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FRANCES PERKINS, *Secretary*
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ISADOR LUBIN, *Commissioner*

Trend of Employment

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Prepared by Division of Employment Statistics
LEWIS E. TALBERT, *Chief*
and
Division of Public Employment
HERMAN B. BYER, *Chief*

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TREND OF EMPLOYMENT

Trend of Employment, January 1935

THE Bureau of Labor Statistics of the United States Department of Labor presents herewith data compiled from pay-roll reports supplied by representative establishments in 90 of the principal manufacturing industries of the country and 18 nonmanufacturing industries, covering the pay period ending nearest the 15th of the month. Additional information is presented concerning employment on Public Works Administration projects, public roads, the Federal service, and class I steam railroads.

Manufacturing Industries

INCREASES in factory employment and pay rolls were shown in January 1935, as compared with December 1934. These increases are particularly significant as employment and pay rolls usually decline in January. During the preceding 15 years for which data are available, gains in employment in January have been shown in only three instances (1920, 1923, and 1925), and pay rolls have declined in January of each year with one exception (1920). Pay rolls in January usually decrease more sharply than employment due to inventory taking and repairs, and, in some instances, where the pay period reported covers more than a 1-week period, the observance of the New Year holiday.

Employment increased 0.9 percent from December to January and pay rolls increased 1.4 percent. Gains in employment were shown in 38 of the 90 manufacturing industries surveyed and increases in pay rolls were reported in 40 industries. Among the industries of major importance in which gains were reported in January, were: automobiles; blast furnaces, steel works, and rolling mills; foundries and machine shops; machine tools; men's clothing; women's clothing; boots and shoes; silk and rayon goods; and woolen and worsted goods.

The Bureau of Labor Statistics' index of factory employment for January 1935 is 78.7, and the January index of factory pay rolls is 64.1. Employment in January 1935 was 7.4 percent above the level of January 1934, and pay rolls were 18.7 percent higher. The base used in computing these indexes is the average for the 3-year period, 1923-25, which is taken as 100.

Comparing January 1935 with January 1934 there were gains in employment in 68 of the 90 manufacturing industries and increases in pay rolls in 80 of the industries.

The indexes of factory employment and pay rolls are computed from data supplied by representative establishments in 90 important manufacturing industries of the country. Reports were received in January from 23,103 establishments employing 3,461,364 workers, whose weekly earnings were \$69,238,304 during the pay period ending nearest January 15. The employment reports received from these cooperating establishments cover more than 50 percent of the total wage earners in all manufacturing industries of the country.

The gains in factory employment and pay rolls from December 1934 to January 1935 were particularly pronounced in the durable-goods group of industries, in which net increases of 2.8 percent in employment and 4.2 percent in pay rolls were shown. Employment in the nondurable-goods group decreased 0.4 percent, and pay rolls fell off 0.6 percent over the month interval. The durable-goods group is composed of the following subgroups: IRON AND STEEL, MACHINERY, TRANSPORTATIONS EQUIPMENT, RAILROAD REPAIR SHOPS, NONFERROUS METALS, LUMBER AND ALLIED PRODUCTS, and STONE-CLAY-GLASS. The index numbers of employment and pay rolls for the durable- and nondurable-goods groups are presented in table 4 for the months January 1923 to January 1935, inclusive.

The outstanding gains in both employment and pay rolls over the month interval were in the automobile industry, in which a continuation of the sharp increases reported in the preceding month was shown. Employment in automobile establishments increased 21.6 percent from December to January and pay rolls rose 20.6 percent, reflecting increased production of new models. Seasonal activity was evidenced in the employment gains of a number of other industries.

The most pronounced decreases in employment from December to January were largely seasonal. The seasonal decline in the baking industry was further accentuated by labor difficulties in certain localities, resulting in a cessation of operations in January in the plants affected. The industry showed a decline of 7.5 percent in employment. The decrease of 17.1 percent in employment in the locomotive industry was due primarily to completion of orders placed through Public Works Administration.

Per capita weekly earnings in all manufacturing industries combined rose 0.5 percent from December 1934 to January 1935, and 10.4 percent from January 1934 to January 1935. Gains over the month interval were shown in 35 of the 90 individual manufacturing industries surveyed and ranged from 0.1 percent to 52.1 percent.

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

Man-hour data supplied by identical establishments in December 1934 and January 1935 showed no change over the month interval in average hours worked per week for all manufacturing industries combined and an increase of 0.4 percent in average hourly earnings. Thirty-seven of the industries covered showed increases in average hours worked and 49 reported increased hourly earnings. As all reporting establishments do not furnish man-hour information, the Bureau's figures on average hours worked per week and average hourly earnings are necessarily computed from data furnished by a smaller number of establishments than are covered in the monthly survey of manufacturing industries. Average hours worked per week and average hourly earnings are presented for only those manufacturing industries for which available information covers at least 20 percent of all the employees in the industry.

In table 1 are shown indexes of employment and pay rolls in January 1935 for each of the 90 manufacturing industries surveyed, for the 14 major groups and 2 subgroups into which these industries are classified, for manufacturing as a whole, and for the durable- and nondurable-goods groups, together with percentage changes from December and January 1934. Per capita weekly earnings in January 1935, together with percentage changes from the preceding month and from January of the preceding year for each of the 90 manufacturing industries and for manufacturing as a whole are also presented in this table. Average hours worked per week in January 1935 and average hourly earnings, together with percentage changes from December and January 1934 are likewise presented for manufacturing as a whole and for each industry for which man-hour data covering at least 20 percent of the total employees in the industry were received.

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

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index January 1935 (3-year average 1923-25 = 100)	Percentage change from—		Index January 1935 (3-year average 1923-25 = 100)	Percentage change from—		Average in January 1935	Percentage change from—		Average in January 1935	Percentage change from—		Average in January 1935	Percentage change from—	
		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934
All industries ²	78.7	+0.9	+7.4	64.1	+1.4	+18.7	\$20.00	+0.5	+10.4	35.2	(*)	+4.3	Cents ³ 56.4	+0.4	+5.8
Durable goods group.....	66.0	+2.6	+10.4	52.5	+4.2	+26.2									
Iron and steel and their products, not including machinery	67.8	+1.8	+6.8	51.9	+9.9	+26.3									
Blast furnaces, steel works, and rolling mills.....	69.4	+3.7	+6.8	53.9	+16.0	+30.8	21.19	+11.9	+22.7	32.7	+13.5	+12.5	65.1	-1.5	+9.6
Bolts, nuts, washers, and rivets.....	80.8	+8.1	+8.3	62.3	+16.1	+27.9	19.51	+7.4	+18.5	34.8	+6.4	+14.5	56.1	+7	+4.5
Cast-iron pipe.....	49.9	+2.8	-1.4	26.8	-2.1	-4.3	14.83	-4.9	-2.7	29.5	-4.8	-5.6	49.7	-1.2	+2.9
Cutlery (not including silver and plated cutlery), and edge tools.....	75.8	-1.1	+7.4	55.5	-3.7	+13.7	20.28	-2.7	+5.7	37.5	-1.1	+1.4	54.3	-1.1	+4.2
Forgings, iron and steel.....	57.4	+4.5	+8.1	45.3	+4.2	+21.8	22.12	-3	+12.9	37.4	-8	+4.1	59.8	+3	+10.9
Hardware.....	51.6	+2.3	-25.2	41.7	+1.6	-16.1	17.80	-7	+12.5	35.7	+8	+14.1	49.7	-1.4	-3.5
Plumbers' supplies.....	67.0	+4.4	+58.4	40.4	+1.4	+107.2	18.96	-2.9	+31.1	35.8	+6	+25.9	52.9	-3.5	+6.0
Steam and hot-water heating apparatus and steam fittings.....	47.9	-1.3	+9.1	31.0	-1.2	+20.2	21.16	+1	+10.2	34.9	-9	+1	60.2	+1.2	+8.9
Stoves.....	81.0	-6.0	+24.6	55.4	-9.3	+47.7	18.74	-3.6	+18.7	34.4	-2.5	+9.9	54.2	-2.5	+4.1
Structural and ornamental metal work.....	55.9	-3.0	+8.3	39.5	+6	+23.8	19.80	+3.7	+13.4	33.9	+4.3	+7.6	58.2	-7	+6.0
Tin cans and other tinware.....	85.0	-6	+7.5	80.7	+1.3	+13.5	19.86	+2.0	+5.4	37.2	+1.6	+6.1	53.3	+4	-1.6
Tools (not including edge tools, machine tools, files, and saws).....	60.9	+2.6	+3.0	54.1	+3.8	+18.6	20.31	+1.1	+14.9	36.9	+5	+7	55.1	+7	+16.6
Wirework.....	120.7	-4.3	+9	102.7	-4.2	+12.0	19.07	+1	+11.0	35.4	-1.1	+4.6	53.8	+1.3	+5.9
Machinery, not including transportation equipment	79.6	+1.4	+13.7	66.8	+1.9	+27.7									
Agricultural implements.....	89.6	+6.9	+36.2	97.5	+6.9	+49.5	23.36	(*)	+9.5	38.9	+3	+9	60.1	-5	+11.0
Cash registers, adding machines, and calculating machines.....	101.7	+1.8	+5.9	79.2	-3.1	+7.0	25.79	-4.8	+1.0	37.8	-6.0	-4.8	68.9	+1.0	+5.7
Electrical machinery, apparatus, and supplies.....	65.9	+4	+14.0	52.4	+4	+37.2	22.06	(*)	+20.6	34.8	-3	+9.5	62.2	+3	+9.1
Engines, turbines, tractors, and water wheels.....	79.5	+3.7	+33.2	54.5	+3.4	+43.1	24.80	-4	+10.8	37.5	-1.3	+3.7	66.1	+9	+6.8
Foundry and machine-shop products.....	69.2	+3.6	+13.1	51.5	+3.8	+24.7	20.95	+2	+10.5	35.1	+9	+5.0	59.7	-7	+5.6
Machine tools.....	73.1	+1.3	+24.1	58.2	+3.2	+30.8	23.74	+1.9	+5.3	38.7	+1.8	-5	61.4	+2	+4.7

