. 824	\$2, 523, 141
Streets and roads.....	6, 672	232, 324	379, 468	. 612	362, 361
Water and sewerage.....	10, 560	490, 774	771, 797	. 636	878, 772
Railroad construction.....	12, 214	435, 420	881, 679	. 494	14, 900, 814
Miscellaneous.....	450	25, 488	40, 430	. 630	48, 968
Total.....	39, 996	1, 729, 624	2, 735, 228	. 632	18, 714, 056

¹ Subject to revision.

Non-Federal allotments when awarded to a State or political subdivision thereof are financed partly by Federal funds and partly by local authorities. Usually the Public Works Administration makes a direct grant of 30 percent of the total cost and in many cases will loan the remaining 70 percent. When non-Federal allotments are made to commercial firms, such as railroads, the allotment takes the form of a loan which must be liquidated within a certain designated period of time. Construction under non-Federal allotments is, for the most part, limited to building construction, street and road work, water and sewerage systems, and railroad construction.

The railroad work falls under two heads—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.

Railroad construction employment is included with other non-Federal construction in table 2. Employment in railroad shops is shown in a separate table (see table 5, p. 43).

There were 40,000 employees working on construction projects financed from non-Federal construction funds; more than 12,000 were employed by railroads receiving P.W.A. loans. The total weekly wages paid non-Federal workers amounted to over \$1,700,000. Building-construction workers drew over \$500,000 of this amount. The average hourly earnings for all workers shown in table 2 was 63 cents per hour.

Workers on all types of construction except railroad drew over 60 cents per hour. The railroad workers drew slightly less than 50 cents per hour, while building-construction workers averaged over 80 cents per hour during the month.

Materials purchased for these construction projects totaled nearly \$19,000,000 and approximately 80 percent of this amount was expended by railroads.

Employment on Construction Projects, by Geographic Divisions

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

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

Geographic division	Wage earners ¹		Amount of pay roll ¹	Number of man-hours worked ¹	Average earnings per hour ¹	Value of material orders placed ¹
	Number employed	Weekly average				
New England.....	11, 877	11, 303	\$775, 440	1, 093, 030	\$0.709	\$948, 963
Middle Atlantic.....	19, 139	17, 545	991, 293	1, 548, 574	.640	1, 380, 102
East North Central.....	24, 691	23, 434	1, 112, 675	1, 757, 510	.633	902, 313
West North Central.....	44, 623	42, 870	1, 744, 848	3, 426, 064	.509	1, 303, 068
South Atlantic.....	46, 995	44, 556	2, 064, 606	4, 034, 056	.512	3, 644, 597
East South Central.....	32, 548	31, 392	1, 425, 112	3, 008, 767	.474	1, 662, 424
West South Central.....	61, 185	57, 899	1, 856, 143	4, 177, 008	.444	1, 183, 042
Mountain.....	36, 081	35, 664	2, 590, 168	4, 163, 827	.622	1, 807, 548
Pacific.....	27, 383	26, 381	1, 887, 558	2, 630, 348	.718	1, 133, 689
Total continental United States.....	303, 522	291, 044	14, 447, 851	25, 839, 182	.559	² 24, 965, 746
Outside continental United States.....	6, 440	5, 678	283, 071	620, 334	.456	468, 608
Grand total.....	310, 962	296, 722	14, 730, 922	26, 459, 516	.557	25, 434, 354

¹ Subject to revision.

² Includes \$11,000,000 estimated value of material orders placed for public-road projects which cannot be charged to any specific geographic division.

More people were employed on Federal P.W.A. projects in the West South Central than in any other geographic division, there being more than 61,000 people employed in this division. More than 40,000 were on P.W.A. rolls in the West North Central and South Atlantic States. Workers in the New England and Pacific States averaged over 70 cents per hour; in the Middle Atlantic, East North Central, and Mountain States, over 60 cents per hour; and in the East South Central and West South Central the average hourly earnings were less than 50 cents per hour.

