

UNITED STATES DEPARTMENT OF LABOR

FRANCES PERKINS, Secretary

BUREAU OF LABOR STATISTICS

ISADOR LUBIN, Commissioner

TREND OF EMPLOYMENT

JUNE 1934



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Prepared by Division of Employment Statistics

LEWIS E. TALBERT, Chief

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TREND OF EMPLOYMENT

June 1934

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

Manufacturing Industries

FACTORY employment and pay rolls decreased 1.6 percent and 3.3 percent, respectively, from May to June. These declines are in accord with the May-June trend shown in 8 of the preceding 15 years, 1919 to 1933, inclusive, for which data are available. However, they were accentuated by the longshoremen's strike on the Pacific coast, by sporadic labor disturbances in other localities, and the Cotton Code Authority's order curtailing plant operations under their jurisdiction. The general index of factory employment for June is 81.1, this being lower than the April and May indexes but higher than the indexes of any other month since December 1930. The June pay-roll index (64.9) is lower than the March, April, or May indexes but higher than those of any other month since August 1931.

A comparison of the June 1934 indexes with those of June 1933 shows gains of 21.2 percent in employment and 37.5 percent in pay rolls. A similar comparison with the March 1933 indexes shows gains in June 1934 of 37.9 percent in employment and 74.9 percent in pay rolls.

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

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

The indexes of factory employment and pay rolls are computed from reports made by representative establishments in 90 important manufacturing industries of the country. In June, reports were received from 23,347 establishments employing 3,750,605 wage earners, whose weekly earnings during the pay period ending nearest June 15 totaled \$73,166,887. More than 50 percent of the wage earners in all the manufacturing industries of the country were covered in these reports.

Increases in employment in June were shown in 35 of the 90 manufacturing industries surveyed, while gains in pay rolls were registered in 36 industries. The most pronounced increase in employment was a seasonal rise of 33.5 percent in canning and preserving. The plumbers' supplies industry registered a gain of 18.9 percent, due mainly to greater activity in several large plants. The car building and locomotives industries showed gains in employment of 11.1 and 11 percent, respectively, largely because of orders placed through Public Works Administration allotments. The aircraft industry registered a gain of 12.6 percent due primarily to the settlement of a strike. Seasonal gains of 9 percent, 8.7 percent, and 8.2 percent were reported in ice cream, beet sugar, and beverages, respectively, while tin cans, engines, and butter had increases of 6 percent, 5.4 percent, and 5.2 percent, respectively. In 14 of the remaining 24 industries which showed increases in employment, the gains ranged from 2 to 4.9 percent. Industries of major importance included in this group are shipbuilding; slaughtering, brick; silk and rayon goods; steam fittings; blast furnaces, steel works, rolling mills; cigars and cigarettes; and structural and ornamental metal work.

The most pronounced decline in employment from May to June was a seasonal falling off of 33.4 percent in the fertilizer industry. There was a further decrease of 18.2 percent in typewriters and seasonal declines of 17.2 percent in millinery and 11.7 percent in agricultural implements. Strikes in the fur-felt hats industry were responsible for a shrinkage in employment in this industry of 11.6 percent. The hardware industry showed a decrease of 11 percent in employment, due largely to recessions in factories manufacturing automobile hardware. The women's clothing and the cottonseed oil, cake, and meal industries showed seasonal declines of 10.4 percent and 10.3 percent, respectively. Strikes caused a decline in employment of 9 percent in the cash register industry. The rubber goods

industry (other than boots, shoes, tires, and inner tubes) fell off 8.1 percent in employment and corsets, 7.7 percent. Decreases ranging from 7.2 to 7.5 percent were reported in woolen and worsted goods, pottery, cotton small wares, and men's furnishings. The curtailment of cotton-mill operations in compliance with orders of the code authority, together with strikes, resulted in a decrease of 7.1 percent in employment in that industry. Eleven industries showed decreases ranging from 3.6 to 6.7 percent, among them being automobiles, millwork, boots and shoes, and dyeing and finishing textiles, the latter also being affected by the Cotton Code Authority's curtailment order. In the remaining 28 industries, the decreases ranged from 0.3 percent to 2.9 percent.

A comparison of employment and pay rolls for individual industries in June 1934 and June 1933 shows more workers in 81 of the 90 industries in June of this year and larger pay rolls in 85 industries. The machine tool, car building, and locomotive industries show gains of over 100 percent in both employment and pay rolls.

Dividing the manufacturing industries into "durable" and "non-durable" goods groups, the former group shows decreases in employment and pay rolls of 1.1 percent and 2.8 percent, respectively. The latter group shows a falling-off of 1.8 percent in employment and 3.8 percent in pay rolls. The "durable" goods group is composed of the following subgroups: IRON AND STEEL, MACHINERY, TRANSPORTATION EQUIPMENT, RAILROAD REPAIR SHOPS, NONFERROUS METALS, LUMBER AND ALLIED PRODUCTS, and STONE-CLAY-GLASS.

Per capita weekly earnings for all manufacturing industries combined decreased 1.6 percent from May to June, and increased 13.5 percent from June 1933 to June 1934. Gains from May to June were shown in 41 of the 90 individual manufacturing industries surveyed and ranged from 0.1 percent to 8.5 percent.

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

Man-hour data supplied by identical establishments in May and June 1934 showed a decrease for all manufacturing industries combined of 2.2 percent in average hours worked per week over the month interval and an increase in average hourly earnings of 0.5 percent. Thirty-seven of the industries covered showed increases in average hours worked and 54 reported increased hourly earnings. As all reporting establishments do not furnish man-hour information, the Bureau's figures on average hours worked per week and average hourly earnings are necessarily computed from data furnished by a smaller number of establishments than are covered in the monthly survey of

manufacturing industries. Average hours worked per week and average hourly earnings are presented for only those manufacturing industries in which information covering at least 20 percent of the total employees in the industry are available.

In table 1, which follows, are shown indexes of employment and pay rolls in June 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 May 1934 and June 1933. Per capita weekly earnings in June 1934, together with percentages of change from the previous month and from June 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 June 1934 and average hourly earnings, together with percentages of change from May 1934 and June 1933, are likewise presented for manufacturing as a whole and for those industries in which man-hour data covering at least 20 percent of the total employees in the industry were received.

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

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index June 1934 (3-year average 1923-25 = 100)	Percentage change from—		Index June 1934 (3-year average 1923-25 = 100)	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—	
		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933
All industries.....	81.1	-1.6	+21.2	64.9	-3.3	+37.5	\$19.51	-1.6	+13.5	² 34.9	-2.2	-15.8	Cents ² 55.0	+0.5	+31.2
Iron and steel and their products, not including machinery.....	76.4	+1.6	+37.2	62.6	+2.1	+72.9									
Blast furnaces, steel works, and rolling mills.....	79.1	+3.0	+44.9	68.9	+4.2	+98.0	23.86	+1.2	+36.9	37.2	+1.6	-2.7	64.4	-3	+42.2
Bolts, nuts, washers, and rivets.....	84.8	-2.6	+22.5	64.5	-5.3	+47.3	19.61	-2.8	+20.0	35.4	-4.1	-10.6	55.3	+1.3	+29.5
Cast-iron pipe.....	53.6	+4.9	+35.4	28.9	-3.6	+46.7	14.41	-8.2	+8.1	28.8	-9.1	-2.7	50.2	+2	+18.7
Cutlery (not including silver and plated cutlery), and edge tools.....	79.7	-2.0	+32.4	56.5	-4.8	+35.8	19.11	-2.9	+2.5	35.9	-3.8	-11.7	53.3	+8	+16.6
Forgings, iron and steel.....	59.0	-2.8	+51.7	42.9	-6.1	+71.6	21.45	-3.3	+13.6	35.7	-1.9	-10.9	60.4	-7	+26.6
Hardware.....	73.0	-11.0	+32.0	52.5	-15.1	+39.6	16.97	-4.6	+8.5	31.5	-3.4	-18.4	53.7	-1.3	+25.3
Plumbers' supplies.....	64.3	+18.9	-2.0	38.3	+25.9	-8.2	17.52	+5.9	-5.9	33.5	+4.0	-22.7	51.7	+2.2	+22.3
Steam and hot-water heating apparatus and steam fittings.....	49.2	+3.2	-8	31.8	+4.1	+15.2	21.06	+9	+15.7	35.1	+1.4	-12.1	59.7	-5	+24.8
Stoves.....	94.2	-1.4	+51.7	66.2	-3.3	+60.7	19.33	-1.9	+6.5	35.7	-4.0	-10.7	53.7	+1.7	+21.3
Structural and ornamental metal work.....	59.7	+2.0	+42.1	42.7	+2.7	+87.3	20.23	+6	+31.5	34.7	-6	-5	58.4	+1.0	+27.5
Tin cans and other tinware.....	96.7	+6.0	+24.0	94.1	+8.3	+27.3	19.96	+2.1	+2.6	38.0	+2.4	-15.2	51.8	-8	+15.4
Tools (not including edge tools, machine tools, files, and saws).....	61.1	-1.1	+37.0	52.7	-2.4	+58.3	19.76	-1.3	+15.5	39.4	+5.3	-3.2	49.7	-6.4	+19.0
Wirework.....	131.4	-2.5	+30.6	119.3	-3.1	+48.0	19.90	-6	+12.9	37.5	-2.6	-3.7	52.9	+1.7	+40.0
Machinery, not including transportation equipment.....	80.8	-6	+49.1	61.6	-1.0	+73.0									
Agricultural implements.....	73.3	-11.7	+90.4	76.1	-12.8	+129.9	19.88	-1.3	+20.5	36.1	(?)	-4	55.5	-2	+22.4
Cash registers, adding machines, and calculating machines.....	94.5	-9.0	+23.7	75.6	-8.1	+38.7	26.10	+1.0	+12.4	38.7	-8	-6.3	68.6	+2.4	+20.9
Electrical machinery, apparatus, and supplies.....	86.2	+1.3	+37.9	51.8	+3.9	+59.9	21.61	+2.6	+15.4	35.0	+2.3	-3.8	60.5	+8	+19.0
Engines, turbines, tractors, and water wheels.....	72.6	+6.4	+77.5	49.6	+9.7	+105.0	23.96	+4.1	+15.4	38.2	+1.6	+1.4	62.7	+2.6	+15.9
Foundry and machine-shop products.....	73.1	-7	+49.5	55.5	-2.4	+77.9	20.94	-1.6	+19.3	35.6	-2.7	+9	58.9	+9	+21.8
Machine tools.....	70.9	-1.3	+102.0	57.0	-3.9	+135.5	23.59	-2.6	+17.3	38.8	-2.5	+3.8	61.0	(?)	+13.7
Radios and phonographs.....	206.0	+2.4	+52.6	117.4	+4.5	+57.4	18.31	+2.0	+2.9	32.6	+3	-21.5	55.4	+3.7	+50.1
Textile machinery and parts.....	73.2	-3.6	+35.6	59.5	-5.4	+34.3	20.90	-1.9	-1.2	35.6	-2.5	-19.9	59.8	+8	+22.4
Typewriters and parts.....	64.5	-18.2	+25.0	53.4	-14.3	+71.2	20.66	+4.8	+37.2	37.4	+3.6	+6.6	55.3	+1.3	+28.4

Footnotes at end of table.

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Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index June 1934 (3-year average 1923-25 = 100)	Percentage change from—		Index June 1934 (3-year average 1923-25 = 100)	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—	
		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933
Transportation equipment.....	95.1	-4.3	+85.9	78.1	-11.2	+92.4									
Aircraft.....	418.1	+12.6	+28.5	366.3	+16.3	+25.7	\$24.92	+3.2	-2.3	41.6	+4.3	-9.6	59.5	-2.0	+3.0
Automobiles.....	106.8	-6.7	+83.5	85.8	-14.5	+86.9	22.54	-8.4	+2.0	32.3	-7.7	-20.9	69.9	-6	+28.2
Cars, electric- and steam-railroad.....	53.9	+11.1	+172.2	53.1	+12.3	+266.2	20.64	+1.1	+35.5	36.1	+1.7	+27.6	57.4	-5	+7.4
Locomotives.....	32.5	+11.0	+177.8	14.6	+15.0	+231.8	22.09	+3.6	+19.9	35.5	+9	-12.4	62.2	+2.6	+20.6
Shipbuilding.....	76.6	+4.8	+59.6	60.2	+2	+85.2	22.71	-4.4	+16.2	31.3	-1.9	+2.5	72.2	-1.2	+27.4
Railroad repair shops.....	59.8	+3	+23.6	53.8	(9)	+41.2									
Electric railroad.....	66.7	+1	+1.7	59.6	+4	+10.2	26.66	+3	+8.4	44.7	-9	+1.2	59.3	+1.2	+7.8
Steam railroad.....	59.3	+3	+25.9	53.5	-1	+45.0	25.04	-4	+14.9	40.3	-2	+13.2	61.9	+2	+1.9
Nonferrous metals and their products.....	75.9	-2.4	+30.0	57.9	-4.5	+44.8									
Aluminum manufactures.....	76.0	-2.7	+12.3	59.1	-7.0	+17.3	18.74	-4.4	+4.7	37.1	-5	-14.8	54.2	+3.2	+35.0
Brass, bronze, and copper products.....	78.2	-3.7	+26.5	58.4	-6.0	+37.1	20.74	-2.3	+8.4	36.7	-2.4	-10.3	56.4	(9)	+22.8
Clocks and watches and time-recording devices.....	69.4	-3.8	+43.1	52.9	-9.9	+86.9	17.24	-6.4	+30.4	35.9	-8.4	-9.1	48.0	+2.1	+27.8
Jewelry.....	64.6	-1.9	+23.3	48.3	-1.4	+34.5	18.18	+4	+9.5	33.8	-3.2	-9.4	53.4	+5.3	+26.1
Lighting equipment.....	61.9	-5.5	+30.6	49.8	-5.5	+32.4	18.79	+1	+1.6	37.0	+1.4	-7.3	51.7	-1.7	+7.7
Silverware and plated ware.....	69.3	-2.5	+31.3	49.8	-4.3	+46.9	19.80	-1.8	+11.9	36.4	-2.2	-6.4	54.1	(9)	+29.0
Smelting and refining—copper, lead and, zinc.....	67.4	+3.2	+60.1	43.5	+3.5	+70.6	20.74	+3	+6.6	38.0	+5	-12.2	54.3	-2	+20.6
Stamped and enameled ware.....	93.0	-2.7	+23.5	80.1	-4.2	+55.2	18.07	-1.6	+25.4	36.0	-1.9	+3.3	50.1	+2	+24.4
Lumber and allied products.....	50.0	-2.0	+17.1	33.9	-2.0	+36.7									
Furniture.....	62.4	+1.9	+5.1	41.2	+1.8	+21.2	15.43	-1	+15.0	34.6	+9	-14.1	44.8	-9	+35.5
Lumber:															
Millwork.....	37.9	-6.2	+8.6	24.1	-4.9	+19.9	15.19	+1.3	+10.1	34.2	+3	-17.5	44.3	+7	+32.0
Sawmills.....	35.1	-2.6	+28.6	23.2	-4.3	+61.1	14.62	-1.7	+24.4	34.1	-1.4	-20.1	43.5	(9)	+55.1
Turpentine and rosin.....	98.6	-3.7	+21.6	51.0	-9	+53.6	12.28	+2.9	+26.4						
Stone, clay, and glass products.....	57.1	-1.0	+24.4	38.8	-1.8	+35.7									
Brick, tile, and terra cotta.....	34.4	+3.8	+23.3	19.3	+6.2	+54.4	14.70	+2.2	+24.2	33.1	+1.2	-10.3	44.2	+1.8	+38.1
Cement.....	59.1	+2.6	+27.1	39.9	+11.4	+57.7	20.33	+8.5	+23.9	35.6	+8.9	-8.0	56.4	-9	+39.1
Glass.....	93.6	-1.6	+31.6	73.4	-3.2	+30.6	18.42	-1.6	-8	33.5	-1.2	-17.0	55.0	-1.4	+19.6
Marble granite, slate, and other products.....	33.8	-2.4	+1.5	22.8	-8.3	+10.1	21.39	-6.1	+8.6	32.1	-3.3	+1.9	66.1	-2.8	+24.3
Pottery.....	69.4	-7.4	+20.5	43.7	-12.8	+33.6	15.97	-5.8	+10.9	31.4	-9.2	-7.8	49.7	+1.8	+24.9