Radios and phonographs.....	191.4	-7.9	+5.3	112.5	-14.8	+18.3	18.44	-7.5	+12.3	32.2	-8.8	+4.7	57.5	+1.2	+8.8
Textile machinery and parts.....	64.1	+2.6	-9.8	52.0	+2.3	-9.6	22.29	-3	+1.3	36.1	-1.1	-2.5	61.7	+7	+3.3
Typewriters and parts.....	101.5	-2.8	+18.4	85.3	-12.4	+29.2	21.79	-9.8	+9.1	37.8	-9.1	-2.2	57.6	-5	+11.7
Transportation equipment.....	92.4	+17.9	+29.8	79.4	+17.5	+50.7									
Aircraft.....	308.5	+14.5	-8.3	251.3	+7.7	-12.4	22.78	-6.0	-4.8	37.9	+3.8	-3.2	64.3	-6.0	+2.2
Automobiles.....	108.1	+21.6	+34.6	92.2	+20.6	+58.1	25.22	-8	+17.1	35.6	(¹)	+4.8	70.9	-1.0	+11.6
Cars, electric- and steam-railroad.....	34.2	+6	+8.6	31.7	+7	+21.0	19.87	+2	+11.9	33.0	-6	+4.5	60.2	+3	+5.4
Locomotives.....	30.3	-17.1	+53.0	13.2	-20.4	+76.0	21.30	-4.0	+14.9	34.3	-2.0	+10.6	62.0	-2.4	+3.2
Shipbuilding.....	68.3	-3	+6.1	56.2	+1.5	+16.6	23.81	+1.8	+10.1	31.8	+4.6	+3.3	75.0	+1.8	+9.8
Railroad repair shops.....	51.6	-8	-2.3	43.8	-1.4	+4.0									
Electric railroad.....	65.3	-3	-9	58.0	-6	+4.7	26.56	-3	+5.7	44.3	-7	+4	59.9	+3	+5.6
Steam railroad.....	50.6	-8	-2.3	42.9	-1.4	+4.1	23.78	-5	+6.7	36.7	-2.9	+9	64.7	+2.4	+5.5
Nonferrous metals and their products.....	75.9	-1.3	+12.8	58.4	-5.0	+24.0									
Aluminum manufactures.....	61.2	-1.6	-21.5	51.1	-9.0	+4	19.31	-7.5	+27.8	35.3	-8.5	+46.3	54.7	+1.3	+8.0
Brass, bronze, and copper products.....	75.4	+1.9	+6.3	58.3	+4.9	+20.7	21.48	+3.0	+13.7	37.9	+3.8	+8.0	56.7	-7	+7.4
Clocks and watches and time-recording devices.....	77.1	-2.5	+35.0	56.4	-14.2	+36.6	16.65	-12.0	+1.4	34.7	-12.6	-5.4	47.9	+4	+7.5
Jewelry.....	68.5	-7.9	+23.9	50.8	-19.9	+25.1	19.58	-12.9	+1.1	35.0	-8.4	+6.1	54.1	-2.9	+1.3
Lighting equipment.....	66.3	-5.0	+11.2	54.8	-8.9	+22.0	19.59	-4.1	+9.6	35.9	-9.3	+1.6	55.3	+5.7	+6.7
Silverware and plated ware.....	67.8	-4.1	+5.8	47.5	-14.6	+10.0	19.51	-10.9	+3.7	34.4	-11.6	-1.4	56.3	+9	+5.7
Smelting and refining—copper, lead, and zinc.....	73.6	-1.5	+19.5	46.5	-3	+30.3	20.95	+1.2	+8.9	37.7	-3	+1.0	55.6	+1.5	+9.0
Stamped and enameled ware.....	89.1	+1.9	+22.6	77.6	-1.9	+36.6	18.14	-3.7	+11.1	35.2	-4.6	+4.3	51.5	+1.0	+8.2
Lumber and allied products.....	47.1	-1.5	+3.3	31.7	-4.8	+15.7									
Furniture.....	64.1	-1.4	+8.0	43.5	-5.3	+23.2	15.72	-4.0	+15.0	35.1	-3.0	+13.2	44.5	-9	-4
Lumber:															
Millwork.....	35.9	-2.2	+7.8	23.0	-6.4	+16.8	15.12	-4.3	+8.6	34.1	-3.9	+6.2	44.2	-5	+1.6
Sawmills.....	30.9	-2.2	+7	19.1	-4.2	+9.8	13.94	-2.0	+8.9	33.4	+1.2	-4.8	42.3	-3.9	+2.0
Turpentine and rosin.....	95.6	+2.9	-2.2	52.7	+5.0	+4.6	13.33	+2.1	+6.9	39.6	-8	+1.6	37.0	+3.6	+7.4
Stone, clay, and glass products.....	47.2	-5.8	-2	31.6	-8.1	+5.7									
Brick, tile, and terra cotta.....	24.8	-11.5	+4	13.0	-14.6	+6.6	13.87	-3.4	+6.9	30.3	-3.8	-2.1	45.8	(¹)	+7.9
Cement.....	37.2	-10.6	+4.5	21.2	-12.0	+9.3	17.33	-1.5	+4.6	29.2	-6.1	-9	59.3	+4.4	+8.7
Glass.....	86.5	-1.1	+3.2	69.9	-2.9	+7.0	18.97	-1.8	+3.7	33.2	-2.6	-1.6	57.4	+1.2	+6.1
Marble, granite, slate, and other products.....	20.0	-20.5	-34.6	11.0	-27.1	-29.5	17.89	-8.4	+7.7	28.5	-2.4	+6	63.4	-6.6	+5.1
Pottery.....	69.9	-1.0	+5.1	46.9	-6.2	+15.8	17.18	-5.3	+11.4	32.9	-6.8	-7	51.0	+6	+8.0
Nondurable goods group.....	92.3	-4	+5.0	79.0	-6	+13.3									
Textiles and their products.....	95.2	+2.6	+7.9	78.5	+4.2	+21.1									
Fabrics.....	95.8	+1.9	+7.2	82.2	+2.5	+22.7									
Carpets and rugs.....	66.5	+4.1	-6	55.5	+8.8	+11.7	19.06	+4.5	+12.4	34.0	+5.9	+2.3	55.9	-1.8	+11.3
Cotton goods.....	96.3	+3	+1.4	81.8	+7	+9.8	13.21	+4.0	+8.4	35.2	-3	+4.9	37.7	+5	+2.2
Cotton small wares.....	84.9	+2.3	+14.9	73.7	+4.1	+24.5	16.81	+1.8	+8.4	37.2	(¹)	+9.2	45.1	+1.6	(¹)
Dyeing and finishing textiles.....	117.1	+2.0	+11.6	102.7	+3.1	+26.3	20.32	+1.1	+13.1	36.8	+8	+9.0	55.2	+2	+4.8
Hats, fur-felt.....	79.3	+2.9	+3	69.3	-2.8	+2.2	19.74	-5.6	+1.9	27.0	-8.5	-9.0	71.8	-6	+10.0
Knit goods.....	109.2	-1.1	+12.2	106.2	-2.7	+48.9	16.60	-1.6	+32.9	34.4	-2.0	+28.9	48.6	-2	+5.9
Silk and rayon goods.....	80.7	+5.8	+7.7	68.4	+5.5	+22.6	15.52	-3	+14.1	34.4	-6	+12.4	45.1	+4	+3.7
Woolen and worsted goods.....	91.8	+7.3	+16.1	73.1	+9.7	+28.5	18.19	+2.2	+10.8	36.9	+1.9	+11.4	49.3	+4	-7
Wearing apparel.....	89.4	+4.0	-9.8	66.6	+8.6	+17.7									
Clothing, men's.....	83.9	+6.1	+9.4	57.0	+8.4	+16.8	16.04	+2.2	+7.0	26.5	+4.3	+1.8	60.1	-3.1	+3.2
Clothing, women's.....	117.3	+5.1	+14.7	87.8	+13.1	+23.3	19.66	+13.7	+7.5	30.1	+5.6	-4.7	62.4	+6.1	+2.9
Corsets and allied garments.....	90.8	+1.7	+6.7	85.9	+9	+17.5	15.66	-8	+10.6	33.0	-3.5	+10.7	46.1	+3.4	-2.1

See footnotes at end of table.

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

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹			
	Index January 1935 (3-year average 1923-25 = 100)	Percentage change from—		Index January 1935 (3-year average 1923-25 = 100)	Percentage change from—		Average in January 1935	Percentage change from—		Average in January 1935	Percentage change from—		Average in January 1935	Percentage change from—		
		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934	
Textiles and their products—Continued.																
Wearing apparel—Continued.																
Men's furnishings	94.4	-12.9	+21.5	60.0	-22.8	+27.1	12.61	-11.4	+4.5	29.6	-4.2	+8.7				
Millinery	62.4	+11.7	-15.1	54.0	+22.5	-7.1	20.22	+9.7	+9.7	32.6	+10.9	+1.4				
Shirts and collars	90.4	-2	+7.2	77.8	-2.5	+15.4	11.64	-2.3	+7.8	28.1	-4.7	(¹)				
Leather and its manufactures	88.3	+4.1	+6.5	76.4	+10.6	+13.2										
Boots and shoes	87.0	+4.9	+7.7	72.5	+13.9	+12.9	18.20	+8.6	+5.2	35.9	+8.5	+4				
Leather	94.0	+1.4	+2.8	88.5	+2.3	+13.6	21.26	+9	+10.6	37.7	+8	+1.3				
Food and kindred products	94.4	-9.1	+3	83.3	-18.3	+3.2										
Baking	106.7	-7.5	+3	89.6	-9.2	+1.2	21.31	-1.8	+1.2	40.3	+1.0	-2.4				
Beverages	144.6	-2.8	+2.9	133.4	-1.2	+4.5	28.20	+1.7	+1.6	37.4	+3.0	-1.3				
Butter	68.3	-5.6	-10.7	51.7	-2.4	-8.8	19.70	+3.4	+2.0	45.9	+7.7	+18.9				
Canning and preserving	61.3	-11.2	+13.5	51.7	-11.2	+19.3	13.38	(¹)	+21.7	31.4	-1.9	+7				
Confectionery	78.6	-13.9	+5.4	67.4	-18.6	+5.8	15.54	-5.5	-5	34.8	-0.1	-5.3				
Flour	76.2	-1.3	+1	63.8	+7.3	+5.8	20.95	+1.6	+1.8	37.4	-1.1	-1.5				
Ice cream	60.8	-3	+5.0	48.6	-2.1	+7.3	25.28	-8	+2.3	42.5	-1.6	+4				
Slaughtering and meat packing	94.3	-10.6	-2.3	84.0	-14.6	+2.7	22.26	-4.5	+5.3	39.2	-6.7	-5.8				
Sugar, beet	42.7	-62.2	-63.6	39.3	-42.5	-42.1	22.52	+52.1	+59.7	36.1	+20.3	+14.1				
Sugar refining, cane	84.4	-3.8	+9.9	71.1	-2.0	+21.5	22.78	+1.9	+10.7	40.0	-3.4	+10.0				
Tobacco manufactures	56.5	-8.7	+3.7	41.5	-16.8	+4.3										
Chewing and smoking tobacco and snuff	73.5	+2.8	-4.0	68.5	+1.6	+5.3	14.20	-1.1	+4.4	35.4	+1.7	-1.1				
Cigars and cigarettes	54.3	-10.4	+5.2	38.1	-20.1	+5.2	12.65	-10.9	-1	32.8	-10.1	-8.7				
Paper and printing¹	95.6	-1.9	+3.5	83.4	-3.4	+12.3										
Boxes, paper	83.2	-5.9	+6.8	74.9	-9.4	+17.8	18.42	-3.7	+10.6	35.7	-5.1	+4.8				
Paper and pulp ¹	106.8	-6	+6.5	83.5	-1	+17.1	19.83	+5	+10.1	37.7	+8	+5.3				
Printing and publishing:																
Book and job	87.7	-1.7	+2.3	78.1	-2.6	+12.7	27.22	-9	+9.9	37.3	-3	+4.6				
Newspapers and periodicals	98.4	-2.0	+3	89.5	-5.0	+7.4	33.20	-3.1	+7.1	36.8	-2.6	+2				
Chemicals and allied products, and petroleum refining	108.4	-4	+5	91.6	-1	+8.4										
Other than petroleum refining	108.2	-1	+8	90.5	+7	+9.0										
Chemicals	103.0	-9	-1.7	90.8	+1.0	+4.5	24.48	+1.9	+6.5	39.3	+2.3	+1.8				

