

UNITED STATES DEPARTMENT OF LABOR

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BUREAU OF LABOR STATISTICS

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# Trend of Employment

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April 1935

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## TREND OF EMPLOYMENT

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### Employment in April 1935

**E**MPLOYMENT data for April present a mixed picture of gains and losses. In some industries employment rose sharply, but these gains were partly nullified in other directions where seasonal influences caused a curtailment. For industry as a whole, however, the movement was definitely upward and a net gain of more than 118,000 over March is indicated by reports received from establishments canvassed by the Bureau of Labor Statistics.

Overshadowing all other factors contributing to the increase in industrial employment in April was the sharp rise in the number of workers employed in the retail trade. It is estimated that nearly 131,000 additional workers found employment in this branch of industry during the month. This expansion partly reflects the increased activity in general merchandising due to the spring and Easter trade. A substantial gain was also reported in employment in the private building-construction industry. On the other hand, employment in bituminous-coal mining declined abruptly largely as a result of the sluggishness that usually attends the industry at this season of the year. Smaller declines were reported in wholesale trade, hotels, brokerage establishments, and the communication industry. Factory employment in April remained at the same level as in the previous month.

In addition to the rise of industrial employment, a substantial increase likewise occurred in virtually all branches of public employment in April. Increased activity on construction projects financed by the Public Works Administration gave jobs to almost 52,000 more workers in April than in March and nearly 74,000 workers were added to the rolls of Civilian Conservation Camps. Small gains are also shown in the number of workers employed by the executive, judicial, and legislative branches of the Federal Government and the number of workers employed on construction projects financed by regular governmental appropriations in April was 51.9 percent higher than in March.

## Industrial Employment

### Manufacturing Industries

INSTEAD of the contraction which has been reported in April in 10 of the 16 preceding years, factory employment in April 1935 showed no change over the month interval. The reductions in working forces that did take place in the separate manufacturing industries during the month were more prevalent in the nondurable-goods industries. In the durable-goods group as a whole employment continued upward, being 1.1 percent higher than in the month preceding.

Although the level of factory employment remained unchanged in April, weekly pay rolls continued to advance, the index standing at 70.8 as compared with 70.7 in March. The rise in the pay-roll index in April is distinctly contra-seasonal, having happened on only 4 other occasions during the 16 years for which data are available.

Forty-nine of the 90 manufacturing industries surveyed showed gains in employment from March to April and 50 showed increases in pay rolls. Of the 14 major groups into which these industries are classified, 7 reported increased employment, 6 showed decreases, and 1 (paper and printing) showed no change. The largest employment gain (over 13,000) occurred in the food group, the percentage equivalent being 2.2. The most pronounced gains in the individual industries included in this group were seasonal rises in the canning, beet sugar, ice cream, butter, and beverage industries. The decrease in confectionery was also seasonal. Approximately 10,000 workers were returned to jobs in the lumber and allied products group, substantial gains in the sawmill and millwork industries having offset the small losses in the furniture and turpentine industries sufficiently to cause a net gain of 2.2 percent. Increases of 1.2 percent in employment in the machinery and transportation groups represented the reemployment of almost 9,000 workers in the former and 7,000 in the latter. Six of the 9 industries in the machinery group showed gains, the most important being electrical machinery, foundries and machine shops, and machine tools. The decrease of 4.3 percent in agricultural implements was largely due to labor difficulties. Three of the 5 industries in the transportation group showed increases (automobiles, cars, and aircraft). Approximately 6,000 wage earners were added to the rolls of establishments in the stone, clay, and glass-products group, a 3.3 percent gain. Each of the 5 industries surveyed in this group showed gains in number of workers, the cement and marble-slate-granite industries standing out with increases of 20.3 percent and 13.6 percent, respectively. Strikes in brick manufacturing plants retarded the usual seasonal expansion in this industry. Nine of the 13 industries surveyed in the iron and steel group showed

increases in employment, but the other 4 industries reported decreases. The net increase for the group was 0.6 percent or 3,500 workers. The nonferrous metal group showed a gain of only 0.5 percent or 1,000 wage earners. The textile group showed the greatest falling-off in number of workers, the 2-percent decrease being equivalent to 32,600 employees. The subgroup, wearing apparel, showed a slight increase, but the subgroup, fabrics, showed a marked decrease of 3.2 percent. Cotton goods, silk and rayon, and woolen and worsted goods were largely responsible for this decline, the first-named industry having curtailed operations in compliance with orders of the Code Authority. The decreases in the remaining 5 groups were small, the losses in number of workers ranging from 1,400 in the tobacco group to 4,100 in the chemical and petroleum refining group. The leather group showed a falling-off of 3,900 workers, railroad repair shops showed a decline of 3,400, and the rubber group lost 1,600.

Although the level of factory employment as a whole remained unchanged, the durable-goods industries continued to take on more workers. The gain of 1.1 percent in these industries brought the April index to 71.6 when compared with 100 for the 3-year average, 1923-25. This is the highest point reached since April 1931. Durable-goods pay rolls rose 2.1 percent in April, the index being 61.8, the highest point since May 1931. The nondurable-goods industries, on the other hand, fell off 0.8 percent in employment and 1.8 percent in pay rolls, 94 wage earners having jobs in April 1935 for every 100 who had jobs in 1923-25, and \$82.30 being paid out in wages in the current month for every \$100 paid out in the base period.

The Bureau's indexes of factory employment and pay rolls are computed from data sent in by representative establishments in 90 manufacturing industries. In March and April reports were received from 24,648 establishments employing in the latter month 3,884,987 workers with a weekly wage bill of \$82,269,504. More than 50 percent of all the wage earners in the manufacturing industries of the country were covered by these reports.

Per capita weekly earnings are also computed from these data. They should not be confused with full-time weekly rates of pay, as they are obtained by dividing the total number of employees (part-time as well as full-time workers) into the total weekly pay roll. In April the average weekly earnings for all manufacturing industries combined were \$21.18 or 0.1 percent higher than in March. Forty-four of the ninety manufacturing industries canvassed showed higher average weekly rates of pay in April than in March, the percentage changes ranging from 0.1 to 11.2.

Reports of man-hour data by a smaller number of establishments—some firms do not report man-hours—showed a decrease of 0.5 percent

in average hours worked per week and a gain of 0.4 percent in average hourly earnings. Of the industries for which man-hour data are published, 39 showed increases in average hours worked per week and 54 showed increases in average hourly earnings. Man-hour data are not published for any industry for which available information covers less than 20 percent of all employees in that industry.

Detailed statistics concerning employment, pay rolls, average hours worked per week, per capita weekly earnings, and average hourly earnings in manufacturing industries in April are presented in table 1. Percentage changes from March of this year and April of last year are also given in this table.

Table 1.—Employment, Pay Rolls, and Earnings in Manufacturing Industries, April 1935

Industry	Employment			Pay roll			Per capita weekly earnings <sup>1</sup>			Average hours worked per week <sup>2</sup>			Average hourly earnings <sup>3</sup>		
	Index April 1935 (3-year average 1923-25 = 100)	Percentage change from—		Index April 1935 (3-year average 1923-25 = 100)	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—	
		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934
<b>All industries</b> .....	82.4	(?)	(?)	70.8	+0.1	+5.2	\$21.17	+0.1	+5.1	36.4	-0.5	(?)	Cents 57.0	+0.4	+4.3
<b>Durable goods</b> .....	71.6	+1.1	+2.3	61.8	+2.1	+7.7	23.23	+ .9	+5.2	37.6	+ .8	+1.5	60.7	+ .5	+3.2
<b>Nondurable goods</b> .....	94.0	- .8	-1.9	82.3	-1.8	+2.9	18.23	- .9	+4.9	35.4	-1.7	- .9	53.8	+ .4	+6.4
<b>Durable Goods</b>															
<b>Iron and steel and their products, not including machinery</b> .....	72.2	+ .6	- .6	59.4	+ .2	+4.6	22.09	- .4	+5.2	35.7	- .3	+1.5	62.0	+ .2	+2.5
Blast furnaces, steel works, and rolling mills.....	73.7	- .3	+1.1	62.3	-1.6	+4.9	23.05	-1.2	+4.0	34.7	-1.1	+ .7	66.7	+ .2	+1.9
Bolts, nuts, washers, and rivets.....	80.1	+2.4	-4.4	67.6	+2.2	+4.5	21.92	- .2	+0.3	38.6	-1.0	+8.7	56.8	+ .7	-1.3
Cast-iron pipe.....	47.3	-2.7	-8.2	26.3	+5.0	-6.1	15.09	+7.9	+2.1	30.3	+6.7	+ .5	49.3	+1.4	- .2
Cutlery (not including silver and plated cutlery), and edge tools.....	80.3	+ .3	-2.0	60.1	-1.8	+1.2	20.47	-2.1	+3.1	37.3	-2.1	-2.8	55.0	+ .2	+5.6
Forgings, iron and steel.....	62.8	+1.8	+6.1	52.2	+1.0	+11.1	23.86	- .8	+4.7	38.6	-1.3	- .3	61.8	+ .5	+7.5
Hardware.....	54.4	-3.6	-36.2	46.3	-3.3	-34.1	19.69	+ .4	+3.9	36.0	+ .3	+8.4	54.8	(?)	-6.3
Plumbers' supplies.....	73.9	+2.1	+35.1	46.1	+2.8	+52.1	20.49	+ .7	+12.6	37.5	+ .5	+9.8	54.6	+ .2	+2.3
Steam and hot-water heating apparatus and steam fittings.....	50.2	- .2	+9.6	33.8	+ .9	+19.4	21.68	+1.0	+8.9	36.4	+1.1	+2.9	59.5	(?)	+4.0
Stoves.....	97.4	+6.1	+7.2	73.7	+8.0	+15.5	21.17	+1.8	+7.6	37.0	+ .3	-2.8	57.2	+1.6	+8.6
Structural and ornamental metalwork.....	55.3	+ .5	-1.2	39.8	+2.7	+5.9	20.05	+2.2	+6.5	34.1	+1.5	+2.3	58.9	+ .7	+4.8
Tin cans and other tinware.....	88.3	+2.2	+ .1	85.4	+2.6	+1.4	20.16	+ .3	+1.3	37.3	- .3	-3.2	53.7	+ .9	+1.7
Tools (not including edge tools, machine tools, files, and saws).....	65.4	+1.6	+3.8	60.8	+ .5	+14.9	21.40	-1.2	+10.3	39.2	-1.5	+ .5	54.8	+ .4	+11.7
Wirework.....	128.9	+3.5	-1.9	121.5	+5.5	+9.9	23.04	+1.9	+12.2	38.9	+1.6	+5.2	59.0	- .2	+4.2
<b>Machinery, not including transportation equipment</b> .....	85.1	+1.2	+6.0	67.6	+1.0	+11.7	22.80	- .1	+5.4	37.5	+1.4	+3.3	59.7	-1.3	+2.8
Agricultural implements.....	97.0	-4.3	+11.2	108.8	-4.3	+16.2	24.01	(?)	+4.4	39.9	+ .3	-2.6	60.6	- .2	+8.3
Cash registers, adding machines, and calculating machines.....	104.6	+1.5	+2.5	84.9	+1.5	+10.7	26.92	(?)	+8.1	39.1	- .3	+ .6	68.9	+ .4	+6.3
Electrical machinery, apparatus, and supplies.....	70.9	+2.4	+11.3	58.4	+2.0	+22.2	22.80	- .4	+10.0	36.1	- .3	+5.4	62.0	- .2	+3.6

See footnotes at end of table.

Table 1.—Employment, Pay Rolls, and Earnings in Manufacturing Industries, April 1935—Continued

Industry	Employment			Pay roll			Per capita weekly earnings <sup>1</sup>			Average hours worked per week <sup>2</sup>			Average hourly earnings <sup>3</sup>			
	Index April 1935 (3-year average 1923-25 = 100)	Percentage change from—		Index April 1935 (3-year average 1923-25 = 100)	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—		
		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934	
<b>Machinery, not including transportation equipment—Continued</b>																
Engines, turbines, tractors, and water wheels	97.5	+7.3	+40.7	69.6	+8.3	+55.4	\$25.46	+0.9	+10.1	39.2	+1.0	+4.6	<i>Cents</i> 64.9	-0.2	+5.0	
Foundry and machine-shop products	74.3	+1.1	+3.8	58.0	+9	+6.6	22.10	-2	+3.0	38.4	+2.9	+2.6	57.6	-3.2	+2	
Machine tools	81.8	+2.7	+15.5	67.8	+1.9	+17.5	24.75	-8	+1.9	40.1	-5	-1.2	61.7	-2	+2.4	
Radios and phonographs	182.4	-3.5	-8.9	107.0	-3.3	-1.7	18.63	+2	+7.9	32.9	-9	-4.7	56.7	+1.3	+6.8	
Textile machinery and parts	65.8	+1.5	-12.3	51.6	-1.4	-15.3	21.53	-2.9	-2.4	35.9	-2.2	-4.6	60.3	-5	+2.4	
Typewriters and parts	93.6	-2.4	-8.8	78.0	-2.2	-7.3	21.34	+2	+1.7	37.4	(3)	-5.6	57.0	+4	+8.6	
<b>Transportation equipment</b>	104.8	+1.2	+5.4	102.7	+4.6	+11.1	28.19	+3.4	+5.4	39.4	+2.1	+1.2	71.4	+1.0	+3.8	
Aircraft	356.1	+8.2	-10.0	291.5	+5.0	-12.2	24.86	-3.0	-2.5	39.4	-5	-3.9	64.7	-2	+7.8	
Automobiles	119.9	+4	+4.4	117.1	+3.9	+9.0	28.97	+3.5	+4.4	40.2	+2.0	+3	72.1	+1.4	+2.5	
Cars, electric- and steam-railroad	59.1	+13.3	+37.9	65.1	+19.3	+45.3	23.43	+5.4	+14.1	37.2	+3.0	+5.1	63.3	+2.1	+6.8	
Locomotives	32.3	-4	+27.7	15.0	+2.6	+37.6	22.87	+3.1	+7.3	35.5	+2.0	-5	64.4	-1.9	+7.0	
Shipbuilding	74.6	-4	+4.0	62.0	-2.9	+15.0	23.89	-2.4	+10.5	32.2	+6	+4.2	73.9	+9	+9.5	
<b>Railroad repair shops</b>	52.9	-1.3	-8.5	56.7	+2.2	-4.3	27.11	+3.6	+4.5	40.2	-6	+4.4	67.8	+4.2	+8.4	
Electric railroad	65.6	-3	-1.1	60.4	-2.5	+2.0	27.28	-1	+3.2	45.0	-2	-4	60.5	+3	+5.0	
Steam railroad	52.0	-1.3	-0.1	50.1	+2.5	-4.9	27.06	+3.8	+3.9	39.7	-7	-4.9	68.3	+4.6	+9.4	
<b>Nonferrous metals and their products</b>	80.9	+5	+5.2	64.4	-3	+9.3	29.71	-7	+3.9	37.7	-1.3	+1.6	54.5	+3	+5.4	
Aluminum manufactures	66.6	-4	-19.0	60.9	-5	-9.1	21.33	-2	+12.4	39.4	+1.0	+3.5	54.0	-1.3	-6	
Brass, bronze, and copper products	81.8	-2	+3.4	64.1	+1	+7.2	22.35	+4	+3.9	38.6	-5	+1.9	58.0	+1.0	+3.1	
Clocks and watches and time-recording devices	79.9	+1.3	+13.5	64.9	-1.2	+15.7	18.48	-2.5	+2.0	38.0	-3.8	-6.0	48.7	+1.5	+9.1	
Jewelry	69.4	-1.6	+4.5	51.4	-4.5	+3.6	18.78	-2.9	-7	34.7	-2.3	-4.3	53.6	-4	+8.5	
Lighting equipment	70.1	+5	+7.2	59.0	+3.5	+12.8	19.97	+2.9	+5.1	36.4	+1.7	+3	54.9	+1.5	+4.7	
Silverware and plated ware	71.7	+3.9	-1.4	51.2	-2.6	(3)	20.10	-6.2	+1.2	35.5	-5.3	-8	56.2	-5	+5.8	
Smelting and refining—copper, lead, and zinc	77.1	+1.9	+22.8	49.8	+3.0	+28.7	21.22	+1.0	+4.7	38.5	+5	-1.6	55.0	+2	+6.0	
Stamped and enameled ware	97.6	+1.6	+3.8	89.6	-2.0	+10.9	19.39	-2.5	+6.7	37.8	-2.8	+1.1	51.0	+2	+8.0	
<b>Lumber and allied products</b>	51.7	+2.2	+4.7	37.3	+3.3	+12.6	16.35	+1.1	+7.6	37.2	+1.6	+4.5	43.9	+5	+4	
Furniture	68.6	-7	+12.8	49.2	-1.1	+22.1	17.11	-5	+7.9	38.0	-3	+7.1	45.1	+2	-1	
<b>Lumber</b>																
Millwork	39.7	+3.8	+8	27.7	+7.6	+12.6	16.33	+3.7	+11.9	36.4	+2.0	+8.6	44.8	+1.8	+3.7	
Sawmills	34.8	+3.6	+1.5	23.7	+5.8	+5.3	15.83	-2.1	+3.5	36.4	+2.2	+3.0	44.0	(3)	-6	
Turpentine and rosin	99.2	-6	-2.0	57.9	+10.6	+7.8	13.67	+11.2	+9.9							



<b>Stone, clay, and glass products</b> .....	53.2	+3.3	-3.8	39.3	+5.1	+1.3	19.18	+1.8	+5.3	34.9	+2.0	+6	55.1	(C)	+4.2
Brick, tile, and terra cotta.....	27.6	+1	-9.5	16.3	+2	-6	15.11	+1	+9.5	33.6	+1.8	+8	44.6	-2.0	+4.9
Cement.....	50.0	+20.3	+4.2	31.9	+27.6	+4.2	19.28	+6.1	+1	34.1	+7.9	-2.0	56.7	-1.4	+2.9
Glass.....	94.2	+5	-1.8	82.7	+1.7	+2.4	20.54	+1.2	+4.2	35.2	+6	+8	58.8	+3	+3.4
Marble, granite, slate, and other products.....	26.5	+13.6	-18.0	18.2	+19.9	-15.3	22.46	+5.5	+2.9	33.5	+4.7	+8	67.7	+6	+2.5
Pottery.....	73.4	+7	-7	53.4	+1.9	+6.8	18.98	+1.1	+8.4	36.3	+1.1	-1.9	51.5	+4	+8.6
<b>Nondurable goods</b>															
<b>Textiles and their products</b> .....	97.2	-2.0	-1.9	82.4	-5.1	+3.3	16.34	-3.1	+5.3	33.6	-2.6	-.7	48.3	-.4	+5.9
Fabrics.....	93.3	-3.2	-3.6	78.0	-6.4	-1.6	15.41	-3.2	+2.1	34.1	-3.9	-1.7	44.9	+2	+3.8
Carpets and rugs.....	79.1	+5.0	+12.7	74.2	+8.6	+35.6	21.37	+3.4	+20.2	37.1	+3	+8.0	56.2	+1.3	+7.7
Cotton goods.....	91.9	-3.8	-11.0	74.0	-8.1	-13.9	12.76	-4.6	-3.2	33.3	-5.1	-5.7	38.3	+5	+2.7
Cotton small wares.....	90.6	+1	-2.7	78.7	-1.1	(3)	16.39	-1.2	+2.8	36.6	-2.1	+2.0	44.4	+9	+3
Dyeing and finishing textiles.....	114.6	-2.0	-1.5	95.7	-4.6	+9	19.31	-2.6	+2.8	35.7	-2.2	+1.7	53.8	-4	+2.7
Hats, fur-felt.....	84.9	+1.0	-.4	71.2	-14.4	+7	19.74	-15.3	+1.1	27.2	-17.3	-6.4	70.7	+1.0	+7.8
Knit goods.....	114.3	-.2	-.2	110.3	-3.8	+1.3	16.44	-3.6	+1.7	34.2	-4.2	-4.4	47.9	+2	+5.7
Silk and rayon goods.....	71.0	-7.2	-9.4	59.6	-9.1	-5.8	15.40	-2.1	+4.0	33.9	-1.7	+4.9	45.6	(3)	+1.5
Woolen and worsted goods.....	87.0	-5.9	+16.2	66.5	-8.3	+20.0	17.50	-2.5	+3.4	35.5	-1.9	+4.6	49.3	-.6	-1.4
Wearing apparel.....	101.8	+4	+1.8	86.4	-2.4	+13.5	19.06	-2.7	+11.6	32.5	+3	+2.1	55.5	-2.3	+8.5
Clothing, men's.....	94.7	+1	+7.6	82.5	+6	+34.4	20.45	+4	+24.7	32.7	-3	+12.7	62.9	+1.0	+10.3
Clothing, women's.....	134.8	+9	+2.0	103.9	-6.6	+5.4	18.50	-7.5	+3.3						
Corsets and allied garments.....	93.8	+1	-3.0	91.3	-.1	-2.7	16.19	-1	+8	35.2	+3	-2.0	45.3	-.9	-1.9
Men's furnishings.....	111.3	-3	-1.4	76.7	-4.6	-4.2	14.26	-4.3	-3.0	32.6	+3	-15.7	42.3	-1.4	+14.3
Millinery.....	69.6	-8	-16.4	70.0	-.8	-9.0	23.94	+1	+9.2	35.9	+6.8	+7.3	65.8	+1.1	-2.5
Shirts and collars.....	104.3	-(4)	-3.7	104.4	+3.1	+6.6	13.12	+3.2	+10.8	31.7	+3.6	+1.0	41.0	-2	+16.6
<b>Leather and its manufactures</b> .....	91.5	-1.3	-.9	79.1	-5.9	-3.7	18.63	-4.7	-2.8	35.0	-5.4	-7.1	52.6	+6	+3.4
Boots and shoes.....	90.8	-1.4	-1.5	75.1	-7.0	-8.2	17.94	-5.7	-6.7	34.3	-6.3	-9.2	51.5	+6	+3.0
Leather.....	94.5	-1.0	+1.4	91.4	-3.0	+11.6	21.04	-2.0	+10.0	37.5	-2.1	+1.2	56.5	(3)	+5.3
<b>Food and kindred products</b> .....	94.7	+2.2	-2.6	85.5	+3.9	+2.9	20.74	+9	+5.6	38.6	+3	+1.9	53.6	(3)	+5.6
Baking.....	111.8	+9	+5	95.5	+2.0	+4.6	21.51	+1.0	+4.1	39.9	(3)	-1.9	53.4	+1.1	+6.6
Beverages.....	156.0	+3.1	-.4	153.6	+4.6	+1.8	29.62	+1.4	+2.0	38.6	+8	+1.6	76.5	+3	+1.5
Butter.....	70.4	+3.8	-11.1	54.7	+4.3	-11.6	20.19	+5	-1.0						
Canning and preserving.....	70.7	+29.3	-1.7	78.7	+30.3	+13.2	13.74	+7	+15.3	32.9	-9	+11.1	40.9	+1.0	+6.3
Confectionery.....	77.6	-5.6	+3.9	64.7	-11.3	+4.7	15.08	-6.0	+7	34.2	-5.3	-3.7	44.2	(3)	+6.3
Flour.....	74.2	-1.0	-.4	62.5	-1.5	+2.1	20.52	-.4	+2.7	37.5	+3	+1	53.6	-2	+4.0
Ice cream.....	69.1	+7.6	+6.5	55.5	+5.9	+8.0	25.42	-1.5	+1.5	44.5	+2.2	-1.6	55.1	-3.2	+3.8
Slaughtering and meat packing.....	81.5	-1.7	-11.8	74.3	+1.1	-2.4	22.67	+2.8	+10.8	39.9	+3.4	+1.6	56.0	-2.2	+9.3
Sugar, beet.....	39.5	+12.5	+5.9	39.0	+7.1	+15.4	23.51	-4.8	+9.3	38.4	-1.3	+8.7	65.2	-1.9	-6.2
Sugar refining, cane.....	83.8	+3.5	-1.1	76.2	+9.5	+8.2	23.35	+5.8	+9.5	40.0	+5.3	+1.4	58.6	+1.9	+8.0
<b>Tobacco manufactures</b> .....	56.8	-1.7	-12.2	43.1	-2.7	-6.7	13.45	-.9	+6.3	33.2	-.9	-4.2	40.1	-.2	+8.9
Chewing and smoking tobacco and snuff.....	68.7	-2.8	-13.4	64.9	-4.1	-2.1	14.68	-1.3	+13.1	33.9	+3	+1.9	43.5	-1.6	+9.3
Cigars and cigarettes.....	55.3	-1.4	-11.9	40.3	-2.3	-7.6	13.24	-.9	+5.2	33.1	-1.2	-5.3	39.5	(C)	+9.6
<b>Paper and printing</b> .....	96.9	(3)	+1.9	84.6	-.1	+6.1	24.20	+1	+4.2	37.4	-.8	+1.1	68.4	+7	+4.6
Boxes, paper.....	85.7	-7	+5	78.1	-1.9	+3.2	18.54	-1.3	+2.7	36.8	-2.1	-1.5	50.6	+1.2	+4.2
Paper and pulp.....	109.8	+1	+2.8	87.3	-1.3	+7.4	19.95	-1.4	+4.6	38.1	-1.6	+1.3	52.6	+4	+4.8
Printing and publishing.....															
Book and job.....	87.1	-.4	+2.8	77.1	+1	+8.9	27.35	+4	+5.9	37.2	-.5	+3.2	74.0	+1.0	+3.9
Newspapers and periodicals.....	99.4	+6	+4	90.5	+1.5	+3.7	33.09	+9	+3.1	37.1	+5	-.5	88.2	+5	+5.3

See footnotes at end of table.