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

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

Geographic division	Wage earners ¹		Amount of pay roll ¹	Number of man-hours worked ¹	Average earnings per hour ¹	Value of material orders placed ¹
	Number employed	Weekly average				
New England.....	3, 539	2, 928	\$158, 219	251, 110	\$0. 630	\$2, 301, 626
Middle Atlantic.....	2, 432	2, 146	134, 189	200, 048	. 671	4, 381, 948
East North Central.....	8, 118	5, 964	408, 203	513, 651	. 795	2, 910, 893
West North Central.....	6, 133	4, 987	251, 435	377, 413	. 666	3, 653, 774
South Atlantic.....	6, 838	5, 813	318, 703	573, 345	. 556	1, 748, 957
East South Central.....	1, 033	859	48, 219	79, 847	. 604	1, 299, 116
West South Central.....	1, 664	1, 363	72, 115	123, 929	. 582	538, 086
Mountain.....	3, 183	2, 672	94, 518	176, 569	. 535	901, 645
Pacific.....	6, 572	5, 937	228, 517	412, 599	. 554	930, 725
Total Continental United States.....	39, 512	32, 669	1, 714, 118	2, 708, 511	. 633	18, 667, 770
Outside Continental United States.....	484	354	15, 506	26, 717	. 580	47, 286
Grand total.....	39, 996	33, 023	1, 729, 624	2, 735, 228	. 632	18, 714, 056

¹ Subject to revision.

There were over 8,000 employees working on non-Federal projects in the East North Central States; in the West North Central, South Atlantic, and in the Pacific States more than 6,000 were employed. In no other geographic division were there as many as 4,000 employed.

Hourly rates ranged from 53 cents in the Mountain and Pacific States to 80 cents in the East North Central States.

Table 5 shows employment, pay rolls, and man-hours worked in railroad shops, financed from public-works funds, during April 1934, by geographic divisions.

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

Geographic division	Number of wage earners ¹	Amount of pay roll ¹	Number of man-hours worked ¹	Average earnings per hour ¹	Value of material orders placed ¹
New England.....	1, 204	\$132, 653	196, 449	\$0. 675	\$1, 061, 739
Middle Atlantic.....	4, 971	371, 186	607, 237	. 611	3, 031, 701
East North Central.....	1, 926	120, 465	191, 064	. 630	827, 531
West North Central.....	474	7, 417	12, 287	. 604	58, 361
South Atlantic.....	1, 848	189, 463	294, 379	. 644	194, 430
East South Central.....	1, 371	81, 940	129, 260	. 634	1, 441, 482
West South Central.....	2, 365	137, 205	238, 261	. 576	247, 303
Mountain.....	670	24, 503	40, 322	. 608	80, 374
Pacific.....	3, 447	206, 856	343, 245	. 603	290, 581
Total.....	18, 276	1, 271, 688	2, 052, 504	. 620	7, 233, 502

¹ Subject to revision.

There were over 18,000 people working in railroad shops on work financed by public-works funds during the month ending April 15. This is an increase of 44 percent as compared with the previous month. The average rate of pay for these workers was 62 cents per hour. The rate was 60 cents or over in each geographic division, with the exception of West South Central where the rate averaged over 57 cents. Workers in the New England States averaged 67.5 cents per hour.