Textiles and their products	91.0	-5.3	+1.4	66.5	-10.3	+12.1												
Fabrics	90.0	-5.2	+1.8	67.0	-10.5	+7.2												
Carpets and rugs	68.5	+7	+21.2	56.6	+6.2	+35.1	19.35	+5.4	+11.2	34.5	+5.2	-20.3	55.9	+1.1	+40.4			
Cotton goods	94.2	-7.1	+4.6	65.3	-17.8	+7.0	11.17	-11.5	+2.2	28.8	-14.0	-40.9	38.1	+1.9	+69.3			
Cotton small wares	80.5	-7.5	+2.8	63.3	-10.7	+4.8	15.31	-3.5	+1.7	33.6	-5.1	-24.7	46.3	+1.8	+39.6			
Dyeing and finishing textiles	105.6	-6.6	+12.7	72.9	-17.0	-4.1	15.62	-11.1	-14.6	29.6	-11.9	-41.6	52.2	+2	+43.0			
Hats, fur-felt	74.8	-11.6	+3	68.8	-13.1	+7.7	20.33	-1.7	+7.1	33.2	+7.8	-4.5	66.3	-3.9	+41.4			
Knit goods	110.6	-2.9	+4.9	100.0	-6.0	+25.6	15.29	-3.2	+19.4	33.6	-4.5	-24.9	45.8	+1.6	+55.5			
Silk and rayon goods	75.4	+3.5	+5.9	59.0	+4.9	+23.4	14.60	+1.2	+18.4	32.9	+1.2	-22.9	44.2	+5	+48.5			
Woolen and worsted goods	69.9	-7.2	-17.7	49.7	-8.2	-19.2	16.26	-1.0	-1.8	32.2	-2.4	-31.7	50.5	+1.4	+14.7			
Wearing apparel	89.3	-5.7	+3	61.7	-9.4	+24.6												
Clothing, men's	81.6	+1	+2.5	54.6	+2.3	+30.6	15.73	+2.2	+27.6	29.3	-1.3	-23.0	53.5	+4.7	+56.7			
Clothing, women's	113.4	-10.4	+5	72.6	-18.1	+28.3	16.24	-8.6	+28.0									
Corsets and allied garments	87.5	-7.7	-2.2	76.4	-10.4	+5.5	14.84	-2.9	+8.4	33.1	-2.9	-12.8	47.4	-2	+29.4			
Men's furnishings	96.2	-7.5	-6.1	66.7	-7.3	+7.8	13.65	+2.9	+14.6	32.6	-2.1	-17.4	39.2	+1.8	+71.1			
Millinery	64.6	-17.2	-15.7	51.5	-24.1	-9.6	17.76	-8.4	+7.2									
Shirts and collars	104.6	-1.9	+3.9	94.1	(9)	+34.8	12.76	+1.9	+29.8	32.5	(9)	-20.8	38.5	+2.1	+60.1			
Leather and its manufactures	87.7	-4.0	+5.2	72.9	-7.6	+12.5												
Boots and shoes	86.8	-4.9	+3.3	70.5	-9.1	+11.7	17.20	-4.4	+7.7	35.8	-3.0	-32.3	50.5	-1.0	+49.7			
Leather	91.5	-6	+12.8	79.8	-2.7	+14.8	20.16	-2.2	+2.0	37.6	-3	-18.5	52.6	-9	+29.2			
Food and kindred products	105.1	+5.5	+17.2	91.9	+5.4	+25.0												
Baking	114.6	+1.2	+16.8	96.5	+1.3	+21.2	21.89	+1	+4.0	41.7	+1.5	-10.0	52.0	-	+16.4			
Beverages	183.0	-8.2	+14.1	182.5	+9.3	+16.5	29.68	+9	+2.1	40.0	+1.5	-22.2	73.8	-8	+31.7			
Butter	88.8	+5.2	+12.5	68.0	+5.1	+13.7	20.95	-1	+1.2									
Canning and preserving	90.7	+33.5	+29.8	84.2	+22.7	+50.6	11.90	-8.0	+34.6	30.8	-7.8	-14.3	38.7	+1.6	+31.8			
Confectionery	68.9	-3.7	-3.6	58.0	-4.3	+18.9	14.95	-6	+23.3	36.3	+6	+5.9	41.0	+2	+21.2			
Flour	74.8	+1.1	+16.5	62.7	+2.4	+26.2	21.12	+1.3	+8.4	38.8	+1.0	-17.5	53.6	(9)	+29.2			
Ice cream	86.7	+9.0	+25.5	68.9	+8.2	+28.3	25.04	-8	+2.7	46.0	+1.5	-14.3	55.3	-2.5	+15.3			
Slaughtering and meat packing	101.4	+4.9	+22.3	87.2	+8.0	+34.4	21.82	+3.0	+9.8	40.3	+2.0	-15.7	53.1	-2	+28.1			
Sugar, beet	47.6	+8.7	+7.4	38.9	+7.5	+14.4	22.07	-1.0	+6.3	38.9	+3.5	-14.8	59.5	-6.4	+24.3			
Sugar refining, cane	89.5	+3.6	+17.6	77.3	+9.6	+9.5	22.67	+5.8	-7.1	39.2	+4.0	-19.9	56.1	+2.7	+17.8			
Tobacco manufactures	62.4	+1.8	+2.0	47.5	+2.6	+8.7												
Chewing and smoking tobacco and snuff	73.2	-4.8	-2.3	66.6	+2.0	+5.0	13.70	+7.1	+7.6	34.1	+4.0	-16.4	38.7	+2.9	+27.5			
Cigars and cigarettes	61.0	+2.8	+2.7	45.1	+2.9	+9.5	13.30	+1	+6.6	35.3	-1.7	-15.0	37.5	+1.4	+24.0			
Paper and printing	94.7	-1.3	+15.1	78.9	-2.1	+15.8												
Boxes, paper	83.9	-1.6	+15.1	73.8	-3.1	+20.8	18.08	-1.5	+5.2	36.2	-1.4	-18.0	49.6	+6	+28.6			
Paper and pulp	106.0	-1.2	+24.9	78.5	-1.6	+24.2	18.38	-4	-4	35.9	-1.4	-21.6	51.1	+1.2	+27.9			
Printing and publishing:																		
Book and job	84.8	-2.1	+11.6	71.0	-3.2	+19.7	26.06	-1.2	+7.3	35.6	-1.9	-2.7	72.5	+1	+8.5			
Newspapers and periodicals	98.8	-3	+9.2	87.5	-1.0	+14.2	32.49	-8	+4.6	37.0	-1.9	-5.5	85.8	+2	+11.4			
Chemicals and allied products, and petroleum refining	104.5	-1.5	+18.9	88.1	-2	+23.6												
Other than petroleum refining	102.9	-2.3	+20.2	86.6	-5	+27.0												
Chemicals	111.7	+4	+38.8	96.1	+1.8	+40.9	24.18	+1.5	+2.4	38.6	+8	-11.6	62.3	+8	+14.7			
Cottonseed—oil, cake, and meal	50.7	-10.3	-15.5	48.0	-5.1	-12.9	10.59	+5.8	+3.3	40.9	+4.1	-33.5	26.3	+3.5	+53.6			
Druggists' preparations	96.9	-9	+16.9	90.3	+2.0	+20.6	20.56	+2.9	+3.3	38.2	-2.7	-2.2	52.2	+1.8	+9.9			
Explosives	95.7	-2.6	+45.2	73.5	-2.3	+61.2	21.91	+4	+11.3	33.6	-1.8	-8.2	59.0	+7	+12.9			
Fertilizers	74.4	-33.4	+33.1	57.5	-31.6	+44.8	12.89	+2.6	+8.4	31.8	-2.8	-32.0	40.8	+6.3	+58.5			
Paints and varnishes	106.1	-1.2	+18.7	86.3	-1.8	+19.4	22.13	-6	+5	39.4	-1.3	-16.9	54.7	+6	+21.2			

Footnotes at end of table.

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

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index June 1934 (3-year average 1923-25 =100)	Percentage change from—		Index June 1934 (3-year average 1923-25 =100)	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—	
		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933
Chemical and allied products, and petroleum refining—Continued.															
Other than petroleum refining—Continued.															
Rayon and allied products.....	273.8	+2.3	+5.3	200.0	+4.6	+21.4	\$19.26	+2.2	+15.3	37.4	+1.3	-9.6	<i>Cents</i> 51.5	+1.8	+31.2
Soap.....	99.9	-2.3	+15.2	86.0	-1.2	+18.1	21.23	+1.2	+2.3	37.9	-1.3	-17.0	55.0	+1.3	+20.9
Petroleum refining.....	111.4	+1.7	+15.0	93.1	+1.5	+14.2	26.43	-1.2	-6	34.7	-1.4	-12.4	74.0	+1.3	+19.5
Rubber products	85.6	-3.9	+23.5	66.5	-5.4	+24.8									
Rubber boots and shoes.....	46.6	-2.5	+18.6	41.1	-4.0	+20.2	17.98	-1.5	+4.4	35.6	-2.7	-12.4	46.4	-1.3	+34.3
Rubber goods, other than boots, shoes, tires, and inner tubes.....	124.2	-8.1	+22.1	99.4	-6.1	+29.9	18.64	+2.2	+6.5	36.4	+2.5	-15.4	50.6	-1.2	+22.0
Rubber tires and inner tubes.....	81.7	-1.2	+25.7	61.1	-5.2	+22.9	23.48	-4.0	-2.1	30.3	-5.9	-29.0	77.4	+1.9	+34.9

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. Percentage changes over year on per capita weekly earnings, average hours worked per week, and average hourly earnings computed from indexes. Percentage change over month on per capita weekly earnings in "all industries" also computed from indexes.

² Weighted.

³ No change.

⁴ Less than $\frac{1}{10}$ of 1 percent.

⁵ Percentage change from May 1933 to May 1934, which was published in the May 1934 Trend of Employment, should have been +23.5 instead of +12.3.

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

In the following table are presented the estimated number of wage earners and weekly pay rolls in all manufacturing industries combined and in the 14 groups into which these manufacturing industries have been classified, for the years from 1919 to 1933, inclusive, and for the first 6 months of 1934. These estimates have been computed by multiplying the weighting factor of the several groups of industries (number employed or weekly pay roll in the index base period 1923-25.) by the Bureau's index numbers of employment or pay rolls (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 electric light and power and manufactured gas 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 JUNE 1934

Year and month	Total manu- facturing	Iron and steel and their products	Machinery, not includ- ing trans- portation equipment	Transpor- tation equipment	Railroad repair shops	Nonferrous metals and their prod- ucts
Employment						
1919 average.....	8,983,900	858,600	1,026,800	(1)	(1)	(1)
1920.....	9,065,600	926,300	1,131,700	(1)	(1)	(1)
1921.....	6,899,700	572,400	680,700	(1)	(1)	(1)
1922.....	7,592,700	722,500	717,400	(1)	(1)	(1)
1923.....	8,724,900	892,400	928,600	606,200	523,700	(1)
1924.....	8,083,700	833,700	835,400	524,500	464,900	(1)
1925.....	8,328,200	851,200	870,500	559,600	458,100	(1)
1926.....	8,484,400	880,200	946,700	558,600	460,700	(1)
1927.....	8,288,400	834,900	897,800	495,100	428,900	(1)
1928.....	8,285,800	829,800	922,500	541,900	404,000	(1)
1929.....	8,785,600	881,000	1,105,700	583,200	398,200	(1)
1930.....	7,668,400	766,200	918,700	451,800	353,800	(1)
1931.....	6,484,300	598,400	687,000	373,800	309,000	209,000
1932.....	5,374,200	458,100	494,600	315,700	257,400	164,200
1933.....	5,778,400	503,400	517,100	305,600	250,600	175,200
1934: January.....	6,146,000	545,500	614,700	401,200	254,500	190,200
February.....	6,514,200	572,200	640,100	477,300	257,400	200,400
March.....	6,770,100	601,400	674,400	526,300	267,600	212,200
April.....	6,897,800	623,700	705,100	558,400	278,700	217,300
May.....	6,904,300	646,000	713,900	560,100	287,300	219,900
June.....	6,799,900	656,400	709,500	535,900	288,300	214,500
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)

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 JUNE 1934—Continued

Year and month	Total manu- facturing	Iron and steel and their products	Machinery not includ- ing trans- portation equipment	Transpor- tation equipment	Railroad repair shops	Nonferrous metals and their prod- ucts
	Weekly pay rolls—Continued					
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	11,260,000	9,072,000	5,710,000	3,452,000
February.....	123,395,000	11,269,000	12,253,000	12,394,000	6,185,000	3,826,000
March.....	131,852,000	12,650,000	13,199,000	14,546,000	6,577,000	4,163,000
April.....	136,962,000	14,006,000	14,311,000	15,871,000	7,188,000	4,317,000
May.....	136,575,000	15,115,000	14,713,000	15,148,000	7,297,000	4,441,000
June.....	132,040,000	15,436,000	14,571,000	13,444,000	7,297,000	4,243,000

Year and month	Lumber and allied products	Stone, clay, and glass products	Textiles and their products			Leather and its manu- factures
			Fabrics	Wearing apparel	Total	
	Employment					
1919 average.....	863,800	302,700	1,052,600	507,800	1,609,400	349,600
1920.....	821,200	314,500	1,045,300	519,400	1,612,400	318,600
1921.....	703,000	253,000	994,300	473,900	1,509,400	280,100
1922.....	894,300	299,600	1,054,900	487,800	1,585,500	314,600
1923.....	932,100	351,400	1,164,400	499,300	1,714,300	344,800
1924.....	901,300	346,400	1,041,900	455,800	1,545,500	311,700
1925.....	921,600	352,700	1,109,500	466,500	1,627,400	314,200
1926.....	922,300	363,500	1,095,700	472,800	1,628,000	312,700
1927.....	864,100	349,800	1,119,200	501,400	1,694,400	316,000
1928.....	848,100	334,900	1,062,400	513,100	1,651,300	309,400
1929.....	876,500	328,500	1,095,900	536,700	1,706,900	318,600
1930.....	699,400	280,800	950,400	497,700	1,513,000	295,100
1931.....	516,900	222,800	886,700	472,000	1,421,000	272,800
1932.....	377,800	156,000	794,100	401,800	1,250,300	255,500
1933.....	406,100	157,500	952,600	418,100	1,432,700	269,400
1934: January.....	418,800	165,700	988,400	385,900	1,437,100	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	471,300	1,629,400	299,900
April.....	453,700	193,700	1,070,200	474,100	1,614,700	298,600
May.....	468,400	202,100	1,049,200	440,000	1,565,900	295,700
June.....	459,200	200,000	995,000	423,400	1,482,800	283,700

	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	6,809,000
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.....	5,969,000	3,081,000	16,457,000	8,414,000	26,164,000	5,896,000
April.....	6,168,000	3,445,000	16,152,000	7,866,000	25,277,000	5,736,000
May.....	6,409,000	3,507,000	15,256,000	7,039,000	23,472,000	5,512,000
June.....	6,279,000	3,445,000	13,647,000	6,377,000	21,065,000	5,093,000

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

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	334,200	141,800
1926.....	664,400	125,700	553,600	355,100	141,200
1927.....	679,400	129,300	553,500	346,700	142,000
1928.....	707,100	125,600	558,300	342,500	149,200
1929.....	753,500	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	451,000	279,700	87,800
1933.....	631,000	82,700	458,400	315,400	99,300
1934: January.....	628,700	75,400	490,700	359,200	110,100
February.....	627,800	85,900	494,500	368,300	113,600
March.....	643,100	89,100	497,600	375,600	117,000
April.....	649,500	89,500	505,100	377,400	120,900
May.....	665,400	84,800	509,300	353,500	119,700
June.....	702,600	86,400	503,000	348,100	115,000
Year and month	Weekly pay rolls				
1919 average.....	\$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.....	15,155,000	2,213,000	14,797,000	8,013,000	3,223,000
1925.....	15,268,000	2,147,000	15,506,000	8,444,000	3,676,000
1926.....	15,503,000	2,049,000	16,478,000	9,055,000	3,707,000
1927.....	15,838,000	2,025,000	16,501,000	8,978,000	3,810,000
1928.....	16,388,000	1,916,000	16,691,000	8,997,000	4,069,000
1929.....	17,344,000	1,819,000	17,771,000	10,068,000	3,986,000
1930.....	16,593,000	1,617,000	17,036,000	9,334,000	2,934,000
1931.....	14,173,000	1,336,000	14,461,000	7,643,000	2,165,000
1932.....	11,308,000	1,052,000	11,126,000	5,861,000	1,555,000
1933.....	11,604,000	944,000	10,299,000	6,179,000	1,740,000
1934: January.....	12,301,000	886,000	11,045,000	7,035,000	2,036,000
February.....	12,352,000	1,012,000	11,297,000	7,257,000	2,261,000
March.....	12,522,000	1,019,000	11,550,000	7,417,000	2,445,000
April.....	12,663,000	1,028,000	11,847,000	7,683,000	2,546,000
May.....	13,296,000	1,030,000	11,981,000	7,352,000	2,438,000
June.....	14,008,000	1,057,000	11,728,000	7,333,000	2,306,000

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 June 1934, inclusive, together with average indexes for each of the years from 1919 to 1933, inclusive, and for the 6-month period, January to June 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.

TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND PAY-ROLL TOTALS IN MANUFACTURING INDUSTRIES BY MONTHS—JANUARY 1919 TO JUNE 1934, INCLUSIVE

[3-year average, 1923-25=100]

Month	Employment															
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
January.....	105.3	114.9	81.0	82.5	100.7	100.2	96.3	100.5	98.2	95.0	100.8	97.3	79.6	68.7	60.2	73.3
February.....	102.0	113.7	82.6	84.6	102.5	101.5	98.1	101.5	99.7	96.5	102.9	97.4	80.3	69.5	61.1	77.7
March.....	102.4	116.0	83.2	85.9	104.6	101.7	98.8	102.1	100.2	97.6	104.1	96.9	80.7	68.4	58.8	80.8
April.....	102.5	114.5	82.1	85.8	105.0	99.9	98.7	101.4	99.6	97.1	105.3	96.3	80.7	66.1	59.9	82.3
May.....	103.1	112.0	81.9	87.9	105.3	96.8	98.1	100.4	99.1	97.0	105.3	94.8	80.1	63.4	62.6	82.4
June.....	104.3	111.1	81.0	89.8	106.0	93.8	98.0	100.3	99.1	97.8	105.6	92.9	78.4	61.2	66.9	81.1
July.....	106.9	108.5	79.8	88.2	104.9	91.0	97.8	99.4	98.1	97.7	106.1	89.5	77.0	58.9	71.5	-----
August.....	109.7	108.8	81.2	91.4	105.2	92.1	99.5	101.4	99.3	100.1	107.9	88.8	77.1	60.1	76.4	-----
September.....	111.7	107.5	83.4	94.5	105.7	94.4	101.5	103.4	100.5	102.2	109.0	89.6	77.4	63.3	80.0	-----
October.....	111.3	103.7	84.1	97.0	104.5	95.3	102.2	103.1	99.6	102.6	107.7	87.7	74.4	64.4	79.6	-----
November.....	112.6	97.4	84.2	99.0	103.2	94.8	101.8	101.4	97.4	101.7	103.6	84.6	71.8	63.4	76.2	-----
December.....	114.4	89.7	83.3	100.5	101.4	96.1	101.5	100.0	96.1	101.2	99.8	82.3	71.0	62.1	74.4	-----
Average....	107.2	108.2	82.3	90.6	104.1	96.5	99.4	101.2	98.9	98.9	104.8	91.5	77.4	64.1	69.0	79.6
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	67.1
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	64.9
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	83.5	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	63.1

¹ Average for 6 months.