Table 1.—Employment, Pay Rolls, and Earnings in Manufacturing Industries, April 1935—Continued

Industry	Employment			Pay roll			Per capita weekly earnings <sup>1</sup>			Average hours worked per week <sup>2</sup>			Average hourly earnings <sup>3</sup>		
	Index April 1935 (3-year average 1923-25 = 100)	Percentage change from—		Index April 1935 (3-year average 1923-25 = 100)	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—	
		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934
<b>Chemicals and allied products, and petroleum refining</b>	<b>111.5</b>	<b>-1.1</b>	<b>-1.6</b>	<b>95.9</b>	<b>-0.2</b>	<b>+3.9</b>	<b>\$22.43</b>	<b>+0.8</b>	<b>+5.5</b>	<b>37.2</b>	<b>-1.1</b>	<b>-0.1</b>	<i>Cents</i> <b>59.7</b>	<b>+1.9</b>	<b>+6.6</b>
Other than petroleum refining	112.3	-1.4	-2.1	95.6	-.4	+3.5	20.31	+ .9	+5.6	37.9	-1.6	+ .1	53.3	+2.5	+6.4
Chemicals	106.9	+3.4	-3.5	96.2	+2.7	+ .4	24.88	- .7	+4.0	39.5	- .8	+4.7	63.0	(3)	+1.5
Cottonseed—oil, cake, and meal	53.6	-28.5	-23.9	49.4	-34.3	-21.0	9.63	-8.1	+3.9	40.1	-8.9	+2.1	24.0	+ .8	+3.4
Druggists' preparations	98.9	- .1	-1.7	97.7	+1.9	+5.7	20.67	+2.0	+7.5	39.3	+1.8	+4.3	52.8	+ .2	+4.7
Explosives	84.6	-4.2	-14.7	69.3	-5.0	-11.8	23.20	- .8	+3.7	34.8	-3.6	-3.2	66.6	+2.8	+6.3
Fertilizers	155.3	-7.3	-14.4	119.9	-8.1	-9.2	11.17	- .8	+5.9	33.2	-4.9	-4.3	33.6	+4.3	+11.6
Paints and varnishes	109.2	+4.8	+6.4	91.9	+6.7	+10.7	23.35	+1.9	+4.3	40.4	+2.5	-1.5	57.8	- .7	+5.1
Rayon and allied products	334.9	-4.0	+5.0	242.7	-3.8	+9.7	19.25	+ .2	+4.4	37.0	-1.6	-2.3	52.0	+1.6	+6.7
Soap	102.7	- .6	-1.7	97.0	+1.1	+9.2	22.62	+1.7	+11.1	38.3	-1.3	-6.4	59.1	+3.0	+18.3
Petroleum refining	108.3	+ .4	+ .5	96.9	+ .5	+5.3	27.48	+ .1	+4.8	35.1	(3)	- .3	78.7	+ .1	+6.0
<b>Rubber products<sup>4</sup></b>	<b>82.5</b>	<b>-1.0</b>	<b>-8.3</b>	<b>71.2</b>	<b>+ .8</b>	<b>-3.0</b>	<b>23.82</b>	<b>+1.8</b>	<b>+5.8</b>	<b>34.8</b>	<b>+1.2</b>	<b>- .8</b>	<b>69.0</b>	<b>+ .7</b>	<b>+7.1</b>
Rubber boots and shoes	47.1	-9.0	-15.6	43.8	-12.1	-14.8	18.36	-3.4	+4.1	34.9	-4.1	-6.0	52.7	+1.0	+6.0
Rubber goods, other than boots, shoes, tires, and inner tubes	126.7	+ .5	-5.5	106.7	- .4	+1.5	19.35	- .9	+7.7	37.0	- .3	+4.2	52.8	+ .2	+ .2
Rubber tires and inner tubes <sup>5</sup>	74.9	- .3	-8.8	65.4	+4.2	-3.3	27.80	+4.5	+6.4	33.2	+3.8	-3.2	84.6	+ .7	+11.3

<sup>1</sup> Per capita weekly earnings are computed from figures furnished by all reporting establishments. Percentage changes over year computed from indexes. Percentage changes over month in the groups and in "All industries" also computed from indexes.

<sup>2</sup> Computed from available man-hour data—all reporting establishments do not furnish man-hours. Percentage changes over year computed from indexes. The average hours and average hourly earnings in the groups and in "All industries" are weighted.

<sup>3</sup> No change.

<sup>4</sup> Less than  $\frac{1}{10}$  of 1 per cent.

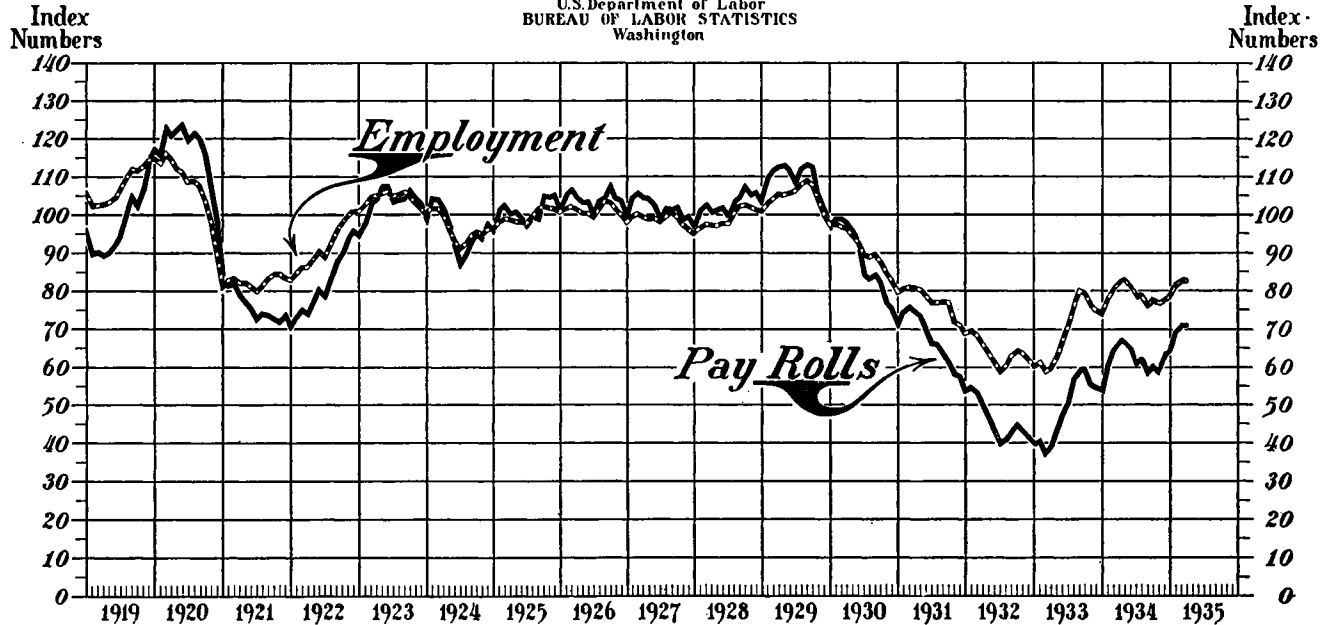
<sup>5</sup> February 1935 data revised in table below.

Industry	Employment			Pay roll			Per capita weekly earnings			Average hours worked per week			Average hourly earnings		
	Index February 1935	Percentage change from—		Index February 1935	Percentage change from—		Average February 1935	Percentage change from—		Average February 1935	Percentage change from—		Average February 1935	Percentage change from—	
		January 1935	February 1934		January 1935	February 1934		January 1935	February 1934		January 1935	February 1934		January 1935	February 1934
Rubber products.....	83.0	+1.5	-1.9	65.7	+5.7	+13.5	28.54	+4.8	+12.6	32.9	+0.3	+2.6	86.9	+4.3	+11.2
Rubber tires and inner tubes.....	75.3	+8	+9												

# EMPLOYMENT & PAY ROLLS *in* MANUFACTURING INDUSTRIES

3-year average 1923-1925=100

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



### Long-Time Trend of Factory Employment and Pay Rolls

GENERAL indexes of factory employment and pay rolls, based on the 3-year average 1923-25 as 100, are presented below by months from January 1929 through April 1935. The trend over this period is illustrated graphically by the chart on the following page which has been plotted from the indexes given in table 2.

**Table 2.—General Indexes of Employment and Pay Rolls in Manufacturing Industries—January 1929 to April 1935**

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

Month	Employment							Pay rolls						
	1929	1930	1931	1932	1933	1934	1935	1929	1930	1931	1932	1933	1934	1935
January	100.8	97.3	79.6	68.7	60.2	73.3	78.7	102.3	95.9	70.0	53.5	39.5	54.0	61.1
February	102.9	97.4	80.3	69.5	61.1	77.7	81.2	109.3	98.8	74.3	54.6	40.2	60.6	69.1
March	104.1	96.9	80.7	68.4	58.8	80.8	82.4	111.6	98.8	75.6	53.1	37.1	64.8	70.7
April	105.3	96.3	80.7	66.1	59.9	82.4	82.4	112.6	97.7	74.4	49.5	38.8	67.3	70.8
May	105.3	94.8	80.1	63.4	62.6	82.5	-----	112.9	95.4	73.4	46.8	42.7	67.1	-----
June	105.6	92.9	78.4	61.2	66.9	81.1	-----	111.2	92.3	69.7	43.4	47.2	64.9	-----
July	106.1	89.5	77.0	58.9	71.5	78.7	-----	107.2	84.3	66.2	39.8	50.8	60.5	-----
August	107.9	88.8	77.1	60.1	76.4	79.5	-----	112.0	83.3	65.9	40.6	56.8	62.2	-----
September	109.0	89.6	77.4	63.3	80.0	75.8	-----	112.9	84.1	63.4	42.9	59.1	58.0	-----
October	107.7	87.7	74.4	64.4	79.6	78.4	-----	112.4	82.2	61.3	44.7	59.4	61.0	-----
November	103.6	84.6	71.8	63.4	76.2	76.8	-----	104.1	76.8	58.1	42.9	55.5	59.5	-----
December	99.8	82.3	71.0	62.1	74.4	78.0	-----	100.7	75.2	57.6	41.5	54.5	63.2	-----
Average	104.8	91.5	77.4	64.1	69.0	78.8	181.2	109.1	88.7	67.5	46.1	48.5	61.9	168.7

<sup>1</sup> Average for 4 months.

Table 3 gives employment and pay-roll indexes for the durable and nondurable goods groups by months from January 1929 through March 1935. These indexes are likewise based on the 3-year average, 1923-25 as 100.

**Table 3.—Indexes of Employment and Pay Rolls in the Durable and Nondurable Groups, January 1929 to April 1935**

[3-year average 1923-25=100]

#### *Durable group*<sup>1</sup>

Month	Employment							Pay rolls						
	1929	1930	1931	1932	1933	1934	1935	1929	1930	1931	1932	1933	1934	1935
January	99.1	93.1	71.9	57.3	45.4	59.8	66.1	100.0	90.1	59.8	41.3	27.6	41.6	52.5
February	101.7	93.3	72.1	57.8	45.8	63.5	69.3	109.0	94.6	64.4	42.0	27.7	47.9	58.6
March	103.5	93.1	72.2	56.5	43.9	67.1	70.8	112.0	95.1	65.7	40.4	25.3	52.8	60.5
April	105.3	92.6	72.2	54.6	44.4	70.0	71.6	114.7	95.3	65.1	38.0	26.6	57.4	61.8
May	106.5	91.8	71.4	52.9	47.0	71.5	-----	115.8	93.3	64.1	37.0	30.8	58.6	-----
June	106.4	89.1	69.5	50.9	50.7	70.8	-----	112.9	89.1	69.4	33.3	34.7	56.9	-----
July	106.3	84.7	66.8	48.5	55.3	67.4	-----	107.1	78.1	54.3	29.8	38.0	49.9	-----
August	107.3	82.2	65.3	46.9	60.1	66.1	-----	112.6	75.6	52.9	28.2	43.9	50.0	-----
September	106.8	81.0	64.5	47.3	63.4	64.2	-----	111.7	74.7	49.6	27.9	44.7	45.5	-----
October	105.0	79.6	61.8	47.7	63.2	62.8	-----	111.1	73.7	48.5	29.8	45.4	46.4	-----
November	100.3	77.1	60.3	48.1	61.2	62.2	-----	101.7	68.4	46.4	30.0	42.5	46.1	-----
December	95.8	74.9	59.7	47.3	60.7	64.3	-----	96.7	66.4	45.8	29.4	42.3	50.4	-----
Average	103.7	86.1	67.3	51.3	53.4	65.8	169.5	108.8	82.9	56.3	33.9	35.8	50.3	158.4

See footnotes at end of table.

**Table 3.—Indexes of Employment and Pay Rolls in the Durable and Nondurable Groups, January 1929 to April 1935—Continued**

*Nondurable group*<sup>3</sup>

Month	Employment							Pay rolls						
	1929	1930	1931	1932	1933	1934	1935	1929	1930	1931	1932	1933	1934	1935
January.....	102.7	101.8	87.8	80.9	76.0	87.9	92.3	105.3	103.2	83.0	69.1	54.5	69.7	79.0
February.....	104.3	101.7	89.0	82.2	77.6	93.0	94.1	109.8	104.1	86.9	70.7	56.2	76.9	82.5
March.....	104.9	100.9	90.0	81.2	74.7	95.4	94.8	111.0	103.5	88.3	69.2	52.1	80.1	83.8
April.....	105.4	100.1	89.8	78.5	76.5	95.8	94.0	110.2	100.8	86.3	64.0	54.4	80.0	82.3
May.....	104.1	98.0	89.3	74.9	79.3	94.3	-----	109.3	98.3	85.2	59.3	57.9	78.1	-----
June.....	104.7	96.9	88.0	72.4	84.3	92.3	-----	109.1	96.5	82.7	56.2	63.1	75.1	-----
July.....	105.8	94.7	88.2	70.1	88.9	90.8	-----	107.3	92.3	81.3	52.6	67.0	73.9	-----
August.....	108.6	95.9	89.8	74.2	93.9	94.0	-----	111.3	93.2	82.5	56.3	73.3	77.8	-----
September.....	111.4	98.9	91.1	80.4	97.8	88.2	-----	114.4	96.0	80.8	61.8	77.6	74.0	-----
October.....	110.6	96.5	88.0	82.3	97.2	95.1	-----	114.2	93.0	77.6	63.6	77.3	79.6	-----
November.....	107.1	92.7	84.2	79.9	92.2	92.4	-----	107.4	87.4	73.0	59.2	72.1	76.6	-----
December.....	104.0	90.1	83.0	77.8	89.1	92.7	-----	105.8	86.5	72.5	56.9	70.1	79.5	-----
Average..	106.1	97.4	88.2	77.9	85.6	92.7	<sup>1</sup> 93.8	109.6	96.2	81.7	61.6	64.6	76.8	<sup>2</sup> 81.9

<sup>1</sup> Includes the following groups of manufacturing industries: Iron and steel; machinery; transportation equipment; railroad repair shops; nonferrous metals; lumber and allied products; and stone, clay, and glass products.

<sup>2</sup> Average for 4 months.

<sup>3</sup> Includes remaining groups of manufacturing industries not shown under footnote 1.

**Estimated Number of Wage Earners and Total Weekly Pay Rolls**

THE adjustment of the Bureau's indexes of factory employment and pay rolls to conform with the trend shown by census totals through 1931 makes possible more accurate estimates each month of the number of wage earners and the total pay rolls in the manufacturing industries. Thus, the general employment index of 82.4 for April means that there were an estimated 6,906,100 workers on jobs in factories in that month. The corresponding pay-roll index, 70.8, represents an estimated weekly wage disbursement of \$144,075,000.

The estimated number of wage earners and amount of weekly pay rolls in all manufacturing industries combined and in the 14 major groups and the 2 textile subgroups into which these manufacturing industries have been classified are shown in table 4. This table gives the average number of wage earners and weekly pay rolls for the index base period, 1923-25, for the years 1929 to 1934, inclusive, and for the months January through April 1935. These estimates have been computed by multiplying the weighting factors 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 the 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 have been adjusted to include all groups. The estimated total employment and weekly pay rolls combined for all manufacturing industries 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 4.—Estimated Number of Wage Earners and Weekly Wages in All Manufacturing Industries Combined and in Industry Groups

Year and month	Total manufacturing		Iron and steel and their products		Machinery, not including transportation equipment	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls	Employment	Weekly pay rolls
1923-25 average.....	8,381,700	\$203,476,000	859,100	\$24,658,000	878,100	\$23,655,000
1929.....	8,785,600	221,937,000	881,000	26,568,000	1,105,700	31,761,000
1930.....	7,668,400	180,507,000	766,200	21,126,000	918,700	24,197,000
1931.....	6,484,300	137,256,000	598,400	13,562,000	687,000	15,135,000
1932.....	5,374,200	93,757,000	458,100	7,104,000	494,600	8,546,000
1933.....	5,778,400	98,623,000	503,400	8,925,000	517,100	8,975,000
1934.....	6,600,100	126,012,000	592,800	12,074,000	682,200	13,525,000
1935: January.....	6,595,700	130,503,000	582,500	12,798,000	699,000	14,382,000
February.....	6,809,000	140,618,000	607,400	14,548,000	720,000	15,163,000
March.....	6,906,300	143,927,000	616,800	14,622,000	738,500	15,825,000
April.....	6,906,100	144,075,000	620,300	14,647,000	747,300	15,991,000

Year and month	Transportation equipment		Railroad repair shops		Nonferrous metals and their products	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls	Employment	Weekly pay rolls
1923-25 average.....	563,500	\$17,214,000	482,100	\$13,563,000	282,600	\$7,329,000
1929.....	583,200	18,136,000	398,200	12,255,000	(1)	(1)
1930.....	451,800	12,076,000	353,800	10,316,000	(1)	(1)
1931.....	373,800	9,008,000	309,000	8,366,000	209,000	4,622,000
1932.....	315,700	7,012,000	257,400	5,793,000	164,200	2,865,000
1933.....	305,600	6,799,000	250,600	5,652,000	175,200	3,039,000
1934.....	467,200	11,800,000	267,400	6,528,000	210,000	4,105,000
1935: January.....	520,700	13,668,000	248,800	5,941,000	214,500	4,280,000
February.....	568,600	16,302,000	255,000	6,510,000	223,800	4,647,000
March.....	583,800	16,904,000	258,400	6,727,000	227,500	4,735,000
April.....	590,500	17,679,000	255,000	6,876,000	228,600	4,720,000

Year and month	Lumber and allied products		Stone, clay, and glass products		Textiles and their products	
					Fabrics	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls	Employment	Weekly pay rolls
1923-25 average.....	918,400	\$18,523,000	350,300	\$8,878,000	1,105,600	\$20,368,000
1929.....	876,500	18,062,000	328,500	8,323,000	1,095,900	20,251,000
1930.....	699,400	13,464,000	280,800	6,823,000	950,400	16,167,000
1931.....	516,900	8,641,000	222,800	4,789,000	886,700	14,308,000
1932.....	377,800	4,656,000	156,000	2,588,000	794,100	10,367,000
1933.....	406,100	4,900,000	157,500	2,455,000	952,600	12,664,000
1934.....	447,400	6,062,000	185,000	3,153,000	989,300	14,448,000
1935: January.....	432,600	5,572,000	165,300	2,805,000	1,059,200	16,742,000
February.....	453,700	6,446,000	173,700	3,090,000	1,074,600	17,211,000
March.....	464,700	6,724,000	180,400	3,200,000	1,065,800	16,967,000
April.....	474,800	6,946,000	186,400	3,489,000	1,031,500	15,887,000

<sup>1</sup> Comparable data not available.