Cottonseed—oil, cake, and meal.....	76.0	-16.9	-24.3	69.8	-19.7	-19.7	10.44	-3.4	+6.3	40.3	-7.8	+5.1	26.2	+4.8	+1.8
Druggists' preparations.....	101.3	-1.4	-6	96.8	+2.1	+6.5	19.80	+3.6	+7.2	38.4	+1.3	+8.5	52.3	+2.8	+1.7
Explosives.....	88.1	-2.7	-2.0	68.3	-3.3	+6.1	22.06	-6	+8.7	34.3	+3	-1	64.3	-9	+1.7
Fertilizers.....	111.0	+11.6	+4.1	83.6	+10.7	+8.7	11.65	-8	+4.1	34.4	+2.7	-2.6	33.8	-3.4	+8.8
Paints and varnishes.....	98.7	-8	+5.1	79.4	+1.7	+10.9	22.61	+2.4	+5.6	38.6	+1.0	-2.7	58.7	+1.7	+7.7
Rayon and allied products.....	338.0	+2.6	+5.8	245.4	+2.2	+17.9	19.32	-4	+11.3	38.3	+5	+5.7	50.4	-1.0	+5.5
Soap.....	99.1	-5	+8.2	90.7	+	+18.6	22.01	+6	+9.4	38.4	+3	-4.3	57.4	+2	+12.9
Petroleum refining.....	109.0	-1.6	-1.2	95.2	-2.7	+6.4	26.68	-1.1	+7.7	34.2	-1.4	-1.3	78.5	+4	+11.2
Rubber products	81.8	+3.5	-2	69.4	+5.2	+18.2									
Rubber boots and shoes.....	52.6	-3	-12.3	51.3	-1.4	-1.7	19.19	-1.1	+15.5	37.2	(*)	+8.3	51.6	-1.1	+5.7
Rubber goods, other than boots, shoes, tires, and inner tubes.....	120.4	+4.6	-1.9	102.0	+10.3	+11.8	19.75	+5.4	+14.3	37.8	+5.9	+11.9	52.5	(*)	+1.1
Rubber tires and inner tubes.....	74.7	+3.9	+4.5	62.2	+3.6	+28.0	26.70	-2	+22.8	33.3	-6	+10.7	81.1	+9	+13.5

¹ Per capita weekly earnings are computed from figures furnished by all reporting establishments. Average hours and average hourly earnings are computed from data furnished by a smaller number of establishments as some firms do not report man-hour information. Figures for groups not computed. Percentages of change over year on per capita weekly earnings, average hours worked per week, and average hourly earnings computed from indexes. Percentage change over month on per capita weekly earnings in "All industries" also computed from indexes.

² November and December data revised in table below.

³ Weighted.

⁴ No change.

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

Industry	Employment			Pay roll			Per capita weekly earnings			Average hourly earnings			
	Index	Percentage change from—		Index	Percentage change from—		Average	Percentage change from—		Average	Percentage change from—		
		Preceding month	Preceding year		Preceding month	Preceding year		Preceding month	Preceding year		Preceding month	Preceding year	
All industries: November.....							\$18.87						
December.....	78.0	+1.6	+4.8					+4.5	+10.5				
Paper and printing: November.....	96.8	+4	+2.8	82.7	(*)	+9.4							
December.....	97.5	+7	+3.2	86.3	+4.4	+11.8							
Paper and pulp: November.....	106.9	+3	+4.6	82.0	-1.5	+13.3	19.33	-1.7	+8.5	53.0	+0.8	+9.6	
December.....	107.4		+6.2	83.5		+16.1			+9.8			+6.1	

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

IN TABLE 2 are presented the estimated number of wage earners and weekly pay rolls in all manufacturing industries combined and in the 14 major groups and 2 subgroups into which these manufacturing industries have been classified. Data are presented for the index base period, 1923-25, for the years 1929 to 1934, inclusive, and for January 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 census trends over the period 1919-31), and dividing by 100. Data are not available for all groups over the entire period shown. The totals for all manufacturing industries combined, however, have been adjusted to include all groups. The estimated total employment and weekly pay rolls for all manufacturing industries combined do not include the manufactured-gas industry (which is included in the Bureau's electric light and power and manufactured-gas industry) or the motion-picture industry.

Table 2.—Estimated Number of Wage Earners and Weekly Wages in all Manufacturing Industries Combined and in Industry Groups

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	7,164,000	494,600	8,546,000
1933.....	5,778,400	98,623,000	503,400	8,925,000	517,100	8,795,000
1934.....	¹ 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

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	(²)	(²)
1930.....	451,800	12,076,000	353,800	10,316,000	(²)	(²)
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

¹ December 1934 estimated employment appearing in December issue revised to 6,536,100.

² Comparable data not available.

Table 2.—Estimated Number of Wage Earners and Weekly Wages in all Manufacturing Industries Combined and in Industry Groups—Continued

Year and month	Lumber and allied products		Stone, clay, and glass products		Textiles and their products	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls	Fabrics	
					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, 828, 000	950, 400	16, 187, 000
1931.....	516, 900	8, 641, 000	222, 800	4, 786, 000	886, 700	14, 308, 000
1932.....	377, 800	4, 656, 000	156, 000	2, 588, 000	794, 100	10, 387, 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, 872, 000	165, 300	2, 805, 000	1, 059, 200	16, 742, 000

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

Year and month	Food and kindred products		Tobacco manufactures		Paper and printing	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls	Employment	Weekly pay rolls
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	85, 700	1, 049, 000	³ 503, 700	³ 11,829, 000
1935: January.....	630, 700	12, 696, 000	78, 200	923, 000	507, 700	12, 397, 000

Year and month	Chemicals and allied products		Rubber products	
	Employment	Weekly pay rolls	Employment	Weekly pay rolls
1929.....	384, 800	10, 068, 000	149, 100	3, 986, 000
1930.....	364, 700	9, 334, 000	115, 500	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

³ November and December 1934 estimated employment and pay rolls revised as follows: November employment, 514,100; November pay rolls, \$12,293,000; December employment, 517,800; December pay rolls, \$12,828,000.

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

GENERAL index numbers of factory employment and pay rolls by months, from January 1919 to January 1935, inclusive, together with average indexes for each of these years, based on the 3-year average 1923-25 as 100, are shown in table 3. A chart of these indexes also follows.

Table 3.—General Indexes of Employment and Pay Rolls in Manufacturing Industries, January 1919 to January 1935

Month	[3-year average, 1923-25=100]																
	Employment																
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
January.....	105.3	114.9	81.0	82.5	100.7	100.2	96.3	100.5	98.2	95.0	100.8	97.3	79.6	68.7	60.2	73.3	78.7
February.....	102.0	113.7	82.6	84.6	102.5	101.5	98.1	101.5	99.7	96.5	102.9	97.4	80.3	69.5	61.1	77.7	-----
March.....	102.4	116.0	83.2	85.9	104.6	101.7	98.8	102.1	100.2	97.6	104.1	96.9	80.7	68.4	58.8	80.8	-----
April.....	102.5	114.5	82.1	85.8	105.0	99.9	98.7	101.4	99.6	97.1	105.3	96.3	80.7	66.1	59.9	82.4	-----
May.....	103.1	112.0	81.9	87.9	105.3	96.8	98.1	100.4	99.1	97.0	105.3	94.8	80.1	63.4	62.6	82.5	-----
June.....	104.3	111.1	81.0	89.8	106.0	93.8	98.0	100.3	99.1	97.8	105.6	92.9	78.4	61.2	66.9	81.1	-----
July.....	106.9	108.5	79.8	88.2	104.9	91.0	97.8	99.4	98.1	97.7	106.1	89.5	77.0	58.9	71.5	78.7	-----
August.....	109.7	108.8	81.2	91.4	105.2	92.1	99.5	101.4	99.3	100.1	107.9	88.8	77.1	60.1	76.4	79.5	-----
September.....	111.7	107.5	83.4	94.5	105.7	94.4	101.5	103.4	100.5	102.2	109.0	89.6	77.4	63.3	80.0	75.8	-----
October.....	111.3	103.7	84.1	97.0	104.5	95.3	102.2	103.1	99.6	102.6	107.7	87.7	74.4	64.4	79.6	78.4	-----
November.....	112.6	97.4	84.2	99.0	103.2	94.8	101.8	101.4	97.4	101.7	103.6	84.6	71.8	63.4	76.2	76.8	-----
December.....	114.4	89.7	83.3	100.5	101.4	96.1	101.5	100.0	96.1	101.2	99.8	82.3	71.0	62.1	74.4	78.0	-----
Average..	107.2	108.2	82.3	90.6	104.1	96.5	99.4	101.2	98.9	98.9	104.8	91.5	77.4	64.1	69.0	78.8	-----
Pay rolls																	
January.....	95.3	117.2	82.8	69.6	94.6	98.8	95.4	100.9	98.4	96.0	102.3	95.9	70.0	53.5	39.5	54.0	64.1
February.....	89.6	115.5	81.3	72.4	97.9	104.1	100.8	105.0	104.4	101.2	109.3	98.8	74.3	54.6	40.2	60.6	-----
March.....	90.0	123.7	81.7	74.9	102.5	104.1	102.4	106.5	105.7	102.5	111.6	98.8	75.6	53.1	37.1	64.8	-----
April.....	89.2	120.9	79.0	73.8	103.8	101.8	100.0	104.4	104.5	100.5	112.6	97.7	74.4	49.5	38.8	67.3	-----
May.....	90.0	122.4	77.3	77.2	107.3	97.5	100.7	103.1	104.0	101.3	112.9	95.4	73.4	46.8	42.7	67.1	-----
June.....	92.0	124.2	75.4	80.5	107.5	92.4	98.7	103.3	102.4	101.7	111.2	92.3	69.7	43.4	47.2	64.9	-----
July.....	94.8	119.3	71.7	78.5	103.3	85.7	96.8	99.0	98.5	99.0	107.2	84.3	66.2	39.8	50.8	60.5	-----
August.....	99.9	121.6	73.9	83.0	103.8	89.3	99.3	103.4	101.9	103.3	112.0	83.3	65.9	40.6	56.8	62.2	-----
September.....	104.7	119.8	73.4	87.0	104.3	92.5	98.8	104.4	101.4	104.7	112.9	84.1	63.4	42.9	59.1	58.0	-----
October.....	102.2	115.8	72.6	89.5	106.6	95.1	104.6	107.6	102.1	108.2	112.4	82.2	61.3	44.7	59.4	61.0	-----
November.....	106.7	107.0	71.7	93.4	104.5	93.7	104.6	104.1	98.5	105.0	104.1	76.8	58.1	42.9	55.5	59.5	-----
December.....	114.0	98.0	73.3	95.7	102.9	97.6	105.2	103.5	99.5	105.6	100.7	75.2	57.6	41.5	54.5	63.2	-----
Average..	97.4	117.1	76.2	81.3	103.3	96.1	106.6	103.8	101.8	102.4	109.1	88.7	67.5	46.1	48.5	61.9	-----

¹ Revised.

In table 4 are presented employment and pay-roll indexes for the durable and nondurable groups by months, January 1923 to January 1935, inclusive. These indexes are based on the 3-year average, 1923-25 as 100.