For comparative purposes the Bureau has computed the group and general index numbers of employment and pay rolls for June 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:

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 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 JUNE 1934

Group	Employment index	Pay-roll index
All manufacturing.....	76.4	59.5
Iron and steel and their products, not including machinery.....	80.2	62.4
Machinery, not including transportation equipment.....	71.4	53.9
Transportation equipment.....	90.9	73.6
Railroad repair shops.....	55.6	49.1
Nonferrous metals and their products.....	73.4	55.8
Lumber and allied products.....	47.7	30.5
Stone, clay, and glass products.....	57.0	37.5
Textiles and their products.....	81.5	57.8
Fabrics.....	86.8	63.5
Wearing apparel.....	68.9	46.6
Leather and its manufactures.....	82.9	62.5
Food and kindred products.....	100.0	86.5
Tobacco manufactures.....	69.8	54.8
Paper and printing.....	90.7	73.3
Chemicals and allied products and petroleum refining.....	95.9	80.6
Rubber products.....	87.1	67.6

Employment in Nonmanufacturing Industries in June 1934

ELEVEN of the fourteen nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics reported gains in employment from May to June and nine reported larger pay rolls in June than in May. Data for the building-construction industry are not presented here, but are shown in detail under the section "Building construction."

The most pronounced gains in employment and pay rolls (4.4 percent and 5.5 percent, respectively), were in quarrying and nonmetallic mining, this being the fourth successive month in which gains have been registered in this industry. Employment in the crude-petroleum-producing industry rose 4.3 percent and pay rolls increased 1 percent. Laundries reported gains of 2.3 percent and 2 percent in employment and pay rolls, respectively. The electric light and power and manufactured gas industry showed a gain of 1.1 percent in employment, and the electric-railroad and motor-bus operations industry reported a gain of 0.9 percent. Employment in the dyeing and cleaning industry increased 0.7 percent from May to June and the hotels and metalliferous mining industries reported gains in employment of 0.6 percent each. The telephone and telegraph industry showed a gain of 0.3 percent and the banks-brokerage-insurance-real-estate group reported a gain of 0.2 percent. Employment in the bituminous-coal mining industry showed practically no change, the gain being less than one-tenth of 1 percent.

Of the three industries showing decreases in employment, the only pronounced change was in the anthracite-mining industry, in which employment declined 9.8 percent from May to June. The corresponding loss in pay rolls was 16.8 percent. Employment in wholesale-

trade establishments fell off 0.6 percent over the month interval and pay rolls increased 0.2 percent. Reports received from 36,851 retail trade establishments showed decreases of 0.7 percent in employment and 0.3 percent in pay rolls. The group of department stores, general-merchandise and limited-price stores, and mail-order houses showed a decrease of 1.4 percent in employment and 0.7 percent in pay rolls. The combined totals of the remaining 34,407 retail-trade establishments reporting, showed practically no changes in employment and pay rolls from May to June.

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

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index June 1934 (average 1929=100)	Percentage change from—		Index June 1934 (average 1929=100)	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—		Average in June 1934	Percentage change from—	
		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933		May 1934	June 1933
Coal mining:															
Anthracite.....	57.5	-9.8	+45.6	53.3	-16.8	+55.4	\$26.98	-7.8	+6.8	² 31.7	² -8.6	² +1.6	<i>Cents</i> ² 82.3	² -0.2	² +2.2
Bituminous.....	76.7	+ ³	+25.1	55.1	+1.3	+88.7	18.54	+1.3	+50.8	26.2	-1.1	-4.3	71.3	+1.4	+52.4
Metalliferous mining.....	41.0	+6	+30.2	26.7	+4.2	+45.9	20.99	+3.6	+12.0	37.4	+3.6	-5.8	55.5	(⁴)	+18.7
Quarrying and nonmetallic mining.....	56.6	+4.4	+19.7	37.0	+5.5	+34.5	16.96	+1.1	+12.6	35.8	+1.4	-11.9	48.0	+8	+30.1
Crude-petroleum producing.....	80.0	+4.3	+37.9	56.9	+1.0	+40.1	26.87	-3.2	+1.6	34.0	-2.6	-22.4	79.2	+6	+24.3
Public utilities:															
Telephone and telegraph.....	70.4	+3	+1.7	71.3	-2	+7.1	26.80	-4	+5.3	38.3	+5	+2.4	71.2	-7	+2.9
Electric light and power and manufactured gas.....	84.0	+1.1	+8.7	77.8	+3	+11.3	29.35	-7	+2.4	38.8	-1.3	-8.1	75.7	+4	+12.1
Electric-railroad and motor-bus operation and maintenance.....	73.2	+9	+5.6	63.2	+4	+9.0	27.61	-5	+3.1	45.8	-2	-1.7	59.8	-3	+10.1
Trade:															
Wholesale.....	84.1	-6	+11.1	66.5	+2	+16.1	26.38	+8	+4.5	41.2	+2	-10.7	63.8	(⁴)	+17.6
Retail.....	88.2	-7	+12.6	71.6	-3	+18.3	20.03	+4	+5.0	39.7	-1.0	-13.3	50.8	+2.0	+19.8
Hotels (cash payments only) ⁵	86.2	+6	+17.1	66.2	+5	+26.6	13.22	-1	+8.0	47.1	-8	-6.1	27.4	(⁴)	+16.6
Laundries.....	⁶ 84.0	+2.3	+6.1	⁶ 68.3	+2.0	+15.0	15.30	-3	+8.4	39.9	(⁴)	-4.8	37.8	-3	+14.2
Dyeing and cleaning.....	⁶ 84.9	+7	+7.3	⁶ 64.1	-1.5	+19.4	18.39	-2.2	+11.2	41.0	-7	-14.7	44.5	-1.8	+27.4
Banks, brokerage, insurance, and real estate.....	(⁷)	⁸ +2	⁸ +3.1	(⁷)	⁸ -1.1	⁸ +4.3	31.94	⁸ -1.3	⁸ +1.2	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)	(⁷)

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. Percentage changes over year computed from indexes.

² May data revised—Average hours in May 1934 are 34.6, percentages of change from April 1934 and May 1933 are +3.9 and +37.8, respectively. Average hourly earnings in May 1934 are 83.2 cents, percentages of change from April 1934 and May 1933 are +2.6 and +2.9, respectively.

³ Less than 1/10 of 1 percent.

⁴ No change.

⁵ The additional value of board, room, and tips cannot be computed.

⁶ Revised to conform with average shown by 1931 Census of Manufactures.

⁷ Not available.

⁸ Weighted.

Indexes of Employment and Pay-Roll Totals for Nonmanufacturing Industries

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

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

TABLE 2.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR NONMANUFACTURING INDUSTRIES, JANUARY 1931 TO JUNE 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	63.8	76.1	58.0	30.0	64.0	82.4	62.6	61.2	76.7	54.4	30.7	26.9	54.4
June.....	76.1	53.0	39.5	57.5	66.7	37.4	34.3	53.3	78.4	60.5	61.3	76.7	52.4	27.3	29.2	55.1
July.....	65.1	44.5	43.8	-----	53.7	34.5	38.2	-----	76.4	58.6	63.2	-----	50.4	24.4	33.6	-----
August.....	67.3	49.2	47.7	-----	56.4	41.4	46.6	-----	77.0	59.4	68.6	-----	50.6	26.4	43.3	-----
September.....	80.0	55.8	56.8	-----	64.9	47.0	60.7	-----	80.4	62.4	71.8	-----	53.6	30.2	44.1	-----
October.....	86.8	63.9	56.9	-----	91.1	66.7	61.6	-----	81.3	67.0	68.0	-----	56.2	37.8	44.1	-----
November.....	83.5	62.7	61.0	-----	79.5	51.0	47.8	-----	81.1	69.4	74.8	-----	54.6	38.0	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	62.4	75.4	53.7	45.8	65.1	83.2	67.4	67.9	75.9	57.5	35.6	37.8	54.3
Month	Metalliferous mining								Quarrying and nonmetallic mining							
	Employment				Pay rolls				Employment				Pay rolls			
	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934
January.....	68.3	49.3	32.4	39.6	55.0	29.7	18.1	25.4	64.4	48.9	35.1	39.7	50.4	30.2	18.1	21.3
February.....	65.3	46.9	31.5	40.3	54.6	27.8	17.8	26.0	66.6	47.4	34.8	38.8	54.4	29.6	17.4	21.0
March.....	63.5	45.0	30.0	39.8	52.8	26.5	17.4	25.9	70.0	46.0	35.1	42.0	58.2	28.7	17.8	24.1
April.....	63.9	43.3	29.4	41.7	51.4	25.0	16.4	27.2	76.1	48.6	39.3	48.7	62.6	30.0	20.2	29.9
May.....	62.4	38.3	30.0	40.8	49.3	23.8	17.0	25.6	75.0	50.6	43.4	54.3	62.3	32.3	23.8	35.0
June.....	60.0	32.2	31.5	41.0	46.1	20.1	18.3	26.7	72.3	49.5	47.3	56.6	60.1	30.0	27.5	37.0
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	40.5	44.8	21.6	20.6	26.1	67.4	49.0	44.9	46.7	53.4	29.1	24.7	28.1
Month	Crude-petroleum producing								Telephone and telegraph							
	Employment				Pay rolls				Employment				Pay rolls			
	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934
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	88.6	71.9	67.9
March.....	72.2	51.4	56.5	72.8	73.2	43.2	42.5	52.5	88.6	81.7	73.2	70.0	97.9	88.2	71.6	70.4
April.....	69.8	54.9	56.8	74.0	66.3	44.5	40.1	53.4	88.1	81.2	72.3	70.2	95.0	83.4	67.8	68.8
May.....	67.8	54.5	56.9	76.7	64.7	47.1	41.6	56.4	87.4	80.6	70.1	70.2	94.1	82.8	68.5	71.4
June.....	65.0	54.2	58.0	80.0	62.7	44.8	40.6	56.9	86.9	79.9	69.2	70.4	95.0	82.1	66.6	71.3
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	74.9	61.7	44.1	44.1	53.8	86.6	79.1	70.4	70.1	93.7	81.1	68.2	69.8

¹ Average for 6 months.

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

[12-month average, 1929=100]

Month	Electric light and power and manufac- tured gas								Electric-railroad and motor-bus operation and maintenance ¹							
	Employment				Pay rolls				Employment				Pay rolls			
	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934	1931	1932	1933	1934
January.....	99.2	89.3	77.7	82.2	98.6	88.4	73.0	73.8	86.9	79.5	70.6	70.5	85.6	75.4	60.9	59.2
February.....	97.8	87.2	77.4	81.2	99.7	86.0	71.6	74.4	86.6	78.9	70.4	71.0	87.1	74.8	60.6	60.1
March.....	96.7	85.5	76.9	81.7	102.4	85.4	71.9	75.6	86.4	77.6	69.8	71.7	88.1	73.6	59.4	62.2
April.....	97.1	84.8	76.9	82.4	97.6	82.4	69.4	76.8	86.8	78.0	69.5	72.2	86.6	71.8	58.1	62.9
May.....	97.6	84.0	76.9	83.1	98.7	84.2	69.9	77.6	85.9	76.9	69.1	72.6	85.1	72.2	58.2	63.0
June.....	97.2	83.2	77.3	84.0	98.3	80.5	69.9	77.8	85.3	76.5	69.3	73.2	84.8	70.2	58.0	63.2
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	72.3	70.6	---	79.0	61.5	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	82.4	96.7	79.8	72.0	75.8	84.7	75.5	70.0	71.9	83.4	68.0	58.9	61.8
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	78.6	73.8	83.9	85.2	68.9	56.0	66.8	90.1	81.6	78.6	88.2	88.3	72.7	60.4	71.5
May.....	87.1	77.9	74.0	84.6	84.7	69.7	57.4	65.3	89.9	80.9	77.0	88.8	88.0	71.1	59.5	71.8
June.....	87.1	77.0	75.7	84.1	84.1	66.2	57.3	66.5	89.1	79.4	78.3	88.2	87.6	68.2	60.5	71.6
July.....	86.8	76.6	78.9	---	83.3	64.7	59.1	---	83.9	74.6	74.6	---	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	83.6	83.6	67.0	60.4	65.6	89.4	80.9	81.7	86.8	86.6	69.4	64.3	70.2
Laundries ³									Dyeing and cleaning ³							
January.....	94.3	88.2	78.6	78.5	90.7	80.0	60.7	61.7	82.1	75.8	67.4	68.1	73.7	62.4	44.2	46.8
February.....	93.7	86.3	77.5	78.4	89.6	76.7	58.1	61.7	80.7	74.4	65.6	68.1	71.2	59.0	40.2	46.3
March.....	93.2	85.4	76.1	79.2	89.6	75.0	55.4	62.7	81.3	74.4	65.8	72.4	71.7	58.5	38.9	51.7
April.....	94.3	85.4	76.5	80.5	90.9	74.7	56.6	64.4	88.4	76.9	74.9	79.9	81.9	62.5	51.7	60.8
May.....	94.1	84.8	76.6	82.1	90.5	73.9	57.1	66.9	89.3	78.0	75.7	84.3	82.1	63.8	51.0	65.1
June.....	94.8	84.4	79.2	84.6	91.2	71.8	59.4	68.3	91.4	78.6	79.1	84.9	84.5	62.4	53.7	64.1
July.....	95.6	83.6	79.5	---	91.5	69.4	58.7	---	91.1	76.1	76.6	---	81.8	56.9	50.0	---
August.....	94.0	82.2	81.1	---	88.6	66.9	60.3	---	86.4	73.4	76.8	---	75.9	53.4	50.0	---
September.....	93.0	81.9	82.6	---	88.0	65.8	63.5	---	88.0	76.9	81.9	---	78.3	57.9	57.1	---
October.....	91.8	80.7	81.3	---	85.6	64.1	62.6	---	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	79.1	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	80.5	88.3	70.1	59.5	64.3	85.6	75.2	74.3	76.3	76.1	57.3	49.5	55.8
Hotels																
January.....	95.0	83.2	73.8	81.5	91.0	73.9	55.7	60.8	---	---	---	---	---	---	---	---
February.....	96.8	84.3	73.8	84.8	93.7	73.9	55.9	65.2	---	---	---	---	---	---	---	---
March.....	96.8	84.0	72.4	86.4	93.4	72.4	53.5	66.6	---	---	---	---	---	---	---	---
April.....	95.9	82.7	71.9	86.6	89.9	69.6	51.7	66.5	---	---	---	---	---	---	---	---
May.....	92.5	80.1	71.9	85.7	87.7	67.0	51.8	65.9	---	---	---	---	---	---	---	---
June.....	91.6	80.7	73.6	86.2	85.4	63.8	52.3	66.2	---	---	---	---	---	---	---	---
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	74.0	85.2	85.4	64.5	54.4	65.2	---	---	---	---	---	---	---	---

¹ Average for 6 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 June 1934

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

	<i>Percent</i>
Total employment.....	-0.3
Total pay rolls.....	-1.2
Total man-hours worked.....	+1.2
Average weekly earnings.....	-.9
Average hours per week per man.....	+1.4
Average hourly earnings.....	-1.3

The following table is based on returns made by 11,346 firms engaged in public and private building-construction projects not aided by public-works funds. These reports include all trades, from excavation through painting and interior decoration, which are engaged in erecting, altering, or repairing buildings. Work on roads, bridges, docks, etc., is omitted. The reports cover building operations in various localities in 34 States and the District of Columbia.

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

In June the weekly pay roll for 80,546 workers amounted to \$1,856,143 as compared with \$1,878,986 earned by 80,802 workers employed by the identical firms in May.

In June the average weekly earnings were \$23.04 as compared with \$23.25 for May. 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 10,727 firms—94.5 percent of the 11,346 cooperating firms gave the man-hours worked by the employees, namely, 2,156,873 in June as compared with 2,131,466 in May.

The average hours per week per man—29.9 in June and 29.5 in May—were computed by dividing the number of man-hours by the number of workers employed by those firms which reported man-hours.

The average hourly earnings—77.2 cents in June and 78.2 cents in May—were computed by dividing the pay roll of those firms which reported man-hours, by the number of man-hours.