Table 4.—Estimated Number of Wage Earners and Weekly Wages in All Manufacturing Industries Combined and in Industry Groups—Continued

Year and month	Textiles and their products—Continued				Leather and its manufactures	
	Wearing apparel		Group		Employment	Weekly pay rolls
	Employment	Weekly pay rolls	Employment	Weekly pay rolls		
1923-25 average.....	474, 100	\$10, 336, 000	1, 629, 400	\$31, 676, 000	323, 500	\$6, 986, 000
1929.....	536, 700	11, 476, 000	1, 706, 900	33, 321, 000	318, 600	6, 915, 000
1930.....	497, 700	9, 680, 000	1, 513, 000	27, 115, 000	295, 100	5, 748, 000
1931.....	472, 000	8, 338, 000	1, 421, 000	23, 799, 000	272, 800	5, 035, 000
1932.....	401, 800	5, 733, 000	1, 250, 300	16, 947, 000	255, 500	4, 060, 000
1933.....	418, 100	5, 757, 000	1, 432, 700	19, 394, 000	269, 400	4, 394, 000
1934.....	432, 100	6, 992, 000	1, 485, 900	22, 564, 000	284, 000	5, 164, 000
1935: January.....	423, 800	6, 884, 000	1, 551, 200	24, 866, 000	285, 700	5, 337, 000
February.....	458, 900	8, 217, 000	1, 603, 300	26, 766, 000	296, 300	5, 763, 000
March.....	480, 700	9, 147, 000	1, 616, 400	27, 495, 000	299, 900	5, 875, 000
April.....	482, 600	8, 930, 000	1, 583, 800	26, 101, 000	296, 000	5, 528, 000

Year and month	Food and kindred products		Tobacco manufactures		Paper and printing	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls	Employment	Weekly pay rolls
1923-25 average.....	668, 300	\$15, 240, 000	138, 400	\$2, 225, 000	531, 100	\$14, 865, 000
1929.....	753, 500	17, 344, 000	116, 100	1, 819, 000	591, 500	17, 771, 000
1930.....	731, 100	16, 593, 000	108, 300	1, 617, 000	574, 100	17, 036, 000
1931.....	650, 500	14, 173, 000	99, 700	1, 336, 000	511, 800	14, 461, 000
1932.....	577, 100	11, 308, 000	88, 600	1, 052, 000	451, 700	11, 126, 000
1933.....	631, 000	11, 604, 000	82, 700	944, 000	458, 400	10, 299, 000
1934.....	711, 700	14, 080, 000	86, 700	1, 049, 000	503, 700	11, 829, 000
1935: January.....	630, 700	12, 696, 000	78, 200	923, 000	507, 700	12, 397, 000
February.....	627, 000	12, 717, 000	79, 300	908, 000	513, 600	12, 501, 000
March.....	619, 300	12, 648, 000	80, 000	986, 000	514, 600	12, 561, 000
April.....	632, 700	13, 030, 000	78, 600	959, 000	514, 600	12, 576, 000

Year and month	Chemicals and allied products		Rubber products	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls
1923-25 average.....	333, 000	\$8, 321, 000	134, 300	\$3, 468, 000
1929.....	384, 800	10, 068, 000	149, 100	3, 986, 000
1930.....	364, 700	9, 334, 000	115, 600	2, 934, 000
1931.....	316, 800	7, 643, 000	99, 200	2, 165, 000
1932.....	279, 700	5, 861, 000	87, 800	1, 555, 000
1933.....	315, 400	6, 179, 000	99, 300	1, 740, 000
1934.....	361, 600	7, 437, 000	111, 300	2, 207, 000
1935: January.....	361, 000	7, 620, 000	109, 900	2, 407, 000
February.....	364, 300	7, 751, 000	111, 500	2, 493, 000
March.....	375, 400	7, 987, 000	111, 900	2, 448, 000
April.....	371, 300	7, 980, 000	110, 800	2, 469, 000



## Trade, Public Utility, Mining, and Service Industries

GAINS in employment from March to April were shown in 11 of the 16 trade, public-utility, mining, and service industries which are surveyed each month by the Bureau of Labor Statistics, while increases in pay rolls were shown in 8. The changes, for the most part, followed the usual seasonal pattern. Reports from 54,543 retail-trade establishments employing 879,495 workers in April 1935 showed gains over March in employment and pay rolls of 4.2 percent and 3.5 percent, respectively. These changes represent the reemployment of more than 131,000 workers and an increase of over \$1,900,000 in the weekly wage bill. The general merchandising group of retail-trade establishments showed seasonal gains of 6.5 percent in employment and 4.6 percent in pay rolls, while the remaining 50,985 establishments in other fields of retail trade showed smaller gains, 3.5 percent in employment and 3.1 percent in pay rolls. On the other hand, reports in April from 16,820 wholesale-trade establishments with 296,015 workers indicated decreases from March of 1 percent in employment and 0.6 percent in pay rolls, this being due largely to seasonal recessions among wholesalers of leaf tobacco and packers and shippers of fruit and vegetables. Expressed in concrete numbers, these percentages represent 12,800 fewer workers and \$231,000 less in weekly wages. Bituminous coal mines also showed a seasonal falling off in number of workers and weekly wages, the decreases being 9 percent in employment, or more than 33,000 wage earners, and 33.3 percent in pay rolls, or nearly \$2,500,000. In the aggregate, the 16 industries combined had 97,400 more workers on their rolls in April than in March, but their weekly pay rolls were almost \$800,000 less.

Table 5 shows indexes of employment and pay rolls, per capita weekly earnings, average hours worked per week, and average hourly earnings in April for 13 of these industries, together with percentage changes from March 1935 and April 1934. Man-hour data and indexes of employment and pay rolls are not available for banking, brokerage, and insurance establishments, but the table shows percentage changes in employment, pay rolls, and per capita weekly earnings for these three industries.

The publication of figures concerning employment in real-estate establishments has been discontinued until a considerable increase in coverage can be effected.

Table 5.—Employment, Pay Rolls, Hours, and Earnings, April 1935

Industry	Employment			Pay roll			Per capita weekly earnings <sup>1</sup>			Average hours worked per week <sup>1</sup>			Average hourly earnings <sup>1</sup>			
	Index April 1935 (average 1929=100)	Percentage change from—		Index April 1935 (average 1929=100)	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—		Average in April 1935	Percentage change from—		
		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934		March 1935	April 1934	March 1935
Coal mining:																
Anthracite.....	52.6	+2.3	-9.6	49.9	+28.1	-3.5	\$27.64	+25.1	+6.9	34.0	+25.0	-0.4	<i>Cents</i>	82.5	+1.4	+2.6
Bituminous.....	74.3	-9.0	+2.9	45.0	-33.3	-12.5	15.58	-26.6	-14.9	21.4	-29.4	-19.1		73.2	+3.0	+7.0
Metalliferous mining.....	46.0	+2.3	+10.3	31.8	+3.1	+16.9	22.42	+8	+6.0	37.8	-8	(?)		58.5	+1.6	+5.5
Quarrying and nonmetallic mining.....	45.3	+11.8	-7.0	28.9	+15.9	-3.3	16.08	+3.6	+3.9	33.5	+1.8	-1.0		47.9	+1.5	+4.3
Crude petroleum producing.....	74.9	+1.1	+1.2	56.7	+1.2	+6.2	29.27	+1	+4.8	35.5	+1.1	-1.7		78.6	-2.0	+3.9
Public utilities:																
Telephone and telegraph.....	69.7	-2	-7	73.1	-3.0	+6.3	27.80	-2.8	+7.0	38.1	-1.0	+2.1		75.0	-1.8	+7.8
Electric light and power and manufactured gas.....	82.6	+4	+2	79.0	-6	+2.9	30.39	-1.0	+2.6	39.4	-8	+6		77.2	(?)	+4.0
Electric-railroad and motor-bus operation and maintenance.....	71.4	+2	-1.1	63.3	-2	+6	28.17	-4	+1.8	45.3	(?)	-2.6		61.4	-2	+3.9
Trade:																
Wholesale.....	83.2	-1.0	+1.3	64.8	-6	+2.7	26.97	+4	+1.3	41.1	(?)	+7		65.6	+6	-7
Retail.....	83.6	+4.2	+1.3	62.5	+3.5	+2.1	20.25	-1.0	+8	41.1	-2	+3.0		52.6	-4	+1.0
General merchandising.....	94.5	+6.5	+3.8	77.5	+4.6	+4.7	17.55	-1.7	+9	38.2	+3	-1.5		47.3	-2.1	+2.3
Other than general merchandising.....	80.7	+3.5	+5	59.4	+3.1	+1.5	22.30	-3	+1.0	42.0	-2	+4.1		54.2	+2	+7
Hotels (cash payments only) <sup>2</sup> .....	85.5	-1.1	-1.3	67.1	-1.6	+9	13.64	-6	+2.2	47.8	-1.0	+6		28.0	+4	-1
Laundries.....	80.0	+4	-6	65.5	+1.4	+1.7	15.53	+9	+2.4	40.5	+2	+2.8		36.8	+8	-1.1
Dyeing and cleaning.....	79.9	+10.2	(?)	61.9	+15.7	+1.8	18.81	+5.0	+1.8	42.3	+2.7	+1.1		44.5	+2.3	+1.3
Banks.....	(*)	+2	+1.0	(*)	+3	+1.1	31.77	+1	(*)	(*)	(*)	(*)		(*)	(*)	(*)
Brokerage.....	(*)	-1.2	-24.5	(*)	-1.1	-27.6	34.55	+1	-4.1	(*)	(*)	(*)		(*)	(*)	(*)
Insurance.....	(*)	+2	+6	(*)	-1.6	+1.5	36.38	-1.9	+9	(*)	(*)	(*)		(*)	(*)	(*)

<sup>1</sup> 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.

<sup>2</sup> No change.

<sup>3</sup> The additional value of board, room, and tips cannot be computed.

<sup>4</sup> Not available.

Indexes of Employment and Pay Rolls in Trade, Public Utility, Mining, and Service Industries

INDEXES of employment and pay rolls in 13 trade, public utility, mining, and service industries and 2 subdivisions under retail trade are presented by months, January 1932 to April 1935, in table 6.

The indexes for wholesale and retail trade have recently been revised to conform with the trends indicated by the 1929 and 1933 census averages. The indexes for "total retail trade" have been computed by weighting the indexes of the two subgroups, "general merchandising" and "other than general merchandising."

Table 6.—Indexes of Employment and Pay Rolls, January 1932 to April 1935

Month	Anthracite mining								Bituminous-coal mining							
	Employment				Pay rolls				Employment				Pay rolls			
	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935
January	76.2	52.5	64.1	62.9	61.5	43.2	73.2	57.5	80.8	69.8	75.8	80.0	47.0	36.1	51.3	59.6
February	71.2	58.7	63.2	64.4	57.3	56.8	65.8	64.3	77.4	69.3	76.1	81.1	47.0	37.2	54.6	66.1
March	73.7	54.6	67.5	51.4	61.2	48.8	82.4	38.9	75.2	67.6	77.8	81.6	46.8	30.7	58.9	67.5
April	70.1	51.6	58.2	52.6	72.0	37.4	51.7	49.9	65.5	63.7	72.2	74.3	33.9	26.6	51.4	45.0
May	66.9	43.2	63.8	---	58.0	30.0	64.0	---	62.6	61.2	76.7	---	30.7	26.9	54.4	---
June	53.0	39.5	57.5	---	37.4	34.3	53.3	---	60.5	61.3	76.7	---	27.3	29.2	55.1	---
July	44.5	43.8	53.6	---	34.5	38.2	42.3	---	58.6	63.2	77.0	---	24.4	33.6	49.7	---
August	49.2	47.7	49.5	---	41.4	46.6	39.7	---	59.4	68.6	77.1	---	26.4	43.3	50.4	---
September	55.8	56.8	56.9	---	47.0	60.7	47.0	---	62.4	71.8	78.2	---	30.2	44.1	51.4	---
October	63.9	56.9	58.5	---	66.7	61.6	48.3	---	67.0	68.0	79.3	---	37.8	44.1	57.6	---
November	62.7	61.0	60.7	---	51.0	47.8	51.2	---	69.4	74.8	79.8	---	38.0	50.7	58.3	---
December	62.3	54.5	61.6	---	56.2	44.3	52.3	---	70.0	75.4	79.7	---	37.7	50.8	57.0	---
Average	62.5	51.7	59.6	57.8	53.7	45.8	55.9	52.7	67.4	67.9	77.2	79.3	35.6	37.8	54.2	59.6
	Metalliferous mining								Quarrying and nonmetallic mining							
January	49.3	32.4	39.6	44.3	29.7	18.1	25.4	30.1	48.9	35.1	39.7	36.9	30.2	18.1	21.3	20.8
February	46.9	31.5	40.3	44.3	27.8	17.8	26.0	29.9	47.4	34.8	38.8	37.3	29.6	17.4	21.0	22.2
March	45.0	30.0	39.8	45.0	26.5	17.4	25.9	30.9	46.0	35.1	42.0	40.5	28.7	17.8	24.1	24.9
April	43.3	29.4	41.7	46.0	25.0	16.4	27.2	31.8	48.6	39.3	48.7	45.3	30.0	20.2	29.9	23.9
May	38.3	30.0	40.8	---	23.8	17.0	25.6	---	50.6	43.4	54.3	---	32.3	23.8	35.0	---
June	32.2	31.5	41.0	---	20.1	18.3	26.7	---	49.5	47.3	56.6	---	30.0	27.5	37.0	---
July	29.5	33.0	39.9	---	16.9	19.0	25.1	---	49.5	49.5	55.6	---	29.1	28.4	35.0	---
August	28.6	36.8	42.7	---	16.5	21.9	27.0	---	51.1	51.6	54.7	---	29.7	29.9	34.0	---
September	29.3	38.9	42.3	---	17.0	23.9	25.9	---	52.4	52.6	53.3	---	30.5	29.3	32.4	---
October	30.5	40.7	43.3	---	18.0	25.9	28.2	---	52.4	53.2	51.8	---	31.0	31.2	32.1	---
November	31.9	40.6	43.2	---	18.7	25.6	28.5	---	49.4	51.1	49.5	---	27.1	28.3	29.4	---
December	33.3	40.6	44.4	---	18.7	26.2	29.4	---	42.3	45.3	42.1	---	22.1	24.4	23.6	---
Average	36.5	34.6	41.6	44.9	21.6	20.6	26.7	30.7	49.0	44.9	48.9	40.0	29.1	24.7	29.6	32.2
	Crude-petroleum producing								Telephone and telegraph							
January	54.9	57.2	73.2	74.9	46.5	39.9	53.0	55.5	83.0	74.6	70.2	70.5	89.1	71.7	69.0	73.9
February	54.4	57.0	72.4	74.2	46.9	41.7	50.5	54.9	82.0	73.9	69.8	70.0	89.6	71.9	67.9	72.9
March	51.4	56.5	72.8	74.0	43.2	42.5	52.5	56.0	81.7	73.2	70.0	69.8	88.2	71.6	70.4	75.3
April	54.9	56.8	74.0	74.9	44.5	40.1	53.4	56.7	81.2	72.3	70.2	69.7	83.4	67.8	68.8	73.1
May	54.5	56.9	76.7	---	47.1	41.6	56.4	---	80.6	70.1	70.2	---	82.8	68.5	71.4	---
June	54.2	58.0	80.0	---	44.8	40.6	56.9	---	79.9	69.2	70.4	---	82.1	66.6	71.3	---
July	55.4	59.5	81.6	---	44.6	42.2	60.0	---	79.1	68.5	71.0	---	79.6	66.7	72.3	---
August	57.4	60.8	82.7	---	42.9	42.5	61.2	---	78.1	68.1	71.0	---	79.1	66.1	74.0	---
September	56.2	66.2	81.8	---	41.9	44.4	59.7	---	77.4	68.3	70.9	---	75.9	64.6	72.2	---
October	56.8	70.6	79.5	---	42.5	50.1	60.8	---	76.2	68.2	70.3	---	75.7	67.0	74.9	---
November	56.5	72.2	78.8	---	42.4	50.3	59.0	---	75.5	68.9	69.9	---	74.3	67.7	72.2	---
December	57.2	75.0	78.7	---	41.7	53.2	59.5	---	74.8	69.4	69.7	---	73.5	67.7	73.2	---
Average	55.3	62.2	77.7	74.5	44.1	44.1	56.9	55.8	79.1	70.4	70.3	70.0	81.1	68.2	71.5	73.8

<sup>1</sup> Average for 4 months.

Table 6.—Indexes of Employment and Pay Rolls, January 1932 to April 1935—Continued

Month	Electric light and power and manufactured gas								Electric-railroad and motor-bus operation and maintenance <sup>1</sup>							
	Employment				Pay rolls				Employment				Pay rolls			
	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935
January.....	89.3	77.7	82.2	82.7	88.4	73.0	73.8	78.0	79.5	70.6	70.5	71.2	75.4	60.9	59.2	62.9
February.....	87.2	77.4	81.2	82.2	86.0	71.6	74.4	78.3	78.9	70.4	71.0	71.0	74.8	60.6	60.1	63.1
March.....	85.5	76.9	81.7	82.2	85.4	71.9	75.6	79.4	77.6	69.8	71.7	71.3	73.6	59.4	62.2	63.4
April.....	84.8	76.9	82.4	82.6	82.4	69.4	76.8	79.0	78.0	69.5	72.2	71.4	71.8	58.1	62.9	63.3
May.....	84.0	76.9	83.1	-----	84.2	69.9	77.6	-----	76.9	69.1	72.6	-----	72.2	58.2	63.0	-----
June.....	83.2	77.3	84.0	-----	80.5	69.9	77.8	-----	76.5	69.3	73.2	-----	70.2	58.0	63.2	-----
July.....	82.3	77.5	85.0	-----	78.7	70.0	81.1	-----	75.6	69.4	73.1	-----	66.4	57.4	63.8	-----
August.....	81.5	78.1	85.6	-----	76.7	70.9	79.9	-----	74.1	69.5	72.8	-----	63.8	58.2	62.8	-----
September.....	81.0	80.3	85.8	-----	74.7	71.8	79.3	-----	73.5	69.7	72.5	-----	62.5	57.8	62.4	-----
October.....	79.9	82.2	85.8	-----	74.4	76.2	80.6	-----	72.3	70.6	72.2	-----	61.5	59.8	63.0	-----
November.....	79.1	82.6	85.5	-----	73.2	74.5	79.6	-----	71.8	71.0	71.8	-----	61.7	59.4	61.8	-----
December.....	78.4	81.8	83.6	-----	73.2	74.4	78.3	-----	71.4	70.8	71.0	-----	61.9	59.6	62.3	-----
Average.....	83.0	78.8	83.8	82.4	79.8	72.0	77.9	78.7	75.5	70.0	72.1	71.2	68.0	58.9	62.2	63.2
	Wholesale trade								Total retail trade							
January.....	80.7	73.6	80.6	84.2	71.8	58.3	60.3	63.9	80.3	72.1	79.8	79.5	71.9	54.7	59.0	59.7
February.....	79.7	72.4	81.2	84.6	70.1	55.1	61.0	64.6	78.3	70.4	79.6	79.2	69.1	51.8	53.8	59.3
March.....	78.6	71.3	81.8	84.0	68.8	53.5	62.0	65.2	78.6	68.9	81.5	80.2	68.5	49.0	59.8	60.4
April.....	77.6	71.5	82.1	83.2	66.3	52.4	63.1	64.8	78.7	73.3	82.5	83.6	67.7	52.0	61.2	62.8
May.....	76.6	72.2	82.8	-----	67.1	53.8	62.6	-----	77.2	72.1	82.9	-----	65.5	51.3	61.5	-----
June.....	75.6	73.9	82.3	-----	63.5	52.7	62.6	-----	76.3	73.2	82.9	-----	62.7	52.2	61.4	-----
July.....	75.2	75.1	82.2	-----	61.9	55.5	63.8	-----	73.1	71.0	79.5	-----	59.2	51.0	60.1	-----
August.....	74.9	77.9	82.5	-----	60.3	57.2	62.7	-----	71.8	75.4	77.8	-----	56.9	54.9	58.4	-----
September.....	75.6	80.3	83.5	-----	60.1	58.7	63.6	-----	74.2	80.6	81.7	-----	58.3	53.7	60.6	-----
October.....	78.2	81.7	84.3	-----	60.8	62.4	64.5	-----	76.3	83.3	82.6	-----	59.7	61.6	61.9	-----
November.....	76.0	81.6	85.1	-----	60.1	60.5	64.2	-----	75.4	83.9	83.7	-----	58.6	61.4	61.9	-----
December.....	75.4	81.5	85.0	-----	59.3	60.9	64.8	-----	80.9	89.1	91.1	-----	60.4	64.0	66.2	-----
Average.....	76.8	76.1	82.8	84.0	64.2	56.8	63.0	64.6	76.8	76.1	82.1	80.6	63.2	55.2	60.9	60.5
	Retail trade—general merchandising								Retail trade—other than general merchandising							
January.....	84.8	76.4	86.6	87.3	78.1	61.4	71.1	73.5	79.1	71.0	78.0	77.4	70.6	53.3	56.5	56.9
February.....	81.2	73.0	85.0	86.2	73.1	57.1	68.9	72.3	77.6	69.7	78.2	77.3	68.3	50.7	56.7	56.6
March.....	82.6	70.7	90.1	88.7	73.1	53.4	71.5	74.1	77.5	68.4	79.3	78.0	67.5	48.1	57.4	57.6
April.....	82.7	80.7	91.0	94.5	72.3	60.8	74.0	77.5	77.6	71.3	80.3	80.7	66.7	50.2	58.5	59.4
May.....	82.1	78.5	92.0	-----	70.6	59.3	74.5	-----	75.9	70.4	80.5	-----	64.5	49.7	53.8	-----
June.....	80.3	79.9	90.6	-----	67.6	60.6	73.9	-----	75.2	71.5	80.5	-----	61.7	50.5	58.8	-----
July.....	74.1	74.7	83.0	-----	61.3	56.4	69.5	-----	72.8	70.0	77.9	-----	58.8	49.9	58.2	-----
August.....	71.5	78.4	81.2	-----	58.5	62.4	69.5	-----	71.9	74.6	76.9	-----	56.6	53.4	56.6	-----
September.....	78.7	89.0	91.5	-----	64.3	71.8	74.0	-----	73.0	78.4	79.1	-----	57.1	56.0	57.8	-----
October.....	83.7	93.6	94.2	-----	67.7	75.3	77.3	-----	74.3	80.6	79.5	-----	58.1	58.8	58.7	-----
November.....	84.6	97.0	99.9	-----	67.9	76.1	80.2	-----	73.0	80.4	79.5	-----	56.7	58.3	58.7	-----
December.....	104.7	118.9	128.4	-----	79.2	90.1	99.0	-----	74.6	81.3	81.3	-----	56.5	58.6	59.4	-----
Average.....	82.6	84.2	92.8	89.2	69.5	65.4	75.1	74.4	75.2	74.0	79.2	78.4	61.9	53.1	58.0	57.6

<sup>1</sup> Average for 4 months.<sup>2</sup> Not including electric-railroad car building and repairing; see transportation equipment and railroad, repair-shop groups, manufacturing industries, table 1.