EMPLOYMENT & PAY ROLLS in the MANUFACTURING INDUSTRIES

3-year average 1923-1925=100

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

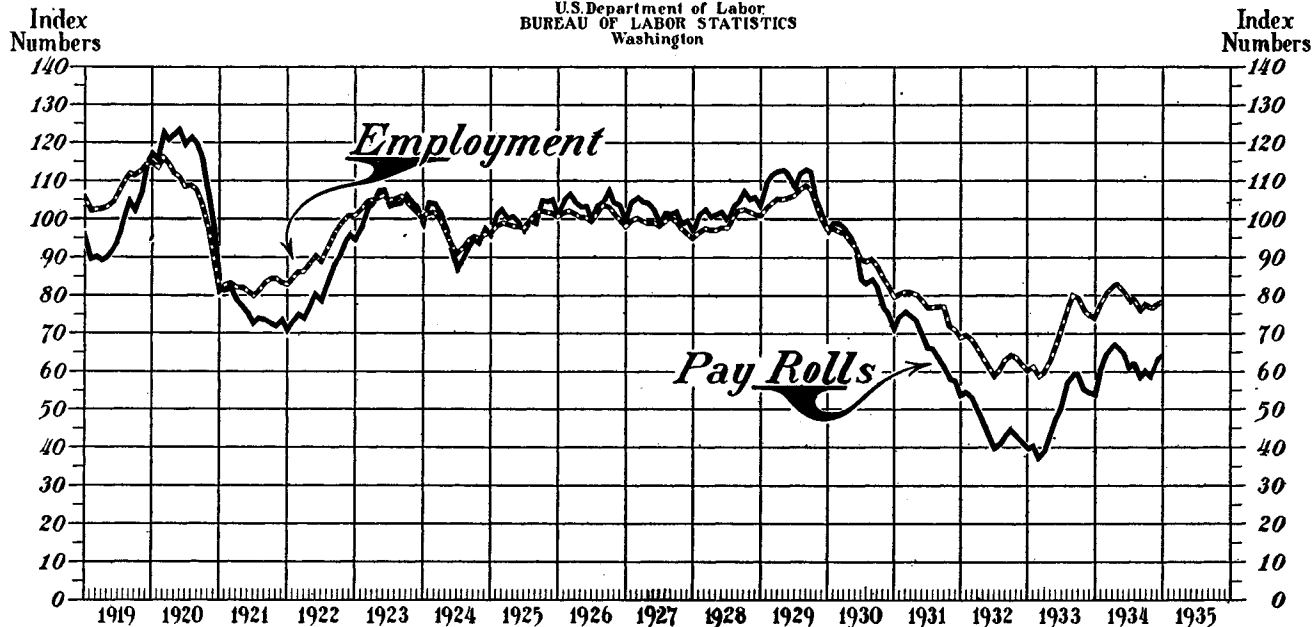


Table 4.—Indexes of Employment and Pay Rolls in the Durable and Nondurable Groups, January 1923 to January 1935

[3-year average 1923-25=100]

*Durable group*¹

Month	Employment												
	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
January	99.2	100.6	95.3	100.9	95.6	89.8	99.1	93.1	71.9	57.3	45.4	59.8	66.1
February	101.5	102.0	97.0	102.3	97.3	91.8	101.7	93.3	72.1	57.8	45.8	63.5	-----
March	104.0	103.1	98.3	103.3	98.2	93.7	103.5	93.1	72.2	56.5	43.9	67.1	-----
April	105.6	102.7	99.3	103.5	98.1	94.7	105.3	92.8	72.2	54.6	44.4	70.0	-----
May	106.6	98.8	99.1	102.8	98.0	96.1	106.5	91.8	71.4	52.9	47.0	71.5	-----
June	107.7	94.7	98.4	102.3	97.1	96.6	106.4	89.1	69.5	50.9	50.0	70.8	-----
July	106.6	91.1	97.3	101.1	94.9	95.8	106.3	84.7	66.8	48.5	55.3	67.4	-----
August	106.4	91.0	98.2	102.1	95.3	98.1	107.3	82.2	65.3	46.9	60.1	66.1	-----
September	106.0	91.8	99.7	102.7	94.9	99.4	106.8	81.0	64.5	47.3	63.4	64.2	-----
October	105.4	93.4	101.4	102.2	94.3	99.8	105.0	79.6	61.8	47.7	63.2	62.8	-----
November	104.3	93.1	101.8	100.3	92.1	99.3	100.3	77.1	60.3	48.1	61.2	62.2	-----
December	102.0	94.7	101.9	98.3	90.9	98.8	95.8	74.9	59.7	47.3	60.7	64.3	-----
Average	104.6	96.4	99.0	101.8	95.6	96.2	103.7	86.1	67.3	51.3	53.4	65.8	-----
Month	Pay rolls												
	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
January	91.6	97.9	92.5	99.0	93.3	89.5	100.0	90.1	59.8	41.3	27.6	41.6	52.5
February	95.8	105.5	99.7	105.2	101.1	96.8	109.0	94.6	64.4	42.0	27.7	47.9	-----
March	101.4	106.6	101.7	107.3	103.4	99.5	112.0	95.1	65.7	40.4	25.3	52.8	-----
April	104.6	105.7	100.8	106.5	103.2	99.8	114.7	95.3	65.1	38.0	26.8	57.4	-----
May	109.1	100.3	101.9	105.2	103.2	101.8	115.8	93.3	64.1	37.0	30.8	58.6	-----
June	110.0	93.0	99.2	104.9	99.8	101.2	112.9	89.1	59.4	33.3	34.7	56.9	-----
July	104.5	84.0	95.4	99.1 ²	93.9	97.1	107.1	78.1	54.3	29.8	38.0	49.9	-----
August	106.0	87.3	97.5	103.7	97.5	102.0	112.6	75.6	52.9	28.2	43.9	50.0	-----
September	105.2	89.0	97.1	103.1	95.1	102.3	111.7	74.7	49.6	27.9	44.7	45.5	-----
October	108.9	93.0	104.6	107.0	96.8	107.0	111.7	73.7	48.5	29.8	45.4	46.4	-----
November	107.4	91.8	105.3	103.2	93.3	104.2	101.7	68.4	46.4	30.0	42.5	46.1	-----
December	104.0	95.9	105.7	100.9	94.1	103.9	96.7	66.4	45.8	29.4	42.3	50.4	-----
Average	104.0	95.8	100.1	103.8	97.9	100.4	108.8	82.9	56.3	33.9	35.8	50.3	-----

*Nondurable group*²

Month	Employment												
	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
January	102.5	99.8	97.5	100.2	101.0	100.6	102.7	101.8	87.8	80.9	76.0	87.9	92.3
February	103.8	100.8	99.3	100.6	102.3	101.8	104.3	101.7	89.0	82.2	77.6	93.0	-----
March	105.3	100.1	99.5	100.9	102.5	101.8	104.9	100.9	90.0	81.2	74.7	95.4	-----
April	104.4	97.0	98.3	99.1	101.3	99.6	105.4	100.1	89.8	78.5	76.5	95.8	-----
May	104.1	94.6	97.0	97.8	100.3	98.0	104.1	98.0	89.3	74.8	79.3	94.3	-----
June	104.2	93.0	97.5	98.3	101.2	99.0	104.7	96.9	88.0	72.4	84.3	92.3	-----
July	103.3	90.9	98.5	97.5	101.6	99.7	105.8	94.7	88.2	70.1	88.9	90.8	-----
August	104.0	93.4	101.0	100.6	103.5	102.3	108.6	95.9	89.8	74.2	93.9	94.0	-----
September	105.2	97.3	103.5	104.1	106.5	105.3	111.4	98.9	91.1	80.4	97.8	88.2	-----
October	103.6	97.3	103.2	104.2	105.2	105.6	110.6	96.5	88.0	82.3	97.2	95.1	-----
November	102.2	96.7	101.9	102.5	103.1	104.3	107.1	92.7	84.2	79.3	92.2	92.4	-----
December	100.8	97.7	101.1	101.9	101.7	103.7	104.0	90.1	83.0	77.8	89.1	92.7	-----
Average	103.6	96.6	99.8	100.6	102.5	101.8	108.1	97.4	88.2	77.9	85.6	92.7	-----
Month	Pay rolls												
	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
January	98.5	99.8	99.3	103.5	104.7	104.1	105.3	103.2	83.0	69.1	54.5	69.7	79.0
February	100.8	102.2	102.1	104.9	108.6	106.8	109.8	104.1	86.9	70.7	56.2	76.9	-----
March	104.1	101.0	103.4	105.5	108.7	106.4	111.0	103.5	88.3	69.2	52.1	80.1	-----
April	103.1	96.8	99.0	101.8	106.1	101.5	110.2	100.8	86.3	64.0	54.4	80.0	-----
May	105.0	94.1	99.2	100.4	105.1	100.8	109.3	98.3	85.2	59.3	57.9	78.1	-----
June	104.5	91.6	98.2	101.3	105.8	102.5	109.1	96.5	82.7	56.2	63.3	75.1	-----
July	101.9	88.0	98.6	98.9	104.3	101.6	107.3	92.3	81.3	52.6	67.0	73.9	-----
August	101.1	91.9	101.7	103.0	107.4	104.9	111.3	93.2	82.5	56.3	73.3	77.8	-----
September	103.2	96.9	101.0	105.9	109.6	107.6	114.2	96.0	80.8	61.8	77.6	74.0	-----
October	103.6	97.8	104.7	108.5	108.8	109.8	114.2	93.0	77.6	63.6	77.3	79.6	-----
November	100.8	96.1	103.7	105.3	105.1	106.1	107.4	87.4	73.0	59.2	72.1	76.6	-----
December	101.6	100.0	104.6	106.8	106.3	107.8	105.8	86.5	72.5	56.9	70.1	79.5	-----
Average	102.4	96.4	101.3	103.8	106.7	105.0	109.6	96.2	81.7	61.6	64.6	76.8	-----

¹ 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.

² Includes remaining groups of manufacturing industries not shown under footnote 1.

³ Revised.

Employment in Nonmanufacturing Industries in January 1935

NINE of the 17 nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics reported gains in employment from December 1934 to January 1935, and 11 of the industries reported increases in pay rolls.

In table 5 are shown indexes of employment and pay rolls, per capita weekly earnings, average hours worked per week, and average hourly earnings in January 1935 for 13 of the nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics, together with percentage changes from December and January 1934. Per capita weekly earnings in banks, brokerage, insurance, and real estate, together with percentage changes from December and January 1934 in these per capita earnings and in employment and pay rolls are also presented. Indexes of employment and pay rolls for these industries are not available.