EMPLOYMENT, PAY ROLLS, AVERAGE WEEKLY EARNINGS, AVERAGE HOURS PER WEEK PER MAN, AND AVERAGE HOURLY EARNINGS IN THE **BUILDING-CONSTRUCTION** INDUSTRY IN JUNE 1934, AND PERCENTAGES OF CHANGE FROM MAY 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 June 1934	Percentage of change from May 1934	Amount of pay roll (1 week) June 1934	Percentage of change from May 1934	June 1934	Percentage of change from May 1934	Number June 1934	Percentage of change from May 1934	June 1934	Percentage of change from May 1934
All localities.....	11,346	80,546	-0.3	\$1,856,143	-1.2	\$23.04	-0.9	29.9	+1.4	Ct. 77.2	-1.3
Alabama: Birmingham.....	88	320	-27.6	4,840	-32.0	15.13	-6.1	24.8	-9.2	60.9	+3.2
California:											
Los Angeles ²	23	1,088	+51.5	23,859	+57.6	21.93	+4.0	(³)	(³)	(³)	(³)
San Francisco Oakland ²	26	700	+1.0	16,088	+1.9	22.98	+9	(³)	(³)	(³)	(³)
Other localities ²	23	459	+14.8	10,279	+11.9	22.39	-2.5	(³)	(³)	(³)	(³)
The State ²	72	2,247	+24.1	50,226	+25.2	22.35	+9	(³)	(³)	(³)	(³)
Colorado: Denver.....	227	651	-2.5	13,891	-1.4	21.34	+1.1	26.4	-2.6	81.8	+3.9
Connecticut:											
Bridgeport.....	119	573	+16.9	12,650	+22.3	22.08	+4.6	31.7	+2.9	70.3	+2.0
Hartford.....	269	1,084	+6.4	24,027	+13.8	22.17	+7.0	32.4	+4.2	68.1	+2.4
New Haven.....	180	984	-10.2	23,677	-5.5	24.06	+5.2	33.5	+5.0	71.9	+1
The State.....	568	2,641	+1.4	60,354	+6.8	22.85	+5.3	32.7	+4.1	70.0	+1.2
Delaware: Wilmington.....	106	930	+3.0	19,121	+3.9	20.56	+9	32.9	-2.1	62.5	+3.0
District of Columbia.....	427	3,974	-10.7	102,013	-14.9	25.67	-4.8	31.2	-6	81.5	-4.1
Florida:											
Jacksonville.....	53	210	-9	3,430	+1.1	16.33	+2.1	26.1	-4.0	62.6	+6.6
Miami.....	79	986	+21.9	19,139	+24.7	19.41	+2.3	29.4	+8.5	66.0	-5.7
The State.....	132	1,196	+17.1	22,569	+20.5	18.87	+2.8	28.8	+6.3	65.5	-3.1
Georgia: Atlanta.....	153	913	-11.7	15,305	-4.5	16.76	+8.1	27.6	+3.8	60.5	+4.0
Illinois:											
Chicago ²	131	1,680	-30.4	49,803	-37.8	29.64	-10.6	(³)	(³)	(³)	(³)
Other localities ²	96	1,700	+3.8	38,731	+9.1	22.66	+5.1	(³)	(³)	(³)	(³)
The State ²	227	3,389	-16.5	88,534	-23.4	26.12	-8.2	(³)	(³)	(³)	(³)
Indiana:											
Evansville.....	64	279	-10.6	5,179	-16.7	18.56	-6.8	27.1	-9.1	68.7	+2.4
Fort Wayne.....	93	259	+2.8	5,267	+2.3	20.34	-4	26.7	-3.3	76.1	+3.0
Indianapolis.....	173	1,019	+2.9	20,032	-4	19.66	-3.3	27.5	-2.8	71.6	+1
South Bend.....	41	285	-7	6,470	+8.6	22.70	+9.3	29.3	-2.0	77.6	+11.3
The State.....	371	1,842	(⁴)	36,948	-1.3	20.06	-1.4	27.6	-3.8	72.8	+3.0
Iowa: Des Moines.....	103	574	+7.3	12,562	+1.1	21.89	-5.8	27.6	-8.0	80.6	+3.6
Kansas: Wichita.....	73	309	+4.0	5,309	+18.0	17.18	+13.4	27.6	+10.8	62.5	+2.1
Kentucky: Louisville.....	145	858	-13.3	15,866	-15.3	18.49	-2.3	31.0	+2.3	60.8	-1.8
Louisiana: New Orleans.....	118	734	+12.4	13,066	+23.4	17.80	+9.8	29.3	+9.3	60.8	+8
Maine: Portland.....	97	472	+17.7	10,348	+16.0	21.92	-1.4	32.1	+1.3	68.4	-2.6
Maryland: Baltimore ²	120	1,404	-4.9	29,575	-5.9	21.06	-1.1	35.1	+2.6	63.3	-4.5
Massachusetts: All localities ²	688	4,903	+1.1	124,089	+2.3	25.31	+2.2	32.5	+1.6	77.8	+4
Michigan:											
Detroit.....	467	3,536	+4.6	83,991	+6	23.75	-3.8	31.2	-3.1	76.3	-4
Flint.....	62	358	+32.1	8,291	+52.3	23.16	+15.3	33.9	+20.2	68.1	-2.9
Grand Rapids.....	106	359	+1.7	6,647	(⁵)	18.52	-1.7	29.8	-4.5	62.0	+2.6
The State.....	635	4,253	+6.2	98,929	+3.5	23.26	-2.5	31.3	-1.9	74.4	-5

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 JUNE 1934, AND PERCENTAGES OF CHANGE FROM MAY 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 June 1934	Percentage of change from May 1934	Amount of pay roll (1 week) June 1934	Percentage of change from May 1934	June 1934	Percentage of change from May 1934	Number June 1934	Percentage of change from May 1934	June 1934	Percentage of change from May 1934
Minnesota:											
Duluth.....	53	206	+8.4	4,004	+12.8	19.44	+4.1	25.4	-2.3	75.3	+5.5
Minneapolis.....	226	1,691	+9.9	40,114	+12.7	23.72	+2.6	32.3	+4.5	73.3	-2.3
St. Paul.....	170	669	-15.0	15,814	-18.1	23.64	-3.6	30.4	-1.3	77.7	-2.4
The State.....	449	2,566	+2.0	59,932	+2.5	23.36	+6	31.3	+2.6	74.6	-2.2
Missouri:											
Kansas City ⁶	304	1,433	-11.2	36,663	-6.1	25.58	+5.7	29.6	+3.9	87.8	+2.0
St. Louis.....	600	2,675	-3.6	73,163	-2.3	27.35	+1.4	26.9	+4	101.4	+1.0
The State.....	904	4,108	-6.4	109,826	-3.6	26.73	+3.0	27.8	+1.5	96.5	+1.5
Nebraska: Omaha.....	161	1,117	+10.0	23,583	+2.7	21.11	-6.7	30.8	-2.2	68.3	-4.9
New York:											
New York City ²	438	6,642	-6.5	205,632	-7.2	30.96	-7	28.7	+7	107.9	-1.3
Other localities ²	320	7,336	+8.0	163,960	+8.9	22.34	+9	29.5	+7	75.7	+3
The State ²	758	13,978	+6	369,492	-7	26.43	-1.3	29.1	+7	90.8	-1.9
North Carolina: Charlotte.....	55	371	+15.2	6,482	+26.1	17.47	+9.5	31.1	+1.3	56.4	+9.1
Ohio:											
Akron.....	91	368	-8.7	8,137	-9	22.11	+8.6	36.5	+4.9	60.6	+3.6
Cincinnati ⁷	440	1,736	-4.4	40,572	-9.3	23.37	-5.2	28.0	-6.7	83.7	+1.7
Cleveland.....	648	2,592	-5	72,503	-9	27.97	-4	27.6	-1.8	101.4	+2
Dayton.....	149	588	+5	12,786	+15.6	21.74	+15.0	30.6	+12.9	71.2	+2.2
Youngstown.....	85	394	+8.2	9,498	+4.1	24.11	-3.9	26.9	-6.9	89.4	+3.0
The State.....	1,413	5,678	-1.6	143,496	-1.9	25.27	-3	28.6	-1.7	88.2	+1.1
Oklahoma:											
Oklahoma City.....	97	528	+18.9	9,965	+13.2	18.87	-4.8	25.9	-7.2	73.2	+2.7
Tulsa.....	52	251	-7.4	4,592	-10.5	18.29	-3.4	28.0	+2.6	66.5	-4.7
The State.....	149	779	+9.0	14,557	+4.5	18.69	-4.1	26.5	-4.3	71.1	+6
Oregon: Portland.....	209	1,037	+10.8	20,249	+3.7	19.53	-6.4	25.3	-9.3	77.4	+3.5
Pennsylvania:⁸											
Erie area ²	20	314	-31.9	3,449	-14.6	10.98	+25.3	13.6	+20.4	70.3	+8.2
Philadelphia area ²	398	3,673	-3.3	76,370	+1.3	20.79	+4.8	30.3	+4.5	70.1	+3
Pittsburgh area ²	230	1,638	-5.0	45,068	-6.2	27.51	-1.3	29.7	-2.0	95.1	-9
Reading-Lebanon area ²	44	292	-7	6,147	+6	21.05	+1.3	32.8	-1.5	64.1	+2.1
Scranton area ²	32	186	-35.9	4,445	-35.2	23.90	+1.1	40.6	+30.5	59.8	-21.6
Other areas ²	200	2,447	-1	47,013	-8.6	19.21	-8.7	31.0	+9.9	60.9	-2.6
The State.....	1,014	8,580	-4.8	182,492	-7	21.27	+4.4	30.2	+6.0	71.5	-1.9
Rhode Island: Providence.....	251	1,884	+15.5	41,353	+13.8	21.95	-1.5	33.0	+3.4	66.7	-4.7
Tennessee:											
Chattanooga.....	39	204	-5.6	3,913	+10.6	19.18	+17.1	34.1	+18.8	55.2	-1.4
Knoxville.....	46	358	+3.2	5,584	-1.2	15.60	-4.2	25.1	-11.3	62.2	+8.0
Memphis.....	78	623	+19.8	10,144	+5	16.28	-16.2	26.8	-13.3	60.6	-3.2
Nashville.....	81	718	-11.5	11,235	-17.5	15.65	-6.8	29.3	-4.6	52.1	-4.6
The State.....	244	1,903	+5	30,876	-6.2	16.22	-6.7	28.1	-6.6	57.0	-1.0

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 JUNE 1934, AND PERCENTAGES OF CHANGE FROM MAY 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 June 1934	Percentage of change from May 1934	Amount of pay roll (1 week) June 1934	Percentage of change from May 1934	June 1934	Percentage of change from May 1934	Number June 1934	Percentage of change from May 1934	June 1934	Percentage of change from May 1934
Texas:										<i>Ct.</i>	
Dallas.....	199	827	+16.0	13,022	+6.1	15.75	-8.5	26.3	-5.7	60.9	-2.1
El Paso.....	30	86	-12.2	1,576	+6.7	18.33	+21.6	30.4	+30.5	60.3	-6.8
Houston.....	198	1,054	+4.4	17,977	-5.8	17.06	-9.7	25.3	-11.8	65.5	(²)
San Antonio.....	115	349	-.3	4,634	-4.1	13.28	-3.8	23.8	-5.9	54.9	+4
The State.....	542	2,316	+6.7	37,209	-1.2	16.07	-7.4	25.6	-6.9	61.9	-1.0
Utah: Salt Lake City.....	90	214	-37.4	4,240	-34.1	19.81	+5.3	24.0	+1.7	81.9	+3.1
Virginia:											
Norfolk-Portsmouth.....	80	536	+4.1	9,975	+4.4	18.61	-3.5	29.5	+2.3	63.0	-1.1
Richmond.....	133	897	+12.5	18,190	+14.6	20.28	+1.8	31.1	-1.9	65.9	+3.6
The State.....	213	1,433	+9.2	28,165	+9.1	19.65	-.1	30.4	-2.3	64.7	+1.7
Washington:											
Seattle.....	184	785	+4.5	16,622	+4.2	21.17	-4	23.6	+6.7	90.0	+7.3
Spokane.....	56	190	-22.4	4,398	-15.8	23.15	+8.6	27.0	+4.7	85.6	+2.8
Tacoma.....	94	174	+9.4	3,507	+4.6	20.16	-4.4	22.4	-11.5	89.8	+7.7
The State.....	334	1,149	-.5	24,527	(³)	21.35	+5	24.0	-5.5	89.1	+6.7
West Virginia: Wheeling...	49	180	+19.2	3,692	+25.9	20.51	+5.6	29.0	+8.2	71.5	-1.8
Wisconsin: All localities ² ..	161	1,643	+11.2	32,427	+11.4	19.74	+3	37.1	+22.8	52.7	+15.3

¹ Averages computed from reports furnished by 10,727 firms.

² Data supplied by cooperating State bureaus.

³ Data not available.

⁴ Less than $\frac{1}{10}$ of 1 percent increase.

⁵ Less than $\frac{1}{10}$ of 1 percent decrease.

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.

⁹ No change.

Trend of Employment in June 1934, by States

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

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

The anthracite-mining industry, which is confined entirely to the State of Pennsylvania, showed decreases from May to June of 9.8 percent in employment and 16.8 percent in pay rolls. These percentages are based on reports received from 160 mines which employed in June 79,914 workers whose earnings in 1 week ending nearest the 15th were \$2,155,932.

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 MAY AND JUNE 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934	Number of establishments	Number on pay roll June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama.....	914	75,780	-3.4	\$1,045,351	-7.0	263	51,845	-4.5	\$678,686	-9.2
Arizona.....	517	12,362	+3.4	248,965	+4.6	58	2,656	+6.8	47,740	+7.2
Arkansas.....	<i>1,649</i>	<i>21,153</i>	-3.0	<i>344,663</i>	-2.0	<i>233</i>	<i>13,003</i>	-16.8	<i>149,863</i>	-1.7
California.....	<i>2,185</i>	<i>365,790</i>	+4	<i>6,337,187</i>	-1.3	<i>1,054</i>	<i>149,118</i>	+1.2	<i>3,337,548</i>	-1.2
Colorado.....	1,192	40,653	+2.8	855,905	+1.7	189	15,785	+6.8	322,455	+2.8
Connecticut.....	2,197	176,561	-2.0	3,546,457	-2.4	740	145,382	-2.5	2,779,314	-3.5
Delaware.....	214	13,274	+4.9	270,048	+6.7	71	9,240	+7.5	172,482	+9.9
Dist. of Columbia.....	902	34,746	-(³)	815,667	+7	54	3,718	+1.4	118,084	+2.0
Florida.....	1,089	35,965	-9.7	585,616	-10.2	237	20,039	-2.3	275,268	-8.0
Georgia.....	1,261	97,594	-4.3	1,294,235	-9.1	337	75,535	-6.1	865,671	-13.2
Idaho.....	456	11,229	+3.6	228,553	+15.1	65	5,400	+6.1	111,268	+24.7
Illinois.....	<i>4,233</i>	<i>146,757</i>	+3	<i>9,793,234</i>	+6	<i>2,029</i>	<i>374,951</i>	+9	<i>5,780,147</i>	+1.7
Indiana.....	2,481	171,807	+2.9	3,467,929	+5.3	710	126,911	+3.4	<i>2,573,019</i>	+7.2
Iowa.....	1,810	57,655	-4	1,120,756	-4	461	31,429	+7	601,024	+5
Kansas.....	<i>2,117</i>	<i>59,191</i>	+2.0	<i>1,224,955</i>	+2.6	<i>471</i>	<i>32,531</i>	+3.6	<i>692,117</i>	+2.8
Kentucky.....	1,384	83,932	+8	1,452,340	-1.8	318	32,154	-1.0	566,404	-7
Louisiana.....	1,000	42,577	-1.3	689,051	-3.0	233	24,080	-2.4	329,017	-4.9
Maine.....	8.47	48,588	-2.9	812,818	-6.4	274	39,751	-3.8	623,937	-8.1
Maryland.....	<i>1,487</i>	<i>107,470</i>	-6	<i>2,238,455</i>	-2.1	<i>656</i>	<i>74,041</i>	-2.1	<i>1,480,472</i>	+1.1
Massachusetts.....	<i>3,938</i>	<i>428,074</i>	-3.0	<i>8,900,288</i>	-3.4	<i>1,552</i>	<i>229,717</i>	-5.8	<i>4,312,874</i>	-7.6
Michigan.....	3,268	459,119	-5.8	10,339,739	-12.2	<i>1,122</i>	<i>417,644</i>	-7.8	<i>9,644,558</i>	-9.4
Minnesota.....	1,931	85,727	+7	1,840,648	+2.4	408	39,761	+1.9	813,099	+4.5
Mississippi.....	588	16,151	+1.3	219,698	-9	119	10,558	+2.3	127,518	+1.0
Missouri.....	3,695	153,431	+1	3,202,319	+1.4	869	77,709	+1.0	1,529,919	+4.1
Montana.....	653	10,540	+1.6	257,056	+2.1	95	3,626	+3.0	80,318	+4.6
Nebraska.....	1,586	31,946	+3.4	668,753	+2.3	176	13,486	+8.2	280,748	+6.5
Nevada.....	782	2,942	+2.6	70,957	+3.6	32	886	+1.6	22,430	+2.3
New Hampshire.....	147	43,191	-3.8	739,117	-1	211	36,590	-5.3	589,038	-8
New Jersey.....	2,493	244,789	+8	5,466,030	-2	<i>727</i>	<i>212,261</i>	+7	<i>4,512,083</i>	+4
New Mexico.....	333	6,064	+2.3	106,913	+3	29	573	+2	9,701	-2
New York.....	11,570	659,276	-9	16,593,451	-1.5	<i>3,394</i>	<i>373,020</i>	-1.5	<i>3,667,799</i>	-2.1
North Carolina.....	1,025	138,690	-4.7	1,670,090	-11.8	609	129,822	-4.7	1,523,162	-12.6
North Dakota.....	396	4,431	+2.1	92,293	+4.3	57	1,032	+4.1	23,375	+9.5
Ohio.....	8,083	541,265	-8	11,808,397	-1.2	2,601	393,837	-1.1	8,588,065	-1.9
Oklahoma.....	1,510	36,823	+4	731,150	+2	175	11,708	-2	219,225	+1.0
Oregon.....	1,149	43,805	+4.0	857,095	-2.0	294	27,069	+6.8	464,141	-3.5
Pennsylvania.....	8,294	746,747	-(³)	16,218,736	-8	<i>1,962</i>	<i>415,800</i>	+7	<i>8,200,600</i>	-9
Rhode Island.....	1,172	73,614	-3.9	1,389,648	-5.3	381	56,394	-5.7	976,760	-7.6
South Carolina.....	605	65,674	-3.6	735,716	-15.7	229	59,370	-3.9	631,391	-17.8
South Dakota.....	455	7,839	+3.5	176,100	+1.4	55	2,401	+4.2	47,896	+4.2
Tennessee.....	1,314	84,011	-3.6	1,332,664	-2.6	338	58,978	-4.5	882,068	-3.3
Texas.....	<i>1,731</i>	<i>90,668</i>	+1.1	<i>1,977,189</i>	+2.1	651	<i>49,386</i>	+1	<i>1,020,423</i>	+2.2
Utah.....	541	15,975	+4.5	322,907	+9	111	6,009	+17.4	111,572	+7.8
Vermont.....	537	13,023	-7.0	257,627	-7.9	146	5,960	-15.6	116,311	-17.8
Virginia.....	1,786	96,126	-8	1,602,585	-4.0	490	67,490	-1.9	1,056,873	-5.6
Washington.....	3,184	73,951	-1.2	1,540,222	-4.1	515	40,302	-3.0	760,358	-7.7
West Virginia.....	1,203	147,553	+1.5	3,062,142	+2.8	263	59,082	-6	1,207,440	-2
Wisconsin.....	<i>9,047</i>	<i>161,128</i>	-2	<i>3,165,003</i>	+8	<i>772</i>	<i>128,415</i>	+1	<i>2,501,411</i>	+9
Wyoming.....	327	6,621	-(³)	148,634	-3.8	46	1,674	+3.0	37,176	-12.3