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

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

Type of material	Value of material orders placed ¹
Airplane parts.....	\$211, 238
Ammunition.....	12, 453
Awnings, tents, canvas, etc.....	19, 770
Boat building, steel and wooden (small).....	47, 231
Bolts, nuts, washers, etc.....	526, 424
Carpets and rugs.....	15, 009
Cast iron pipe and fittings.....	455, 166
Cement.....	1, 264, 718
Chemicals.....	35, 531
Clay products.....	426, 879
Coal.....	44, 854
Compressed and liquified gases.....	56, 323
Concrete products.....	392, 902
Copper products.....	26, 341
Cordage and twine.....	13, 425
Cotton goods.....	15, 231
Creosote.....	22, 775
Crushed stone.....	85, 604
Doors, shutters, and window sash and frames, molding and trim, metal.....	691, 462
Electrical machinery and supplies.....	3, 388, 605
Engines and turbines.....	70, 751
Explosives.....	93, 603
Forgings, iron and steel.....	643, 582
Foundry and machine-shop products, not elsewhere classified.....	4, 730, 991
Fuel oil.....	210, 636
Furniture, including store and office fixtures.....	28, 136
Gasoline.....	151, 803
Glass.....	29, 421
Hardware, miscellaneous.....	311, 153
Instruments, professional and scientific.....	203, 296
Lighting equipment.....	116, 866
Locomotives, other than electric.....	931, 000
Lubricating oils and greases.....	85, 877
Lumber and timber products.....	3, 395, 811
Machine tools.....	136, 598
Marble, granite, slate and other stone products.....	401, 386
Nails and spikes.....	190, 691
Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified.....	169, 606
Paints and varnishes.....	203, 144
Paving materials and mixtures.....	297, 062
Planing-mill products.....	231, 570
Plumbing supplies.....	437, 519
Pumps and pumping equipment.....	92, 548
Rail fastenings, excluding spikes.....	2, 874, 917
Rails, steel.....	7, 691, 050
Railway cars, freight.....	9, 826, 500
Railway cars, passenger.....	4, 309, 700
Refrigerators and refrigerator cabinets, including mechanical refrigerators.....	14, 645
Roofing, built-up, and roll; asphalt shingles; roof coatings, other than paint.....	132, 024
Rubber goods.....	37, 416
Sand and gravel.....	328, 075
Sheet-metal work.....	258, 802
Smelting and refining lead.....	14, 262
Springs, steel.....	156, 494
Steam and hot-water heating apparatus.....	152, 563
Steam and other packing pipe and boiler covering, and gaskets.....	63, 097
Steel-works and rolling-mill products, other than steel rails, including structural and ornamental metal work.....	5, 713, 475

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

Type of material	Value of material orders placed ¹
Switches, railway.....	\$298,360
Theatrical scenery and stage equipment.....	23,621
Tools, other than machine tools.....	99,959
Upholstering materials, not elsewhere classified.....	35,805
Wall plaster, wall board, insulating board, and floor composition.....	85,671
Waste.....	13,359
Wire, drawn from purchased rods.....	369,721
Wirework, not elsewhere classified.....	19,274
Wrought pipe, welded and heavy riveted.....	16,031
Other.....	2,189,750
Public road projects ²	11,000,000
Total.....	66,639,862

¹ Subject to revision.² Not available by type of material.

During the month ending April 15 material orders were placed by contractors or by Government agencies doing force-account work, to total over \$66,000,000. It is estimated that the fabrication of materials purchased during the month will create more than 149,000 man-months of labor. The above material orders include \$15,257,950 for the purchase of new equipment by railroads from loans made by the Public Works Administration.

Table 7 shows data concerning employment and man-hours worked during each of the 7 months elapsing since work started on construction projects financed from public-works funds.

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

Month	Number of wage earners ¹	Amount of pay rolls ¹	Number of man-hours worked ¹	Average earnings per hour ¹	Value of material orders placed ¹
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
Total.....		100,378,864	189,127,979		255,509,929

¹ Subject to revision.

There were over 80,000 more employees on P.W.A. construction awards in April than in March. During the 7-month period employees working on P.W.A. projects have earned over \$100,000,000.

Material orders have been placed for over \$255,000,000, and it is estimated that the fabrication of this material will create more than 597,000 man-months of labor.

Civil Works Administration

The Civil Works program was practically completed by the end of April. There were less than 60,000 workers on the pay rolls of this agency for the week ending April 26.

Table 8 shows the number of Civil Works Administration employees on the pay rolls for the weeks ending March 29 and April 26.