Table 5.—Employment, Pay Rolls, Hours and Earnings in Nonmanufacturing Industries, January 1935

Industry	Employment			Pay roll			Per capita weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹			
	Index January 1935 (average 1929=100)	Percentage change from—		Index January 1935 (average 1929=100)	Percentage change from—		Average in January 1935	Percentage change—		Average in January 1935	Percentage change from—		Average in January 1935	Percentage change from—		
		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934		December 1934	January 1934	
Coal mining:																
Anthracite.....	62.9	+2.1	-1.9	57.5	+9.9	-21.4	\$26.68	+7.7	-20.0	33.0	+8.2	-19.3	82.1	+0.6	-2.2	
Bituminous.....	80.0	+4	+5.5	59.6	+4.5	+16.2	19.30	+4.0	+10.0	27.6	+4.5	-6.4	70.7	-3	+18.7	
Metaliferous mining.....	44.3	-3	+11.9	30.1	+2.3	+18.5	22.03	+2.6	+5.9	36.0	-1.1	-5.5	60.6	+4.5	+12.8	
Quarrying and nonmetallic mining.....	36.9	-12.2	-7.1	20.8	-11.5	-2.3	14.38	+8	+5.0	30.5	+1.3	+8	46.9	-8	+5.0	
Crude-petroleum producing.....	74.9	-4.8	+2.3	55.5	-6.7	+4.7	28.16	-2.1	+2.3	34.6	-4.2	-7.1	79.8	+1.5	+8.6	
Public utilities:																
Telephone and telegraph.....	70.5	+1.1	+4	73.9	+1.0	+7.1	27.77	-1	+6.6	38.1	-3	+2.6	74.7	+1	+6.8	
Electric light and power and manufactured gas.....	82.7	-1.0	+6	78.0	-4	+5.7	29.92	+6	+5.0	38.3	-3	+3	77.7	+9	+5.9	
Electric-railroad and motor-bus operation and maintenance.....	71.2	+2	+1.0	62.9	+9	+6.3	28.17	+7	+5.1	45.5	-2	+8	61.5	+8	+9.0	
Trade:																
Wholesale.....	84.2	-1.0	+4.5	63.9	-1.3	+6.0	26.11	-3	+1.5	40.4	-5	+1.9	64.3	+3	-1.0	
Retail.....	80.7	-11.1	+1.1	60.0	-9.1	+1.7	20.01	+4.4	+5	40.8	-2.4	+4	52.2	+8.1	+2.7	
General merchandising.....	93.2	-26.8	+7.6	75.1	-23.2	+5.6	16.75	+4.9	-1.8	38.6	-5.4	-1.8	47.6	+14.1	+4.3	
Other than general merchandising.....	77.4	-4.7	-8	56.9	-4.2	+7	22.66	+5	+1.5	42.5	-7	+2.4	55.1	+1.3	+2.0	
Hotels (cash payments only) ²	85.4	+2.5	+4.8	66.0	+1.7	+8.6	13.41	-7	+3.6	46.9	-6	-3.4	27.9	-4	+4.2	
Laundries.....	79.6	+1	+1.4	63.9	+1.0	+3.6	15.12	+9	+2.2	39.9	+1.8	+3.5	37.0	-3	-9	
Dyeing and cleaning.....	70.3	-2.8	+3.2	50.4	-1.5	+7.7	17.55	+1.3	+4.4	40.1	+5	+1.9	43.5	+5	+1.7	
Banks.....	(3)	(4)	+4	(3)	+4	+1.0	31.47	+4	+5	(3)	(3)	(3)	(3)	(3)	(3)	
Brokerage.....	(3)	+2	-23.4	(3)	+1.2	-26.2	34.77	+1.0	-3.6	(3)	(3)	(3)	(3)	(3)	(3)	
Insurance.....	(3)	+1	+6	(3)	+4	-3	35.49	+3	-9	(3)	(3)	(3)	(3)	(3)	(3)	
Real Estate.....	(3)	-3	+3.6	(3)	+1.0	+5.1	21.69	+1.3	+1.5	(3)	(3)	(3)	(3)	(3)	(3)	

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

² The additional value of board, room, and tips cannot be computed.

³ Not available.

⁴ Less than 1/10 of 1 percent.

Indexes of Employment and Pay-Roll Totals for Nonmanufacturing Industries

IN TABLE 6 are presented index numbers of employment and pay-roll totals for 13 nonmanufacturing industries and 2 subdivisions under retail trade, by months, January 1932 through January 1935.

The indexes for wholesale and retail trade have recently been revised to conform with the trends shown 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 for Nonmanufacturing Industries, January 1932 to January 1935

[12-month average, 1929=100]

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	.....	57.3	56.8	65.8	.....	77.4	69.3	76.1	.....	47.0	37.2	54.6	.....
March.....	73.7	54.6	67.5	.....	61.2	48.8	82.4	.....	75.2	67.6	77.8	.....	46.8	30.7	58.9	.....
April.....	70.1	51.6	58.2	.....	72.0	37.4	51.7	.....	65.5	63.7	72.2	.....	33.9	26.6	51.4	.....
May.....	66.9	45.2	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	.....	53.7	45.8	55.9	.....	67.4	67.9	77.2	.....	35.6	37.8	54.2	.....
	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	.....	27.8	17.8	26.0	.....	47.4	34.8	38.8	.....	29.6	17.4	21.0	.....
March.....	45.0	30.0	39.8	.....	26.5	17.4	25.9	.....	46.0	35.1	42.0	.....	28.7	17.8	24.1	.....
April.....	43.3	29.4	41.7	.....	25.0	16.4	27.2	.....	48.6	39.3	48.7	.....	30.0	20.2	29.9	.....
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	.....	30.1	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	.....	21.6	20.6	26.7	.....	49.0	44.9	48.9	.....	29.1	24.7	29.6	.....
	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	.....	46.9	41.7	50.5	.....	82.0	73.9	69.8	.....	89.6	71.9	67.9	.....
March.....	51.4	56.5	72.8	.....	43.2	42.5	52.5	.....	81.7	73.2	70.0	.....	88.2	71.6	70.4	.....
April.....	54.9	56.8	74.0	.....	44.5	40.1	53.4	.....	82.2	72.3	70.2	.....	83.4	67.8	68.8	.....
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	67.7	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	.....	44.1	44.1	56.9	.....	79.1	70.4	70.3	.....	81.1	68.2	71.5	.....

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

[12-month average, 1929=100]

Month	Electric light and power and manufac- tured gas								Electric-railroad and motor-bus operation and maintenance ¹							
	Employment				Pay rolls				Employment				Pay rolls			
	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	---	86.0	71.6	74.4	---	78.9	70.4	71.0	---	74.8	60.6	60.1	---
March	85.5	76.9	81.7	---	85.4	71.9	75.6	---	77.6	69.8	71.7	---	73.6	59.4	62.2	---
April	84.8	76.9	82.4	---	82.4	69.4	76.8	---	78.0	69.5	72.2	---	71.8	58.1	62.9	---
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	---	79.8	72.0	77.9	---	75.5	70.0	72.1	---	68.0	58.9	62.2	---
	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	80.7	71.9	54.7	59.0	60.0
February	79.7	72.4	81.2	---	70.1	55.1	61.0	---	78.3	70.4	79.6	---	69.5	51.8	58.8	---
March	78.6	71.3	81.8	---	68.8	53.5	62.0	---	78.6	68.9	81.5	---	68.5	49.0	59.8	---
April	77.6	71.5	82.1	---	66.3	52.4	63.1	---	78.7	73.3	82.5	---	67.7	52.0	61.2	---
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	53.7	62.8	---	76.3	73.2	82.6	---	62.7	52.2	61.4	---
July	75.2	75.1	82.2	---	61.9	55.5	63.8	---	73.1	71.0	79.0	---	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	58.7	60.6	---
October	76.2	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	61.8	---
December	75.4	81.5	85.0	---	59.3	60.9	64.8	---	80.9	89.1	90.8	---	60.4	64.0	66.0	---
Average	76.8	76.1	82.8	---	64.2	56.8	63.0	---	76.8	76.1	82.0	---	63.2	55.2	60.9	---
	General merchandising								Retail trade other than general merchandise							
January	84.8	76.4	86.6	93.2	78.1	61.4	71.1	75.1	79.1	71.0	78.0	77.4	70.6	53.3	56.5	56.9
February	81.2	73.0	85.0	---	73.1	57.1	68.9	---	77.6	69.7	78.2	---	68.3	50.7	56.7	---
March	82.6	70.7	90.1	---	73.1	53.4	71.5	---	77.5	68.4	79.3	---	67.5	48.1	57.4	---
April	82.7	80.7	91.0	---	72.3	60.8	74.0	---	77.6	71.3	80.3	---	66.7	50.2	58.5	---
May	82.1	78.5	92.0	---	70.5	59.3	74.5	---	75.9	70.4	80.5	---	64.5	49.7	58.8	---
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	66.9	---	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	100.2	---	67.9	76.1	79.8	---	73.0	80.4	79.4	---	56.7	58.3	58.1	---
December	104.7	118.9	127.3	---	79.2	90.1	97.8	---	74.6	81.3	81.2	---	56.5	58.6	59.4	---
Average	82.6	84.2	92.7	---	69.5	65.4	74.9	---	75.2	74.0	79.2	---	61.9	53.1	58.0	---
	Hotels								Laundries							
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	---	73.9	55.9	65.2	---	86.3	77.5	78.4	---	76.7	58.1	61.7	---
March	84.0	72.4	86.4	---	72.4	53.5	66.6	---	85.4	76.1	79.2	---	75.0	55.4	62.7	---
April	82.7	71.9	86.6	---	69.6	51.7	66.5	---	85.4	76.5	80.5	---	74.7	56.6	64.4	---
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	---	71.1	58.4	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	---	64.5	54.4	65.1	---	83.5	78.8	81.3	---	70.1	59.5	64.9	---

¹ 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 for Nonmanufacturing Industries, January 1932 to January 1935—Continued

[12-month average, 1929=100]

Month	Dyeing and cleaning															
	Employment				Pay rolls				Employment				Pay rolls			
	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935	1932	1933	1934	1935
January.....	75.8	67.4	68.1	70.3	62.4	44.2	46.8	50.4	.....	.....	.....	.....	.....	.....	.....	.....
February.....	74.4	65.6	68.1	.....	59.0	40.2	46.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
March.....	74.4	65.8	72.4	.....	58.5	38.9	51.7	.....	.....	.....	.....	.....	.....	.....	.....	.....
April.....	76.9	74.9	79.9	.....	62.5	51.7	60.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
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	.....	57.3	49.5	56.1	.....	.....	.....	.....	.....	.....	.....	.....	.....

Employment in Building Construction in January 1935

THE percentages of change in employment, pay rolls, and man-hours in building construction in January 1935 as compared with December 1934, were as follows:

	<i>Percent</i>
Total employment.....	-12.0
Total pay rolls.....	-12.9
Total man-hours worked.....	-13.4
Average weekly earnings.....	-1.1
Average hours per week per man.....	-1.4
Average hourly earnings.....	+.5

In January 1935 the weekly pay roll for 66,700 workers amounted to \$1,518,792 as compared with \$1,743,880 earned by 75,764 workers employed by the identical firms in December 1934.

In January 1935 the average weekly earnings were \$22.77 as compared with \$23.02 for December 1934. 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 9,963 firms—96.3 percent of the 10,347 cooperating firms—gave the man-hours worked by the employees, namely, 1,737,214 in January 1935 as compared with 2,005,099 in December 1934.

The average hours per week per man—27.4 in January 1935 and 27.8 in December 1934—were computed by dividing the number of man-hours by the number of workers employed by those firms which reported man-hours.

The average hourly earnings—83.7 cents in January 1935 and 83.3 cents in December 1934—were computed by dividing the pay roll of those firms which reported man-hours, by the number of man-hours.

The following table is based on returns made by 10,347 firms engaged in public and private building-construction projects not aided by Public Works Administration funds. These reports include all trades, from excavation through painting and interior decoration, which are engaged in erecting, altering, or repairing buildings. Work on roads, bridges, docks, etc., is omitted. The reports cover building operations in various localities in 34 States and the District of Columbia.