¹ Includes automobile dealers and garages, and sand, gravel, and building stone.² Includes banks, insurance, and office employment.³ Less than 1/10 of 1 percent.⁴ Includes building and contracting.⁵ Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional, and transportation services.⁶ Weighted percent of change.⁷ Includes laundries.⁸ Includes laundering and cleaning, but does not include food, canning, and preserving.⁹ Includes construction but does not include hotels and restaurants, and public works.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS IN MAY AND JUNE 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934	Number of establishments	Number on pay roll June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama.....	101	1,923	-1.7	\$42,871	+4.3	303	4,751	-1.9	\$79,673	-0.1
Arizona.....	55	877	+6.7	16,288	+4.0	253	2,734	-2.7	51,702	-7
Arkansas.....	52	1,037	-7	26,602	+1.0	212	2,600	-2.5	43,837	+1
California.....	99	5,744	+7	156,984	-1.2	112	25,404	-4.5	522,190	-4.5
Colorado.....	120	3,042	+1.7	76,452	+2.0	448	7,096	+2.2	136,327	-1.4
Connecticut.....	186	3,621	-2.0	88,219	-1.2	958	12,349	+1.2	251,346	+1.8
Delaware.....	16	535	-2.4	12,213	+3.2	73	1,243	-4.2	25,855	-2.5
Dist. of Columbia.....	52	1,083	+8	34,385	+5.6	669	11,861	+3	236,521	+4
Florida.....	194	2,962	-47.3	59,791	-31.7	334	4,586	-7.1	85,746	-6.5
Georgia.....	87	950	+1.2	24,235	+1.4	432	6,637	-3	113,634	-1.0
Idaho.....	50	259	+2.4	6,619	-1	219	1,817	+2.0	34,055	+3.8
Illinois.....	362	12,298	-2	329,421	+1	1,112	56,038	-2.4	1,143,150	+1.6
Indiana.....	342	5,261	-7	123,363	+1.1	962	15,301	+3.0	282,355	+1.8
Iowa.....	136	2,951	+2.8	73,695	+2.3	613	6,692	-4	124,330	-1.1
Kansas.....	164	2,722	+2.1	61,894	+4	1,020	8,504	-9	169,410	+1
Kentucky.....	124	1,785	+5	37,099	+1.3	358	6,940	+3	122,374	-1.1
Louisiana.....	184	2,778	+2.4	60,479	-2.9	365	5,934	+ ⁽³⁾	97,510	-9
Maine.....	84	1,368	+1.9	32,417	+1.5	235	2,479	+1.3	46,135	+4
Maryland.....	190	3,028	+2	74,356	+2.2	459	13,236	+4.3	255,588	+2.4
Massachusetts.....	865	18,514	+1.1	490,075	+5	4,594	78,367	+1	1,432,863	+1.0
Michigan.....	248	5,326	+1.6	130,772	-5	1,260	25,633	-2.7	536,555	-2.0
Minnesota.....	235	7,086	-4	185,694	+3	813	13,248	-3.1	244,641	-3.1
Mississippi.....	61	873	+2.1	17,470	+2.4	157	1,500	-2.7	22,976	-3
Missouri.....	608	12,777	+2	323,272	-4	1,579	23,255	-4.4	478,174	-1.4
Montana.....	68	666	+1.2	18,085	+1.6	261	1,770	+3	39,566	+6
Nebraska.....	411	3,006	+1.2	76,338	+1.3	592	5,777	-1.7	110,235	-1.3
Nevada.....	17	158	+4.6	4,737	+7.6	57	456	+4.8	10,943	+4.8
New Hampshire.....	36	397	-3	10,377	-7	270	2,458	+3.3	49,664	+3.1
New Jersey.....	200	3,685	+2	107,314	+1	819	16,035	-5	351,668	-4
New Mexico.....	23	220	+11.7	5,657	+4.3	158	979	+2.0	19,732	+2.1
New York.....	2,447	44,190	+1	1,359,605	+5	5,235	90,908	-8	2,010,829	-1.7
North Carolina.....	51	697	-5.4	17,311	-3.4	161	2,769	-2.6	45,070	-1.0
North Dakota.....	53	322	+3	7,231	+2.3	38	499	-3.3	8,669	-2.8
Ohio.....	970	14,552	+2	375,810	+1.1	3,211	55,570	+ ⁽³⁾	1,059,188	+4
Oklahoma.....	140	2,070	-1.8	48,634	+4	724	6,023	-1.4	111,291	-5
Oregon.....	175	2,442	-1.5	65,087	-1.4	383	5,931	+6	122,153	+9
Pennsylvania.....	1,071	17,285	+6	472,716	+1.0	2,620	51,245	+1.8	1,045,807	+2.7
Rhode Island.....	82	1,621	+2.4	41,693	+3.3	545	7,069	-3.0	132,438	-6
South Carolina.....	65	852	+1	19,361	-1.1	190	2,494	-1.5	34,895	-4
South Dakota.....	32	287	+1.1	6,879	+2.3	166	1,024	-3.0	18,338	-1.5
Tennessee.....	189	2,802	+1.6	58,878	-1.6	395	8,149	-7.6	141,685	-3.6
Texas.....	287	6,000	+6	146,989	+1.9	574	14,955	+7	291,329	-3.3
Utah.....	65	846	+1	22,808	-2	194	1,772	-2	37,564	-7
Vermont.....	17	341	+2.4	7,191	+1.3	140	1,395	+3	25,978	+1.6
Virginia.....	182	3,234	+2.1	67,640	-3	748	7,363	-1	134,792	-7
Washington.....	422	6,170	+7.2	159,844	+2.9	1,847	10,588	-1.4	214,058	-7
West Virginia.....	92	1,572	+2.4	40,660	+2.9	222	2,516	+ ⁽⁶⁾	46,288	+2.0
Wisconsin.....	45	772	+2.1	39,880	+8.1	53	10,890	+ ⁽³⁾	143,000	+1.2
Wyoming.....	19	180	+2.3	5,122	+2.1	136	800	+1.4	18,199	+3.1

* Less than 1/10 of 1 percent.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS IN MAY AND JUNE 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934	Number of establishments	Number on pay roll June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama	16	764	+19.4	\$10,118	+31.1	9	684	-51.7	\$3,632	-67.0
Arizona						23	3,454	+12.5	80,353	+12.1
Arkansas	9	236	+2.2	3,464	+6.0	3	408	+3.0	5,614	-3.2
California	37	1,192	+7.5	24,987	+10.9	53	3,129	+3.3	80,931	+6.1
Colorado	5	28	-31.7	486	+30.3	14	1,100	-.9	28,818	-3.5
Connecticut	23	278	-13.1	5,744	+2.4					
Delaware										
Dist. of Columbia										
Florida	17	858	+6	10,149	-3.6					
Georgia	28	1,464	-5.4	14,747	-6.6					
Idaho						9	2,088	+3	47,903	+12.8
Illinois	19	738	+14.4	14,448	+19.6					
Indiana	61	1,817	+9.5	31,194	+7.4					
Iowa	27	549	-5.0	9,350	+1.3					
Kansas	33	1,264	+3.4	27,105	+12.9	18	1,536	+3.8	26,303	+7.7
Kentucky	40	1,158	-.2	13,927	-.4					
Louisiana	7	722	+4.9	9,284	+6.2					
Maine	11	492	-20.0	10,922	-21.5					
Maryland	14	408	+6.8	6,691	+12.8					
Massachusetts	21	481	-5.1	10,714	-5.8					
Michigan	44	1,842	-1.2	35,072	-.9	38	4,877	+1	82,775	+3.8
Minnesota	20	361	+16.8	5,520	+9.9	32	2,001	+9.6	44,677	+18.3
Mississippi	8	150	-30.6	1,543	-56.9					
Missouri	57	1,425	-1.5	19,309	-3.1	13	1,843	+4.9	20,423	-3.1
Montana	8	67	+8.1	1,047	-3.4	17	455	-.2	23,967	+17.8
Nebraska	11	425	+106.3	5,203	+77.0					
Nevada						15	658	+1.1	15,314	+1.7
New Hampshire	10	356	+67.1	9,194	+71.1					
New Jersey	34	570	-.2	11,508	+8.5	3	17	(10)	339	+7.6
New Mexico						3	887	+4.0	16,825	+2.1
New York	79	2,836	+4.6	61,947	+10.4					
North Carolina	13	339	-11.7	4,637	-14.1					
North Dakota										
Ohio	139	4,095	+3.0	70,718	+4.1					
Oklahoma	14	176	-8.3	1,795	+4.2	32	1,379	+10.2	21,692	+23.0
Oregon	5	114	-1.7	2,083	-9.2	6	90	(10)	1,668	-13.5
Pennsylvania	186	15,057	-8.7	404,318	-15.2					
Rhode Island										
South Carolina	4	120	+2.6	1,378	+1.0					
South Dakota	6	82	+1.2	1,275	+10.8					
Tennessee	22	839	-1.3	9,382	-3.5	4	312	-1.0	6,597	-2.6
Texas	21	1,600	+12.8	28,197	+4.4					
Utah	8	113	-31.1	2,034	-7.4	12	2,158	+8	44,155	-1.8
Vermont	38	2,157	-2.1	41,641	-4.8					
Virginia	30	1,230	+7.8	15,559	+4.0					
Washington	15	577	+22.8	9,609	+9.6	3	22	-81.2	408	-83.7
West Virginia	23	1,113	+14.0	16,686	+9.5					
Wisconsin	14	386	+5	5,924	-17.4	(11)	647	+7.8	13,924	+6.2
Wyoming										

¹⁰ No change.¹¹ Not available.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS IN MAY AND JUNE 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934	Number of establishments	Number on pay roll June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama.....	55	11,099	+5.4	\$153,424	-3.2					
Arizona.....										
Arkansas.....						9	562	+4.5	\$12,620	-3.7
California.....						43	9,767	+4.8	289,988	+2.7
Colorado.....	48	2,885	-13.4	48,482	-4.9					
Connecticut.....										
Delaware.....										
Dist. of Columbia.....										
Florida.....										
Georgia.....										
Idaho.....										
Illinois.....	31	6,478	-10.9	88,514	-19.1	8	206	+1.0	4,244	-1.0
Indiana.....	51	5,163	+6	93,060	-5.8	4	23	+4.5	340	(10)
Iowa.....	21	1,288	-26.3	16,597	-39.0					
Kansas.....	10	631	+10.9	10,545	+15.9	29	1,701	-2.9	39,714	-2.1
Kentucky.....	149	30,192	+4.1	484,493	-3.7	6	267	+1.5	3,624	-2.0
Louisiana.....						8	273	+1.1	7,423	-5.0
Maine.....										
Maryland.....	17	1,480	-7.3	16,320	-1.7					
Massachusetts.....										
Michigan.....	3	367	-50.1	6,161	-31.5					
Minnesota.....										
Mississippi.....										
Missouri.....	19	616	-4.5	10,830	+26.4					
Montana.....	11	529	+3.5	11,924	-16.4	4	42	-10.6	1,102	(10)
Nebraska.....										
Nevada.....										
New Hampshire.....										
New Jersey.....										
New Mexico.....	14	1,755	+2.0	27,617	-5.4	5	110	+23.6	2,632	+32.5
New York.....						3	87	+4.8	2,154	-3
North Carolina.....										
North Dakota.....	8	453	+3.2	8,546	+4.4					
Ohio.....	76	14,101	-4.0	250,557	-1	6	56	-8.2	689	-4.7
Oklahoma.....	18	362	+26.6	6,214	+7.0	58	5,938	+3.0	137,050	-2.1
Oregon.....										
Pennsylvania.....	456	76,212	-1.9	1,417,476	+3.9	18	824	+3.5	19,495	-1.7
Rhode Island.....										
South Carolina.....										
South Dakota.....										
Tennessee.....	17	2,775	+11.8	47,209	+4.3					
Texas.....	5	349	+1.7	6,284	+7.8	5	7,116	+6.8	233,918	+8.9
Utah.....	20	1,396	-11.5	27,953	-13.5					
Vermont.....										
Virginia.....	25	4,748	+3.8	81,139	-4.8					
Washington.....	13	1,001	-5.6	22,590	-9.4					
West Virginia.....	360	73,570	+3.0	1,532,081	+6.0	8	475	+5.8	8,563	-5.4
Wisconsin.....										
Wyoming.....	32	2,828	-5.3	62,230	-5.1	5	207	+53.3	5,691	+40.4

¹⁰ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MAY AND JUNE 1934, BY STATES—Continued

[Figures in *italic* 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934	Number of establishments	Number on pay roll June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama.....	89	1,717	-2.1	\$37,427	-5.6	22	1,265	-3.1	\$10,954	-4.8
Arizona.....	61	1,317	-5.4	30,610	-9	21	562	-1.7	7,678	-3.0
Arkansas.....	28	1,996	+2	40,929	-2.6	30	897	-3.0	7,756	-7.7
California.....	46	45,414	+6	1,254,095	-1.8	173	9,070	+4	141,307	+8
Colorado.....	202	5,922	+5.1	148,363	+5.8	58	1,295	+3.4	16,396	+6.0
Connecticut.....	131	9,735	+7	301,892	+2.3	33	1,345	+1.7	17,258	+1.3
Delaware.....	28	1,133	+2.0	31,635	+3.7	4	267	+2.7	3,590	+6
Dist. of Columbia.....	21	9,356	+1.7	262,003	+1.0	44	4,626	-5.9	70,439	-5.1
Florida.....	163	4,259	+1.0	103,911	-3.3	81	1,222	-24.4	12,424	-24.1
Georgia.....	184	6,925	+2.0	181,205	-1.9	39	1,548	-1.0	12,745	+1.5
Idaho.....	56	791	+5.9	15,486	+7.3	22	412	-3.5	4,834	+2.5
Illinois.....	86	73,186	+4	2,017,482	-1.1	12 232	16,187	+8.4	242,256	+6.6
Indiana.....	135	9,862	+7	244,640	+1.6	66	3,243	-8	33,476	-5.1
Iowa.....	424	9,438	+1.6	215,209	+2.8	59	2,626	-5.2	24,961	-6.1
Kansas.....	13 185	7,338	+5	173,924	+3.1	33	801	+3	8,347	-5
Kentucky.....	278	6,322	+1.3	144,881	-5	37	2,118	-14.6	21,115	-16.6
Louisiana.....	150	5,722	-3	139,865	-1.6	20	2,011	-2.5	23,124	-3
Maine.....	169	2,758	+2.2	72,271	+8	23	746	+20.3	8,957	+16.9
Maryland.....	96	12,447	+1.1	362,113	+5.8	20	706	-3.4	8,799	-1.1
Massachusetts.....	13 123	47,212	+9	1,337,740	+7	66	6,349	+8	74,075	+1
Michigan.....	414	28,977	+8	880,724	-9	100	5,714	+3.9	71,218	+8
Minnesota.....	226	12,517	+1	325,708	+1.0	79	3,429	+9	41,502	+6.1
Mississippi.....	190	1,761	+3.5	35,101	-4.8	21	702	-6	5,660	+5
Missouri.....	207	20,818	+9	547,638	-1.5	97	5,307	-7	63,848	-2.4
Montana.....	105	2,112	+6	58,192	-8	35	566	+1.6	8,211	+3.3
Nebraska.....	301	5,765	+2	142,684	-5	44	1,680	-2.9	17,335	-2.5
Nevada.....	37	416	-2.1	11,624	+2.1	20	289	+15.1	4,062	+18.9
New Hampshire.....	140	2,258	+1.8	60,117	+1.7	12	256	+9.4	2,839	-4.0
New Jersey.....	265	21,568	+8	627,875	+3	94	4,508	+8.3	55,467	+6.4
New Mexico.....	53	606	(10)	12,345	+2.8	23	636	+3	6,582	+5
New York.....	874	123,055	+3	3,910,889	+8	207	27,647	+4	443,681	(3)
North Carolina.....	94	1,770	-3	37,424	-2.5	43	1,760	-13.3	16,453	-9.9
North Dakota.....	170	1,306	+4.1	30,892	+4.1	18	283	+7	3,010	+9
Ohio.....	481	34,967	+4	949,801	+1.3	138	9,049	+7	121,234	+2.7
Oklahoma.....	230	5,772	(3)	131,464	-2.0	53	1,571	-6.7	16,533	-3.4
Oregon.....	181	5,524	-9	149,930	-7	71	1,466	+1.2	18,498	+1.5
Pennsylvania.....	761	56,958	+4	1,579,758	+1.7	154	9,469	+2.8	126,345	+2.5
Rhode Island.....	45	4,838	+1.5	139,141	+1.1	17	457	+20.3	6,140	+18.1
South Carolina.....	72	1,746	+1.2	35,877	+6	15	446	-4.7	3,935	-6.3
South Dakota.....	129	1,144	+9.5	25,828	+8	23	364	-1.4	4,126	-2.9
Tennessee.....	235	4,701	-5	107,278	-2.7	41	2,475	-8	21,685	-1.1
Texas.....	145	8,257	+2.4	214,768	+2.9	48	3,374	-6	41,565	-1.3
Utah.....	70	1,865	+2.6	38,951	+2.7	13	405	-4.0	5,173	-2.8
Vermont.....	126	1,499	+3.6	36,054	+4.6	23	523	+16.2	5,287	+21.6
Virginia.....	179	6,138	+1.6	144,605	-8	41	2,407	+1	25,274	+1.9
Washington.....	196	9,821	+6	271,976	-2	94	2,875	+9	34,146	+2
West Virginia.....	120	6,240	+1.0	162,303	-2.5	40	1,311	(10)	13,829	-8
Wisconsin.....	14 41	10,887	+2	316,807	-1	49	1,609	+2.6	(11)	-----
Wyoming.....	48	471	+1.5	11,195	+1.9	15	145	+5.8	1,888	+2.7