Table 6.—Indexes of Employment and Pay Rolls, January 1932 to April 1935—  
Continued

Month	Hotels								Laundries							
	Employment				Pay rolls				Employment				Pay rolls			
	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935
January.....	83.2	73.8	81.5	85.4	73.9	55.7	60.8	66.0	88.2	78.6	78.5	79.6	80.0	60.7	61.7	63.9
February.....	84.3	73.8	84.8	86.7	73.9	55.9	65.2	67.8	86.3	77.5	78.4	79.6	76.7	58.1	61.7	64.1
March.....	84.0	72.4	86.4	86.5	72.4	53.5	60.6	68.2	85.4	76.1	79.2	79.7	75.0	55.4	62.7	64.6
April.....	82.7	71.9	86.6	85.5	69.6	51.7	60.5	67.1	85.4	76.5	80.5	80.0	74.7	56.6	64.4	65.5
May.....	80.1	71.9	85.7	-----	67.0	51.8	65.9	-----	84.8	76.6	82.1	-----	73.9	57.1	66.9	-----
June.....	78.0	73.6	86.2	-----	63.8	52.3	66.2	-----	84.4	79.2	84.0	-----	71.8	59.4	68.3	-----
July.....	78.4	75.6	86.3	-----	61.8	53.3	65.6	-----	83.6	79.5	84.6	-----	69.4	58.7	68.2	-----
August.....	77.6	77.1	86.2	-----	59.6	54.0	64.5	-----	82.2	81.1	83.7	-----	66.9	60.3	66.6	-----
September.....	77.0	78.7	84.4	-----	59.1	55.6	64.3	-----	81.9	82.6	82.9	-----	65.8	63.5	65.9	-----
October.....	75.4	77.0	84.2	-----	58.6	56.2	65.3	-----	80.7	81.3	81.7	-----	64.1	62.5	64.8	-----
November.....	74.3	75.8	83.7	-----	57.5	55.2	64.9	-----	79.4	78.4	80.3	-----	61.9	60.7	63.7	-----
December.....	73.2	77.6	83.3	-----	56.6	57.6	64.9	-----	79.1	78.4	79.5	-----	61.4	61.1	63.3	-----
Average.....	79.0	74.9	84.9	86.0	64.5	54.4	65.1	67.3	83.5	78.8	81.3	79.7	70.1	59.5	64.9	64.5
	Dyeing and cleaning															
January.....	75.8	67.4	68.1	70.3	62.4	44.2	46.8	50.4	-----	-----	-----	-----	-----	-----	-----	-----
February.....	74.4	65.6	68.1	69.6	59.0	40.2	46.3	49.8	-----	-----	-----	-----	-----	-----	-----	-----
March.....	74.4	65.8	72.4	72.5	58.5	38.9	51.7	53.5	-----	-----	-----	-----	-----	-----	-----	-----
April.....	76.9	74.9	79.9	79.9	62.5	51.7	60.8	61.9	-----	-----	-----	-----	-----	-----	-----	-----
May.....	78.0	75.7	84.3	-----	63.8	51.0	65.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
June.....	78.6	79.1	84.9	-----	62.4	53.7	64.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
July.....	76.1	76.6	80.5	-----	56.9	50.0	58.9	-----	-----	-----	-----	-----	-----	-----	-----	-----
August.....	73.4	76.8	78.6	-----	53.4	50.0	56.7	-----	-----	-----	-----	-----	-----	-----	-----	-----
September.....	76.9	81.9	80.0	-----	57.9	57.1	59.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
October.....	76.0	81.6	80.3	-----	55.8	57.4	59.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
November.....	72.0	76.1	75.8	-----	49.6	52.5	53.9	-----	-----	-----	-----	-----	-----	-----	-----	-----
December.....	69.5	70.5	72.4	-----	45.9	47.3	51.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Average.....	75.2	74.3	77.1	73.1	57.3	49.5	56.1	53.9	-----	-----	-----	-----	-----	-----	-----	-----

<sup>1</sup> Average for 4 months.

### Employment in Building Construction

REPORTS from 10,395 firms engaged on public projects not financed from Public Works Administration funds and in private building construction show that in April 1935 employment increased 11 percent and pay rolls increased 12.1 percent compared with the previous month. In comparison with the corresponding month of last year, employment in April shows a decrease of 0.6 percent and pay rolls an increase of 1.4 percent.

In April the weekly pay roll for 77,025 workers amounted to \$1,771,815 as compared with \$1,580,222 earned by 69,366 workers employed by the same contractors in March. The average weekly earnings were \$23 in April and \$22.78 in March. These are per capita weekly earnings, computed by dividing the total amount of the weekly pay roll by the total number of employees—part-time as well as full-time.

Reports from 10,001 firms, 96.2 percent of the 10,395 cooperating firms, show that in April 71,318 men worked 2,025,584 hours and earned \$1,660,780 as compared with \$1,471,900 earned in 1,775,552 hours by 64,350 workers employed by the identical firms in March. The average hours per week were 28.4 in April and 27.6 in March.

Average hourly earnings amounted to 82 cents in April and 82.9 cents in March. For all localities covered in the survey these averages are computed from the reports of those firms which included man-hour data.

Table 7 summarizes the replies of the 10,395 firms which reported to the Bureau of Labor Statistics in April. Workers of all trades engaged for erecting, altering, or repairing buildings are included in the table. Work on roads, bridges, and docks is omitted. This survey covers building operations in various localities in 34 States and the District of Columbia.

Table 7.—Employment, Pay Rolls, Hours, and Earnings in the Building-Construction Industry, April 1935

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

Locality	Number of firms reporting	Employment		Pay rolls		Average weekly earnings		Average hours per week per man <sup>1</sup>		Average hourly earnings <sup>1</sup>	
		Number April 1935	Percentage change from March 1935	Amount April 1935	Percentage change from March 1935	Amount April 1935	Percentage change from March 1935	Number April 1935	Percentage change from March 1935	April 1935	Percentage change from March 1935
All localities.....	10,395	77,025	+11.0	<i>1,771,815</i>	+12.1	<i>23.00</i>	+1.0	28.4	+2.9	<i>82.0</i>	-1.1
Alabama: Birmingham.....	79	409	-11.7	7,327	-6.7	17.91	+5.6	27.8	-4	64.4	+4.0
California:											
Los Angeles.....	80	735	+5.7	<i>16,645</i>	+8.7	<i>21.20</i>	+4.7	29.7	-5	71.4	+5.8
San Francisco-Oakland.....	26	827	+12.1	<i>19,794</i>	+15.6	<i>23.93</i>	+5.1	27.5	-2.5	87.1	+6.0
Other localities.....	80	544	+43.2	<i>10,580</i>	+74.6	<i>19.08</i>	+17.8	23.7	+12.9	80.5	+4.1
The State.....	66	<i>2,166</i>	+15.8	<i>46,819</i>	+21.9	<i>21.72</i>	+5.3	27.5	-4	79.5	+5.9
Colorado: Denver.....	185	595	+9.0	12,366	+10.8	20.78	+1.7	27.2	+8.8	76.2	-3.8
Connecticut:											
Bridgeport.....	119	413	+14.7	9,138	+8.0	22.13	-5.9	28.4	+3.5	75.2	-9.2
Hartford.....	248	792	+13.6	17,319	+12.9	21.87	-6	30.3	+3.4	71.7	-4.0
New Haven.....	142	655	+13.7	15,122	+11.2	23.09	-2.2	30.3	+3	70.4	-2.4
The State.....	509	1,860	+13.9	41,579	+11.2	22.35	-2.4	30.1	+2.4	74.1	-4.6
Delaware: Wilmington.....	97	1,054	+35.5	23,321	+46.8	22.13	+8.4	31.2	+9.9	71.0	-1.4
District of Columbia.....	412	3,819	+8.6	95,002	+10.2	24.88	+1.4	30.0	+5.3	82.9	-3.7
Florida:											
Jacksonville.....	39	175	+6.7	3,136	+8.3	17.92	+1.5	29.3	+4.3	61.2	-2.5
Miami.....	65	678	+8.1	13,645	+6	20.13	-6.9	28.2	-3.1	71.5	-3.9
The State.....	104	853	+7.8	16,781	+2.0	19.67	-5.4	28.4	-1.7	69.3	-3.9
Georgia: Atlanta.....	123	820	+6.9	14,141	+10.0	17.25	+2.9	27.7	-1.8	61.6	+3.4
Illinois:											
Chicago.....	127	<i>1,257</i>	+37.4	<i>31,022</i>	+35.8	<i>24.68</i>	-1.2	(2)	(2)	(2)	(2)
Other localities.....	103	<i>3,187</i>	+8.6	<i>53,550</i>	-12.2	<i>17.07</i>	-19.2	(2)	(2)	(2)	(2)
The State.....	230	<i>4,394</i>	+15.6	<i>84,572</i>	+9	<i>19.25</i>	-12.7	(2)	(2)	(2)	(2)

<sup>1</sup> Averages computed from reports furnished by 10,001 firms.

<sup>2</sup> Data not available.

Table 7.—Employment, Pay Rolls, Hours, and Earnings in the Building-Construction Industry, April 1935—Continued

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

Locality	Number of firms reporting	Employment		Pay rolls		Average weekly earnings		Average hours per week per man <sup>1</sup>		Average hourly earnings <sup>1</sup>	
		Number April 1935	Percentage change from March 1935	Amount April 1935	Percentage change from March 1935	Amount April 1935	Percentage change from March 1935	Number April 1935	Percentage change from March 1935	April 1935	Percentage change from March 1935
<b>Indiana:</b>				<i>Dollars</i>		<i>Dollars</i>				<i>Cents</i>	
Evansville.....	58	305	+13.8	6,584	+42.0	21.59	+24.9	29.2	+25.9	74.8	-0.1
Fort Wayne.....	70	209	+5.0	4,314	+12.3	20.64	+6.9	25.7	+2.4	80.4	+4.6
Indianapolis.....	135	945	+5.1	21,956	+10.3	23.23	+5.0	29.7	+6.8	78.3	-1.6
South Bend.....	32	137	+24.5	2,898	+38.7	21.15	+11.3	28.7	+14.3	73.7	-2.5
The State.....	295	1,596	+8.1	35,752	+17.4	22.40	+8.5	29.0	+9.8	77.5	-0.9
<b>Iowa: Des Moines.....</b>	81	432	+23.1	10,391	+33.9	24.05	+8.7	28.5	+4.4	84.9	+4.7
Kansas: Wichita.....	55	226	+6.1	4,579	+21.2	20.26	+14.2	27.5	+8.3	73.6	+5.4
Kentucky: Louisville.....	133	673	+8.2	13,591	+12.8	20.19	+4.2	29.2	+3.2	68.2	+1.0
Louisiana: New Orleans.....	116	888	+3.1	15,072	-2.9	16.97	-5.8	27.7	-2.8	61.4	-3.0
Maine: Portland.....	83	270	+35.7	5,401	+38.0	20.00	+1.7	26.5	+4.3	75.4	-2.7
Maryland: Baltimore.....	107	1,410	-7.1	27,484	+3.8	19.49	+11.7	27.7	+6.9	71.9	+4.7
Massachusetts: All localities.....	675	4,452	+11.7	105,667	+12.9	23.82	+1.0	28.9	+4.0	82.5	-2.7
<b>Michigan:</b>											
Detroit.....	471	4,210	+12.9	109,393	+5.4	25.98	-6.6	32.4	+3.3	80.0	-7.2
Flint.....	51	213	+70.4	3,804	+99.4	17.86	-6.6	26.3	+11.9	68.0	-11.1
Grand Rapids.....	103	368	+24.7	6,620	+23.6	17.99	-9.9	28.6	+1.8	63.0	-2.3
The State.....	625	4,791	+15.4	119,817	+7.5	25.01	-6.9	31.9	+3.3	78.4	-7.3
<b>Minnesota:</b>											
Duluth.....	50	184	-3.7	3,891	-2.0	21.15	+1.7	28.6	-2.4	74.3	+4.5
Minneapolis.....	190	907	+24.6	20,322	+35.9	22.41	+9.1	28.8	+6.7	77.7	+2.1
St. Paul.....	138	711	+7.9	16,136	+5.7	22.69	-2.0	28.3	-3.1	80.2	+6.6
The State.....	378	1,802	+14.2	40,349	+18.0	22.39	+3.3	28.6	+1.4	78.3	+1.6
<b>Missouri:</b>											
Kansas City <sup>2</sup> .....	234	1,204	+3.1	30,372	+3.9	25.23	+8.8	28.9	+4.0	87.6	-3.0
St. Louis.....	531	2,513	+4.3	65,345	+6.4	26.00	+2.0	26.7	+5.1	97.4	-2.9
The State.....	765	3,717	+3.9	95,717	+5.6	25.75	+1.6	27.4	+4.6	94.1	-2.8
<b>Nebraska: Omaha.....</b>	157	997	+34.9	21,503	+34.2	21.57	-5.5	30.5	+2.0	70.4	-2.5
<b>New York:</b>											
New York City.....	582	9,768	+8.1	291,310	+8.1	20.88	(*)	27.8	(*)	107.5	(*)
Other localities.....	351	6,085	+16.0	137,548	+16.2	22.60	+1.1	26.7	-7.7	84.6	+7.7
The State.....	913	15,851	+11.0	429,358	+10.6	27.09	-4.4	27.4	(*)	98.9	-1.1
<b>North Carolina: Charlotte.....</b>	46	311	+12.7	5,255	+27.7	16.90	-13.3	28.5	+7.5	59.3	+5.5
<b>Ohio:</b>											
Akron.....	82	346	+35.2	7,882	+52.9	22.78	+13.1	27.6	+14.0	82.5	-1.1
Cincinnati <sup>6</sup> .....	403	2,230	+28.9	55,030	+42.3	24.68	+10.4	29.8	+10.8	82.8	-2.2
Cleveland.....	610	2,252	+27.5	55,460	+26.3	24.63	-9.9	24.3	-1.6	101.4	+2.2
Dayton.....	142	461	+17.6	9,880	+18.7	21.43	+9.9	26.3	-4.4	81.4	+1.2
Youngstown.....	83	402	-1.7	10,463	+12.8	26.03	+14.8	26.3	+2.7	99.1	+12.1
The State.....	1,320	5,691	+25.0	138,715	+31.7	24.37	+5.3	27.0	+4.7	90.3	+4.4

<sup>1</sup> Averages computed from reports furnished by 10,001 firms.<sup>2</sup> Includes both Kansas City, Mo., and Kansas City, Kans.<sup>3</sup> Less than 1/10 of 1 percent increase.<sup>4</sup> No change.<sup>6</sup> Includes Covington and Newport, Ky.

Table 7.—Employment, Pay Rolls, Hours, and Earnings in the Building Construction Industry, April 1935—Continued

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

Locality	Number of firms reporting	Employment		Pay rolls		Average weekly earnings		Average hours per week per man <sup>1</sup>		Average hourly earnings <sup>1</sup>	
		Number April 1935	Percentage change from March 1935	Amount April 1935	Percentage change from March 1935	Amount April 1935	Percentage change from March 1935	Number April 1935	Percentage change from March 1935	April 1935	Percentage change from March 1935
<b>Oklahoma:</b>				<i>Dollars</i>		<i>Dollars</i>				<i>Cents</i>	
Oklahoma City.....	84	447	+8.0	8,984	+36.2	20.10	+26.2	27.2	+24.2	72.6	+1.3
Tulsa.....	47	213	+10.4	4,193	+18.3	19.69	+7.2	28.2	+6.0	69.7	+3.1
The State.....	131	660	+8.7	13,177	+30.0	19.97	+19.5	27.6	+17.9	71.6	+2.0
<b>Oregon: Portland.....</b>	158	867	+1.2	20,350	+12.9	23.47	+11.5	27.6	+10.4	85.1	+0.9
<b>Pennsylvania:<sup>7</sup></b>											
Erie area.....	21	221	+53.9	2,915	+48.7	13.18	+11.0	17.7	+22.9	71.7	-.6
Philadelphia area.....	349	2,722	+16.7	57,622	+21.6	21.17	+5.1	30.1	+6.4	72.1	+0.6
Pittsburgh area.....	191	1,245	+2.5	30,251	+2.0	24.50	-.4	27.0	-1.1	92.7	+2.1
Reading area.....	40	226	+44.9	4,176	+51.2	18.48	+4.4	29.3	+10.2	65.2	-5.0
Scranton area.....	29	134	+26.9	4,530	+59.1	23.53	+25.6	32.9	+18.8	72.7	+6.3
Other areas.....	255	1,966	+10.8	58,519	+15.2	19.59	+2.1	30.1	+1.7	64.5	+0.6
The State.....	885	6,564	+13.0	157,817	+16.3	21.00	+2.9	29.3	+4.3	72.9	(*)
<b>Rhode Island: Providence.....</b>	253	1,279	+16.4	25,942	+20.1	20.28	+3.2	27.6	+2.6	73.1	+0.3
<b>Tennessee:</b>											
Chattanooga.....	31	229	+10.1	2,962	+32.8	12.93	+20.5	23.0	+19.2	56.2	+1.1
Knoxville.....	36	372	+28.5	5,608	+19.3	15.08	-5.7	24.9	+4.6	60.5	-9.8
Memphis.....	72	336	+5.0	6,302	+22.4	19.02	+15.5	27.2	(*)	70.0	+15.3
Nashville.....	77	549	+35.6	7,800	+31.9	14.21	-2.7	26.8	+13.6	53.1	-14.1
The State.....	216	1,486	+21.4	22,762	+26.0	15.32	+3.8	25.8	+8.4	59.3	-4.2
<b>Texas:</b>											
Dallas.....	183	835	-6.7	15,743	-5.0	18.85	+1.8	29.1	+1.7	65.3	+0.6
El Paso.....	24	133	+8	2,260	+6.8	16.99	+6.0	24.8	+2.1	63.7	+4.1
Houston.....	167	1,151	-3.2	22,785	-5.1	19.80	-1.9	28.6	+4	69.5	-2.5
San Antonio.....	81	333	-12.8	5,543	+1.6	16.65	+16.6	29.4	+18.1	56.5	-1.4
The State.....	460	2,452	-5.6	46,331	-3.8	18.90	+2.0	28.7	+3.2	66.1	-1.2
<b>Utah: Salt Lake City.....</b>	67	223	+17.4	5,029	+26.3	22.55	+7.6	29.2	+7.7	77.1	-0.5
<b>Virginia:</b>											
Norfolk-Portsmouth.....	66	381	-5.7	6,800	+5	17.85	+6.6	27.0	+5.5	66.2	+1.2
Richmond.....	117	781	+5.8	14,474	-4	18.53	-5.8	28.7	-7	64.5	-5.3
The State.....	183	1,162	+1.8	21,274	-1	18.31	-1.8	28.1	+1.4	65.0	-3.3
<b>Washington:</b>											
Seattle.....	147	646	+2.9	14,191	+9	21.97	-1.9	23.2	+4.0	94.7	-6.0
Spokane.....	59	324	+52.1	8,174	+64.0	25.23	+7.8	28.8	+3.2	87.7	+4.2
Tacoma.....	80	188	-20.0	3,841	-15.5	20.43	+5.6	23.2	+6.9	88.2	-1.0
The State.....	286	1,158	+7.6	26,206	+11.0	22.63	+3.2	24.8	+6.9	91.4	-3.2
<b>West Virginia: Wheeling.....</b>	54	201	+15.5	4,429	+48.8	22.03	+28.8	30.6	+20.9	71.9	+6.4
Wisconsin: All localities.....	148	1,929	-7.0	38,039	-5.7	19.75	+1.3	30.4	+2.7	68.5	-2.0

<sup>1</sup>Averages computed from reports furnished by 10,001 firms.

(\*)No change.

<sup>7</sup>Each separate area includes from 2 to 8 counties.



## Employment on Class I Railroads

ACCORDING to reports of the Interstate Commerce Commission there were in April 964,598 workers (preliminary), exclusive of executives and officials employed by class I railroads—that is, roads having operating revenues of \$1,000,000 or over—as compared with 966,110 in March. This represents a decrease of 0.2 percent. Information concerning pay rolls in April is not yet available. The total compensation of all employees except executives and officials was \$126,502,835 in March as compared with \$117,928,027 in February. The increase over the month interval amounted to 7.3 percent. March, however, contained 31 days, as against 28 days in February. On a daily basis, pay rolls in March show a decrease of 3.1 percent.

Index numbers showing the monthly trend of employment by class I railroads from January 1923 through April 1935 are given in table 8. These indexes have been compiled by the Interstate Commerce Commission and, like the Bureau's indexes of factory employment, the 3-year average, 1923-25, represents 100.

Table 8.—Indexes of Employment on Class I Railroads in the United States, January 1923 to April 1935

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

Month	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
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	53.7
February.....	98.6	96.9	95.3	95.8	95.0	83.7	83.6	85.2	72.6	60.2	52.7	54.6	54.2
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	54.7
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	54.7
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	58.7	.....
August.....	108.2	98.9	99.5	102.4	99.2	95.5	97.1	83.5	71.0	54.9	56.8	57.8	.....
September.....	107.7	99.6	99.7	102.5	98.8	95.1	96.5	82.0	69.2	55.7	57.7	57.3	.....
October.....	107.1	100.7	100.4	103.1	98.5	95.2	96.6	80.2	67.6	56.9	57.4	59.6	.....
November.....	105.0	98.9	98.9	101.0	95.5	92.7	92.8	76.9	64.4	55.8	55.8	54.3	.....
December.....	99.1	96.0	96.9	98.0	91.7	89.5	88.5	74.8	62.5	54.7	54.0	53.8	.....
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	54.3

<sup>1</sup> Preliminary.

<sup>2</sup> Average for 4 months.

Source: Interstate Commerce Commission.

## Trend of Industrial Employment, by States

FLUCTUATIONS in employment and pay rolls in April 1935 as compared with March 1935, in certain industrial groups, are shown by States in table 9. 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 groups is presented. In this State compilation the totals of the telephone and telegraph, power and light, and electric-railroad operations groups have been combined and are presented as one group—Public utilities.

The percentage changes shown in the 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 increases from March to April of 2.3 percent in employment and 28.1 percent in pay rolls. These percentages are based on reports received from 160 mines, which employed in April 73,070 workers, whose earnings in 1 week ending nearest the 15th were \$2,019,392.

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." Details are not given for any industrial group when the representation in the State covers less than three establishments.

**Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, by States**

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

State	Total—All groups					Manufacturing				
	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama.....	1,329	76,538	-1.5	\$1,106,437	-7.6	240	50,883	-1.0	\$709,270	-2.1
Arizona.....	559	13,986	+2	294,680	+1.7	47	2,637	+5.9	30,046	+9.9
Arkansas.....	1,667	24,481	-4	369,218	+2.6	271	16,845	+5	235,594	+4
California.....	1,883	273,980	+6.1	6,819,087	+5.3	1,024	160,800	+10.7	3,649,345	+6.3
Colorado.....	1,339	39,050	-7	853,119	-1.3	183	11,703	-2.0	268,302	+5
Connecticut.....	2,203	177,076	-1	3,654,182	-1.5	689	143,021	+1	2,818,458	-1.9
Delaware.....	221	12,072	+2.3	258,264	+4	66	7,801	+2.1	155,571	+1.7
District of Columbia.....	1,010	38,979	+3.1	925,788	+2.9	48	3,634	( <sup>9</sup> )	119,143	+1
Florida.....	1,391	46,037	-10.6	751,023	-9.1	213	18,529	-9.7	254,238	-8.7
Georgia.....	1,764	102,994	-1.8	1,520,526	-2.4	392	76,987	-2.9	1,012,034	-3.8
Idaho.....	508	8,301	+1.3	170,006	+3.1	63	2,494	+6.8	50,101	+12.9
Illinois.....	4,655	480,477	+7.2	10,907,841	+1	3,088	295,037	+7.8	6,474,483	+1.0
Indiana.....	2,730	166,701	+6	3,564,286	+5	667	121,411	+6	2,656,929	+2.8
Iowa.....	1,889	54,045	-2	1,100,434	-2.9	404	28,763	+1.0	542,024	-6
Kansas.....	1,798	64,670	+3	1,193,187	+4.1	593	26,562	+2.5	599,786	+6.8
Kentucky.....	1,552	85,565	-1.6	1,540,377	-7.4	303	33,681	-1.2	651,813	-7
Louisiana.....	1,953	43,021	+3	753,177	+1.3	229	22,782	+1	330,319	+2.9
Maine.....	920	49,157	-1.6	906,713	-3.0	270	39,923	-2.8	701,903	-4.6
Maryland.....	1,804	103,694	+7.2	2,233,109	+1.1	603	69,639	+1.6	1,369,139	+2.6
Massachusetts.....	3,699	453,877	-4	9,408,094	-6	1,658	244,668	-8	4,895,244	-2.2
Michigan.....	3,720	490,324	+8	13,269,060	+2.5	800	374,581	-2	10,141,465	+2.6
Minnesota.....	2,401	84,294	+2.9	1,907,032	+4.6	404	35,289	+4.0	737,991	+8.0
Mississippi.....	638	16,775	-3.7	240,644	-1.7	101	10,002	-5.6	124,013	-3.3
Missouri.....	3,605	165,761	+8	3,540,965	-7	833	82,054	+9	1,668,044	-6
Montana.....	790	10,455	+1.4	417,548	-1	89	4,174	+1.6	96,206	-2
Nebraska.....	1,936	33,530	+2.0	713,105	+6	170	10,488	+1.2	228,490	+1.3
Nevada.....	258	3,060	+2.1	80,883	+2.0	33	895	+1	24,245	+4.8
New Hampshire.....	767	41,933	-7.3	760,076	-3.3	200	35,147	-8.9	607,089	-10.5
New Jersey.....	3,989	250,416	-2	5,772,174	-1.6	763	217,842	-6	4,804,008	-1.1
New Mexico.....	396	7,025	+7	133,349	-3.1	32	1,048	+7	15,565	-4.9
New York.....	18,531	783,040	+1.6	20,069,101	+2	1,915	399,206	+8	6,378,227	-3
North Carolina.....	1,287	134,683	-1.9	1,851,470	-4.6	572	123,868	-2.3	1,672,159	-5.2
North Dakota.....	539	4,492	+4	99,275	-6	48	855	+1.2	19,829	+6.3
Ohio.....	8,860	546,877	+2	12,583,246	-10	2,466	389,633	-4	9,172,616	+4
Oklahoma.....	1,606	37,709	-2	778,481	-9	139	10,160	+7	201,331	+7
Oregon.....	1,497	44,119	+3.6	964,163	+2.8	282	23,118	+5.2	454,603	+6.3
Pennsylvania.....	9,748	778,737	-4	16,501,514	-1.5	3,178	485,794	-9	8,506,698	-8
Rhode Island.....	1,308	86,469	-1.9	1,692,882	-2.7	423	65,224	-3.6	1,175,099	-4.8
South Carolina.....	711	64,734	-4.7	798,114	-11.4	207	57,069	-5.1	670,392	-12.9
South Dakota.....	588	7,308	+7	181,445	+2.5	25	1,593	-5	31,398	-2
Tennessee.....	1,336	84,166	+1	1,356,800	-1.4	325	58,114	-4	896,120	+4
Texas.....	1,297	63,264	+6	1,469,772	-5	358	33,881	-4	764,561	-1
Utah.....	576	16,237	+1.3	357,572	-5	108	4,571	+2.2	94,869	+1.4
Vermont.....	550	15,631	+1.8	310,041	+1.0	138	9,609	+1.5	182,065	-7
Virginia.....	2,203	90,025	-5	1,635,194	-3.1	423	53,335	-8	1,022,306	-2.9
Washington.....	3,429	83,539	+1.6	1,901,822	+1.8	510	40,188	+2.0	851,177	+4.3
West Virginia.....	1,335	144,179	-1.9	2,733,689	-15.0	247	54,230	-1.2	1,182,811	-1.0
Wisconsin.....	1,080	163,835	-4	3,463,259	-1	766	131,549	( <sup>7</sup> )	2,785,873	+1.4
Wyoming.....	372	7,530	-6	182,654	-7.4	49	1,651	+4.8	46,106	+4.9

<sup>1</sup> Includes automobile dealers and garages, and sand, gravel, and building stone.

<sup>2</sup> Includes banks, insurance, and office employment.

<sup>3</sup> No change.

<sup>4</sup> Includes building and contracting.

<sup>5</sup> Includes construction, miscellaneous services (theaters), and restaurants.

<sup>6</sup> Weighted percentage change.

<sup>7</sup> Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional, and trucking and handling.

<sup>8</sup> Includes laundries.

<sup>9</sup> Includes laundering and cleaning, but does not include food, canning, and preserving.

<sup>10</sup> Less than 1/10 of 1 percent.

<sup>11</sup> Includes construction, but does not include hotels and restaurants, and public works.

Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, by States—Continued

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

State	Wholesale trade					Retail trade				
	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama	113	2,334	-0.2	\$57,125	-5.1	728	6,974	+0.9	\$122,829	-0.6
Arizona	70	1,154	-6	22,007	+3.2	284	3,422	+1.6	68,596	+2.0
Arkansas	123	1,500	+3	33,837	+1.3	156	2,313	+3.0	6,454	+1.2
California	103	5,802	+5	162,510	-4	123	31,506	+3.1	618,763	+1
Colorado	180	3,419	-6	87,447	+5	549	8,609	+4.1	167,078	+1.5
Connecticut	211	3,990	-18.7	96,559	-8.3	992	14,841	+3.3	312,390	+3.3
Delaware	14	504	+1.2	11,740	+4.9	81	1,445	+5.2	30,526	+5.0
District of Columbia	61	1,120	-2.0	34,481	+2.3	750	14,872	+6.0	310,576	+6.5
Florida	222	8,961	-5.7	141,886	-1	533	7,411	-2.8	142,180	-2.8
Georgia	111	1,603	+4	40,106	-1.1	905	10,223	+1.9	173,042	+1.6
Idaho	72	660	-16.1	15,975	-6.9	259	2,026	+1.9	41,678	+2.2
Illinois	381	13,206	+3	380,907	-1.4	1,378	72,733	+5.0	1,472,628	+5.2
Indiana	375	5,846	+4.1	143,665	+2.3	1,232	18,413	+5.9	344,124	+4.6
Iowa	208	3,422	+3	89,257	+3	619	8,449	+5.9	152,665	+2.7
Kansas	166	3,063	+1.2	74,660	+1.0	320	9,284	+2.4	182,866	+4.3
Kentucky	190	2,764	-7.7	59,145	-4.7	465	8,643	+5.4	155,236	+4.3
Louisiana	136	2,976	+8	71,585	-4	441	7,762	+2.2	130,988	+2.1
Maine	105	1,555	+4	38,101	-10	277	2,816	+5.4	56,331	+3.4
Maryland	260	4,088	+1.6	102,895	+4	642	16,678	+5.9	314,394	+4.2
Massachusetts	879	17,422	-1.2	463,033	-6	4,333	67,329	+2.1	1,350,025	+2.5
Michigan	337	6,520	+2.0	173,893	+2.2	1,655	33,041	+5.5	702,507	+4.9
Minnesota	419	8,488	-6	225,935	-1.4	1,082	16,399	+5.5	303,429	+3.5
Mississippi	69	1,192	-1.7	25,196	+1.1	193	2,042	+2.8	31,095	+2.0
Missouri	750	15,393	+2	396,056	-7	1,352	30,948	+5.4	608,649	+2.7
Montana	106	1,109	+1.4	31,087	+6	355	2,941	+2.2	68,618	+2.0
Nebraska	496	4,043	+10	105,226	+4	869	9,468	+4.5	174,085	+2.1
Nevada	51	335	+2.4	11,116	-2.5	105	774	+4.0	20,176	+1.0
New Hampshire	37	355	-1.7	8,951	-6	303	2,966	+5.6	57,826	+4.5
New Jersey	245	4,377	+2	128,079	-1	2,146	21,453	+4.1	482,304	+3.2
New Mexico	37	307	+7.7	7,896	+2.0	215	1,515	+1.8	33,309	-3
New York	3,678	66,895	-2	2,057,671	-2	10,301	179,527	+5.5	4,012,557	+4.7
North Carolina	57	700	-2.0	20,183	-2.3	437	4,750	+8.1	70,539	+4.2
North Dakota	186	710	+1.0	13,204	-1.1	44	307	+9.6	6,036	+6.9
Ohio	1,075	16,917	-2	441,923	-7	3,989	66,218	+6.6	1,256,382	+5.6
Oklahoma	177	2,805	+1	69,381	-1.2	776	7,988	+2.5	144,640	+7
Oregon	291	3,558	+1.2	99,858	-1.7	624	8,958	+2.7	186,434	+2.9
Pennsylvania	1,245	20,309	-1.1	558,985	-8	3,642	69,508	+7.5	1,377,956	+5.2
Rhode Island	96	1,767	-8	45,961	-1.5	621	10,288	+4.6	195,847	+4.8
South Carolina	77	951	-3	22,531	-1.2	288	3,431	+3.0	49,069	+1.8
South Dakota	160	750	+1	20,886	-6	226	1,307	+2.4	24,606	-9
Tennessee	145	2,705	+3	61,649	-4	467	9,147	+4.0	160,058	+1.4
Texas	182	4,465	+1.8	111,872	+1.7	371	9,440	+4.8	170,819	+3.6
Utah	79	1,266	+1.1	35,065	-5	235	2,754	+11.5	56,308	+5.1
Vermont	30	527	+1.3	12,158	+4	165	1,544	+1.4	33,769	+4.6
Virginia	207	3,239	+2.5	78,708	+1.7	1,184	11,599	+2.7	213,999	+2.2
Washington	750	9,856	+1.9	275,385	+1.0	1,766	16,995	+2.7	355,515	+3.1
West Virginia	127	1,874	-5	49,595	-8	320	4,093	+7.6	75,442	+3.9
Wisconsin	45	1,787	-2	41,675	-7	53	15,077	+11.9	163,760	+9.0
Wyoming	23	167	+3.1	4,653	+3	176	1,112	+1.6	25,901	+2.9

10 Less than 1/10 of 1 percent.

Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, by States—Continued

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

State	Quarrying and nonmetallic mining					Metalliferous mining				
	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama	17	582	+0.9	\$6,956	-3.3	9	1,163	+1.2	\$20,069	-11.6
Arizona	4	117	+13.6	1,282	+21.5	20	3,742	+9	90,168	+3.0
Arkansas	46	1,111	+6.3	22,325	+14.3	35	2,831	+3.6	75,549	+4.4
California	5	22	+37.5	303	+1.0	14	1,102	+3.9	29,247	+5
Colorado	23	267	+69.0	5,101	+86.1					
Connecticut										
Delaware										
District of Columbia										
Florida	17	884	-1	11,069	+1.8					
Georgia	26	1,603	+9	18,262	+8.4					
Idaho						7	1,594	+2.8	35,300	+6
Illinois	21	542	+30.0	10,116	+30.5					
Indiana	66	1,378	+10.6	22,781	+9.3					
Iowa	21	356	+19.9	6,401	+22.7					
Kansas	34	1,305	+4.2	26,163	+12.5	13	1,323	+1.8	24,355	+7.6
Kentucky	38	784	+2.0	7,173	+6.1					
Louisiana	7	704	-1.5	10,131	+14.7					
Maine	12	373	+410.0	6,634	+427.4					
Maryland	12	291	+19.3	3,861	+43.3					
Massachusetts	19	435	+17.9	8,994	+29.7					
Michigan	44	1,046	+16.6	19,226	+27.6	39	4,788	+4.2	82,593	+4.5
Minnesota	27	210	+7.1	3,650	+4.4	25	1,193	+12.7	23,443	+22.5
Mississippi	11	116	-44.8	1,222	-44.4					
Missouri	61	1,277	-2	18,862	+9.1	12	1,804	-2	20,124	+2.3
Montana	8	81	+26.6	1,415	+23.6	16	3,797	+1.9	112,092	+2.9
Nebraska	10	265	+1.1	3,132	+10.5					
Nevada	11	59	-33.7	1,234	-32.1	15	375	+3.8	14,320	+4.3
New Hampshire	35	569	+15.4	10,361	+13.1	4	828	-1.7	15,950	-1.3
New Jersey										
New Mexico										
New York	78	2,285	+38.9	47,511	+36.8					
North Carolina	11	283	-9.3	3,955	-1.0					
North Dakota										
Ohio	120	2,973	+13.7	49,846	+26.3					
Oklahoma	14	153	+3.4	1,966	+4.9	24	1,242	-1.8	19,854	-4.8
Oregon	3	36	+20.0	691	+15.6	4	84	+23.5	1,752	+17.9
Pennsylvania	158	5,110	+21.2	78,936	+12.6					
Rhode Island										
South Carolina	4	112	-2.6	1,487	-4.2					
South Dakota	8	87	+102.3	1,267	+98.3					
Tennessee	20	674	-6	7,032	-1.6	4	362	-1.4	7,339	-1.7
Texas	15	790	+22.1	17,681	+34.7					
Utah	7	95	+2.2	1,724	-11.3	13	2,159	+4	48,341	-1.6
Vermont	39	1,735	+4.6	33,768	+10.0					
Virginia	27	1,011	+1.2	12,628	+7.7					
Washington	13	238	-15.0	3,716	-6.5					
West Virginia	19	763	+8.5	11,575	+7.7					
Wisconsin	12	155	+44.9	2,063	+10.3	(1)	744	+3.2	16,054	+3.8
Wyoming										

<sup>12</sup> Not available.

**Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, by States—Continued**

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

State	Bituminous-coal mining					Crude-petroleum producing				
	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama.....	53	10,675	-2.8	\$121,648	-35.0					
Arizona.....										
Arkansas.....	9	889	-21.0	5,888	-7.1	6	291	(3)	\$7,101	-4.1
California.....						42	10,521	+2.1	343,939	+2.4
Colorado.....	49	4,300	-8.8	75,110	-13.5					
Connecticut.....										
Delaware.....										
District of Columbia.....										
Florida.....										
Georgia.....										
Idaho.....										
Illinois.....	29	5,252	-43.1	92,710	-58.3	11	206	+1.5	4,230	-4.8
Indiana.....	46	3,762	-28.7	51,119	-61.1	4	22	+10.0	342	-3
Iowa.....	22	1,136	-47.3	11,737	-75.2					
Kansas.....	24	1,066	-48.5	25,413	-38.1	27	1,575	+3.8	39,382	+6
Kentucky.....	134	27,978	-4.8	432,380	-22.0	6	229	-5.8	3,266	-16.5
Louisiana.....						11	945	+4.2	26,126	+1.1
Maine.....										
Maryland.....	13	1,438	+8.1	20,608	-23.9					
Massachusetts.....										
Michigan.....	3	700	-27.9	6,186	-77.2					
Minnesota.....										
Mississippi.....										
Missouri.....	19	884	-49.2	14,290	-43.1					
Montana.....	11	933	-3.1	21,934	-7.1	7	30	+7.1	85	+7.8
Nebraska.....										
Nevada.....										
New Hampshire.....										
New Jersey.....										
New Mexico.....	12	1,691	-3	30,405	-10.9	6	256	+12.8	6,690	+17.5
New York.....						5	242	+8	5,291	-2.5
North Carolina.....										
North Dakota.....	7	490	-5.2	8,645	-17.7					
Ohio.....	73	12,634	-15.8	178,103	-40.6	11	235	+4.9	4,256	-6.4
Oklahoma.....	18	306	-57.1	5,763	-36.5	73	5,463	+(10)	134,851	-2.8
Oregon.....										
Pennsylvania.....	456	78,025	-6.9	1,163,121	-36.1	20	863	+3	20,404	+1
Rhode Island.....										
South Carolina.....										
South Dakota.....										
Tennessee.....	18	3,148	-5.3	38,335	-35.8					
Texas.....	5	354	-4.3	6,188	-1	5	6,295	-4.6	201,531	-9.6
Utah.....	17	1,873	-13.2	46,944	-10.3					
Vermont.....										
Virginia.....	23	4,383	-11.5	73,600	-26.0					
Washington.....	17	1,311	-1.1	31,797	-11.2					
West Virginia.....	373	73,321	-3.5	1,189,778	-29.4	13	484	+1.0	10,149	-8.2
Wisconsin.....										
Wyoming.....	33	3,545	-4.7	82,361	-18.0	6	165	+17.0	4,667	+9.8

<sup>3</sup> No change.

<sup>10</sup> Less than 1/10 of 1 percent.

Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, by States—Continued

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

State	Public utilities					Hotels				
	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama.....	119	1,885	+0.2	\$40,548	-2.7	21	1,076	+1.0	\$9,406	-1.0
Arizona.....	75	1,600	-3.1	38,393	-6.2	18	589	-17.9	9,047	-15.1
Arkansas.....	<i>26</i>	<i>1,859</i>	-5	<i>27,998</i>	+3	<i>24</i>	<i>985</i>	-11.1	<i>8,665</i>	-8.8
California.....	47	44,161	+5	1,278,298	-1.8	178	10,668	-6	170,318	+7
Colorado.....	225	5,853	-6	149,921	-2.3	47	1,129	+1	15,258	-1.2
Connecticut.....	152	9,858	-4	304,590	-1.3	28	1,268	+1.2	17,165	-2.4
Delaware.....	30	1,130	+9	31,754	-11.0	5	288	-7	3,931	-1.7
District of Columbia.....	54	10,399	+8	288,270	+7	45	4,689	+4.9	75,574	+5.2
Florida.....	258	5,139	-2.7	126,901	-9.6	98	2,891	-45.3	32,889	-46.0
Georgia.....	234	7,431	+9	199,008	-1.0	36	1,709	+2.5	14,869	+1
Idaho.....	63	757	-2.3	15,282	-4.0	18	355	+2.6	4,244	-1.5
Illinois.....	<i>85</i>	<i>70,819</i>	+5	<i>2,099,002</i>	+4	<i>18</i>	<i>13,376</i>	-1.6	<i>218,902</i>	-3.6
Indiana.....	160	9,326	+1.3	236,672	+2	62	2,914	+9.4	31,199	+8.2
Iowa.....	507	9,536	+1.5	227,774	+6	54	2,347	-4.0	22,954	-3.3
Kansas.....	<sup>14</sup> 164	7,375	+1.7	182,200	+6.1	24	616	+7	6,867	-2
Kentucky.....	310	6,542	-2	152,697	-1.0	32	2,117	+8.0	21,615	+4.6
Louisiana.....	188	5,849	+7	143,049	-1.6	17	1,824	-7.4	21,021	-6.5
Maine.....	188	2,376	-1.6	77,946	-1.8	16	611	-1.8	7,739	-4
Maryland.....	<i>98</i>	<i>12,220</i>	+6	<i>352,494</i>	-2.0	<i>19</i>	<i>716</i>	-1.0	<i>8,911</i>	-6
Massachusetts.....	<sup>14</sup> 125	45,020	+3	1,356,793	+2.8	63	5,610	+9	32,324	+1.0
Michigan.....	452	20,328	+2	895,638	-1.1	89	5,138	+2	64,355	-1.9
Minnesota.....	264	12,661	-1.1	348,866	+1.4	67	3,336	+1.1	42,540	+1.6
Mississippi.....	219	2,048	+1.0	43,804	+5	17	769	+4	6,469	-2.0
Missouri.....	340	20,338	-1.6	569,039	-3.1	87	5,097	+5	63,754	-6
Montana.....	118	2,145	+3	62,321	-5.4	33	560	+1.1	7,884	-4.7
Nebraska.....	310	5,851	+9	148,167	-2.3	37	1,742	+2.2	18,461	-1.3
Nevada.....	33	208	+3.0	6,250	-2	15	244	-4	3,587	-1
New Hampshire.....	147	2,329	+5	65,425	+2.2	10	255	+2.8	2,962	+4
New Jersey.....	296	20,779	+2	614,492	-3.3	76	3,951	+3.3	49,815	+1.8
New Mexico.....	54	621	-3.4	12,619	-4.9	17	421	( <sup>3</sup> )	4,142	-2.6
New York.....	1,152	122,016	+1	3,943,807	-1.9	216	30,010	-2	492,703	+4
North Carolina.....	126	2,093	+6	43,795	-1.2	32	1,616	+4.5	14,589	+3.1
North Dakota.....	182	1,334	+2	33,195	+5	20	1,285	( <sup>3</sup> )	3,055	-6.6
Ohio.....	572	35,232	+5	979,010	-3	125	9,049	+6	117,553	+5
Oklahoma.....	288	6,547	+3	155,769	-5	37	1,437	+2.1	15,949	-4.8
Oregon.....	192	5,541	+1.2	157,359	-2.7	59	1,801	+1	17,015	-4.5
Pennsylvania.....	785	52,245	+10	1,620,132	-5	149	9,565	+2	131,916	-1.7
Rhode Island.....	53	5,547	+2	109,246	+4	10	377	+3.6	5,360	+2.2
South Carolina.....	91	2,121	-6.4	41,812	-6.6	17	429	-19.2	3,791	-21.5
South Dakota.....	129	1,070	+8	26,005	-2.8	18	260	+4	3,011	+2.1
Tennessee.....	275	5,111	+1.2	115,769	-3.4	35	2,494	+1.0	21,611	-6
Texas.....	326	5,988	+2	171,769	+1.7	34	2,455	+2.0	31,539	-1.2
Utah.....	69	1,825	+2.0	35,796	-9	13	552	+9.1	7,370	+8.0
Vermont.....	131	1,496	( <sup>3</sup> )	37,837	-1.3	14	360	+2.3	3,389	+1.3
Virginia.....	202	5,835	+6	143,675	-3.3	34	2,016	+10.6	21,738	+8.8
Washington.....	225	10,092	-7	289,054	-3.3	83	2,536	-4	30,453	-5
West Virginia.....	129	6,855	+2.5	169,464	-9	36	1,259	-9	13,771	-1.1
Wisconsin.....	<sup>15</sup> 41	<i>10,262</i>	-1.0	<i>323,980</i>	-2.6	<i>48</i>	<i>1,433</i>	+1.6	( <sup>12</sup> )	-----
Wyoming.....	53	477	-2	11,578	+1.3	11	97	-1.0	1,288	-3.2

<sup>3</sup> No change.<sup>10</sup> Less than 1/10 of 1 percent.<sup>12</sup> Not available.<sup>13</sup> Includes restaurants.<sup>14</sup> Includes steam railroads.<sup>15</sup> Includes railroads and express.

**Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, 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 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935	Number of establishments	Number on pay roll 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama.....	12	451	-25.7	\$4,061	-32.2	5	68	+3.0	\$935	-2.0
Arizona.....	12	479	-4.2	6,953	-3.9	0	47	-6.0	948	+1.1
Arkansas.....	16	617	-3.2	5,244	-4.7					
California.....	16 69	4,961	-6	89,509	+5					
Colorado.....	31	1,436	+5	19,909	+1.8	20	267	+12.7	4,861	+13.4
Connecticut.....	40	1,652	+6	26,901	+1.6	18	379	+15.2	7,939	+20.2
Delaware.....	4	288	-1.7	4,991	-1.2	4	62	+24.0	1,111	+13.0
District of Columbia.....	21	2,872	+1.4	46,873	+1.4	3	76	+11.8	1,392	+8.9
Florida.....	22	1,306	-10.1	14,814	-20.5	10	135	-5.6	1,921	-4.1
Georgia.....	21	2,055	+1.4	23,944	+2.2	10	183	+8.3	2,399	+5.3
Idaho.....	13	282	-4	4,389	+9	3	27	+8.0	545	+17.0
Illinois.....	16 65	3,322	+4.2	57,215	+5.8					
Indiana.....	39	1,849	+1.9	26,837	+3.2	39	664	+11.4	11,599	+16.5
Iowa.....	25	878	+1.4	11,913	+3.8	16	191	+13.7	3,687	+13.5
Kansas.....	16 36	844	+4.7	11,122	+6.6					
Kentucky.....	4	1,743	+2.1	23,158	+3.7	9	257	+6.2	3,831	+8.7
Louisiana.....	36	3,339	+1.2	3,530	+6	6	125	+6.8	1,784	+9.2
Maine.....	27	559	+1.3	7,860	+1.3	11	194	+7.8	3,517	+5.9
Maryland.....	26	1,221	-4	28,409	+1.0	9	215	+4.9	3,659	+1.0
Massachusetts.....	140	5,886	+2	96,187	+1.3	78	2,195	+13.7	40,587	+13.7
Michigan.....	65	3,397	+1.6	53,372	+3.8	41	1,556	+15.1	25,370	+30.8
Minnesota.....	39	1,653	+3.4	27,756	+8.2	17	524	+16.2	10,009	+22.0
Mississippi.....	8	366	-2.4	3,912	+2.9	7	59	+5.4	827	+1.8
Missouri.....	47	2,731	+1.6	36,579	+2.0	29	1,251	+7.0	19,595	+2
Montana.....	15	371	+1.1	6,762	+2.1	9	64	+10.3	1,326	+17.9
Nebraska.....	15	926	+9	13,172	+1.4	13	228	+7.5	3,919	+10.7
Nevada.....										
New Hampshire.....	18	293	-7	4,245	-1.6	9	102	+15.9	1,886	+22.2
New Jersey.....	45	4,498	+1	77,950	+1.8	11	331	+8.9	7,416	+13.1
New Mexico.....	4	210	+5	3,342	+4.9	3	13	+18.2	269	+17.0
New York.....	74	7,021	+1.4	127,246	+1.7	11	485	+10.2	9,875	+23.9
North Carolina.....	11	642	(?)	7,288	+3	11	121	+2.5	1,498	+6.0
North Dakota.....	11	224	-2.6	3,419	-8	3	31	+6.9	537	+3.1
Ohio.....	79	3,956	+1.0	60,158	+3.3	76	2,106	+10.4	44,223	+20.2
Oklahoma.....	21	925	+7	11,616	+2.3	18	220	+4.8	2,840	+4.1
Oregon.....	10	307	+1.7	4,899	+3.2	12	91	+16.7	1,715	+15.3
Pennsylvania.....	39	2,814	-5	43,844	+2.0	42	1,608	+12.6	30,789	+20.3
Rhode Island.....	20	1,048	(?)	18,083	+6	7	420	+23.9	8,116	+37.2
South Carolina.....	8	408	+2.0	4,059	+2.6	11	94	+2.2	1,250	-6
South Dakota.....	5	111	+9	1,348	-1.2	3	52	+6.1	961	-5.6
Tennessee.....	15	1,395	+3	14,070	-6	11	168	+3.1	2,255	+3.5
Texas.....	25	1,549	+8	18,752	+1.9	13	501	+6.8	8,645	+3.1
Utah.....	9	532	-2.0	8,276	+3.1	10	126	+8.6	2,598	+20.9
Vermont.....	6	104	(?)	1,336	+6	8	106	+14.0	1,697	+22.2
Virginia.....	26	1,229	+3	14,697	-1	34	441	+2.6	6,824	+2.7
Washington.....	14	618	+4.2	10,903	+5.2	17	202	+7.4	4,031	+15.5
West Virginia.....	17	634	+1.0	9,532	-3.7	14	283	+1.1	4,514	+12.1
Wisconsin.....	16 27	975	+6.2	14,640	+10.6					
Wyoming.....	10	196	+3.2	3,110	+1.1	3	17	(?)	393	+1.3

\* No change.

<sup>16</sup> Includes dyeing and cleaning.



**Table 9.—Comparison of Employment and Pay Rolls in Identical Establishments in March and April 1935, 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, and insurance				
	Number of establishments	Number on pay roll April 1935	Percentage change from March 1935	Amount of pay roll (1 week) April 1935	Percentage change from March 1935
Alabama.....	12	447	-0.9	\$13,590	-0.9
Arizona.....	25	281	+1.1	8,049	+3
Arkansas.....	21	258	+2.0	6,499	+1.1
California.....	1,146	23,309	+7	764,009	+1.2
Colorado.....	36	1,210	-7	40,683	-2.7
Connecticut.....	50	1,800	+1	65,049	-9
Delaware.....	15	488	-8	17,410	-2
District of Columbia.....	28	1,317	+5	49,479	-1.1
Florida.....	18	781	-2.7	25,095	-5.1
Georgia.....	29	1,200	-1.4	36,865	+1.1
Idaho.....	9	93	( <sup>9</sup> )	2,471	+2.7
Illinois.....	87	11,499	+5	409,949	+9
Indiana.....	40	1,116	+3	39,019	-1.1
Iowa.....	13	967	+9	32,022	-4
Kansas.....	17 47	1,405	-6	43,886	+1.7
Kentucky.....	22	827	+6	30,063	-( <sup>10</sup> )
Louisiana.....	12	315	+3	13,644	-1.6
Maine.....	14	250	-4	6,682	+1.8
Maryland.....	17 27	888	+1	36,818	+3
Massachusetts.....	17 225	7,746	+ ( <sup>10</sup> )	230,874	+5
Michigan.....	183	6,658	-4	218,456	+ ( <sup>10</sup> )
Minnesota.....	57	4,491	+1.6	133,413	+3.6
Mississippi.....	13	181	-5	4,106	-4
Missouri.....	75	3,984	+3	125,973	-( <sup>10</sup> )
Montana.....	23	250	( <sup>9</sup> )	7,060	+1
Nebraska.....	16	519	+8	18,463	+9
Nevada.....	3	15	( <sup>9</sup> )	483	-6
New Hampshire.....	32	427	( <sup>9</sup> )	10,458	-11.8
New Jersey.....	120	13,785	+4	488,311	-5.4
New Mexico.....	11	115	( <sup>9</sup> )	3,102	+2
New York.....	655	50,114	-2	1,775,975	-1.8
North Carolina.....	30	612	-1.0	17,464	+5.4
North Dakota.....	36	251	+4	6,255	+4
Ohio.....	274	8,014	-( <sup>10</sup> )	273,113	-9
Oklahoma.....	21	463	+7	14,471	+4
Oregon.....	30	1,125	+4	39,837	+ ( <sup>10</sup> )
Pennsylvania.....	661	20,300	+3	663,246	+9
Rhode Island.....	76	1,776	-1.0	74,477	+8
South Carolina.....	8	109	+1.9	3,723	+1.7
South Dakota.....	13	97	( <sup>9</sup> )	2,318	+ ( <sup>10</sup> )
Tennessee.....	21	848	+4.0	32,562	+3.8
Texas.....	36	1,151	-1	33,461	+2
Utah.....	16	484	-4	17,281	-1.0
Vermont.....	19	150	+7	4,892	+3
Virginia.....	43	1,437	-5	47,619	+8
Washington.....	32	1,489	+5	49,573	-2.4
West Virginia.....	40	583	+5	17,058	-2
Wisconsin.....	29	1,130	+8	40,239	-1.5
Wyoming.....	6	55	( <sup>9</sup> )	1,583	-3

<sup>9</sup> No change.

<sup>10</sup> Less than  $\frac{1}{10}$  of 1 percent.

<sup>17</sup> Does not include brokerage.

## Industrial Employment and Pay Rolls in Principal Cities

FLUCTUATIONS in employment and pay-roll totals in April 1935 as compared with March 1935 in 13 cities of the United States having a population of 500,000 or over are presented in table 10. 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 reports, excluding building construction, have also been secured from establishments in other industries for inclusion in these city totals. Information concerning employment in building construction is not available for all cities at this time and therefore has not been included.

Table 10.—Fluctuations in Employment and Pay Rolls in April 1935 as Compared With March 1935

Cities	Number of establishments reporting in both months	Number on pay roll		Percentage change from March 1935	Amount of pay roll (1 week)		Percentage change from March 1935
		March 1935	April 1935		March 1935	April 1935	
New York City.....	14, 122	609, 100	614, 806	+0.9	16, 158, 337	16, 100, 327	-0.4
Chicago, Ill.....	3, 719	353, 968	359, 555	+1.6	8, 753, 705	8, 895, 124	+1.6
Philadelphia, Pa.....	2, 906	225, 923	226, 679	+ .3	5, 265, 275	5, 272, 651	+ .1
Detroit, Mich.....	1, 623	333, 606	334, 888	+ .4	9, 280, 933	9, 499, 886	+2.4
Los Angeles, Calif.....	2, 495	132, 621	130, 698	-1.5	3, 207, 843	3, 162, 409	-1.4
Cleveland, Ohio.....	2, 039	133, 008	135, 079	+1.6	3, 193, 822	3, 264, 181	+2.2
St. Louis, Mo.....	1, 899	123, 310	125, 339	+1.6	2, 735, 612	2, 760, 698	+ .9
Baltimore, Md.....	1, 457	82, 157	85, 182	+3.7	1, 775, 808	1, 829, 695	+3.0
Boston, Mass.....	3, 586	160, 292	160, 945	+ .4	3, 788, 265	3, 770, 868	- .5
Pittsburgh, Pa.....	1, 530	126, 846	127, 541	+ .7	2, 869, 606	2, 892, 332	+ .8
San Francisco, Calif.....	1, 675	77, 310	79, 949	+3.4	1, 961, 440	1, 995, 063	+1.8
Buffalo, N. Y.....	1, 078	60, 895	62, 172	+2.1	1, 414, 336	1, 447, 994	+2.4
Milwaukee, Wis.....	798	64, 343	65, 789	+2.2	1, 467, 512	1, 503, 545	+2.5

## Public Employment

APRIL registered a sharp pick-up in Federal employment. The gain was especially pronounced in construction work. There was an increase of more than 50,000 in the number of employees working at the site of Public Works Administration construction projects. Construction work financed from direct governmental appropriations provided nearly 8,000 more jobs than during March. There were increases also in the executive, legislative, and judicial services.

A summary of Federal employment and pay-roll statistics in April is given in table 11.

Table 11.—Summary of Federal Employment and Pay Rolls, April 1935

[Preliminary figures]

Class	Employment			Pay roll		
	April	March	Per-centage change	April	March	Per-centage change
<b>Federal service:</b>						
Executive.....	1 700, 977	2 699, 708	+1.5	\$106, 744, 129	\$100, 484, 610	+6.2
Judicial.....	1, 859	1, 831	+1.5	475, 804	454, 664	+4.6
Legislative.....	4, 830	4, 759	+1.5	1, 153, 325	1, 086, 807	+6.1
Military.....	256, 491	258, 650	- .8	19, 898, 971	19, 977, 791	- .4
Construction projects financed by P. W. A.....	333, 045	281, 461	+18.3	20, 939, 741	17, 400, 798	+20.3
Construction projects financed by R. F. C.....	10, 300	9, 586	+7.4	1, 007, 424	890, 333	+13.2
Construction projects financed by regular governmental appropriations.....	22, 270	14, 659	+51.9	1, 378, 616	862, 886	+59.8
<b>Relief work:</b>						
Emergency work program.....	2, 416, 639	2 2, 401, 579	- .6	62, 892, 027	62, 590, 378	- .5
Emergency conservation work...	3 368, 537	4 294, 952	+24.9	16, 401, 114	14, 187, 741	+15.6

<sup>1</sup> Includes 1,572 employees by transfer, previously reported as separations by transfer, not actual additions for April.

<sup>2</sup> Revised.

<sup>3</sup> 34,444 employees and a pay roll of \$4,427,852 included in executive service.

<sup>4</sup> 34,557 employees and a pay roll of \$4,489,706 included in executive service.

### Employment and Pay Rolls in the Federal Service

REPORTS for April indicate that there were increases in employment and pay rolls in the executive, judicial, and legislative services of the United States Government. A decrease was shown for the military service. Total disbursements for pay rolls for the month of April amounted to over \$128,000,000.

Information concerning employment in the executive departments is collected by the Civil Service Commission from the various departments and offices of the United States Government. The figures are tabulated by the Bureau of Labor Statistics. Data for the legislative, judicial, and military services are collected by the Bureau of Labor Statistics.

The number of employees in the executive departments of the Federal Government is shown in table 12. Data for employees working in the District of Columbia are shown separately. Approximately 14 percent of the employees in the executive departments work in the city of Washington.

**Table 12.—Employees in the Executive Service of the United States, April 1934, March 1935, and April 1935**

Item	District of Columbia			Outside District of Columbia			Entire service		
	Per-manent	Tem-porary	Total	Per-manent	Tem-porary <sup>1</sup>	Total	Per-manent	Tem-porary <sup>1</sup>	Total
<b>Number of employees:</b>									
April 1934.....	75,512	8,338	83,850	488,362	71,896	560,258	563,874	80,234	644,108
March 1935 <sup>2</sup> .....	89,956	8,606	98,562	509,444	91,702	601,146	599,400	100,308	699,708
April 1935.....	92,000	8,949	100,949	512,794	96,234	609,028	604,794	105,183 <sup>3</sup>	709,977
<b>Gain or loss:</b>									
April 1934 to April 1935.....	+16,488	+611	+17,099	+24,432	+24,338	+48,770	+40,920	+24,949	+65,869
March 1935 to April 1935.....	+2,044	+343	+2,387	+3,350	+4,532	+7,882	+5,394	+4,875	+10,269
<b>Percentage change:</b>									
April 1934 to April 1935.....	+21.83	+7.33	+20.39 <sup>1</sup>	+5.00	+33.85	+8.70	+7.26	+13.11	+10.23
March 1935 to April 1935.....	+2.27	+3.99	+2.42	+6.6	+4.94	+1.31	+1.90	+4.86	+1.47
<b>Labor turn-over, April 1935:</b>									
Additions <sup>4</sup> .....	2,328	1,933	4,261	10,279	16,381	26,660	12,607	18,314	30,921
Separations <sup>4</sup> .....	977	1,180	2,157	6,388	13,679	20,067	7,365	14,859	22,224
Turn-over rate per 100.....	1.08	13.80	2.18	1.26	15.31	3.35	1.23	15.17	3.19

<sup>1</sup> Not including field employees of the Post Office Department or 25,541 employees hired under letters of authorization by the Department of Agriculture with a pay roll of \$874,046.

<sup>2</sup> Revised.

<sup>3</sup> 1,572 employees by transfer, previously reported as separations by transfer, not actual additions for April.

<sup>4</sup> Not including employees transferred within the Government service as such transfers should not be regarded as labor turn-over.

In comparison with the previous month an increase of 10,000 or 1.5 percent is shown in the number of workers in the executive service in April. The increase over the corresponding month of last year amounted to nearly 66,000, or 10.2 percent. Employment in the District of Columbia increased 2.4 percent comparing April with March and 20.4 percent comparing April 1935 with the corresponding month of the preceding year.

Table 13 shows employment in the executive departments of the United States Government, by months, from January 1934 to April 1935, inclusive.

**Table 13.—Employment in the Executive Departments of the United States by Months from January 1934 to April 1935**

Months	District of Columbia	Outside District of Columbia	Total	Months	District of Columbia	Outside District of Columbia	Total
1934				1934—Continued			
January.....	78,045	530,094	608,139	November.....	93,827	581,615	675,442
February.....	79,913	531,839	611,752	December.....	94,050	578,223	672,273
March.....	81,569	541,990	623,559				
April.....	83,850	560,258	644,108	1935			
May.....	85,939	573,147	659,086	January.....	94,389	580,608	674,997
June.....	87,196	573,896	661,094	February.....	95,517	585,029	680,546
July.....	87,978	583,531	671,509	March.....	98,562	601,146	699,708
August.....	91,065	585,772	676,837	April.....	100,949	609,028	709,977
September.....	92,557	589,280	681,837				
October.....	93,322	590,183	683,505				

<sup>1</sup> Revised.

<sup>2</sup> Includes 1,572 employees by transfer, previously reported as separations by transfer, not actual additions for April.

In April for the first time in 5 years, employment in the executive service exceeded 700,000.

Data concerning employment and pay rolls for all branches of the United States Government is given in table 14, by months, from January 1934 to April 1935, inclusive.

Table 14.—Employment and Pay Roll for the United States Government, by Months, January 1934 to April 1935

Month	Executive service		Military service		Judicial service		Legislative service <sup>1</sup>		Total <sup>1</sup>	
	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	Employees	Pay roll
1934										
January.....	608,139	\$77,450,498	253,097	\$18,382,945	1,780	\$417,000	4,777	\$966,193	867,793	\$97,216,636
February.....	611,752	83,524,296	253,599	19,365,135	1,742	430,843	4,784	1,020,803	871,877	104,341,077
March.....	623,559	84,837,493	254,634	18,240,513	1,854	443,505	4,799	1,022,808	884,846	104,544,319
April.....	644,108	85,090,283	255,211	18,454,878	1,904	432,401	4,797	1,020,924	906,020	104,998,486
May.....	659,086	89,577,479	254,982	18,397,551	1,913	442,896	4,794	1,035,106	920,775	109,453,032
June.....	661,094	91,540,629	255,227	18,739,952	1,881	439,170	4,810	1,039,198	923,012	111,758,949
July.....	671,509	95,184,175	256,350	19,587,571	1,750	434,736	4,645	1,073,348	934,254	116,279,830
August.....	676,837	98,518,203	256,625	19,689,866	1,690	439,014	4,655	1,072,406	939,807	119,719,489
September.....	681,837	98,848,540	257,355	19,986,672	1,777	486,410	4,653	1,070,956	945,622	120,392,578
October.....	683,505	101,632,505	258,187	19,102,969	1,846	453,217	4,632	1,070,290	948,170	122,258,981
November.....	675,442	100,787,487	260,300	20,945,771	1,885	451,653	4,630	1,070,881	942,257	123,255,792
December.....	672,273	100,736,351	259,968	20,125,003	1,861	446,130	4,648	1,067,996	938,750	122,365,480
1935										
January.....	674,997	97,614,242	261,254	20,362,067	1,830	462,895	4,722	1,077,401	942,803	119,516,605
February.....	680,546	98,218,485	260,478	20,102,126	1,812	452,717	4,735	1,080,686	947,571	119,854,014
March.....	<sup>2</sup> 699,708	<sup>2</sup> 100,484,610	258,650	19,977,791	1,831	454,064	4,759	1,086,807	<sup>2</sup> 964,948	<sup>2</sup> 122,003,872
April.....	<sup>3</sup> 709,977	<sup>3</sup> 106,744,129	256,491	19,898,971	1,859	475,804	4,830	1,153,325	<sup>3</sup> 973,157	<sup>3</sup> 128,272,229

<sup>1</sup> Subject to further revision.

<sup>2</sup> Revised.

<sup>3</sup> Includes 1,572 employees by transfer, previously reported as separations by transfers, not actual additions for April.

### Employment Created by the Public Works Administration Fund

AN INCREASE of more than 50,000 is shown in the number of wage earners employed at the site of Public Works Administration construction projects, comparing the current with the previous month. During April<sup>1</sup> 333,045 employees worked at the site of these projects.

Pay-roll expenditures for April amounted to nearly \$21,000,000. Orders were placed for material valued at \$30,000,000.

Table 15 summarizes, by type of project, the data concerning employment, pay rolls, and man-hours worked during April on construction projects financed by the Public Works Administration fund.

<sup>1</sup> Unless otherwise expressly stated, when April is referred to in this study it may be accepted as meaning the month ending Apr. 15.

**Table 15.—Employment and Pay Rolls on Construction Projects Financed from Public Works Funds, April 1935**

[Subject to revision]

Type of project	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Maximum number employed <sup>1</sup>	Weekly average				
<b>Federal projects</b>						
All projects.....	217,071	208,842	\$13,186,273	20,939,339	\$0.630	\$19,174,185
Building construction.....	14,405	12,049	851,350	1,113,403	.765	1,864,493
Forestry.....	1,576	1,557	114,107	142,418	.802	81,265
Naval vessels.....	23,514	23,176	3,075,043	3,711,755	.828	2,487,778
Public roads <sup>2</sup> .....	( <sup>1</sup> )	113,019	3,731,500	7,765,000	.481	8,154,000
Reclamation.....	24,978	23,805	2,471,191	3,686,655	.670	2,757,858
River, harbor, and flood control.....	25,308	21,839	1,969,398	2,900,178	.703	2,358,886
Streets and roads.....	5,388	4,876	216,129	423,478	.510	210,412
Water and sewerage.....	546	486	36,937	54,979	.672	49,601
Miscellaneous.....	8,337	8,035	720,528	1,241,473	.580	709,892
<b>Non-Federal projects</b>						
All projects.....	101,873	85,076	\$6,530,379	8,656,280	\$0.754	\$12,079,193
Building construction.....	43,774	36,150	2,907,162	3,302,890	.880	6,123,052
Railroad construction.....	9,615	9,069	1,010,169	1,609,906	.627	1,376,368
Streets and roads.....	11,044	8,870	459,504	666,256	.690	735,130
Water and sewerage.....	35,090	29,080	1,990,114	2,864,941	.695	3,285,807
Miscellaneous.....	2,350	1,907	163,370	212,287	.770	558,836

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

<sup>2</sup> Includes weekly average for public roads.

<sup>3</sup> Estimated by Bureau of Public Roads.

<sup>4</sup> Not available; average number included in total.

Federal construction projects are financed entirely by allotments made by the Public Works Administration to the various departments and agencies of the Federal Government. The work is performed either by commercial firms to which contracts have been awarded or by day labor hired directly by the Federal agencies.

Non-Federal projects are financed by allotments made by the Public Works Administration to a State or political subdivision thereof, or in some cases to commercial firms. In allotting funds to States or their political subdivisions, the Public Works Administration makes a direct grant of not more than 30 percent of the total construction cost. The recipient finances the remaining 70 percent. For many projects the additional financing is obtained as a loan from the Public Works Administration. For other work the loan is procured from outside sources.

In instances where the Public Works Administration makes a loan, interest is charged and a time is specified during which the loan must be repaid in full.

No grants are made to commercial firms. For the most part commercial allotments have been made to railroads. Railroad work financed by Public Works Administration loans falls under three headings: First, construction work such as electrification, the laying of rails and ties, repairs to buildings, etc.; second, the building and

repairing of locomotives and passenger and freight cars in railroad shops; third, the building of locomotives and passenger and freight cars in commercial shops.

Data concerning employment created by railroad construction are shown in table 15, page 36. Employment in railway car and locomotive shops is shown in a separate table. (See table 17, page 38.)

Increases in employment over the previous month are shown on all types of Federal construction projects with the exception of river, harbor, and flood-control work, and water and sewerage construction. Railroad construction is the only type of non-Federal project on which employment failed to register a marked increase. Hourly earnings on Federal projects were somewhat lower than on non-Federal work. Workers on naval vessels drew the highest hourly pay on Federal projects, and street and road workers the lowest. On non-Federal projects the highest hourly earnings occurred in building construction and the lowest in railroad construction.

#### Comparison by Geographic Divisions

TABLE 16 shows, by geographic division, employment, pay rolls, and man-hours worked during April 1935 on Federal and non-Federal construction projects financed from public works funds.