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

Table 7.—Employment, Pay Rolls, Hours, and Earnings in the Building-Construction Industry, January 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 ¹		Average hourly earnings ¹	
		Number January 1935	Percentage change from December 1934	Amount January 1935	Percentage change from December 1934	Amount January 1935	Percentage change from December 1934	Number January 1935	Percentage change from December 1934	January 1935	Percentage change from December 1934
All localities.....	10,347	66,700	-12.0	<i>Dollars</i> 1,518,792	-12.9	<i>Dollars</i> 22.77	-1.1	27.4	-1.4	<i>Cents</i> 83.7	+0.5
Alabama: Birmingham.....	83	463	-4.3	6,930	-11.8	14.97	-7.8	24.5	-6.8	61.2	-1.8
California:											
Los Angeles.....	18	351	-6.1	18,994	+7	22.89	+7.2	31.5	+5.7	72.5	+1.3
San Francisco-Oakland.....	23	632	-11.2	15,258	+1.4	24.14	+14.2	27.5	+26.1	87.8	-9.4
Other localities.....	21	206	-15.9	4,018	-20.9	19.50	-5.9	24.6	-5.7	79.5	-1
The State.....	62	1,669	-9.4	38,270	-1.9	22.93	+8.5	29.2	+11.5	78.6	-2.7
Colorado: Denver.....	196	561	-13.0	11,492	-19.0	20.48	-6.9	23.9	-6.3	85.9	-9
Connecticut:											
Bridgeport.....	107	403	-14.8	9,063	-14.8	22.49	(¹)	29.4	+2.1	77.3	-1.5
Hartford.....	251	704	-26.3	15,992	-27.7	22.72	-1.9	29.8	-5.7	75.2	+3.7
New Haven.....	143	684	-9.4	15,073	-3	22.04	+10.1	27.9	+4.5	79.3	+4.9
The State.....	501	1,791	-18.0	40,128	-16.2	22.41	+2.2	29.0	-1.0	77.2	+3.3
Delaware: Wilmington.....	99	724	-13.7	15,459	-8.2	21.35	+6.4	30.1	+2.7	71.0	+3.8
District of Columbia.....	375	3,342	-11.4	88,382	-16.0	26.45	-5.2	29.7	-3.3	99.0	-1.9
Florida:											
Jacksonville.....	40	146	-28.8	2,271	-41.1	15.55	-17.3	26.9	-12.9	57.8	-4.9
Miami.....	64	977	-21.0	21,837	-21.0	22.35	(¹)	30.4	-4.4	73.6	+4.7
The State.....	104	1,123	-22.1	24,108	-23.4	21.47	-1.7	29.9	-5.7	71.7	+3.9
Georgia: Atlanta.....	129	830	+6.8	13,686	+6.5	16.49	-3	26.1	+6.1	63.1	-6.2
Illinois:											
Chicago.....	124	990	-8.8	23,258	-7.8	22.49	+1.0	(¹)	(¹)	(¹)	(¹)
Other localities.....	89	1,023	-22.1	18,901	-18.4	18.48	+4.8	(¹)	(¹)	(¹)	(¹)
The State.....	213	2,013	-16.1	42,159	-12.9	20.94	+3.8	(¹)	(¹)	(¹)	(¹)

See footnotes at end of table.

Table 7.—Employment, Pay Rolls, Hours, and Earnings in the Building-Construction Industry, January 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 ¹		Average hourly earnings ¹	
	Number	January 1935	Percentage change from December 1934	Amount January 1935	Percentage change from December 1934	Amount January 1935	Percentage change from December 1934	Number January 1935	Percentage change from December 1934	January 1935	Percentage change from December 1934	
Indiana:				<i>Dollars</i>		<i>Dollars</i>					<i>Cents</i>	
Evansville.....	61	299	-7.4	6,392	+5.2	21.38	+13.7	27.4	+10.0	78.0	+3.3	
Fort Wayne.....	77	193	+5	3,405	-5.9	17.64	-6.4	24.5	+1.7	72.1	-7.5	
Indianapolis.....	139	768	-13.0	17,135	-9.1	22.31	+4.5	28.7	+3.6	77.7	+5.9	
South Bend.....	34	153	+18.6	2,851	+14.7	18.63	-3.3	24.8	-5.3	75.2	+2.3	
The State.....	311	1,413	-7.5	29,783	-4.0	21.08	+3.7	27.4	+3.0	76.9	+5	
Iowa: Des Moines.....	87	386	+8.7	7,560	+1.9	19.59	-6.3	23.9	-6.3	82.1	-5	
Kansas: Wichita.....	62	220	+17.6	3,569	+2.4	16.18	-12.9	23.8	-8.5	68.2	-5.1	
Kentucky: Louisville.....	135	748	+5.1	15,550	+9.7	20.79	+4.5	29.6	+8.8	70.9	-2.9	
Louisiana: New Orleans.....	109	682	-8.5	11,292	-16.0	16.56	-8.3	25.7	-8.5	64.5	+6.4	
Maine: Portland.....	82	230	-28.1	4,867	-33.1	21.16	-6.9	24.9	-11.1	84.9	+4.4	
Maryland: Baltimore.....	101	2,240	+4.8	42,711	+6.6	19.51	-1.7	30.8	+2.7	64.5	-2.0	
Massachusetts: All localities.....	695	4,175	-13.9	94,563	-21.4	22.65	-8.7	26.4	-10.2	85.8	+1.7	
Michigan:												
Detroit.....	472	3,426	-1.5	97,816	-4.4	28.55	-3.0	33.0	-6	86.6	-2.5	
Flint.....	54	132	-7.0	2,426	-9.9	18.38	-3.1	22.2	-18.7	82.9	+19.5	
Grand Rapids.....	98	284	+16.9	4,098	+3.1	14.43	-11.8	22.4	-10.8	64.6	-8	
The State.....	624	3,842	-5	104,340	-4.3	27.16	-3.8	31.8	-2.2	85.4	-1.8	
Minnesota:												
Duluth.....	43	99	-20.2	1,927	-20.6	19.46	-6	26.9	+6.7	72.1	-4.6	
Minneapolis.....	194	835	-15.9	18,365	-15.3	21.99	+7	27.2	-7	81.1	+2.0	
St. Paul.....	133	612	-17.1	13,949	-21.2	22.79	-5.0	30.1	-4.1	77.4	+1.3	
The State.....	370	1,546	-16.7	34,241	-18.1	22.15	-1.7	28.3	-1.7	79.0	+1.4	
Missouri:												
Kansas City ²	257	1,401	-12.8	32,969	-5.6	23.53	+8.3	25.9	+10.7	92.1	-1.6	
St. Louis.....	541	2,435	-5.7	60,383	-7.2	24.80	-1.6	25.0	(?)	99.1	-1.7	
The State.....	798	3,836	-8.4	93,352	-6.6	24.34	+2.0	25.3	+3.7	96.5	-1.7	
Nebraska: Omaha.....	148	650	-9.8	13,458	-5	20.70	+10.4	29.1	+11.1	71.3	-4	
New York:												
New York City.....	533	8,633	-10.2	256,220	-9.5	29.68	+8	26.5	-1.1	112.1	+2.2	
Other localities.....	338	6,900	-17.0	129,690	-19.4	21.98	-2.9	25.8	-4.8	85.1	+2.0	
The State.....	871	14,533	-13.1	385,910	-13.1	26.55	(?)	26.2	-3.0	101.3	+2.3	
North Carolina: Charlotte.....	47	287	-13.3	4,849	-19.0	16.90	-6.5	25.8	-3.7	65.5	-2.8	
Ohio:												
Akron.....	85	199	-31.1	4,060	-35.4	20.40	-6.2	23.3	-18.0	87.4	+14.1	
Cincinnati ³	404	1,447	-6.5	31,673	-2.7	21.89	+4.1	27.0	+3.8	81.0	(?)	
Cleveland.....	600	1,686	-18.3	41,872	-18.0	24.84	+4	24.5	-2.0	101.8	+2.9	
Dayton.....	138	371	-12.3	7,404	-17.8	19.96	-6.3	24.6	-7.5	81.4	+1.6	
Youngstown.....	89	368	-1.1	7,759	-16.6	21.08	-15.7	25.1	-15.2	84.2	-4	
The State.....	1,316	4,071	-13.3	92,768	-14.3	22.79	-1.1	25.4	-2.7	89.9	+1.7	
Oklahoma:												
Oklahoma City.....	85	326	-30.2	6,057	-24.7	18.58	+7.8	25.5	+3.7	72.5	+4.0	
Tulsa.....	46	191	-22.7	3,155	-35.3	16.52	-16.3	22.4	-20.6	73.7	+5.1	
The State.....	131	517	-27.6	9,212	-28.7	17.82	-1.5	24.3	-5.8	73.0	+4.6	
Oregon: Portland.....	160	636	-14.2	12,145	-11.5	19.10	+3.2	23.7	+5.3	81.0	-1.9	

See footnotes at end of table.