³ Less than $\frac{1}{10}$ of 1 percent.¹⁰ No change.¹¹ Not available.¹² Includes restaurants.¹³ Includes steam railways.¹⁴ Includes railways and express.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MAY AND JUNE 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934	Number of establishments	Number on pay roll June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama.....	19	1,043	+2.6	\$10,436	+3.9	7	120	+6.2	\$1,596	-1.4
Arizona.....	11	379	-4.3	5,314	-6.8	3	30	(¹⁰)	535	-7.4
Arkansas.....	<i>26</i>	<i>696</i>	<i>+1.6</i>	<i>6,854</i>	<i>+8.2</i>	6	63	-10.0	866	-2.3
California.....	¹⁰ 64	<i>5,002</i>	<i>-1</i>	<i>91,016</i>	<i>-1.1</i>					
Colorado.....	36	1,558	+3.5	21,362	+3.6	19	281	-2.4	5,247	-4.3
Connecticut.....	41	1,535	+4.6	25,967	+5.5	15	317	+3.9	6,790	+4.3
Delaware.....	3	246	+5.1	4,377	+7.1					
Dist. of Columbia.....	19	2,638	+1.2	41,595	+2.3	4	109	+4.8	2,281	+5.0
Florida.....	23	1,052	-3.0	10,236	-8.3	16	161	-1.8	2,238	-6.6
Georgia.....	27	2,749	+15.1	33,089	+25.3	11	223	+14.4	2,925	+8.0
Idaho.....	14	290	+1.8	4,309	+2.5					
Illinois.....	¹⁰ 71	<i>3,326</i>	<i>+1.2</i>	<i>55,267</i>	<i>+</i> (³)					
Indiana.....	48	2,167	+1.8	30,090	-2.6	44	656	-8.7	10,938	-4.4
Iowa.....	38	1,511	+9	21,312	-1.8	12	181	-5.7	3,036	-11.6
Kansas.....	¹⁰ 47	<i>1,143</i>	<i>+2.3</i>	<i>16,626</i>	<i>+2.7</i>					
Kentucky.....	40	1,786	+1.1	22,130	+2.4	9	302	-1.9	4,528	-3.7
Louisiana.....	8	545	+4.2	6,019	+7.2	7	123	+6.0	1,831	+12.1
Maine.....	26	588	+1.4	8,503	+2.6	6	166	-6	3,218	+2.8
Maryland.....	<i>24</i>	<i>1,890</i>	<i>+2.6</i>	<i>29,887</i>	<i>+3.2</i>	<i>12</i>	<i>254</i>	<i>-7.9</i>	<i>4,229</i>	<i>-7.7</i>
Massachusetts.....	<i>132</i>	<i>5,467</i>	<i>+1.0</i>	<i>91,425</i>	<i>+1.4</i>	<i>78</i>	<i>2,801</i>	<i>+6.0</i>	<i>43,672</i>	<i>+6.7</i>
Michigan.....	69	3,286	+3.7	47,343	+4	28	1,100	+1.2	23,161	-4.7
Minnesota.....	41	1,799	+1.0	28,477	-4.3	20	564	-1.6	10,142	-3.2
Mississippi.....	8	341	+9	3,811	+3.5	8	95	-1.0	1,355	-4.0
Missouri.....	55	3,359	+4.1	45,520	+1.7	31	782	+2.2	13,756	-7
Montana.....	18	408	+2.3	6,648	+1.6	7	50	+2.0	965	-7.0
Nebraska.....	16	944	-6.2	13,179	-10.3	15	318	-6.5	5,312	-13.6
Nevada.....	3	36	-2.7	664	+1.8	4	68	+3.0	1,179	+4.9
New Hampshire.....	21	363	+7.1	5,208	+3.0					
New Jersey.....	42	4,812	+3.8	92,017	+5.0	13	286	-1.0	7,463	+2.7
New Mexico.....	4	153	-1.3	2,238	+1.5	3	13	-27.8	215	-12.2
New York.....	75	7,287	+9	128,949	+1.7	13	457	+2.9	8,914	-4.4
North Carolina.....	12	733	+3.1	8,183	+5.8	14	227	+9.7	2,924	+7.3
North Dakota.....	10	215	+9	3,325	+5.1					
Ohio.....	75	4,050	+1.0	65,565	+1.0	86	2,655	-3.9	50,250	-6.2
Oklahoma.....	19	924	+3.1	12,929	+9.5	14	211	+3.4	3,134	+4.5
Oregon.....	11	312	+2.6	4,877	+6.6	5	62	-4.6	1,215	+9
Pennsylvania.....	44	3,042	+3.0	47,115	+1.8	45	1,938	+5	37,659	-3.6
Rhode Island.....	20	1,001	+2.0	17,582	+4.1	6	421	(¹⁰)	7,813	+7.0
South Carolina.....	7	390	+1.6	3,867	+9	12	141	-1.4	1,603	+3
South Dakota.....	9	233	+8.9	3,051	+1	3	42	+5.0	742	+1.2
Tennessee.....	17	1,570	+4	15,728	+1.9	13	218	+2.8	2,705	+3
Texas.....	20	1,010	+1.5	13,136	+4.0	17	404	+3.1	6,880	+1.5
Utah.....	11	639	-1.7	9,235	-2.7	12	150	-1.3	2,670	-2.0
Vermont.....	10	205	+2.0	2,671	+4.1	6	90	+4.7	1,326	+6.4
Virginia.....	25	1,331	+2.5	16,489	+6.0	41	610	+6.6	9,734	+5.1
Washington.....	15	706	+4.6	12,352	+3.3	13	230	-1.7	4,451	-3.1
West Virginia.....	18	714	+3.8	10,256	+5.0	11	285	+1.4	4,357	-6
Wisconsin.....	¹⁰ 28	<i>1,071</i>	<i>-6</i>	<i>15,988</i>	<i>-2.1</i>					
Wyoming.....	7	122	+3.4	2,062	-1.1	4	26	-7.1	504	-7.5

³ Less than 1/10 of 1 percent.

¹⁰ No change.

¹² Includes dyeing and cleaning.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MAY AND JUNE 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 June 1934	Percentage change from May 1934	Amount of pay roll (1 week) June 1934	Percentage change from May 1934
Alabama.....	30	569	+1.4	\$16,534	+2.7
Arizona.....	30	319	-5.3	8,218	-1.8
Arkansas.....	17	235	+1.3	5,658	+3.0
California.....	1,198	22,947	+ ⁽³⁾	756,139	+3
Colorado.....	52	1,649	+2	51,086	+5
Connecticut.....	70	2,002	+3	69,927	-4
Delaware.....	15	504	+6	17,692	+1.4
District of Columbia.....	39	1,355	+1	50,359	+1.2
Florida.....	24	826	+5	25,853	-4
Georgia.....	66	1,563	+1.0	45,964	- ⁽³⁾
Idaho.....	19	153	-1.9	3,754	-1.3
Illinois.....	93	11,052	+6	384,470	-1.2
Indiana.....	58	1,403	+4	45,454	-5
Iowa.....	19	990	+1	31,242	+1
Kansas.....	¹⁶ 98	811	+1	24,795	+5
Kentucky.....	25	908	+9	31,765	+5.8
Louisiana.....	18	389	⁽¹⁰⁾	14,499	+1.2
Maine.....	19	240	+8	6,458	-2
Maryland.....	33	1,120	+9	39,821	+4
Massachusetts.....	¹⁶ 227	7,670	+ ⁽³⁾	223,947	-7
Michigan.....	142	5,182	+1.4	161,828	+1.6
Minnesota.....	57	4,961	+1.0	141,188	+2.5
Mississippi.....	16	201	+1.0	4,264	+1.2
Missouri.....	159	5,528	+2.3	149,450	+5
Montana.....	24	249	⁽¹⁰⁾	7,031	+4
Nebraska.....	20	545	+4	17,719	-2.8
Nevada.....	3	39	+2.6	1,101	+3.6
New Hampshire.....	38	475	+1.5	11,501	-17.2
New Jersey.....	131	13,030	+4	379,336	+2.4
New Mexico.....	17	124	⁽¹⁰⁾	3,352	-2.9
New York.....	1,050	66,790	-1.3	2,170,768	-3.6
North Carolina.....	28	569	⁽¹⁰⁾	14,926	+6
North Dakota.....	39	281	-4	6,714	+2.2
Ohio.....	300	8,333	+2	276,520	+5
Oklahoma.....	33	689	+4	21,189	+5
Oregon.....	18	795	+6	27,443	+3
Pennsylvania.....	¹⁶ 735	21,430	-5	672,046	-3
Rhode Island.....	74	1,809	⁽¹⁰⁾	67,505	-1.0
South Carolina.....	11	115	⁽¹⁰⁾	3,409	+8
South Dakota.....	31	237	+1.3	5,996	-5
Tennessee.....	43	1,192	+1	39,449	+4.7
Texas.....	30	1,409	+2	39,479	+1.6
Utah.....	25	622	+5	20,792	-4
Vermont.....	29	219	⁽¹⁰⁾	6,270	+1
Virginia.....	65	1,575	+7	50,480	+1
Washington.....	51	1,659	+9	50,430	-1.5
West Virginia.....	46	675	+1.0	19,679	+5
Wisconsin.....	37	1,145	-3	38,025	-1.5
Wyoming.....	13	117	+4.5	3,422	+3.8

³ Less than 1/10 of 1 percent.

¹⁰ No change.

¹⁶ Does not include brokerage and real estate.

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

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

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

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

Cities	Number of establishments reporting in both months	Number on pay roll		Percentage change from May 1934	Amount of pay roll (1 week)		Percentage change from May 1934
		May 1934	June 1934		May 1934	June 1934	
New York City.....	8, 623	499, 079	490, 824	-1.7	\$13, 231, 131	\$12, 887, 737	-2.6
Chicago, Ill.....	2, 123	280, 827	286, 909	+2.2	6, 867, 801	7, 030, 286	+2.4
Philadelphia, Pa.....	2, 322	185, 757	187, 165	+0.8	4, 251, 444	4, 299, 563	+1.1
Detroit, Mich.....	1, 431	323, 857	300, 349	-7.3	8, 390, 716	7, 020, 531	-16.3
Los Angeles, Calif.....	1, 632	97, 118	95, 482	-1.7	2, 298, 733	2, 239, 598	-2.6
Cleveland, Ohio.....	1, 853	132, 865	129, 630	-2.4	3, 047, 197	2, 970, 479	-2.5
St. Louis, Mo.....	1, 985	110, 698	111, 081	+0.3	2, 328, 743	2, 395, 729	+2.9
Baltimore, Md.....	1, 050	83, 946	83, 546	-0.5	1, 769, 283	1, 772, 568	+0.2
Boston, Mass.....	3, 360	128, 879	127, 577	-1.0	3, 007, 088	2, 960, 104	-1.6
Pittsburgh, Pa.....	1, 210	120, 596	122, 372	+1.5	2, 683, 936	2, 734, 800	+1.9
San Francisco, Calif.....	1, 221	70, 799	70, 410	-0.5	1, 738, 684	1, 708, 243	-1.8
Buffalo, N. Y.....	665	60, 667	60, 260	-0.7	1, 412, 225	1, 347, 556	-4.6
Milwaukee, Wis.....	639	55, 461	55, 775	+0.6	1, 194, 358	1, 224, 300	+2.5

Employment on Class I Steam Railroads in the United States

REPORTS of the Interstate Commerce Commission for class I railroads show that the number of employees, exclusive of executives and officials, increased from 1,032,042 on May 15, 1934, to 1,042,034 (preliminary) on June 15, 1934, or 1 percent. Data are not yet available concerning total compensation of employees for June 1934. The latest pay-roll information available shows an increase from \$118,345,337 in April 1934 to \$124,953,597 in May 1934, or 5.6 percent.

The monthly trend of employment from January 1923 to June 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 following table. These index numbers, constructed by the Interstate Commerce Commission, are based on the 3-year average, 1923–25 as 100.

INDEXES OF EMPLOYMENT ON CLASS I STEAM RAILROADS IN THE UNITED STATES, JANUARY 1923 TO JUNE 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	56.9
May.....	104.8	99.1	97.7	100.0	99.1	94.4	94.6	88.3	73.8	59.6	52.5	58.5
June.....	107.1	97.9	98.5	101.3	100.7	95.8	95.8	86.3	72.7	57.7	53.6	59.0
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	56.5

¹ Preliminary.

² Average for 6 months.

Source: Interstate Commerce Commission.

Employment and Pay Rolls in the Federal Service, June 1934

THERE was an increase of 2,008 employees in the executive departments of the United States Government comparing June with May 1934. Comparing June 1934 with the same month of the previous year, employment increased 95,315 or 16.8 percent.

Data concerning employment in the executive departments is collected by the United States Civil Service Commission from the various departments and offices of the United States Government. The figures are tabulated by the Bureau of Labor Statistics. Employment data for the legislative, judicial, and military services are collected and compiled 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 is shown separately. Approximately 13 percent of the employees in the executive branches of the United States Government work in the city of Washington.

TABLE 1.—EMPLOYEES IN THE EXECUTIVE SERVICE OF THE UNITED STATES, JUNE 1933, AND MAY AND JUNE 1934

Item	District of Columbia			Outside the District			Entire service		
	Permanent	Temporary ¹	Total	Permanent	Temporary ¹	Total	Permanent	Temporary ¹	Total
Number of employees:									
June 1933.....	63,279	2,495	65,774	466,443	33,562	500,005	529,722	36,057	565,779
May 1934.....	77,483	8,456	85,939	492,659	80,488	573,147	570,142	88,944	659,086
June 1934.....	78,302	8,894	87,196	495,686	78,212	573,898	573,988	87,106	661,094
Gain or loss:									
June 1933-June 1934.....	+15,023	+6,399	+21,422	+29,243	+44,650	+73,893	+44,266	+51,049	+95,315
May 1934-June 1934.....	+819	+438	+1,257	+3,027	-2,276	+751	+3,846	-1,838	+2,008
Percent of change:									
June 1933-June 1934.....	+23.7	+256.5	+32.6	+6.3	+133.0	+14.8	+8.4	+141.6	+16.8
May 1934-June 1934.....	+1.1	+5.2	+1.5	+0.6	-2.8	-0.1	+7	-2.1	+3
Labor turnover—June 1934:									
Additions ²	2,466	1,717	4,183	8,888	26,590	35,478	11,354	28,307	39,661
Separations ²	1,578	1,180	2,758	6,018	28,845	34,863	7,596	30,025	37,621
Turnover rate per 100.....	2.02	13.60	3.19	1.22	33.51	6.08	1.33	32.16	5.70

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 loss of 32 due to recount, but not actual separations.

Comparing June 1934 with the previous month, there was an increase of 819 or 1.1 percent in the number of employees in the District of Columbia. The number of temporary employees increased 5.2 percent. Federal employment in the city of Washington increased 1,257 or 1.5 percent comparing June with May 1934. Comparing June 1934 with the corresponding month of the previous year, there was an increase of 23.7 percent in the number of permanent employees. The number of temporary employees was 3.5 times as great in June 1934 as in June 1933. The total of Federal employment in the District of Columbia increased nearly one-third comparing these 2 months.

The turn-over rate for permanent employees in the District of Columbia was 2.02, for temporary employees, 13.60, and for the executive departments as a whole, 3.19.

Employment in the executive departments outside of the Capital City increased 0.1 percent comparing June with May. Comparing June 1934 with the same month of last year there was an increase of 14.8 percent in total employment outside the District of Columbia.

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

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

Month	District of Columbia	Outside District of Columbia	Total	Month	District of Columbia	Outside District of Columbia	Total
January.....	78, 045	530, 094	608, 139	April.....	83, 850	560, 258	644, 108
February.....	79, 913	531, 839	611, 752	May.....	85, 939	573, 147	659, 086
March.....	81, 569	541, 990	623, 559	June.....	87, 196	573, 898	661, 094

There were over 9,000 more employees in the city of Washington in June than in January 1934. The number of employees outside of the District increased 43,804 over this period.

Table 3 shows the number of employees and amounts of pay roll in the various branches of the United States Government during May and June 1934.

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

Branch of service	Number of employees		Amount of pay roll	
	May	June	May	June
Executive service.....	659, 086	661, 094	\$39, 577, 479	\$91, 540, 229
Military service.....	266, 864	267, 038	19, 216, 150	19, 539, 020
Judicial service.....	1, 913	1, 881	442, 896	439, 170
Legislative service.....	3, 862	3, 878	940, 666	944, 758
Total.....	931, 725	933, 891	110, 177, 191	112, 463, 177

Increases in employment were registered in the executive, military, and legislative services comparing June with May. A slight decrease was shown in judicial service.

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

TABLE 4.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS FOR ALL BRANCHES OF THE UNITED STATES GOVERNMENT BY MONTHS, DECEMBER 1933 THROUGH JUNE 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
1933								
December.....	608,670	\$82,011,601	263,622	\$17,656,909	1,872	\$432,435	3,864	\$886,781
1934								
January.....	608,139	\$77,450,498	262,942	18,499,516	1,780	417,000	3,845	\$71,753
February.....	611,752	\$83,524,296	263,464	19,532,832	1,742	\$430,843	3,852	\$926,363
March.....	623,559	\$84,837,493	266,285	19,050,158	1,854	\$443,505	3,867	\$928,368
April.....	644,108	\$85,090,283	266,923	18,816,636	1,904	\$432,401	3,865	\$926,484
May.....	659,086	\$89,577,479	266,864	19,216,150	1,913	\$442,896	3,862	\$940,666
June.....	661,094	\$91,540,229	267,038	19,539,020	1,881	\$439,170	3,878	\$944,758

¹ Revised.

Employment Created by the Public Works Fund, June 1934

DURING the month ending June 15 there were nearly 583,000 workers engaged on construction projects financed either wholly or partially from the Public Works fund. This is an increase of nearly 100,000 as compared with May. The workers earned nearly \$32,000,000 during the month ending June 15.

Employment on Construction Projects, by Type of Project

TABLE 1 shows, by type of project, employment, pay rolls, and man-hours worked during the month of June ¹ 1934 on Federal projects financed from the Public Works fund.

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

[Subject to revision]

Type of project	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Building construction.....	37,850	\$2,295,118	3,149,729	\$0.729	\$3,611,508
Public roads.....	322,368	15,375,274	30,519,058	.504	27,000,000
River, harbor, and flood control.....	41,127	2,599,712	4,219,262	.616	5,528,278
Streets and roads *.....	11,731	471,528	978,533	.482	549,523
Naval vessels.....	13,426	1,459,884	1,791,433	.815	1,633,063
Reclamation.....	13,916	1,502,881	3,337,971	.450	4,704,637
Forestry.....	21,814	1,337,331	2,346,141	.570	407,423
Water and sewerage.....	1,689	95,850	138,166	.694	130,119
Miscellaneous.....	13,657	1,105,814	1,894,674	.584	2,883,467
Total.....	477,578	26,243,392	48,374,967	.542	46,448,018

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

¹ Whenever the month of June is spoken of in this study, it is assumed to mean the month ending June 15.