Table 16.—Employment and Pay Rolls on Construction Projects Financed from Public Works Funds, April 1935

[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
	Maximum number employed <sup>1</sup>	Weekly average				
<b>Federal projects</b>						
All divisions <sup>2</sup> .....	217,071	208,842	\$13,186,273	20,939,339	\$0.630	* \$19,174,185
New England.....	9,944	9,672	908,077	1,199,823	.757	663,329
Middle Atlantic.....	18,745	18,103	1,490,136	2,019,405	.738	1,630,551
East North Central.....	16,184	14,950	834,815	1,225,312	.681	404,852
West North Central.....	37,548	36,203	1,852,777	2,575,068	.525	799,423
South Atlantic.....	40,898	39,399	2,824,508	4,364,247	.647	2,118,388
East South Central.....	27,410	26,464	1,515,209	2,704,118	.560	1,436,914
West South Central.....	27,035	26,723	1,011,467	2,286,044	.442	237,240
Mountain.....	19,194	18,427	1,594,113	2,369,444	.673	1,999,378
Pacific.....	14,814	14,075	1,415,578	1,706,343	.830	1,334,006
Outside continental United States.....	5,073	4,600	217,171	454,640	.478	394,742
<b>Non-Federal projects</b>						
All divisions.....	101,873	85,076	\$6,530,379	8,656,280	\$0.754	\$12,079,193
New England.....	10,673	8,593	658,329	825,142	.798	1,125,037
Middle Atlantic.....	19,958	16,599	1,546,525	1,752,303	.883	3,858,735
East North Central.....	12,965	10,847	914,250	1,028,024	.889	1,838,849
West North Central.....	11,986	9,893	690,367	982,449	.703	1,507,238
South Atlantic.....	19,297	17,182	1,394,193	2,215,778	.629	1,434,037
East South Central.....	5,114	4,162	212,820	339,569	.627	573,908
West South Central.....	9,201	7,238	384,570	634,391	.606	1,000,956
Mountain.....	2,047	1,604	112,890	141,858	.795	295,580
Pacific.....	9,840	8,341	690,225	683,038	.858	882,425
Outside continental United States.....	792	617	30,210	53,628	.563	62,728

<sup>1</sup> Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work. Includes weekly average for public-road projects.

<sup>2</sup> Includes data for 226 wage earners which cannot be charged to any specific geographic division.

\* Includes \$8,164,000 estimated value of material orders placed for public-road projects which cannot be charged to any specific geographic division.

Of the total of 319,000 workers engaged at the site of construction projects, more than 60,000 were employed in the South Atlantic States. Nearly 50,000 were working in the West North Central States. The West South Central States showed the lowest average earnings per hour on both Federal and non-Federal projects. The highest hourly earnings on Federal projects occurred in the Pacific States, and on non-Federal construction in the East North Central States.

Table 17 shows, by geographic divisions, employment, pay rolls, and man-hours worked in railway car and locomotive shops on work financed from the Public Works Administration fund during April 1935.

Table 17.—Employment and Pay Rolls in Railway Car and Locomotive Shops on Work Financed From Public Works Funds, April 1935

[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
	Maximum number employed <sup>1</sup>	Semi-monthly average				
Total, railroad and commercial shops.....	14, 101	(?)	\$1, 223, 089	1, 792, 093	\$0. 652	\$391, 788
<b>Railroad shops</b>						
All divisions.....	5, 713	5, 201	\$333, 807	463, 455	\$0. 720	\$391, 788
New England.....	491	491	56, 931	81, 276	. 700	14, 276
Middle Atlantic.....	3, 026	2, 716	150, 821	200, 700	. 751	65, 250
East North Central.....	460	422	21, 745	31, 351	. 694	19, 746
West North Central.....	1, 007	918	64, 807	90, 831	. 713	56, 317
South Atlantic.....	149	138	10, 546	16, 651	. 633	211, 516
Mountain.....	221	211	10, 799	16, 365	. 660	10, 377
Pacific.....	359	305	18, 158	26, 281	. 691	14, 306
<b>Commercial shops</b>						
All divisions.....	8, 388	(?)	\$89, 282	1, 328, 638	\$0. 669	(?)
New England.....	382	(?)	38, 179	65, 255	. 585	(?)
Middle Atlantic.....	7, 016	(?)	748, 336	1, 084, 714	. 690	(?)
East North Central.....	299	(?)	38, 358	49, 857	. 769	(?)
West North Central.....	690	(?)	64, 323	128, 698	. 500	(?)
South Atlantic.....	1	(?)	86	114	. 754	(?)

<sup>1</sup> Maximum number employed during either semimonthly period by each shop.

<sup>2</sup> Data not available.

As compared with the previous month, there was an increase in the number of workers engaged in the building and repairing of locomotives and passenger and freight cars.



## Monthly Trend

TABLE 18 shows employment, pay rolls, and man-hours worked on public works projects since the inception of the program in July 1933 to April 1935, inclusive.

Table 18.—Employment and Pay Rolls, July 1933 to April 1935, Inclusive, on Projects Financed from Public Works Funds

[Subject to revision]

Month and year	Maximum number of wage earners <sup>1</sup>	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
July 1933 to April 1935, inclusive		\$408,469,811	686,399,099	\$0.595	\$800,913,844
1933					
July	267	26,433	35,217	.751	
August	4,719	131,937	206,990	.637	202,100
September	39,535	1,784,996	3,296,162	.542	1,628,537
October	146,747	6,353,835	12,029,751	.528	23,351,150
November	255,512	11,552,547	21,759,245	.531	24,568,577
December	300,758	13,091,587	24,391,546	.537	25,702,750
1934					
January	298,069	12,646,241	23,409,908	.540	24,206,352
February	311,381	14,348,094	26,544,346	.541	25,269,537
March	307,274	14,113,247	25,501,446	.553	29,766,559
April	382,220	18,785,405	32,937,649	.570	36,526,223
May	506,056	25,942,387	46,032,698	.563	50,468,427
June	610,752	33,808,429	59,873,309	.565	60,797,939
July	644,729	34,845,461	60,736,768	.574	53,377,907
August	602,360	35,126,409	59,911,341	.586	53,282,956
September	549,624	31,688,655	51,852,890	.613	50,685,634
October	507,886	29,289,216	46,632,214	.628	50,234,495
November	470,467	28,791,297	46,454,108	.620	54,228,457
December	382,594	22,443,944	34,955,156	.642	45,683,081
1935					
January	304,723	18,462,677	27,478,022	.672	30,746,857
February	272,273	16,896,475	25,144,558	.672	29,264,484
March	281,461	17,400,798	26,008,063	.669	27,276,566
April	333,045	20,939,741	31,387,712	.667	31,645,166

<sup>1</sup> Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work. Includes weekly average for public-road projects.

<sup>2</sup> Includes orders placed for material for naval vessels prior to October 1933.

<sup>3</sup> Includes orders placed by railroads for new equipment.

Since the beginning of the program employees on Public Works Administration construction projects have been paid more than \$408,-000,000. Their earnings have averaged nearly 60 cents per hour. During this period practically \$800,000,000 has been expended for materials.

#### Value of Material Orders Placed

THE value of materials for which orders have been placed from the beginning of the public works program to April 1935, by type of material, is shown in table 19.

Table 19.—Value of Material Orders Placed for Public Works Projects, by Type of Material

[Subject to revision]

Type of material	Value of material orders placed—	
	From beginning of program to Mar. 15, 1935	During month ending Apr. 15, 1935
All materials.....	\$769,268,678	\$31,645,166
Aircraft (new).....	5,755,768	.....
Airplane parts.....	5,080,571	.....
Aluminum manufactures.....	232,390	12,327
Ammunition and related products.....	772,270	30,097
Asbestos products, not elsewhere classified.....	65,567	480
Awnings, tents, canvas, etc.....	183,786	21,184
Belting, miscellaneous.....	28,982	1,651
Boats, steel and wooden (small).....	1,281,973	5,262
Bolts, nuts, washers, etc.....	2,383,559	89,365
Brick, hollow tile, and other clay products.....	9,044,135	789,850
Carpets and rugs.....	44,786	325
Carriages and wagons.....	28,893	145
Cast-iron pipe and fittings.....	14,514,552	1,112,613
Cement.....	101,884,305	3,353,892
Chemicals.....	1,296,232	21,855
Coal.....	1,248,336	52,154
Compressed and liquefied gases.....	236,517	6,683
Concrete products.....	14,643,655	827,581
Copper products.....	517,655	24,528
Cordage and twine.....	225,368	7,697
Cork products, not elsewhere classified.....	76,983	3,623
Cotton goods.....	79,661	6,427
Cresote.....	511,215	27,152
Crushed stone.....	28,037,683	1,166,079
Doors, shutters, and window sash and frames, molding and trim (metal).....	3,628,172	291,493
Electric wiring and fixtures.....	3,961,402	503,685
Electrical machinery, apparatus, and supplies.....	38,626,299	1,084,048
Elevators and parts.....	506,800	185,219
Engines, turbines, tractors, and water wheels.....	8,419,803	717,535
Explosives.....	3,137,748	162,125
Felt goods.....	168,654	327
Firearms.....	772,981	.....
Forgings, iron, and steel.....	3,824,925	165,435
Foundry and machine-shop products, not elsewhere classified.....	80,607,185	2,964,758
Furniture, including store and office fixtures.....	1,725,397	146,339
Glass.....	663,068	60,345
Hardware, miscellaneous.....	3,750,416	274,125
Heating and ventilating equipment.....	6,888,155	622,169
Instruments, professional and scientific.....	1,656,988	27,077
Jute goods.....	54,340	3,484
Lead products.....	169,723	18,614
Lime.....	169,904	1,836
Linoleum.....	56,114	14,369
Locomotives, other than steam.....	11,813,333	.....
Locomotives, steam.....	6,837,064	.....
Lumber and timber products, not elsewhere classified.....	36,684,919	1,439,959
Machine tools.....	4,789,569	221,813
Marble, granite, slate, and other stone products.....	12,520,195	457,545
Mattresses and bed springs.....	15,805	248
Meters (gas, water, etc.) and gas generators.....	298,284	24,499
Minerals and earths, ground or otherwise treated.....	102,823	146
Models and patterns.....	14,094	688
Motorcycles and parts.....	274,395	.....
Motor vehicles, passenger.....	483,588	3,657
Motor vehicles, trucks.....	8,573,200	15,021
Nails and spikes.....	751,248	69,932
Nonferrous-metal alloys and products, not elsewhere classified.....	1,139,056	62,205
Paints and varnishes.....	1,729,709	36,082
Paper products.....	45,903	1,576
Paving materials and mixtures, not elsewhere classified.....	11,969,447	386,924
Petroleum products.....	22,693,459	1,062,180
Photographic apparatus and materials.....	158,646	470
Planing-mill products.....	4,386,377	191,393
Plumbing supplies, not elsewhere classified.....	7,472,616	393,760
Pumps and pumping equipment.....	8,686,181	481,052
Radio apparatus and supplies.....	658,878	8,848
Rail fastenings, excluding spikes.....	5,202,501	399,488
Rails, steel.....	18,013,011	770,831
Railway cars, freight.....	35,392,551	2,373
Railway cars, mail and express.....	429,443	.....
Railway cars, passenger.....	7,527,435	.....
Refrigerators, and refrigerating and ice-making machinery.....	603,736	8,496

**Table 19.**—Value of Material Orders Placed for Public Works Projects, by Type of Material—Continued

Type of material	Value of material orders placed—	
	From beginning of program to Mar. 15, 1935	During month ending Apr. 15, 1935
Roofing materials, not elsewhere classified.....	\$2, 286, 376	\$159, 804
Rubber goods.....	356, 431	14, 347
Sacks and bags.....	20, 593	519
Sand and gravel.....	48, 133, 886	1, 886, 834
Sheet-metal work.....	2, 237, 063	70, 286
Springs, steel.....	587, 917	695
Steam and other packing, pipe and boiler covering, and gaskets.....	669, 316	42, 441
Steel-works and rolling-mill products, other than steel rails, including structural and ornamental metal work.....	111, 276, 583	6, 558, 977
Stoves and ranges, other than electric.....	204, 505	394
Switches, railway.....	549, 910	25, 789
Theatrical scenery and stage equipment.....	36, 897	2, 308
Tiling, floor and wall, and terrazzo.....	1, 606, 718	156, 600
Tools, other than machine tools.....	3, 993, 738	116, 753
Upholstering materials, not elsewhere classified.....	116, 710	732
Wall plaster, wall board, insulating board, and floor composition.....	1, 946, 743	163, 147
Waste.....	24, 610	66
Window and door screens and weatherstrip.....	82, 224	2, 443
Window shades and fixtures.....	77, 983	6, 906
Wire products, not elsewhere classified.....	4, 333, 049	230, 553
Wrought pipe.....	694, 249	116, 676
Zinc products.....	27, 103	25, 910
Other materials.....	34, 345, 222	1, 169, 607

Since the inception of the public works program orders have been placed for materials valued at over \$800,000,000. It is estimated that in fabricating this material approximately 2,625,000 man-months of labor have been or will be created.

Approximately 100,000 man-months of labor will be created in the manufacture of material for which purchase orders were placed during April 1935. This accounts only for labor required in the fabrication of material in the form in which it is to be used. In the manufacture of brick, for example, only the labor employed in the manufacturing process is included. No estimate is made of the labor required in taking the clay from the pits or in transporting the clay and other materials used in the brick plant. In fabricating steel rails only labor in the rolling mills is counted—not labor created in mining, smelting, and transporting the ore, nor labor in the blast furnaces, the open-hearth furnaces, nor the blooming mills.

In obtaining data concerning the man-months of labor created in fabricating material, blanks are sent to each firm receiving a material order from the United States Government or from State governments or political subdivisions thereof, to be financed from the public works fund, asking them to estimate the number of man-hours of labor created in their plant in manufacturing the material specified in the contract. For materials purchased directly by contractors on the job, the Bureau estimates the man-months of labor created. This estimate is made by using the experience of the manufacturing plants as shown by the Census of Manufactures, 1933.

## Emergency-Work Program

THERE was a gain of 9,000 in the number of workers employed by the emergency-work program of the Federal Emergency Relief Administration, comparing the last week in April with the last week in March. Comparing the same two periods, pay rolls increased by \$250,000.

The number of employees and the amounts of pay rolls for workers on the emergency-work program for weeks ending March 28 and April 25 are shown in table 20.

Table 20.—Employment and Pay Rolls for Workers on Emergency-Work Program, Weeks Ending March 28 and April 25, 1935

[Subject to revision]

Geographic division	Number of employees week ending—		Amount of pay roll week ending—	
	Apr. 25	Mar. 28	Apr. 25	Mar. 28
All divisions.....	1,741,196	1,732,386	\$15,951,399	\$15,691,155
Percentage change.....	+ 51		+1.66	
New England.....	162,503	157,494	2,027,587	1,892,778
Middle Atlantic.....	228,768	221,996	3,657,037	3,473,086
East North Central.....	277,047	258,603	2,730,023	2,573,128
West North Central.....	283,683	302,809	2,024,194	2,232,396
South Atlantic.....	237,188	230,855	1,209,838	1,249,868
East South Central.....	159,350	145,904	804,604	703,987
West South Central.....	185,254	191,989	1,047,768	1,073,011
Mountain.....	61,192	66,425	608,242	677,834
Pacific.....	146,211	156,311	1,842,106	1,815,067

Increases in the number of workers employed on emergency-work projects were shown in five geographic divisions, and decreases in four.

Table 21 shows the number of employees and the amounts of pay rolls on the emergency-work program, by months, from the inception of the work in March 1934 to April 1935, inclusive.

Table 21.—Employment and Pay Rolls for Workers on Emergency-Work Program, March 1934 to April 1935

Month	Number of employees <sup>1</sup>	Amount of pay roll <sup>1</sup>	Month	Number of employees <sup>1</sup>	Amount of pay roll <sup>1</sup>
1934			1934—Continued.		
March.....	22,934	\$842,000	November.....	2,159,145	\$62,849,772
April.....	1,176,818	38,970,679	December.....	2,325,753	62,369,648
May.....	1,362,764	42,711,283			
June.....	1,504,008	42,419,720	1935		
July.....	1,725,517	47,367,349	January.....	2,472,091	71,685,663
August.....	1,924,173	54,921,432	February.....	2,459,717	63,906,282
September.....	1,950,227	50,290,050	March.....	2,401,579	62,596,378
October.....	1,996,716	53,904,948	April.....	2,416,639	62,892,027

<sup>1</sup> Revised.

There were fewer people employed on this program in April than during the previous months of 1934. It is estimated that there were 2,400,000 people employed on the emergency-work program of the Federal Emergency Relief Administration during April. This does not mean, however, that at any given week this total was reached. Because of the fact that a limit is placed on the earnings of employees, not more than 70 percent of this number are working at any one time.

### Emergency Conservation Work

THE number of men in Civilian Conservation Camps increased by 70,000 during the month of April. On April 30 there were over 368,000 men working on emergency conservation work. These men were paid over \$16,000,000 for their month's work.

In addition to their pay, the enrolled personnel received free board, clothing, and medical attention.

Data concerning employment and pay rolls for each type of worker engaged in emergency conservation work during the months of March and April 1935 are shown in table 22.

Table 22.—Employment and Pay Rolls in Emergency Conservation Work, March and April 1935

[Revised]

Group	Number of employees		Amount of pay rolls	
	April	March	April	March
All groups.....	368,537	294,952	\$16,401,114	\$14,187,741
Enrolled personnel.....	325,790	251,707	10,174,422	7,860,807
Reserve officers.....	6,687	6,660	1,669,062	1,660,396
Educational advisers <sup>1</sup> .....	1,451	1,483	241,550	236,808
Supervisory and technical <sup>2</sup> .....	<sup>3</sup> 34,609	<sup>4</sup> 35,102	<sup>3</sup> 4,316,080	<sup>4</sup> 4,429,740

<sup>1</sup> Included in executive service table.

<sup>2</sup> Includes carpenters, electricians, and laborers.

<sup>3</sup> 32,993 employees and pay roll of \$4,186,302 included in executive service table.

<sup>4</sup> 33,074 employees and pay roll of \$4,252,898 included in executive service table.

In addition to the increase in the enrolled personnel, there was a gain also in the number of reserve officers. There was a slight decrease in the number of educational advisers, and of the supervisory and technical employees, comparing April with March.

Information concerning employment and pay rolls for emergency conservation work is collected by the Bureau of Labor Statistics from the War Department, Department of Agriculture, Treasury Department, and the Department of the Interior. The pay of the enrolled personnel is figured as follows: 5 percent are paid \$45 per month; 8 percent, \$36 per month; and the remaining 87 percent, \$30 per month.

The number of employees and the amounts of pay rolls for each month, January 1934 to April 1935, inclusive, are presented in table 23.

**Table 23.—Monthly Totals of Employees and Pay Rolls in Emergency Conservation Work, January 1934 to April 1935**

Month	Number of employees	Amount of pay roll	Month	Number of employees	Amount of pay roll
1934			1934—Continued		
January.....	331,594	\$13,581,506	October.....	391,894	\$16,939,595
February.....	321,829	13,081,393	November.....	387,329	16,622,110
March.....	247,591	10,792,319	December.....	350,028	15,414,634
April.....	314,664	13,214,018	1935		
May.....	335,871	14,047,512	January.....	398,717	16,761,696
June.....	280,271	12,641,401	February.....	373,847	16,320,028
July.....	389,104	16,032,734	March.....	294,952	14,187,741
August.....	385,340	16,363,826	April.....	368,537	16,401,114
September.....	335,785	15,022,969			

<sup>1</sup> Revised.

### State Road Projects

EMPLOYMENT on State roads during April increased by approximately 35,000, a gain of nearly 30 percent as compared with the preceding month. April pay rolls amounted to over \$5,000,000.

The number of employees engaged in building and maintaining State roads during March and April 1935 is shown, by geographic divisions, in table 24.

**Table 24.—Employment on Construction and Maintenance of State Roads by Geographic Divisions, March and April 1935<sup>1</sup>**

Geographic division	New				Maintenance			
	Number of employees		Amount of pay roll		Number of employees		Amount of pay roll	
	April	March	April	March	April	March	April	March
All divisions.....	24,193	18,391	\$774,380	\$643,618	135,484	108,149	\$4,286,478	\$4,252,707
Percentage change.....	+31.5		+20.3		+25.3		+ .8	
New England.....	1,008	542	47,124	28,258	5,903	5,693	257,915	317,645
Middle Atlantic.....	1,510	750	71,136	47,189	35,199	22,645	867,205	728,676
East North Central.....	3,631	1,772	162,863	87,236	23,263	18,872	683,005	743,390
West North Central.....	2,563	1,622	73,591	52,398	12,291	11,385	414,591	426,837
South Atlantic.....	7,702	6,424	105,336	93,173	26,377	21,820	699,622	669,348
East South Central.....	1,553	1,367	35,553	36,244	11,329	7,692	203,256	215,584
West South Central.....	2,004	1,722	76,006	65,177	9,870	9,192	512,988	429,183
Mountain.....	1,383	1,350	69,777	85,631	5,152	4,315	287,745	296,724
Pacific.....	2,839	2,842	132,994	148,312	5,966	6,416	350,759	429,013
Outside continental United States.....					134	119	9,392	6,307

<sup>1</sup> Excluding employment furnished by projects financed from public works fund.

Of those employed on State road projects, 24,000 or 15.2 percent were working in building new roads and 135,000 or 84.8 percent in repairing and maintaining existing roads.

In table 25 is shown the number of employees engaged in the construction and maintenance of State roads during the months, January 1934 to April 1935, inclusive.

**Table 25.—Employment on Construction and Maintenance of State Roads, January 1934 to April 1935 <sup>1</sup>**

Month	Number of employees working on—			Total pay roll
	New roads	Maintenance	Total	
1934				
January.....	25,345	136,440	161,785	\$8,684,109
February.....	22,311	126,904	149,215	7,131,604
March.....	19,985	132,144	152,129	7,989,765
April.....	21,510	136,038	157,548	8,407,644
May.....	27,161	167,274	194,435	10,275,139
June.....	37,642	170,879	208,521	11,221,299
July.....	45,478	108,428	213,906	11,255,685
August.....	53,540	180,270	233,810	12,435,163
September.....	61,865	188,323	250,188	13,012,305
October.....	71,008	169,235	240,243	12,439,738
November.....	66,106	159,451	225,557	11,919,683
December.....	41,919	134,680	176,599	6,756,087
1935				
January.....	23,537	120,283	143,820	4,864,899
February.....	17,940	122,209	140,149	4,575,171
March.....	18,391	108,149	126,540	4,896,325
April.....	24,193	135,484	159,677	5,060,858

<sup>1</sup> Excluding employment furnished by projects financed from public works fund.

The various State governments employed more people during April 1935 in building new roads and in maintaining existing roads than were employed on either type of work during any of the previous months of 1935.

### Reconstruction Finance Corporation Construction Projects

MORE than 10,000 wage earners are still employed at the site of Reconstruction Finance Corporation construction projects. The number employed on this program in April totaled 800 more than were employed in March. The 10,300 workers were paid over \$1,000,000 during April.

In table 26 are presented data concerning employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation during April 1935, by type of project.

**Table 26.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, April 1935**

[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
All projects.....	10,300	\$1,007,424	1,389,072	\$0.725	\$2,517,175
Bridges.....	2,807	265,207	309,593	.857	1,134,977
Building construction.....	349	25,193	26,860	.938	114,329
Railroad construction.....	56	4,611	6,835	.675	3,485
Reclamation.....	967	42,901	107,214	.400	12,624
Water and sewerage.....	5,030	546,446	753,646	.725	881,679
Miscellaneous.....	1,091	123,066	184,924	.665	370,081

During April hourly earnings averaged 72½ cents, ranging from a low of 40 cents per hour on reclamation projects to a high of 94 cents per hour for building construction. More than \$2,500,000 worth of construction materials were purchased during the month.

The number of employees, the amounts of pay rolls, and the number of man-hours worked on construction projects financed by the Reconstruction Finance Corporation during April are given, by geographic divisions, in table 27.