Table 7.—Employment, Pay Rolls, Hours, and Earnings in the Building Construction Industry, January 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 ¹		Average hourly earnings ¹			
	Number	Percentage	Number	Percentage	Amount	Percentage	Amount	Percentage	Number	Percentage	January	Percentage		
	January 1935	change from December 1934	January 1935	change from December 1934	January 1935	change from December 1934	January 1935	change from December 1934	January 1935	change from December 1934	January 1935	change from December 1934		
Pennsylvania: 7														
Erie area.....	21	174	-23.0		<i>Dollars</i>	<i>2,119</i>	<i>-25.6</i>	<i>12.18</i>	<i>-3.4</i>	<i>14.9</i>	<i>+8.0</i>	<i>Cents</i>	<i>70.6</i>	<i>-2.2</i>
Philadelphia area.....	355	2,623	-3.7		<i>52,099</i>	<i>-10.5</i>	<i>19.82</i>	<i>-1.9</i>	<i>27.6</i>	<i>-1.4</i>	<i>72.2</i>	<i>-1.6</i>		
Pittsburgh area.....	196	1,190	-15.2		<i>33,559</i>	<i>-13.5</i>	<i>28.20</i>	<i>+2.0</i>	<i>30.2</i>	<i>+2.7</i>	<i>94.2</i>	<i>-1.6</i>		
Reading area.....	39	152	-15.6		<i>2,547</i>	<i>-16.7</i>	<i>16.76</i>	<i>-1.4</i>	<i>25.8</i>	<i>(?)</i>	<i>65.0</i>	<i>-1.2</i>		
Scranton area.....	23	72	-30.1		<i>1,564</i>	<i>-38.8</i>	<i>21.78</i>	<i>-12.5</i>	<i>28.8</i>	<i>-4.0</i>	<i>76.1</i>	<i>-3.8</i>		
Other areas.....	252	1,700	-31.3		<i>31,470</i>	<i>-26.1</i>	<i>18.51</i>	<i>+7.6</i>	<i>23.8</i>	<i>+3.1</i>	<i>62.3</i>	<i>+3.8</i>		
The State.....	886	5,916	-18.6		<i>123,358</i>	<i>-16.7</i>	<i>20.35</i>	<i>+2.4</i>	<i>23.4</i>	<i>+1.7</i>	<i>73.7</i>	<i>+1.6</i>		
Rhode Island: Providence.														
	239	971	-29.7		19,403	-37.5	19.98	-11.1	27.2	-10.2	73.4	-2.0		
Tennessee:														
Chattanooga.....	31	118	-18.1		1,525	-22.2	12.92	-5.0	22.7	-1.9	56.9	-4.2		
Knoxville.....	36	313	-6.3		5,328	-4.5	17.02	+1.9	24.7	+2.9	68.9	-1.9		
Memphis.....	70	288	-6.8		5,132	-6	17.82	-6.7	26.6	+2.3	66.9	+4.2		
Nashville.....	71	595	-28.2		8,526	-34.2	14.33	+3.3	27.9	+2.6	51.4	-10.6		
The State.....	208	1,314	-18.7		20,511	-20.0	15.61	-1.6	26.4	+1.9	59.1	-3.4		
Texas:														
Dallas.....	187	637	-21.0		11,056	-16.4	17.36	+5.9	26.6	+2.3	65.8	+3.1		
El Paso.....	23	126	+5.0		2,197	+2	17.44	-4.6	26.3	(?)	66.4	-4.6		
Houston.....	175	1,013	-3.0		19,997	-3.9	19.74	-1.0	29.1	+1.7	68.3	-1.7		
San Antonio.....	85	270	+22.2		4,597	+21.8	17.03	-3.3	28.6	+11.3	59.7	-10.5		
The State.....	470	2,046	-6.6		37,847	-5.4	18.50	+1.3	28.1	+2.9	66.3	-1.3		
Utah: Salt Lake City.....														
	71	175	-13.4		2,809	-36.0	16.05	-26.2	21.9	-16.4	73.7	-10.9		
Virginia:														
Norfolk-Portsmouth.....	64	276	-7.1		4,540	-12.3	16.45	-5.6	25.3	+1.2	65.1	-6.6		
Richmond.....	118	865	-4.4		16,822	-9.5	19.45	-5.3	28.0	-3.8	69.3	-2.0		
The State.....	182	1,141	-5.1		21,362	-10.1	18.72	-5.3	27.3	-2.5	68.3	-3.1		
Washington:														
Seattle.....	153	583	-5.8		13,000	-6	22.30	+5.6	22.9	+1.9	97.3	+4.4		
Spokane.....	54	143	-2.1		3,255	-6.9	22.76	-5.0	26.2	-2.6	86.7	-2.5		
Tacoma.....	73	80	-52.7		1,742	-47.3	21.78	+11.4	24.2	+14.2	90.0	-2.5		
The State.....	280	806	-13.7		17,997	-9.5	22.33	+4.9	23.6	+2.2	94.5	+2.4		
West Virginia: Wheeling.....														
	51	133	-11.3		2,557	-15.4	19.23	-4.6	27.8	+1.1	70.5	-5.6		
Wisconsin: All localities.....														
	150	1,670	-5.9		31,174	-15.9	18.67	-10.6	27.3	-12.2	65.7	+1.1		

¹ Averages computed from reports furnished by 9,963 firms.² No change.³ Less than 1/10 of 1 percent decrease.⁴ Data not available.⁵ Includes both Kansas City, Mo., and Kansas City, Kans.⁶ Includes Covington and Newport, Ky.⁷ Each separate area includes from 2 to 8 counties.

Trend of Employment in January 1935 by States

FLUCTUATIONS in employment and pay-roll totals in January 1935, as compared with December 1934, in certain industrial groups, are shown by States in table 8. These tabulations have been prepared from data secured directly from reporting establishments and from information supplied by cooperating State agencies. The combined total of all groups does not include building-construction data, which are shown by city and State totals in the section "Building construction." In addition to the combined total of all groups, the trend of employment and pay rolls in the manufacturing, public utility, hotel, wholesale trade, retail trade, bituminous-coal mining, crude-petroleum producing, quarrying and nonmetallic mining, metalliferous mining, laundry, dyeing and cleaning, and banks, brokerage, insurance, real-estate groups, is presented. In this State compilation, the totals of the telephone and telegraph, power and light, and electric-railroad operations groups have been combined and are presented as one group—public utilities.

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

The anthracite-mining industry, which is confined entirely to the State of Pennsylvania, showed increases from December to January of 2.1 percent in employment and 9.9 percent in pay rolls. These percentages are based on reports received from 160 mines, which employed in January 87,248 workers whose earnings in 1 week ending nearest the 15th were \$2,327,747.

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

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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 January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	1,288	64,788	-1.0	\$960,409	-0.2	229	43,337	+0.5	\$585,444	+0.9
Arizona.....	574	15,144	-1.7	281,850	-2.8	43	2,269	-3.1	41,100	-2.0
Arkansas.....	<i>1,762</i>	<i>23,590</i>	<i>-1.2</i>	<i>355,510</i>	<i>-.8</i>	<i>331</i>	<i>15,712</i>	<i>-.1</i>	<i>213,606</i>	<i>+.3</i>
California.....	<i>2,172</i>	<i>228,854</i>	<i>-4.1</i>	<i>5,761,446</i>	<i>-2.2</i>	<i>935</i>	<i>114,001</i>	<i>-1.5</i>	<i>2,795,794</i>	<i>+.6</i>
Colorado.....	1,327	39,190	-10.8	830,958	-4.4	161	11,037	-19.1	235,441	-3
Connecticut.....	2,166	168,251	-9	3,407,921	-1.0	666	131,800	+3	2,558,537	-1
Delaware.....	207	10,963	-4.3	235,532	-3.4	59	6,757	-4.6	136,140	-2.9
Dist. of Columbia.....	955	35,506	-9.4	826,968	-6.3	39	2,368	-5.6	71,847	-6.2
Florida.....	1,223	45,035	+1	694,854	-2.6	188	17,064	-10.7	232,253	-14.1
Georgia.....	1,539	90,377	-7	1,341,386	+1.4	320	65,773	+9	875,006	+3.8
Idaho.....	558	10,003	-9.5	183,815	-9.5	66	2,655	-24.1	48,046	-26.8
Illinois.....	<i>3,474</i>	<i>445,983</i>	<i>-2.4</i>	<i>9,960,033</i>	<i>-.6</i>	<i>1,972</i>	<i>268,720</i>	<i>+(*)</i>	<i>5,676,079</i>	<i>+1.3</i>
Indiana.....	2,567	157,334	-2.5	3,281,491	-5	613	109,768	-1	2,295,496	+1.8
Iowa.....	1,852	55,101	-4.9	1,105,119	-6.0	367	24,218	-7.1	482,940	-11.6
Kansas.....	<i>1,774</i>	<i>51,483</i>	<i>-5.7</i>	<i>1,097,125</i>	<i>-4.0</i>	<i>397</i>	<i>25,335</i>	<i>-6.8</i>	<i>553,512</i>	<i>-6.0</i>
Kentucky.....	1,490	79,723	-5	1,428,776	+2.0	275	28,349	+2.0	503,426	+4.4
Louisiana.....	1,065	42,471	-3.3	703,131	-2.4	222	22,800	-4	320,582	+5
Maine.....	876	48,149	+1.9	836,740	+3.1	251	39,363	+3.6	695,593	+5.1
Maryland.....	<i>1,552</i>	<i>96,435</i>	<i>-5.5</i>	<i>1,901,861</i>	<i>-4.7</i>	<i>572</i>	<i>60,761</i>	<i>-.4</i>	<i>1,094,962</i>	<i>-.8</i>
Massachusetts.....	<i>3,763</i>	<i>426,997</i>	<i>-2.5</i>	<i>9,198,024</i>	<i>-.7</i>	<i>1,568</i>	<i>237,322</i>	<i>+1.4</i>	<i>4,638,253</i>	<i>+2.5</i>
Michigan.....	3,509	360,487	+8.7	8,876,890	+11.0	769	518,859	+16.5	7,936,851	+13.0
Minnesota.....	2,282	77,354	-8.0	1,659,292	-9.3	375	29,516	-9.5	602,412	-14.7
Mississippi.....	618	15,789	-2.9	221,058	-1.1	96	9,023	-1.5	109,810	-3
Missouri.....	3,541	158,235	-3.5	3,349,659	-2.2	756	71,569	+1.5	1,411,898	+9
Montana.....	793	16,679	-2.3	394,913	-3.4	89	3,881	-11.3	82,569	-10.9
Nebraska.....	1,965	32,629	-8.8	678,959	-7.9	151	9,721	-14.1	214,720	-15.5
Nevada.....	265	3,423	-1.1	84,557	-3	26	912	+9	22,525	+2.3
New Hampshire.....	743	36,831	+1.7	698,776	+1.0	194	30,194	+3.5	548,153	+2.9
New Jersey.....	3,892	239,280	-4.0	5,376,446	-3.4	<i>7,143</i>	<i>207,540</i>	<i>+2.0</i>	<i>4,544,049</i>	<i>+2.4</i>
New Mexico.....	395	6,405	-3.3	122,602	-6	26	306	+1.0	6,236	-1.1
New York.....	18,667	744,353	-4.7	18,826,551	-2.6	<i>1,379</i>	<i>370,749</i>	<i>-.8</i>	<i>8,867,944</i>	<i>+.5</i>
North Carolina.....	1,281	124,243	-5	1,729,603	-3.3	548	113,268	+2	1,550,712	-3.3
North Dakota.....	603	6,175	-3.2	131,576	-2.8	48	689	(*)	15,723	-6
Ohio.....	9,035	508,954	-4	11,185,280	+2.8	2,329	356,434	+4.1	7,845,552	+7.0
Oklahoma.....	1,586	40,088	-1.3	767,761	-2.1	143	9,800	-2	191,849	+2.8
Oregon.....	1,475	39,491	-4.4	826,179	-3.4	255	17,969	-6.2	334,718	-5.0
Pennsylvania.....	9,580	769,601	-1.7	16,176,584	+3	<i>2,151</i>	<i>416,048</i>	<i>-.3</i>	<i>7,884,194</i>	<i>-.5</i>
Rhode Island.....	1,242	83,691	-1.3	1,665,321	-7	386	63,622	+6	1,177,369	+6
South Carolina.....	698	58,975	+7	769,056	+7	187	51,523	+1.8	646,806	+1.6
South Dakota.....	528	8,253	-2.6	221,003	+8.8	33	1,759	-6.5	34,651	-17.3
Tennessee.....	1,420	81,235	-3.3	1,318,523	-2.5	308	54,513	-1.6	830,180	-1.9
Texas.....	<i>1,413</i>	<i>69,353</i>	<i>-1.3</i>	<i>1,563,232</i>	<i>-2.1</i>	<i>431</i>	<i>55,515</i>	<i>+3.4</i>	<i>713,075</i>	<i>+1.5</i>
Utah.....	656	16,876	-7.2	350,622	-7.0	39	4,587	-15.1	84,811	-17.0
Vermont.....	523	13,603	-1.4	255,721	+2	137	8,151	+2.1	149,836	+5.3
Virginia.....	2,164	90,436	-9	1,583,072	+2.2	436	59,631	+2.7	990,496	+6.3
Washington.....	3,327	78,443	-6.1	1,645,372	-6.1	443	33,096	-5.7	626,599	-8.6
West Virginia.....	1,266	142,831	+5	2,856,913	+4.0	248	53,506	+2.6	1,079,255	+2.9
Wisconsin.....	<i>101,023</i>	<i>156,896</i>	<i>-1.0</i>	<i>3,148,119</i>	<i>-.6</i>	<i>753</i>	<i>125,943</i>	<i>+1.3</i>	<i>2,496,923</i>	<i>+1.9</i>
Wyoming.....	377	7,013	-5.0	176,245	-4.8	47	1,673	-17.8	44,153	-15.3

¹ Includes automobile dealers and garages, and sand, gravel, and building stone.