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

During the month ending June 15, over 477,000 workers were engaged on Federal construction projects financed from the Public Works fund. Over 67 percent of these workers were engaged in road building. Over 40,000 were working on river, harbor, and flood-control work and over 30,000 on building construction.

Monthly pay rolls for workers on all types of projects amounted to over \$26,000,000. Road work accounted for over \$15,000,000 of this total. The workers on Federal projects earned over 54 cents per hour. The highest earnings, 81.5 cents per hour, were earned by workers on naval vessels. Workers on reclamation projects averaged only 45 cents per hour.

Material orders valued at over \$46,000,000 were placed during the month ending June 15 by contractors and Government agencies doing force account work.

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

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

[Subject to revision]

Type of project	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Building construction.....	18,784	\$1,150,808	1,431,128	\$0.804	\$2,632,087
Streets and roads.....	15,276	757,526	1,228,192	.617	818,977
Water and sewerage.....	17,024	924,265	1,367,215	.676	1,710,014
Railroad construction.....	33,258	1,303,166	2,911,052	.448	1,575,389
Miscellaneous.....	699	43,108	65,834	.655	111,847
Total.....	85,041	4,173,873	7,003,421	.597	6,848,314

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

Funds allotted to commercial firms are wholly loans. Practically all of the commercial allotments to date have been to railroads. Railroad work falls under the following headings: First, construction

such as electrification, laying of rails and ties, repairs to railroad buildings, etc.; second, the building or repairing of locomotives and passenger and freight cars in railroad shops.

Data concerning railroad construction employment is shown in table 2. Employment in railroad shops is shown in table 5, page 37.

During the month ending June 15 there were over 85,000 employees working on non-Federal projects. These workers were paid over \$4,000,000 for their month's work. They worked over 7,000,000 hours and their hourly earnings averaged nearly 60 cents. The hourly earnings ranged from less than 45 cents in the case of railroad construction workers to over 80 cents for building workers. Orders were placed for materials valued at over \$6,800,000.

Employment on Construction Projects, by Geographic Divisions

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

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

[Subject to revision]

Geographic division	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Number employed	Weekly average				
New England.....	23,339	22,564	\$1,565,566	2,637,479	\$0.594	\$780,338
Middle Atlantic.....	53,820	52,141	3,113,714	5,714,525	.545	1,337,355
East North Central.....	68,527	67,295	3,796,533	6,198,237	.613	2,995,765
West North Central.....	74,560	72,699	3,415,553	6,577,117	.519	1,961,634
South Atlantic.....	62,945	60,175	3,115,051	5,947,240	.524	2,518,354
East South Central.....	40,518	39,498	2,053,197	4,551,212	.451	997,986
West South Central.....	59,311	56,975	2,293,264	5,074,391	.452	1,305,777
Mountain.....	54,683	53,792	4,215,775	7,606,178	.554	5,715,094
Pacific.....	32,695	31,679	2,387,635	3,388,202	.705	1,431,868
Total continental United States.....	470,398	456,818	25,956,288	47,694,581	.544	146,044,171
Outside continental United States.....	7,180	6,557	287,104	680,386	.422	403,847
Grand total.....	477,578	463,375	26,243,392	48,374,967	.542	146,448,018

¹ Includes \$27,000,000 estimated value of material orders placed for public-road projects which cannot be charged to any specific geographic division.

Nearly 75,000 people were working on Federal construction projects in the West North Central States during June, and over 60,000 in both the East North Central States and the South Atlantic States. In the Pacific States the average earnings were over 70 cents per hour. In the East South Central States and the West South Central States the hourly earnings averaged only slightly in excess of 45 cents. These were the only two geographic divisions in which the average earnings per hour totaled less than 50 cents.

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

TABLE 4.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON NONFEDERAL PROJECTS FINANCED FROM PUBLIC WORKS FUNDS DURING JUNE 1934, BY GEOGRAPHIC DIVISION

[Subject to revision]

Geographic division	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Number employed	Weekly average				
New England.....	8,835	7,006	\$457,997	792,308	\$.578	\$450,644
Middle Atlantic.....	11,476	9,839	598,521	949,203	.631	1,692,559
East North Central.....	16,750	14,276	988,616	1,432,648	.690	1,035,874
West North Central.....	14,314	12,121	585,993	992,356	.591	970,019
South Atlantic.....	13,450	11,716	767,427	1,324,361	.579	1,749,459
East South Central.....	3,157	2,689	145,233	277,278	.524	161,453
West South Central.....	2,766	2,395	118,713	226,920	.523	310,185
Mountain.....	6,514	5,425	216,266	467,102	.463	156,691
Pacific.....	7,223	6,480	268,636	483,632	.555	258,820
Total continental United States.....	84,485	71,947	4,147,402	6,945,808	.597	6,785,704
Outside continental United States.....	556	474	31,471	57,613	.546	62,610
Grand total.....	85,041	72,421	4,178,873	7,003,421	.597	6,848,314

More than 10,000 employees were working on non-Federal projects in each of the following geographic divisions: Middle Atlantic, East North Central, West North Central, and South Atlantic. Average hourly earnings ranged from 46 cents in the Mountain States to 69 cents in the East North Central States.

Table 5 shows employment, pay rolls, and man-hours worked in railroad shops on jobs financed from the Public Works fund during June 1934, by geographic divisions.

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

[Subject to revision]

Geographic division	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
New England.....	985	\$103,752	162,431	\$.639	\$67,533
Middle Atlantic.....	5,883	466,381	727,980	.641	515,134
East North Central.....	2,899	237,190	366,690	.647	1,201,917
West North Central.....	966	47,873	74,243	.645	230,396
South Atlantic.....	93	6,769	13,427	.504	29,030
East South Central.....	2,363	242,933	401,370	.605	1,009,430
West South Central.....	2,423	153,351	262,083	.585	277,339
Mountain.....	829	40,012	65,358	.612	132,586
Pacific.....	3,612	226,697	373,244	.607	384,398
Total.....	20,053	1,524,958	2,446,826	.623	3,847,763

Of the 20,000 railroad shop workers, nearly 6,000 were employed in the Middle Atlantic States, over 3,600 in the Pacific States, and over 2,000 in each of the following geographic divisions: East North

Central, East South Central, and West South Central. There was a variance of over 14 cents in the average earnings per hour, comparing the geographic divisions. In the South Atlantic States wage earners in railroad shops earned slightly more than 50 cents per hour and in the East North Central States 64.7 cents per hour.

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

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

[Subject to revision]

Type of material	Value of material orders placed ¹
Aircraft (new).....	\$269,039
Airplane parts.....	1,552,834
Ammunition and related products.....	18,702
Boat building, steel and wooden (small).....	175,062
Bolts, nuts, washers, etc.....	260,925
Cast-iron pipe and fittings.....	866,277
Cement.....	4,601,543
Chemicals.....	10,456
Clay products.....	567,847
Coal.....	85,240
Compressed and liquefied gases.....	16,677
Concrete products.....	637,880
Copper products.....	39,241
Cordage and twine.....	11,773
Cork products.....	12,858
Cotton goods.....	19,421
Creosote.....	261,709
Crushed stone.....	94,896
Doors, shutters, and window sash and frames, molding and trim (metal).....	145,890
Electrical machinery, apparatus, and supplies.....	2,047,887
Engines, turbines, tractors, water wheels, and windmills.....	170,551
Explosives.....	68,926
Felt goods.....	33,814
Forgings, iron and steel.....	113,798
Foundry and machine shop products, not elsewhere classified.....	2,793,680
Fuel oil.....	304,855
Furniture, including store and office fixtures.....	246,473
Gasoline.....	303,664
Glass.....	28,658
Hardware, miscellaneous.....	226,777
Instruments, professional and scientific.....	25,408
Lighting equipment.....	146,082
Lime.....	14,716
Lubricating oils and greases.....	90,326
Lumber and timber products.....	2,765,444
Machine tools.....	189,672
Marble, granite, slate, and other stone products.....	650,572
Motor vehicles, trucks.....	49,035
Nails and spikes.....	15,420
Nonferrous-metal alloys, nonferrous-metal products, except aluminum, not elsewhere classified.....	45,690
Paints and varnishes.....	178,409
Paving materials and mixtures.....	241,727
Planing-mill products.....	206,675
Plumbing supplies.....	644,781
Pumps and pumping equipment.....	143,728
Radio apparatus and supplies.....	98,665
Rail fastenings.....	18,582
Railway cars, freight.....	232,040
Railway cars, passenger.....	213,800
Refrigerators and refrigerator cabinets, including mechanical refrigerators.....	136,204
Roofing, built-up and roll; asphalt shingles; roof coatings, other than paint.....	121,928
Rubber goods.....	23,811

¹ Subject to revision.

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

[Subject to revision]

Type of material	Value of material orders placed
Sand and gravel.....	\$792, 526
Sheet-metal work.....	121, 249
Springs, steel.....	35, 874
Steam and hot-water heating apparatus.....	258, 257
Steam and other packing, pipe and boiler covering, and gaskets.....	70, 127
Steel-works and rolling-mill products, other than steel rails, including structural and ornamental metal work.....	3, 991, 133
Stoves and ranges (other than electric) and warm air furnaces.....	37, 850
Tools, other than machine tools.....	87, 418
Upholstering materials, not elsewhere classified.....	16, 469
Wall plaster, wall board, insulating board, and floor composition.....	143, 355
Wire, drawn from purchased rods.....	129, 897
Wirework, not elsewhere classified.....	79, 791
Wrought pipe, welded and heavy riveted.....	93, 467
Other.....	2, 492, 454
Public road projects ¹	27, 000, 000
Total.....	57, 589, 895

¹ Not available by type of material.

Orders were placed for materials during the month of May valued at over \$57,500,000. It is estimated that the fabrication of this material will create approximately 180,000 man-months of labor.

Table 7 shows data concerning employment, pay rolls, and man-hours worked during each of the 9 months elapsing since work started on construction projects financed by Public Works funds.

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

[Subject to revision]

Month	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed 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, 606, 055
December.....	270, 808	15, 724, 700	29, 866, 297	. 527	24, 839, 098
1934					
January.....	273, 583	14, 574, 960	27, 658, 591	. 527	23, 522, 929
February.....	295, 722	15, 245, 381	28, 938, 177	. 527	24, 562, 311
March.....	292, 696	15, 636, 545	29, 171, 634	. 536	69, 334, 754
April.....	369, 234	17, 732, 234	31, 247, 248	. 567	66, 639, 862
May.....	486, 166	24, 637, 889	44, 130, 618	. 558	49, 720, 378
June.....	582, 672	31, 947, 223	57, 825, 214	. 553	57, 589, 895
Total.....		156, 963, 976	291, 083, 811		362, 820, 202

¹ Includes new equipment purchased by railroads.

The total earnings for the 9 months amounted to over \$156,000,000. The men employed have worked nearly 300,000,000 hours.

Orders have been placed during this 9-month period for materials valued at over \$362,000,000. It is estimated that the manufacture of this material will create over 900,000 man-months of labor.

Emergency Work Program

At the present time there are nearly 1,000,000 employees on the pay roll of the emergency work program of the Federal Emergency Relief Administration.

Table 8 shows the number of employees and the amounts of pay rolls for the workers on the emergency work program for the weeks ending May 31 and June 28.

TABLE 8.—NUMBER OF EMPLOYEES AND AMOUNTS OF PAY ROLLS FOR WORKERS ON EMERGENCY WORK PROGRAM, MAY 31 AND JUNE 28, 1934

Geographic division	Number of employees, week ending		Amount of pay roll, week ending	
	May 31	June 28	May 31	June 28
New England.....	92,021	92,287	\$1,186,844	\$1,129,025
Middle Atlantic.....	281,083	243,504	3,865,641	3,954,740
East North Central.....	143,518	162,933	1,347,586	1,589,340
West North Central.....	108,704	127,171	857,897	976,466
South Atlantic.....	97,151	126,928	677,456	867,841
East South Central.....	35,236	62,200	215,015	351,061
West South Central.....	57,760	69,375	453,210	522,629
Mountain.....	34,791	53,368	393,364	586,031
Pacific.....	14,095	33,358	182,449	423,429
Total.....	866,359	971,184	9,179,462	10,400,562
Percent of change.....		+12.1		+13.3

There was an increase of 12.1 percent in the number of employees comparing the last week in June with the last week in May. Pay rolls for the same period increased 13.3 percent.

Emergency Conservation Work

DUE to June being the end of the enlistment period, there was a decrease of 45,000 workers in the civilian conservation camps. The 280,000 workers engaged in emergency conservation work during the month ending June 30 drew over \$12,600,000 for their month's pay. In addition to pay, these workers are given board, clothing, and medical attention.

Table 9 shows the employment and pay rolls for emergency conservation work during the months of May and June 1934, by type of work.

TABLE 9.—EMPLOYMENT AND PAY ROLLS IN THE EMERGENCY CONSERVATION WORK, MAY AND JUNE 1934

Group	Number of employees		Amount of pay rolls	
	May	June	May	June
Enrolled personnel.....	¹ 299,508	246,498	¹ \$9,353,631	\$7,698,133
Reserve officers.....	5,591	5,640	1,302,417	1,411,132
Educational advisors.....	1,081	1,104	164,343	167,760
Supervisory and technical ²	¹ 29,691	⁴ 27,029	3,227,121	3,364,376
Total.....	335,871	280,271	14,047,512	12,641,401

¹ Revised.² Includes carpenters, electricians, and laborers.³ 23,900 included in the executive service table.⁴ 24,432 included in the executive service table.

Data concerning employment and pay rolls for emergency conservation work is collected by the Bureau of Labor Statistics from the War Department, the Department of Agriculture, the Treasury Department, and the Interior Department.

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

Table 10 shows monthly totals of employees and pay rolls in emergency conservation work from the inception of the work in May 1933 to June 1934, inclusive.

TABLE 10.—MONTHLY TOTALS OF EMPLOYEES AND PAY ROLLS IN THE EMERGENCY CONSERVATION WORK FROM MAY 1933 TO JUNE 1934

Month	Number of employees	Amount of pay roll	Month	Number of employees	Amount of pay roll
1933			1934		
May.....	191,380	\$6,388,760	January.....	¹ 331,594	¹ \$13,581,506
June.....	283,481	9,876,780	February.....	¹ 321,829	¹ 13,081,393
July.....	316,109	11,482,262	March.....	¹ 247,591	¹ 10,792,319
August.....	307,100	11,604,401	April.....	¹ 314,664	¹ 13,214,018
September.....	242,968	9,759,628	May.....	¹ 335,871	¹ 14,047,512
October.....	294,861	12,311,033	June.....	280,271	12,641,401
November.....	344,273	14,554,695			
December.....	321,701	12,951,042			

¹ Revised.

Employment on Public Roads Other Than Public Works

THERE was a gain of over 18 percent in the number of road employees paid from Federal carry-over appropriations and a gain of over 7 percent in the number of State road workers, comparing June with May. Most of the road building, is now being financed from the public-works fund. Data concerning road workers who are paid from this fund are shown in table 1, page 34.

Table 1 shows the number of employees, exclusive of those paid from the public-works fund, engaged in the building and maintaining of Federal and State public roads during the months of May and June 1934.

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

Geographic division	Federal				State			
	Number of employees		Amount of pay rolls		Number of employees		Amount of pay rolls	
	May	June	May	June	May	June	May	June
New England.....	0	13	0	\$738	11, 970	14, 969	\$849, 494	\$1, 025, 807
Middle Atlantic.....	421	1, 068	\$21, 046	66, 566	63, 397	62, 648	3, 341, 437	3, 079, 118
East North Central.....	727	455	44, 251	39, 683	25, 409	35, 717	1, 378, 771	1, 783, 164
West North Central.....	247	184	11, 012	7, 142	15, 685	16, 692	1, 836, 310	1, 892, 335
South Atlantic.....	342	155	9, 247	5, 950	39, 705	37, 305	1, 373, 297	1, 487, 812
East South Central.....	67	59	2, 834	2, 187	9, 828	11, 087	462, 734	686, 554
West South Central.....	964	808	28, 701	30, 319	12, 219	13, 963	780, 587	939, 616
Mountain.....	597	1, 066	32, 927	64, 161	5, 503	5, 811	449, 954	506, 360
Pacific.....	576	840	35, 321	60, 430	10, 819	10, 329	793, 555	820, 533
Total.....	3, 941	4, 678	185, 339	277, 176	194, 435	208, 521	10, 275, 139	11, 221, 299
Percent of change.....		+18. 7		+49. 6		+7. 2		+9. 2

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

Over 200,000 road workers were employed by the various State governments during the month of June. Of these workers 82 percent were employed in maintaining existing roads and 18 percent in building new roads.

Over 30 percent of the State workers were employed in the Middle Atlantic States, while less than 3 percent were working in the Mountain States.

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

TABLE 2.—NUMBER OF EMPLOYEES ENGAGED IN CONSTRUCTION AND MAINTENANCE OF PUBLIC ROADS, STATE AND FEDERAL, JANUARY TO JUNE 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
May.....	3, 941	27, 161	167, 274	194, 435
June.....	4, 678	37, 642	170, 879	208, 521

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

Employment on Construction Projects Financed by the Reconstruction Finance Corporation

DURING the month ending June 15 there were approximately 20,000 people working on construction projects financed by the Self-Liquidating Division of the Reconstruction Finance Corporation.

Over \$207,000,000 was loaned by the Reconstruction Finance Corporation for construction projects. These loans were all of the self-liquidating type.

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

TABLE 1.—EMPLOYMENT, PAY ROLLS, AND MAN-HOURS WORKED ON PROJECTS FINANCED BY THE SELF-LIQUIDATING DIVISION OF THE RECONSTRUCTION FINANCE CORPORATION DURING JUNE 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 purchased ¹
Building construction.....	2,787	\$277,444	248,998	\$1.110	\$314,949
Bridges.....	6,507	461,497	588,794	.784	733,240
Reclamation.....	2,310	136,598	276,823	.493	56,619
Water and sewerage.....	5,340	629,088	932,860	.674	601,733
Miscellaneous.....	2,274	238,691	364,867	.654	482,997
Total.....	19,218	1,743,318	2,412,342	.723	2,189,538

¹ Subject to revision.