TABLE 8.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS ON CIVIL-WORKS PROJECTS MAR. 29 AND APR. 26, 1934

Geographic division	Number of employees, week ending—		Amount of pay roll, week ending—	
	Mar. 29	Apr. 26	Mar. 29	Apr. 26
New England.....	139, 445	4, 901	\$2, 000, 017	\$87, 336
Middle Atlantic.....	558, 939	9, 818	8, 206, 762	197, 736
East North Central.....	442, 517	9, 325	6, 896, 610	229, 076
West North Central.....	171, 334	4, 634	2, 160, 633	99, 641
South Atlantic.....	168, 264	11, 460	1, 914, 362	210, 922
East South Central.....	106, 654	4, 610	1, 156, 151	91, 436
West South Central.....	173, 035	4, 265	1, 884, 779	76, 091
Mountain.....	57, 815	2, 521	976, 381	54, 855
Pacific.....	117, 696	4, 630	1, 770, 753	91, 612
Total.....	1, 985, 699	56, 164	\$26, 966, 448	1, 138, 705
Percent of change.....		-97.1		-95.8

There was a rapid depletion of the forces of the Civil Works Administration during the month of April, a decrease of 97.1 percent occurring over the 4-week period ending April 26. The Emergency Work program is just getting under way.

Table 9 shows the number of employees and the amount of pay rolls for workers on the Emergency Work program for the week ending April 26, 1934.

TABLE 9.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS FOR WORKERS ON EMERGENCY-WORK PROGRAM, WEEK ENDING APR. 26, 1934.

Geographic division	Number of employees	Amount of pay roll	Geographic division	Number of employees	Amount of pay roll
New England.....	83, 335	\$818, 015	West South Central.....	63, 917	\$544, 990
Middle Atlantic.....	310, 565	4, 940, 167	Mountain.....	24, 435	327, 470
East North Central.....	119, 457	1, 022, 456	Pacific.....	11, 767	143, 143
West North Central.....	90, 218	768, 133	Total.....	802, 159	9, 372, 114
South Atlantic.....	92, 370	765, 516			
East South Central.....	6, 095	42, 224			

Emergency Conservation Work

THERE were nearly 315,000 workers on the rolls of the Emergency Conservation Work during the month ending April 30. Pay rolls for these workers totaled over \$13,000,000.

Table 10 shows the employment and pay rolls for Emergency Conservation Work during the months of March and April 1934, by type of worker.

TABLE 10.—EMPLOYMENT AND PAY ROLLS IN THE EMERGENCY CONSERVATION WORK, MARCH AND APRIL 1934

Group	Number of employees		Amount of pay rolls	
	March	April	March	April
Enrolled personnel.....	220, 249	282, 756	\$6, 878, 370	\$8, 830, 470
Reserve officers.....	4, 846	5, 587	1, 181, 077	1, 266, 399
Educational supervisors.....	654	1, 024	100, 933	173, 198
Supervisory and technical ^{1 2}	3 22, 195	4 25, 119	3 2, 646, 590	4 2, 937, 138
Total.....	247, 944	314, 486	10, 806, 970	13, 207, 205

¹ Includes carpenters, electricians, and laborers.² Included in executive service table.³ Revised.⁴ Subject to revision.

Information concerning employment and pay rolls for the Emergency Conservation Work is collected by the Bureau of Labor Statistics from the War Department, Department of Agriculture, Treasury Department, and the Department of the Interior. The pay of the enrolled personnel is figured as follows: 5 percent of these workers are paid \$45 per month, an additional 8 percent are paid \$36 per month, and the remaining 87 percent are paid \$30 per month. The supervisor and technical employees include carpenters, electricians, and laborers previously shown separately.

The month of April started a new recruiting period and, therefore, this accounts for the large increase in the number of enrolled personnel, the forces being at a low point during March.

Table 11 shows the monthly totals of employees and pay rolls of the Emergency Conservation Work from the inception of the work in May 1933 to April 1934.