**Table 27.—Employment and Pay Rolls for Projects Financed by the Reconstruction Finance Corporation, by Geographic Division, April 1935**

[Subject to revision]

Geographic division	Number of employees	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
All divisions.....	10,300	\$1,007,424	1,389,072	\$0.725	\$2,517,175
Middle Atlantic.....	571	37,474	42,196	.888	1,064,472
East North Central.....	457	42,833	39,620	1.081	24,711
East South Central.....	23	1,807	2,418	.747	1,985
West South Central.....	142	19,262	20,004	.963	-----
Mountain.....	967	42,901	107,214	.400	12,624
Pacific.....	8,140	863,147	1,177,620	.733	1,393,383

Four of the six geographic divisions in which these construction projects are located showed increases in employment, comparing April with March.

Table 28 shows data concerning employment, pay rolls, and man-hours worked during the months of April 1934 to April 1935, inclusive, on construction projects financed by the Reconstruction Finance Corporation.

**Table 28.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, April 1934 to April 1935**

[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
1934					
April.....	18,731	\$1,516,915	2,308,580	\$0.657	\$2,357,408
May.....	19,429	1,649,920	2,358,966	.699	2,143,864
June.....	19,022	1,676,075	2,314,136	.724	2,230,065
July.....	17,475	1,612,848	2,141,945	.753	2,402,174
August.....	17,221	1,697,161	2,282,181	.744	2,384,887
September.....	16,809	1,637,047	2,203,881	.743	2,579,969
October.....	17,482	1,596,996	2,181,846	.732	2,274,174
November.....	16,502	1,621,468	2,233,928	.726	2,856,371
December.....	14,321	1,337,719	1,859,226	.720	2,440,620
1935					
January.....	11,180	1,054,708	1,484,190	.711	3,966,718
February.....	10,373	1,048,593	1,457,662	.719	5,028,547
March.....	9,586	890,333	1,253,493	.710	1,072,886
April.....	10,300	1,007,424	1,389,072	.725	2,517,175



Although there was a gain of approximately 800 in the number of employees in April as compared with the preceding month, there was a decrease of more than 8,000 as compared with April 1934.

The value of materials for which orders have been placed since March 15, 1934, by contractors working on Reconstruction Finance Corporation construction projects is given in table 29, by type of material.

**Table 29.—Value of Material Orders Placed for Projects Financed by the Reconstruction Finance Corporation, by Type of Material**

Type of material	Value of material orders placed—	
	From Mar. 1934 to Mar. 15, 1935	During period Mar. 15 to Apr. 15, 1935
All material.....	\$31,737,683	\$2,517,175
Asphalt and paving materials.....	31,453	.....
Bolts, nuts, rivets, etc.....	9,115	.....
Cast-iron pipe and fittings.....	388,074	14,278
Cement.....	1,490,368	86,938
Clay products.....	328,601	20,926
Coal.....	52,689	.....
Compressed and liquefied gases.....	46,861	5,098
Concrete products.....	1,489,514	78,428
Copper products.....	1,750,622	207,625
Cordage and twine.....	6,819	.....
Cotton goods.....	51,522	3,175
Crushed stone.....	37,477	.....
Electrical machinery and supplies.....	940,836	30,993
Explosives.....	993,836	48,059
Felt goods, etc.....	4,447	.....
Foundry and machine-shop products, not elsewhere classified.....	2,389,830	251,927
Fuel oil.....	49,241	.....
Gasoline.....	358,938	20,001
Glass.....	3,157	.....
Hardware, miscellaneous.....	472,543	106,035
Insulation materials.....	67,437	.....
Lime.....	8,850	.....
Lubricating oils and greases.....	36,101	2,045
Lumber and timber products.....	1,279,745	52,965
Marble, granite, slate, and other stone products.....	102,402	2,137
Motor vehicles and supplies.....	132,834	1,230
Paints and varnishes.....	30,060	.....
Plumbing supplies.....	232,530	9,231
Pumps and pumping equipment.....	12,844	.....
Rails, railway.....	30,318	2,157
Roofing.....	4,516	.....
Rubber goods.....	38,790	2,439
Sand and gravel.....	451,112	19,449
Sheet-metal works.....	54,518	21,833
Steam and hot-water heating apparatus.....	69,619	.....
Steel-works and rolling-mill products.....	16,687,784	1,443,863
Tools.....	82,393	5,717
Wire and wirework, not elsewhere classified.....	267,722	3,680
Other.....	1,247,165	76,946

Purchase orders have been placed for materials valued at more than \$34,000,000 during the 13-month period ending April 15. Of this amount more than half has been spent for steel-works and rolling-mill products.

## Employment on Construction Projects Financed from Regular Governmental Appropriations

THE number of employees working at the site of construction projects financed from governmental appropriations made by the Congress direct to the various executive departments showed a gain of nearly 8,000 in April. During this month nearly 22,300 workers were employed at the site of these construction projects. These men were paid nearly \$1,400,000.

Increases were shown in the number of workers employed on all types of construction except water and sewerage systems. The pick-up was especially pronounced in river, harbor, and flood-control work and building construction.

Whenever a construction contract is awarded or force-account work is started by a department or unit of the Federal Government, the Bureau of Labor Statistics is immediately notified, on forms supplied by the Bureau, of the name and address of the contractor, the amount of the contract, and the type of work to be performed. Blanks are then mailed to the contractor or the Government agency doing force-account work, who returns the report to the Bureau showing the number of men on the pay rolls, the amount of the pay rolls, the number of man-hours worked on the job, and the value of different kinds of material for which orders have been placed.

The following tables show data concerning such construction work on which work started subsequent to July 1, 1934. The Bureau has no information concerning projects which were under way previous to that date.

Table 30 gives, for the month of April 1935, employment, pay rolls, and man-hours worked on construction projects started since July 1, 1934, which are financed from direct appropriations made to the various Federal departments and agencies, by type of project.

Table 30.—Employment on Construction Projects Financed from Regular Governmental Appropriations, by Type of Project, April 1935

[Subject to revision]

Type of project	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Maximum number employed <sup>1</sup>	Weekly average				
All projects.....	22,270	20,099	\$1,378,616	2,194,452	\$0.628	\$2,562,404
Building construction.....	5,139	4,143	265,323	353,497	.751	419,157
Public roads <sup>2</sup> .....	(4)	1,961	97,448	156,245	.621	212,955
River, harbor, and flood control.....	8,275	7,820	528,708	992,711	.533	372,781
Streets and roads.....	2,214	1,978	71,513	164,807	.434	45,624
Naval vessels.....	3,324	3,083	358,806	434,908	.825	1,420,648
Water and sewerage.....	158	127	11,177	16,140	.693	5,250
Miscellaneous.....	1,199	987	45,641	76,144	.599	85,980

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

<sup>2</sup> Includes weekly average for public roads.

<sup>3</sup> Estimated by the Bureau of Public Roads.

<sup>4</sup> Not available; average number included in total.

During the month of April earnings per hour in this construction work averaged 63 cents. In the construction of naval vessels workers averaged 82½ cents, and in street and road work 43 cents.

Table 31 shows by geographic divisions, for the month of April, employment, pay rolls, and man-hours worked on construction projects started since July 1, which are financed from regular governmental appropriations.

**Table 31.—Employment on Construction Projects Financed from Regular Governmental Appropriations by Geographic Division, April 1935**

[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
	Maximum number employed <sup>1</sup>	Weekly average				
All divisions.....	22,270	20,099	\$1,378,616	2,194,452	\$0.628	<sup>2</sup> \$2,562,404
New England.....	1,516	1,386	119,263	144,478	.825	520,605
Middle Atlantic.....	2,695	2,256	187,903	244,650	.770	498,404
East North Central.....	1,520	1,321	87,969	122,099	.720	131,858
West North Central.....	2,568	2,351	83,050	149,845	.554	103,680
South Atlantic.....	4,978	4,545	389,446	587,844	.662	661,770
East South Central.....	1,195	992	69,671	143,145	.487	89,023
West South Central.....	3,677	3,316	219,642	462,605	.475	147,484
Mountain.....	1,773	1,697	75,661	133,343	.567	17,885
Pacific.....	1,833	1,751	125,120	171,002	.731	178,060
Outside continental United States.....	515	484	20,801	35,942	.579	680

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

<sup>2</sup> Includes \$212,955 estimated value of orders placed for public-roads projects which cannot be charged to any specific geographic division.

All nine of the geographic divisions in continental United States showed decided increases in employment, comparing April with March. The pick-up was especially pronounced in the South Atlantic and the West South Central States. The highest hourly wage was paid in the New England States and the lowest in the West South Central States.

Data concerning employment, pay rolls, and man-hours worked on construction projects starting since July 1, 1934, which are financed from appropriations made by the Congress direct to the Federal departments and agencies, are shown in table 32 for the months of August 1934 to April 1935, inclusive.

**Table 32.—Employment on Construction Projects, Financed from Regular Governmental Appropriations, August 1934 to April 1935**

[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
1934					
August.....	5,601	\$329,440	557,747	\$0.591	\$150,506
September.....	9,800	493,363	773,685	.638	842,292
October.....	13,593	689,604	1,103,523	.625	982,835
November.....	18,211	1,014,945	1,690,488	.600	3,334,648
December.....	16,276	859,998	1,468,741	.586	1,960,441
1935					
January.....	12,784	669,199	1,062,118	.630	3,163,946
February.....	13,106	704,190	1,102,864	.639	1,962,087
March.....	14,659	862,886	1,359,043	.635	2,709,912
April.....	22,270	1,378,616	2,194,452	.628	2,562,404

During this 9-month period purchase orders have been placed for material valued at over \$17,000,000. Orders for various types of steel continued to make up the largest single item in the list.

The following table 33 shows the value of material orders placed during the period, July 1, 1934, to March 15, 1935, for use on construction projects financed from direct governmental appropriations, by type of material.

**Table 33.—Material Orders Placed for Use on Construction Projects Financed from Regular Governmental Appropriations, by Type of Material**

Type of material	Value of material orders placed—	
	From July 1934 to Mar. 15, 1935	During period Mar. 15 to Apr. 15, 1935
All material.....	\$14,962,161	\$2,562,404
Bolts, nuts, rivets, etc.....	31,018	7,733
Brick and hollow tile.....	97,685	28,222
Cast-iron pipe and fittings.....	43,853	13,490
Cement and lime.....	435,358	134,132
Coal.....	151,912	32,229
Concrete products.....	97,279	14,764
Copper products.....	54,972	7,419
Cordage and twine.....	8,324	1,258
Crushed stone.....	129,340	28,014
Electric wiring and fixtures.....	185,967	14,663
Electrical machinery and supplies.....	967,413	211,700
Elevators and parts.....	91,462	6,055
Engines, turbines, tractors, etc.....	2,226,756	214,003
Explosives.....	18,876	2,526
Forgings.....	313,680	121,428
Foundry and machine-shop products, not elsewhere classified.....	1,224,448	269,972
Glass.....	13,682	2,423
Hardware.....	93,354	18,108
Heating and ventilating equipment.....	231,999	35,828
Lumber and timber products.....	838,714	128,666
Machine tools.....	22,096	3,072
Marble, granite, slate, and other stone products.....	263,741	31,566

**Table 33.—Material Orders Placed for Use on Construction Projects Financed from Regular Governmental Appropriations, by Type of Material—Continued**

Type of material	Value of material orders placed—	
	From July 1934 to Mar. 15, 1935	During period Mar. 15 to Apr. 15, 1935
Metal doors, etc.....	\$146, 188	\$10, 685
Motor vehicles.....	8, 262	1, 576
Nails and spikes.....	15, 134	2, 131
Paints and varnishes.....	108, 326	11, 862
Paving mixtures.....	61, 984	8, 544
Petroleum products.....	413, 267	141, 632
Planing mill products.....	58, 586	20, 822
Plumbing supplies.....	151, 060	20, 801
Pumps and pumping equipment.....	621, 876	28, 345
Rails.....	4, 409	1, 705
Refrigerating equipment.....	36, 143	.....
Roofing materials.....	69, 613	14, 408
Rubber.....	1, 231	.....
Sand and gravel.....	240, 545	70, 302
Sheet-metal work.....	85, 302	3, 600
Steel-works and rolling-mill products.....	1, 495, 416	338, 332
Steel, structural and reinforcing.....	3, 073, 790	415, 702
Tiling, floor and wall, and terrazzo.....	9, 192	1, 523
Tools, other than machine tools.....	18, 303	10, 448
Wall plaster, wall board, and insulating board.....	68, 513	4, 126
Waterproofing materials.....	6, 678	1, 771
Wire products, not elsewhere classified.....	112, 528	28, 303
Other.....	592, 888	98, 515

## Wage-Rate Changes in American Industry

### Manufacturing Industries

THE following table presents information concerning wage-rate adjustments occurring between March 15 and April 15, 1935, as shown by reports from 24,648 establishments employing 3,884,987 workers in April.

Six hundred and twenty-six establishments in 37 industries reported wage-rate increases averaging 5.3 percent and affecting 98,231 employees.

The outstanding wage-rate adjustment was a 5-percent increase given to 80,083 wage earners in steam railroad repair shops. This was the third increase given since the 10-percent wage cut of February 1932 and completed the return to the wage rates which were in effect prior to that date. Other industries which reported wage-rate increases affecting more than 1,000 workers each were: Cars, electric and steam railroad (6,205), carpets and rugs (3,935), rayon and allied products (1,190), and dyeing and finishing textiles (1,004).

Decreases in wage rates were reported by 12 establishments in 6 industries. The average decrease was 16.7 percent and only 470 workers were affected.

Table 34.—Wage-Rate Changes in Manufacturing Industries During Month Ending April 15, 1935

Industry	Estab-lish-ments report-ing	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases	No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases
All manufacturing industries....	24,648	3,884,987	24,010	626	12	3,786,286	98,231	470
Percent of total.....	100.0	100.0	97.4	2.5	(1)	97.5	2.5	(1)
Iron and steel and their prod-ucts, not including ma-chinery:								
Blast furnaces, steel works, and rolling mills.....	254	281,043	254			281,043		
Bolts, nuts, washers, and rivets.....	49	8,838	48	1		8,823	15	
Cast-iron pipe.....	51	8,789	51			8,789		
Cutlery (not including silver and plated cutlery) and edge tools.....	167	14,054	166	1		14,038	16	
Forgings, iron and steel.....	94	11,566	93	1		11,471	95	
Hardware.....	103	32,993	103			32,993		
Plumbers' supplies.....	95	14,342	95			14,342		
Steam and hot-water heat-ing apparatus and steam fittings.....	84	19,379	84			19,379		
Stoves.....	210	26,533	208	2		26,476	57	
Structural and ornamental metal work.....	312	21,303	312			21,303		
Tin cans and other tinware.....	96	18,324	96			18,324		
Tools (not including edge tools, machine tools, files, and saws).....	143	11,356	141	2		11,321	35	
Wire work.....	112	14,697	110	2		14,476	221	
Machinery, not including trans-portion equipment:								
Agricultural implements.....	76	25,323	76			25,323		
Cash registers, adding ma-chines, and calculating machines.....	25	15,181	25			15,181		
Electrical machinery, appa-ratus, and supplies.....	389	127,507	386	3		127,413	94	
Engines, turbines, tractors, and water wheels.....	108	48,099	108			48,099		
Foundry and machine-shop products.....	1,562	151,286	1,554	8		150,903	383	
Machine tools.....	197	24,589	194	3		24,393	196	
Radios and phonographs.....	48	30,499	48			30,499		
Textile machinery and parts.....	151	16,730	151			16,730		
Typewriters and parts.....	12	10,142	12			10,142		
Transportation equipment:								
Aircraft.....	31	7,553	31			7,553		
Automobiles.....	316	384,632	315	1		384,612	20	
Cars, electric- and steam-rail.....	65	21,511	59	6		15,306	6,205	
Locomotives.....	14	4,656	14			4,656		
Shipbuilding.....	113	33,803	113			33,803		
Railroad repair shops:								
Electric railroad.....	378	20,523	370	8		20,131	392	
Steam railroad.....	530	80,083		530			80,083	
Nonferrous metals and their products:								
Aluminum manufactures... ..	34	7,559	34			7,559		
Brass, bronze, and copper products.....	270	45,097	269	1		45,079	18	
Clocks and watches and time-recording devices.....	28	11,841	28			11,841		
Jewelry.....	202	10,526	202			10,526		
Lighting equipment.....	71	4,008	71			4,008		
Silverware and plated ware.....	45	9,009	45			9,009		
Smelting and refining—copper, lead, and zinc.....	40	17,809	39	1		17,688	121	
Stamped and enameled ware.....	199	24,698	193	3	3	24,582	66	50
Lumber and allied products:								
Furniture.....	567	57,034	563	3	1	56,492	526	16
Lumber:								
Millwork.....	573	26,648	570		3	26,489		159
Sawmills.....	600	73,932	597	1	2	73,789	6	137
Turpentine and rosin.....	35	2,798	35			2,798		

<sup>1</sup> Less than 1/10 of 1 percent.

Table 34.—Wage-Rate Changes in Manufacturing Industries During Month Ending April 15, 1935—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	520	20,200	520			20,200		
Cement	140	18,200	140			18,200		
Glass	160	51,753	160			51,753		
Marble, granite, slate, and other products	225	4,199	225			4,199		
Pottery	124	19,744	123	1		19,557	187	
Textiles and their products:								
Fabrics:								
Carpets and rugs	31	19,183	30	1		15,248	3,935	
Cotton goods	661	279,093	661			279,093		
Cotton small wares	127	11,467	127			11,467		
Dyeing and finishing textiles	171	45,605	170	1		44,601	1,004	
Hats, fur-felt	61	8,500	61			8,500		
Knit goods	477	109,503	476	1		109,485	18	
Silk and rayon goods	273	45,239	272		1	45,229		10
Woolen and worsted goods	538	137,440	536	2		137,352	88	
Wearing apparel:								
Clothing, men's	1,653	130,140	1,653			130,140		
Clothing, women's	698	50,346	696		2	50,248		98
Corsets and allied garments	42	6,988	42			6,988		
Men's furnishings	84	6,999	84			6,999		
Millinery	119	7,770	119			7,770		
Shirts and collars	163	23,138	163			23,138		
Leather and its manufactures:								
Boots and shoes	353	124,968	353			124,968		
Leather	173	35,295	173			35,295		
Food and kindred products:								
Baking	1,110	69,242	1,107	3		69,179	63	
Beverages	530	27,789	526	4		27,089	700	
Butter	333	4,747	329			4,683	64	
Canning and preserving	737	51,059	736	1		51,030	29	
Confectionery	303	32,884	303			32,884		
Flour	380	15,072	380			15,072		
Ice cream	322	9,336	321	1		9,306	30	
Slaughtering and meat pack-ing	301	89,230	300	1		89,129	101	
Sugar, beet	67	3,423	67			3,423		
Sugar refining, cane	14	9,429	13	1		8,665	764	
Tobacco manufactures:								
Chewing and smoking to-bacco and snuff	36	7,762	36			7,762		
Cigars and cigarettes	224	46,062	224			46,062		
Paper and printing:								
Boxes, paper	726	35,345	725	1		35,337	8	
Paper and pulp	432	112,403	429	3		112,252	151	
Printing and publishing:								
Book and job	1,353	58,546	1,347	6		58,419	127	
Newspapers and peri-odicals	612	55,404	602	10		54,521	883	
Chemicals and allied products, and petroleum refining:								
Other than petroleum re-fining:								
Chemicals	147	32,509	147			32,509		
Cottonseed—oil, cake, and meal	97	3,404	97			3,404		
Druggists' preparations	77	9,431	77			9,431		
Explosives	31	4,087	31			4,087		
Fertilizers	350	20,141	349	1		20,103	38	
Paints and varnishes	639	22,438	633	6		22,136	302	
Rayon and allied prod-ucts	28	46,854	27	1		45,664	1,190	
Soap	115	16,307	115			16,307		
Petroleum refining	201	65,271	201			65,271		
Rubber products:								
Rubber boots and shoes	12	12,768	12			12,768		
Rubber goods, other than boots, shoes, tires, and in-ner tubes	188	30,743	188			30,743		
Rubber tires and inner tubes	41	58,238	41			58,238		

## Trade, Public Utility, Mining, and Service Industries

TABLE 35 presents data concerning wage-rate changes occurring between March 15 and April 15, which were reported by cooperating establishments in 16 trade, public utility, mining, and service industries.

Seventy-six electric light and power establishments reported increases which averaged 5.3 percent and affected 4,714 workers, and 8 electric-railroad and motor-bus companies gave increases averaging 4.8 percent to 2,240 employees. At 12 metalliferous mines 1,377 wage earners received wage-rate increments which averaged 9.7 percent and a 5-percent increase was reported for 1,015 workers in 4 bituminous-coal mines.

Table 35.—Wage-Rate Changes in Nonmanufacturing Industries During Month Ending Apr. 15, 1935

Industrial group	Estab-lish-ments report-ing	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases	No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases
Anthracite mining.....	160	73,070	160	-----	-----	73,070	-----	-----
Percentage of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Bituminous-coal mining.....	1,459	237,894	1,455	4	-----	236,879	1,015	-----
Percentage of total.....	100.0	100.0	99.7	0.3	-----	99.6	0.4	-----
Metalliferous mining.....	259	80,470	247	12	-----	29,093	1,377	-----
Percentage of total.....	100.0	100.0	95.4	4.6	-----	95.5	4.5	-----
Quarrying and nonmetallic mining.....	1,127	30,549	1,123	4	-----	30,346	203	-----
Percentage of total.....	100.0	100.0	99.6	0.4	-----	99.3	0.7	-----
Crude-petroleum producing.....	301	30,314	301	-----	-----	30,314	-----	-----
Percentage of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Telephone and telegraph.....	9,760	259,747	9,760	-----	-----	259,747	-----	-----
Percentage of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Electric light and power and manufactured gas.....	2,760	242,729	2,684	76	-----	238,015	4,714	-----
Percentage of total.....	100.0	100.0	97.2	2.8	-----	98.1	1.9	-----
Electric-railroad and motor-bus operation and maintenance.....	479	134,711	471	8	-----	132,471	2,240	-----
Percentage of total.....	100.0	100.0	98.3	1.7	-----	98.3	1.7	-----
Wholesale trade.....	16,820	296,015	16,735	82	3	295,628	357	30
Percentage of total.....	100.0	100.0	99.5	0.5	( <sup>1</sup> )	99.9	0.1	( <sup>1</sup> )
Retail trade.....	54,543	879,495	54,485	50	8	879,271	189	35
Percentage of total.....	100.0	100.0	99.9	0.1	( <sup>1</sup> )	100.0	( <sup>1</sup> )	( <sup>1</sup> )
Hotels.....	2,416	143,834	2,416	-----	-----	143,834	-----	-----
Percentage of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Laundries.....	1,339	73,613	1,327	11	1	73,247	248	118
Percentage of total.....	100.0	100.0	99.1	0.8	0.1	99.5	0.3	0.2
Dyeing and cleaning.....	726	17,767	723	2	1	17,733	23	11
Percentage of total.....	100.0	100.0	99.6	0.3	0.1	99.8	0.1	0.1
Banks.....	2,962	95,294	2,960	2	-----	95,266	28	-----
Percentage of total.....	100.0	100.0	99.9	0.1	-----	100.0	( <sup>1</sup> )	-----
Brokerage.....	364	10,246	360	2	2	10,177	32	37
Percentage of total.....	100.0	100.0	98.9	0.5	0.5	99.3	0.3	0.4
Insurance.....	1,126	71,011	1,120	6	-----	70,907	104	-----
Percentage of total.....	100.0	100.0	99.5	0.5	-----	99.9	0.1	-----

<sup>1</sup> Less than 1/10 of 1 percent.