The 19,218 employees working at the site of Reconstruction Finance Corporation construction projects drew over \$1,700,000 for their month's pay. The men worked over 2,400,000 hours. The average earnings per hour for all types of projects amounted to 72 cents, ranging from slightly more than 49 cents for reclamation projects to \$1.11 for building construction. Contractors placed purchase orders for material to cost over \$2,000,000 during the month ending June 15.

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

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

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 materials purchased
New England.....	0	0	0	0	0
Middle Atlantic.....	4,065	\$413,240	422,828	\$0.977	\$572,549
East North Central.....	291	21,956	21,791	1.010	46,328
West North Central.....	155	9,199	19,199	.479	12,828
South Atlantic.....	1,068	44,378	103,992	.427	40,935
East South Central.....	144	6,176	21,759	.284	6,242
West South Central.....	1,439	112,548	164,887	.683	76,031
Mountain.....	2,460	148,511	289,251	.513	71,381
Pacific.....	9,626	987,610	1,368,635	.722	1,363,144
Total.....	19,218	1,743,318	2,412,342	.723	2,189,538

¹ Subject to revision.

Over 50 percent of the workers engaged in Reconstruction Finance Corporation construction projects were working in the Pacific States. The two large bridges in the San Francisco harbor accounted for a

large part of this employment. Average earnings per hour varied greatly in the different geographic divisions. In the East South Central States the men earned only slightly more than 28 cents per hour. In the East North Central States the average earnings exceeded \$1.01 cents per hour.

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

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

Month	Number of wage earners	Amount of pay roll	Number of man-hours worked	Average earnings per hour	Value of materials purchased
April.....	¹ 18,638	¹ \$1,518,479	¹ 2,302,739	¹ \$0.659	¹ \$2,297,479
May.....	¹ 19,274	¹ 1,636,503	¹ 2,334,060	¹ .701	¹ 2,120,498
June.....	² 19,218	² 1,743,318	² 2,412,342	² 0.723	² 2,189,538

¹ Revised.

² Subject to revision.

Table 4 shows, by types, the material purchased by contractors working on construction projects financed by the Reconstruction Finance Corporation. It is estimated that 5,600 man-months of labor were created in fabricating this material.

TABLE 4.—MATERIALS PURCHASED DURING MONTH ENDING JUNE 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 ¹
Cast-iron pipe and fittings.....	\$60,683
Cement.....	174,727
Clay products.....	81,753
Coal.....	3,319
Compressed and liquefied gas.....	3,377
Concrete products.....	159,957
Copper products.....	74,676
Crushed stone.....	16,823
Electrical machinery and supplies.....	136,059
Explosives.....	133,431
Felt goods.....	1,082
Foundry and machine-shop products, not elsewhere classified.....	197,560
Fuel oil.....	13,947
Gasoline.....	32,563
Glass.....	2,151
Hardware, miscellaneous.....	64,071
Lime.....	1,973
Lubricating oils and greases.....	7,440
Lumber and timber products.....	124,924
Marble, granite, slate, and other stone products.....	2,818
Nails and spikes.....	1,527
Paints and varnishes.....	2,906
Plumbing supplies.....	18,150
Pumps and pumping equipment.....	1,576
Rubber goods.....	4,831
Sand and gravel.....	56,427
Sheet-metal work.....	8,745
Steel-works and rolling-mill products, including structural and ornamental metal work.....	694,609
Tools, other than machine tools.....	12,546
Wall plaster, wall board, insulating board, and floor composition.....	2,475
Wire, drawn from purchased rods.....	26,686
Wirework, not elsewhere classified.....	3,467
Other.....	62,259
Total.....	2,189,538

¹ Subject to revision.

Wage-Rate Changes in American Industries

Manufacturing Industries

THE following table presents information concerning wage-rate adjustments occurring between May 15 and June 15, 1934, as shown by reports received from 23,347 manufacturing establishments employing 3,750,605 workers in June.

Three hundred and fifty-nine establishments in 58 industries reported wage-rate increases averaging 9.8 percent and affecting 53,366 employees. Six establishments reported decreases which averaged 12.8 percent and affected 193 workers.

Forty-nine establishments in the canning and preserving industry reported increases which averaged 14.8 percent and affected 6,616 wage earners. Twenty-eight establishments in the automobile industry gave an average increase of 8.5 percent to 5,640 workers. In the paper and pulp industry, 16 establishments reported an average increase of 8 percent to 4,450 employees. An average increase of 10.1 percent was received by 3,326 workers in 4 ship-building establishments, while one of 12.3 percent was given to 2,846 employees in 2 establishments in the shirt and collar industry. Twenty-four foundries and machine shops reported wage-rate boosts averaging 10.4 percent and affecting 2,664 workers, while 2 cane-sugar refineries gave an average increase of 6.3 percent to 2,474 wage earners. Two thousand four hundred and thirty-three employees in the rayon industry, 2,200 in the cement industry, and 2,032 in the electrical machinery industry received average wage-rate boosts of 2 percent, 10.1 percent, and 5.8 percent, respectively. Five industries (locomotives; newspapers and periodicals; brass, bronze, and copper products; rubber tires and inner tubes; and leather) showed average wage-rate increases ranging from 10 percent to 5.8 percent and affecting a total of 6,908 wage earners. The increases reported in the remaining industries affected less than 1,000 each.

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

Industry	Estab-lish-ments reporting	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases	No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases
All manufacturing industries.....	23, 347	3, 750, 605	22, 982	359	6	3, 697, 046	53, 366	193
Percent of total.....	100. 0	100. 0	98. 4	1. 5	(1)	98. 6	1. 4	(1)
Iron and steel and their products, not including machinery:								
Blast furnaces, steel works, and rolling mills.....	220	291, 784	217	3	-----	291, 653	131	-----
Bolts, nuts, washers, and rivets.....	55	9, 440	54	1	-----	9, 301	139	-----
Cast-iron pipe.....	46	8, 112	45	1	-----	7, 612	500	-----
Cutlery (not including silver and plated cutlery) and edge tools.....	157	11, 905	154	3	-----	11, 761	144	-----
Forgings, iron and steel.....	91	9, 901	91	-----	-----	9, 901	-----	-----
Hardware.....	114	33, 896	112	2	-----	33, 831	65	-----
Plumbers' supplies.....	85	9, 820	84	1	-----	9, 778	42	-----
Steam and hot-water heating apparatus and steam fittings.....	88	20, 410	86	2	-----	20, 224	186	-----
Stoves.....	227	27, 756	222	5	-----	27, 328	428	-----
Structural and ornamental metalwork.....	272	21, 614	269	3	-----	20, 990	624	-----
Tin cans and other tinware.....	68	12, 467	67	1	-----	11, 725	742	-----
Tools (not including edge tools, machine tools, files, and saws).....	140	10, 147	137	3	-----	10, 104	43	-----
Wirework.....	105	9, 508	105	-----	-----	9, 508	-----	-----
Machinery, not including transportation equipment:								
Agricultural implements.....	78	12, 202	78	-----	-----	12, 202	-----	-----
Cash registers, adding machines, and calculating machines.....	30	15, 120	30	-----	-----	15, 120	-----	-----
Electrical machinery, apparatus, and supplies.....	401	122, 728	395	6	-----	120, 696	2, 032	-----
Engines, turbines, tractors, and water wheels.....	114	30, 279	111	3	-----	30, 225	54	-----
Foundry and machine-shop products.....	1, 565	163, 316	1, 541	24	-----	160, 652	2, 664	-----
Machine tools.....	207	22, 262	200	7	-----	22, 209	53	-----
Radios and phonographs.....	52	35, 648	52	-----	-----	35, 648	-----	-----
Textile machinery and parts.....	94	15, 402	94	-----	-----	15, 402	-----	-----
Typewriters and parts.....	13	9, 562	12	1	-----	9, 259	303	-----
Transportation equipment:								
Aircraft.....	32	11, 100	32	-----	-----	11, 100	-----	-----
Automobiles.....	333	355, 187	305	28	-----	349, 547	5, 640	-----
Cars, electric- and steam-railroad.....	57	18, 908	57	-----	-----	18, 908	-----	-----
Locomotives.....	11	4, 127	9	2	-----	2, 306	1, 821	-----
Shipbuilding.....	120	34, 527	116	4	-----	31, 201	3, 326	-----
Railroad repair shops:								
Electric railroad.....	375	20, 612	370	5	-----	20, 434	178	-----
Steam railroad.....	576	83, 342	576	-----	-----	83, 342	-----	-----
Nonferrous metals and their products:								
Aluminum manufactures.....	32	7, 122	32	-----	-----	7, 122	-----	-----
Brass, bronze, and copper products.....	260	41, 373	249	11	-----	40, 070	1, 303	-----
Clocks and watches and time-recording devices.....	27	10, 302	27	-----	-----	10, 302	-----	-----
Jewelry.....	188	9, 896	185	3	-----	9, 729	167	-----
Lighting equipment.....	68	3, 847	68	-----	-----	3, 847	-----	-----
Silverware and plated ware.....	65	9, 001	65	-----	-----	9, 001	-----	-----
Smelting and refining—copper, lead, and zinc.....	42	15, 369	42	-----	-----	15, 369	-----	-----
Stamped and enameled ware.....	196	25, 049	192	4	-----	24, 803	246	-----
Lumber and allied products:								
Furniture.....	581	54, 689	574	7	-----	53, 698	991	-----
Lumber:								
Millwork.....	685	30, 606	681	4	-----	30, 559	47	-----
Sawmills.....	820	95, 364	817	3	-----	94, 740	624	-----
Turpentine and rosin.....	37	2, 779	37	-----	-----	2, 779	-----	-----

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

Industry	Estab- lish- ments report- ing	Total number of em- ployees	Number of establish- ments reporting—			Number of employees having—		
			No wage- rate changes	Wage- rate in- creases	Wage- rate de- creases	No wage- rate changes	Wage- rate in- creases	Wage- rate de- creases
Stone, clay, and glass products:								
Brick, tile, and terra cotta.....	637	24, 111	630	7	-----	23, 811	300	-----
Cement.....	131	19, 459	119	12	-----	17, 259	2, 200	-----
Glass.....	184	53, 633	184	-----	-----	53, 633	-----	-----
Marble, granite, slate, and other products.....	267	5, 929	267	-----	-----	5, 929	-----	-----
Pottery.....	138	19, 384	133	5	-----	18, 688	696	-----
Textiles and their products:								
Fabrics:								
Carpets and rugs.....	34	17, 357	34	-----	-----	17, 357	-----	-----
Cotton goods.....	723	306, 319	723	-----	-----	306, 319	-----	-----
Cotton small wares.....	121	10, 982	120	1	-----	10, 782	200	-----
Dyeing and finishing textiles.....	174	43, 321	173	1	-----	43, 171	150	-----
Hats, fur-felt.....	45	7, 426	42	3	-----	7, 329	97	-----
Knit goods.....	498	124, 475	496	2	-----	124, 366	109	-----
Silk and rayon goods.....	300	49, 429	296	4	-----	49, 357	72	-----
Woolen and worsted goods.....	263	66, 715	260	3	-----	66, 638	77	-----
Wearing apparel:								
Clothing, men's.....	500	69, 744	495	5	-----	68, 780	964	-----
Clothing, women's.....	604	33, 073	601	-----	3	33, 026	-----	47
Corsets and allied gar- ments.....	28	4, 899	28	-----	-----	4, 899	-----	-----
Men's furnishings.....	83	7, 868	81	2	-----	7, 850	18	-----
Millinery.....	136	6, 897	136	-----	-----	6, 897	-----	-----
Shirts and collars.....	160	24, 684	158	2	-----	21, 838	2, 846	-----
Leather and its manufactures:								
Boots and shoes.....	330	104, 705	330	-----	-----	104, 705	-----	-----
Leather.....	171	34, 386	167	4	-----	33, 385	1, 001	-----
Food and kindred products:								
Baking.....	1, 190	77, 792	1, 172	18	-----	77, 201	591	-----
Beverages.....	538	32, 409	533	5	-----	32, 049	360	-----
Butter.....	351	6, 460	351	-----	-----	6, 460	-----	-----
Canning and preserving.....	778	59, 292	729	49	-----	52, 676	6, 616	-----
Confectionery.....	342	31, 455	340	-----	2	31, 389	-----	66
Flour.....	447	16, 958	444	3	-----	16, 897	61	-----
Ice cream.....	371	14, 377	368	3	-----	14, 363	14	-----
Slaughtering and meat pack- ing.....	311	115, 677	302	9	-----	115, 102	575	-----
Sugar, beet.....	57	4, 349	57	-----	-----	4, 349	-----	-----
Sugar refining, cane.....	15	9, 849	13	2	-----	7, 375	2, 474	-----
Tobacco manufactures:								
Chewing and smoking tobac- co and snuff.....	39	10, 025	38	1	-----	9, 278	747	-----
Cigars and cigarettes.....	248	50, 019	244	3	1	49, 907	32	80
Paper and printing:								
Boxes, paper.....	405	29, 306	404	1	-----	29, 285	21	-----
Paper and pulp.....	452	111, 641	436	16	-----	107, 191	4, 450	-----
Printing and publishing:								
Book and job.....	1, 536	61, 803	1, 503	33	-----	61, 089	714	-----
Newspapers and periodi- cals.....	602	61, 178	585	17	-----	59, 695	1, 483	-----
Chemicals and allied products, and petroleum refining:								
Other than petroleum refin- ing:								
Chemicals.....	126	28, 919	123	3	-----	28, 771	148	-----
Cottonseed—oil, cake, and meal.....	110	2, 796	110	-----	-----	2, 796	-----	-----
Druggists' preparations.....	78	9, 372	76	2	-----	9, 270	102	-----
Explosives.....	33	4, 762	33	-----	-----	4, 762	-----	-----
Fertilizers.....	188	8, 142	188	-----	-----	8, 142	-----	-----
Paints and varnishes.....	377	18, 846	375	2	-----	18, 830	16	-----
Rayon and allied prod- ucts.....	31	41, 205	30	1	-----	38, 772	2, 433	-----
Soap.....	118	15, 905	116	2	-----	15, 899	6	-----
Petroleum refining.....	172	58, 760	172	-----	-----	58, 760	-----	-----
Rubber products:								
Rubber boots and shoes.....	7	10, 002	7	-----	-----	10, 002	-----	-----
Rubber goods, other than boots, shoes, tires, and inner tubes.....	133	27, 797	133	-----	-----	27, 797	-----	-----
Rubber tires and inner tubes.....	38	60, 234	37	1	-----	58, 934	1, 300	-----

Nonmanufacturing Industries

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

Anthracite mining, bituminous-coal mining, and crude-petroleum producing were the only industries in which no wage-rate changes were reported. Increases were reported by 472 establishments in the telephone and telegraph industry, which averaged 3 percent and affected 3,000 employees. Eight establishments in the electric-railroad and motor-bus operation and maintenance industry showed an average wage-rate advance of 10 percent to 2,670 workers. An average increase of 5.3 percent, which affected 2,482 employees, was reported by 9 establishments in the electric light and power and manufactured gas industry, while one of 2.8 percent was given to 1,940 wage earners in 13 metalliferous mines. Forty-two wholesale-trade establishments reported an average increase of 10.5 percent in wage rates to 913 employees, 25 establishments in the banks-brokerage-insurance-real-estate group reported one of 10.3 percent to 643 employees, 83 retail trade establishments reported one of 9.1 percent to 528 employees, and 10 quarries and nonmetallic mines showed one of 8.1 percent to 412 workers. The increases in the remaining industries affected 114 or less employees each.

Among the 4 industries which reported wage-rate decreases was the banks-brokerage-insurance-real-estate group with an average cut of 14.2 percent affecting 722 employees. The decreases reported in the remaining industries affected only 84 workers.

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

Industrial group	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
Anthracite mining.....	160	79,914	160	-----	-----	79,914	-----	-----
Percent of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Bituminous-coal mining.....	1,474	239,337	1,474	-----	-----	239,337	-----	-----
Percent of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Metalliferous mining.....	287	27,827	274	13	-----	25,887	1,940	-----
Percent of total.....	100.0	100.0	95.5	4.5	-----	93.0	7.0	-----
Quarrying and nonmetallic mining.....	1,149	38,250	1,139	10	-----	37,838	412	-----
Percent of total.....	100.0	100.0	99.1	.9	-----	98.9	1.1	-----
Crude-petroleum producing.....	262	30,799	262	-----	-----	30,799	-----	-----
Percent of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Telephone and telegraph.....	8,245	263,315	7,773	472	-----	260,315	3,000	-----
Percent of total.....	100.0	100.0	94.3	5.7	-----	98.9	1.1	-----
Electric light and power and manu- factured gas.....	2,532	243,516	2,523	9	-----	241,034	2,482	-----
Percent of total.....	100.0	100.0	99.6	.4	-----	99.0	1.0	-----
Electric-railroad and motor-bus opera- tion and maintenance.....	545	138,141	537	8	-----	135,471	2,670	-----
Percent of total.....	100.0	100.0	98.5	1.5	-----	98.1	1.9	-----
Wholesale trade.....	12,493	226,108	12,450	42	1	225,177	913	18
Percent of total.....	100.0	100.0	99.7	.3	(1)	99.6	.4	(1)
Retail trade.....	36,851	590,791	36,757	83	11	590,201	528	62
Percent of total.....	100.0	100.0	99.7	.2	(1)	99.9	.1	(1)
Hotels.....	2,712	146,286	2,709	2	1	146,228	54	4
Percent of total.....	100.0	100.0	99.9	.1	(1)	100.0	(1)	(1)
Laundries.....	1,371	75,587	1,366	5	-----	75,473	114	-----
Percent of total.....	100.0	100.0	99.6	.4	-----	99.8	.2	-----
Dyeing and cleaning.....	706	17,949	703	3	-----	17,909	40	-----
Percent of total.....	100.0	100.0	99.6	.4	-----	99.8	.2	-----
Banks, brokerage, insurance and real estate.....	5,305	196,604	5,245	25	35	195,239	643	722
Percent of total.....	100.0	100.0	98.9	(1)	1.0	99.3	.3	.4

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