TABLE 11.—MONTHLY TOTALS OF EMPLOYEES AND PAY ROLLS IN THE EMERGENCY CONSERVATION WORK FROM MAY 1933 TO APRIL 1934

Month	Number of employees	Amount of pay roll	Month	Number of employees	Amount of pay roll
1933			1933—Continued		
May.....	191, 380	\$6, 388, 760	December.....	321, 701	\$12, 951, 042
June.....	283, 481	9, 876, 780			
July.....	316, 109	11, 482, 262	1934		
August.....	307, 100	11, 604, 401	January.....	331, 433	13, 577, 695
September.....	242, 968	9, 759, 628	February.....	¹ 321, 631	¹ 13, 072, 768
October.....	294, 861	12, 311, 033	March.....	¹ 247, 944	¹ 10, 806, 970
November.....	344, 273	14, 554, 695	April.....	² 314, 486	² 13, 207, 205

¹ Revised.² Subject to revision.

Employment on Public Roads (Other than Public Works)

THE following tables show the number of employees exclusive of those paid from the public-works fund on the pay rolls of Federal and State Governments engaged in building and maintaining roads during the months of March and April 1934.

TABLE 1.—NUMBER OF EMPLOYEES ENGAGED IN THE CONSTRUCTION AND MAINTENANCE OF PUBLIC ROADS, STATE, AND FEDERAL, DURING MARCH AND APRIL 1934, BY GEOGRAPHIC DIVISION¹

Geographic division	Federal				State			
	Number of employees		Amount of pay rolls		Number of employees		Amount of pay rolls	
	March	April	March	April	March	April	March	April
New England.....	10	6	\$969	\$423	13,968	7,771	\$800,474	\$465,985
Middle Atlantic.....	19	78	1,417	3,405	39,737	43,483	1,984,939	2,231,450
East North Central.....	219	298	17,900	15,645	18,426	19,932	1,061,891	1,066,241
West North Central.....	102	110	7,052	5,854	13,281	14,339	755,478	768,091
South Atlantic.....	286	251	19,104	6,895	30,496	34,345	1,134,178	1,228,997
East South Central.....	145	136	5,322	4,471	10,904	10,729	332,835	666,361
West South Central.....	292	264	23,418	15,082	11,061	11,118	736,422	745,272
Mountain.....	253	361	20,213	22,896	4,051	5,601	342,118	444,593
Pacific.....	70	428	5,796	33,158	10,205	10,230	841,430	790,654
Total.....	1,396	1,932	101,191	107,829	152,129	157,548	7,989,765	8,407,644
Percent of change.....		+38.4		+6.6		+3.6		+5.2

¹ Excluding employment furnished by projects financed from public-works fund.

The Federal Government has practically exhausted its State-aid road appropriation. During the month of March there were less than 1,500 employees engaged in this work, and during April fewer than 2,000. In contrast, there were more than 180,000 workers engaged in public-road work financed from the Public Works fund (see table 1, p. 40). The number of workers employed by State Governments for road work increased 3.6 percent comparing April with March. Disbursements for pay rolls increased 5.2 percent. During April more than 85 percent of the State road workers were engaged in maintenance work and less than 15 percent in new road construction.

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

TABLE 2.—NUMBER OF EMPLOYEES ENGAGED IN CONSTRUCTION AND MAINTENANCE OF PUBLIC ROADS, STATE AND FEDERAL, JANUARY TO APRIL 1934¹

Month	Number of employees working on—			
	Federal roads	State roads		
		New	Maintenance	Total
January.....	7,633	25,345	136,440	161,785
February.....	2,382	22,311	126,904	149,215
March.....	1,396	19,985	132,144	152,129
April.....	1,932	21,510	136,038	157,548

¹ Excluding employment furnished by projects financed from the public-works fund.

Employment on Construction Projects Financed by the Reconstruction Finance Corporation

THE Self-Liquidating Division of the Reconstruction Finance Corporation has made loans to municipalities, counties, State governments, and in some cases, to private companies to finance

construction projects. These projects must all be self liquidating. The loans made by the Reconstruction Finance Corporation for this purpose amounted to over \$207,000,000. Construction has started on projects estimated to cost over \$190,000,000.

Table 1 shows employment, pay rolls, and man-hours worked on construction projects financed by 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 APRIL 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 material purchased
Building construction.....	1,069	\$99,224	93,622	\$1.06	\$159,751
Bridges.....	7,269	434,035	578,117	.751	910,909
Reclamation.....	3,259	195,011	447,462	.436	140,494
Water and sewerage.....	5,068	593,425	891,851	.665	654,285
Miscellaneous.....	1,978	197,509	290,219	.681	442,040
Total.....	18,643	\$1,519,204	2,301,271	.660	2,307,479

There were more than 18,500 persons employed at the sites of the construction projects for the month ending April 15, 1934. Over 7,000 were employed on bridges and more than 5,000 on water and sewerage system. The pay roll of these workers amounted to over \$1,500,000. They worked over 2,000,000 hours and averaged 66 cents per hour.

Workers on building construction averaged over \$1 per hour, and bridge workers averaged 75 cents per hour.

Purchase orders were placed for materials valued at over \$2,000,000 by contractors working on these projects.

Table 2 shows employment, pay rolls, and man-hours worked on construction 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 APRIL 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.....	2,023	\$165,620	174,494	\$0.949	\$284,270
East North Central.....	190	16,230	15,761	1.030	35,424
West North Central.....	142	11,527	18,955	.608	40,844
South Atlantic.....	887	37,194	87,425	.425	42,455
East South Central.....	237	6,103	17,240	.354	4,092
West South Central.....	2,315	132,925	211,917	.627	192,020
Mountain.....	3,405	207,515	460,899	.450	158,463
Pacific.....	9,444	942,090	1,314,580	.717	1,549,911
Total.....	18,643	1,519,204	2,301,271	.660	2,307,479

Over half the construction workers employed by funds advanced from the Reconstruction Finance Corporation were working in the Pacific States. The largest project for which funds have been advanced by the Reconstruction Finance Corporation is the San Francisco-Oakland Bridge. The largest number of employees in the Pacific States include the workers on this project.

Hourly earnings ranged from 35 cents in the East South Central States to \$1.03 in the East North Central States.

Table 3 shows, by types, the material purchased by contractors working on construction projects financed by the Reconstruction Finance Corporation.

TABLE 3.—MATERIALS PURCHASED DURING MONTH ENDING APR. 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.....	\$92, 861
Cement.....	163, 374
Clay products.....	3, 226
Coal.....	1, 926
Compressed and liquified gas.....	5, 390
Concrete products.....	206, 821
Cordage and twine.....	1, 506
Doors, shutters, and window sash and frames, molding and trim, metal.....	6, 422
Electrical machinery and supplies.....	103, 041
Explosives.....	82, 189
Foundry and machine-shop products, not elsewhere classified.....	159, 450
Fuel oil.....	17, 183
Gasoline.....	16, 471
Hardware, miscellaneous.....	192, 432
Lubricating oil and greases.....	5, 265
Lumber and timber products.....	183, 130
Marble, granite, slate, and other stone products.....	11, 792
Motor vehicles (auto trucks).....	66, 366
Nails and spikes.....	2, 046
Plumbing supplies.....	11, 328
Sand and gravel.....	51, 242
Steam and hot-water heating apparatus.....	5, 012
Steel-works and rolling-mill products, including structural and ornamental metal work.....	848, 391
Tools, other than machine tools.....	18, 032
Wall plaster, wall board, insulating board, and floor composition.....	3, 263
Wire, drawn from purchased rods.....	18, 591
Wirework, not elsewhere classified.....	6, 146
Other.....	24, 583
Total.....	2, 307, 479

Orders for steel works and rolling mill projects amounted to over \$800,000. The value of orders placed for concrete products totaled over \$200,000. It is estimated that 6,000 man-months of labor were created in fabricating this material.