² Includes banks, insurance, and office employment.

³ Includes building and contracting.

⁴ Less than 1/10 of 1 percent.

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

⁶ Weighted percentage change.

⁷ Includes laundries.

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

⁹ No change.

¹⁰ Includes construction, but does not include hotels and restaurants, and public works.

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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 January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	111	2,316	-0.1	\$55,462	-5.0	719	6,480	-16.4	\$114,428	-11.6
Arizona.....	75	2,297	-1.7	30,133	-1.4	313	3,824	-8.6	65,741	-8.8
Arkansas.....	<i>86</i>	<i>1,461</i>	<i>-9</i>	<i>37,569</i>	<i>+9</i>	<i>217</i>	<i>2,773</i>	<i>-8.0</i>	<i>45,003</i>	<i>-3.2</i>
California.....	<i>95</i>	<i>5,244</i>	<i>+3</i>	<i>160,068</i>	<i>+3.3</i>	<i>124</i>	<i>27,816</i>	<i>-23.4</i>	<i>679,538</i>	<i>-17.0</i>
Colorado.....	154	3,369	-1.1	84,872	-2.2	609	9,930	-16.3	182,196	-12.8
Connecticut.....	214	7,295	+2.4	132,890	-1.6	985	14,288	-12.7	300,578	-7.9
Delaware.....	13	520	-1.1	11,713	+2	78	1,388	-11.5	28,406	-8.0
Dist. of Columbia.....	57	1,064	-6	31,863	+4.0	736	13,612	-22.5	281,987	-18.3
Florida.....	216	8,089	-7	110,737	-5.8	476	7,497	-6.5	131,711	-2.4
Georgia.....	105	1,451	-4.2	34,175	-4.5	786	9,207	-13.0	147,469	-8.9
Idaho.....	74	692	-28.4	14,647	-12.4	302	3,265	+2.7	53,699	+5
Illinois.....	373	<i>12,416</i>	<i>-3.5</i>	<i>537,090</i>	<i>-4.4</i>	<i>1,297</i>	<i>64,516</i>	<i>-13.8</i>	<i>1,824,064</i>	<i>-9.7</i>
Indiana.....	319	5,374	-5.9	133,667	-2.7	1,216	21,207	-13.4	395,359	-11.8
Iowa.....	169	3,317	-3.3	85,300	+2	695	12,216	-6.8	228,922	-3.7
Kansas.....	161	<i>2,360</i>	<i>-1.7</i>	<i>66,002</i>	<i>-3.3</i>	<i>734</i>	<i>8,741</i>	<i>-12.4</i>	<i>166,158</i>	<i>-6.1</i>
Kentucky.....	209	3,916	+12.9	69,205	+9.0	451	8,007	-14.1	139,509	-11.6
Louisiana.....	174	3,131	-6	72,592	-1.5	458	7,235	-16.3	124,459	-10.7
Maine.....	107	1,586	-2.4	38,181	-1.4	284	2,598	-14.1	50,736	-10.8
Maryland.....	<i>223</i>	<i>3,100</i>	<i>-1.2</i>	<i>73,844</i>	<i>-2.2</i>	<i>589</i>	<i>15,815</i>	<i>-24.8</i>	<i>305,671</i>	<i>-19.2</i>
Massachusetts.....	<i>394</i>	<i>17,680</i>	<i>-1.5</i>	<i>464,088</i>	<i>-2.5</i>	<i>4,367</i>	<i>68,037</i>	<i>-14.8</i>	<i>1,556,638</i>	<i>-11.3</i>
Michigan.....	327	6,235	-7	162,377	+1.9	1,659	32,828	-22.6	710,520	-15.2
Minnesota.....	324	8,975	-2.0	232,789	-3.0	1,135	18,684	-14.6	356,971	-11.7
Mississippi.....	64	1,130	-2.2	22,512	-1.1	217	2,465	-11.0	34,529	-7.4
Missouri.....	717	15,048	-3.1	382,287	-2.4	1,401	31,687	-16.0	646,485	-11.8
Montana.....	95	1,219	-6.9	29,114	-4.5	385	3,648	-4.3	75,603	-4.9
Nebraska.....	451	3,518	-1.3	89,970	-3.2	864	10,021	-13.1	171,832	-8.6
Nevada.....	52	327	(⁹)	10,883	+3.5	112	937	(⁹)	20,782	+1.4
New Hampshire.....	42	461	+2.1	12,550	+2.0	299	2,939	-8.6	58,216	-7.7
New Jersey.....	234	4,325	-8	123,974	-1.7	2,124	20,317	-24.0	453,596	-18.0
New Mexico.....	36	289	-11.9	6,542	-3.1	220	1,815	+1.1	31,200	+(⁴)
New York.....	3,357	59,874	-5	1,853,088	-9	10,742	145,016	-18.9	3,383,191	-13.7
North Carolina.....	62	8,773	-1.2	22,671	+1.4	490	5,147	-15.6	74,810	-10.5
North Dakota.....	116	562	-13.1	13,854	-4.5	186	2,325	-4.3	46,064	-5.7
Ohio.....	1,054	15,297	-8	392,786	-8	4,432	64,046	-19.4	1,220,992	-14.1
Oklahoma.....	173	2,790	+2.1	68,426	+2.0	780	10,605	-5.3	161,851	-4.6
Oregon.....	293	3,798	-1.4	103,052	-1.5	639	9,334	-6.5	173,755	-7.2
Pennsylvania.....	1,236	19,085	-2.1	529,575	-1.8	3,554	62,273	-19.8	1,233,039	-16.7
Rhode Island.....	93	1,750	-1.3	46,044	-3.5	614	9,478	-13.6	185,308	-8.6
South Carolina.....	66	828	+2	19,188	-1.1	308	3,454	-18.2	48,365	-10.5
South Dakota.....	53	582	-3	14,171	+1.1	260	2,127	-9	39,432	-2.8
Tennessee.....	209	3,226	-2.5	72,262	-1.4	532	9,533	-15.1	161,335	-12.6
Texas.....	<i>175</i>	<i>4,039</i>	<i>+1.4</i>	<i>104,099</i>	<i>+2.1</i>	<i>360</i>	<i>11,576</i>	<i>-12.7</i>	<i>201,257</i>	<i>-11.4</i>
Utah.....	82	1,120	-3.0	31,311	-2.3	331	3,775	-6.9	69,715	-3.7
Vermont.....	30	527	-4	12,045	-1.5	165	1,653	-7.9	32,559	-3.3
Virginia.....	209	4,212	-5.4	80,315	-3.8	1,144	10,772	-14.4	195,658	-10.8
Washington.....	808	10,072	-2.6	271,365	-2.3	1,701	19,247	-13.1	346,954	-10.3
West Virginia.....	121	1,841	-9	45,930	+1	307	3,967	-17.1	70,419	-8.0
Wisconsin.....	<i>45</i>	<i>1,964</i>	<i>-3</i>	<i>44,638</i>	<i>-2.4</i>	<i>63</i>	<i>10,881</i>	<i>-22.6</i>	<i>151,995</i>	<i>-16.5</i>
Wyoming.....	23	185	+2.2	5,090	+7	191	1,372	(⁹)	27,776	-1

⁴ Less than 1/10 of 1 percent.⁹ No change.

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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 January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	16	448	-5.3	\$5,398	-4.6	9	802	+3.5	\$13,013	+37.2
Arizona.....	3	32	-3.0	448	+24.1	22	3,725	-4	83,773	-3.7
Arkansas.....	3	89	+1.1	808	-4.7					
California.....	37	866	-8.1	14,409	-9.4	32	5,542	-6.7	60,755	-7.7
Colorado.....	5	22	-45.0	492	-14.9	11	841	+2.1	22,119	-2.0
Connecticut.....	23	119	-46.6	2,081	-43.3					
Delaware.....										
Dist. of Columbia.....										
Florida.....	16	881	-2.4	11,010	-4.5					
Georgia.....	24	1,535	+4.4	14,752	+3.2					
Idaho.....						8	1,708	-7	37,949	+1.1
Illinois.....	22	474	+4	8,179	+2.2					
Indiana.....	65	955	-10.3	14,645	-12.5					
Iowa.....	22	319	-1.5	4,695	-2.1					
Kansas.....	31	1,067	-2.8	21,190	-7.7	13	1,558	+3.9	22,771	+1.0
Kentucky.....	38	963	-1.0	8,139	-12.6					
Louisiana.....	5	606	+3	6,680	-10.5					
Maine.....	10	110	-57.2	1,646	-51.8					
Maryland.....	7	163	+10.9	2,296	+27.5					
Massachusetts.....	16	273	-22.0	5,616	-17.4					
Michigan.....	41	621	-20.2	10,383	-24.8	40	4,561	+3	71,869	+3.5
Minnesota.....	23	141	-25.4	2,417	-16.8	29	1,146	-20.7	18,929	-32.8
Mississippi.....	8	149	+12.0	951	+5.4					
Missouri.....	53	964	-18.5	12,546	-12.3	13	1,833	-1	18,848	-9
Montana.....	6	64	-15.8	851	-23.1	14	3,692	+11.1	98,958	+2.3
Nebraska.....	9	155	-30.8	1,264	-22.6					
Nevada.....						15	564	-3.9	13,745	-10.0
New Hampshire.....	10	72	-68.6	1,278	-79.8					
New Jersey.....	32	456	-12.3	8,303	-17.3					
New Mexico.....						4	826	-7.8	16,262	-1.6
New York.....	77	1,492	-24.1	28,110	-20.7					
North Carolina.....	9	235	+4.4	2,632	+19.1					
North Dakota.....										
Ohio.....	125	2,458	-13.3	36,123	-7.6					
Oklahoma.....	13	117	-15.8	1,462	-9.1	25	1,326	-6.2	20,887	-7.1
Oregon.....	5	55	-12.7	827	-19.6					
Pennsylvania.....	141	3,397	-15.5	50,568	-8.0					
Rhode Island.....										
South Carolina.....	5	140	-7	1,599	+7.1					
South Dakota.....	4	24	-47.8	274	-49.5					
Tennessee.....	17	573	-5.3	6,303	-8	4	331	-1.2	7,066	+6.9
Texas.....	20	607	-14.1	15,201	-16.6					
Utah.....	7	85	-7.6	1,479	-8.5	12	1,681	-3.1	35,910	-3.9
Vermont.....	37	1,463	-13.4	22,775	-19.3					
Virginia.....	31	917	-20.7	10,478	-10.1					
Washington.....	10	169	+7.6	2,097	+2.6					
West Virginia.....	20	773	-1.8	10,146	+2.7					
Wisconsin.....	12	92	-17.1	1,244	-17.9	(11)	710	-8.1	15,517	-5.7
Wyoming.....										

11 Not available.

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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 January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	44	6,887	+6.5	\$110,207	+6.7					
Arizona.....						6	257	-11.4	\$6,339	+14.4
Arkansas.....						28	4,081	-17.0	131,528	-17.8
California.....										
Colorado.....	36	4,043	-3.6	78,830	-7.4					
Connecticut.....										
Delaware.....										
Dist. of Columbia.....										
Florida.....										
Georgia.....										
Idaho.....										
Illinois.....	30	<i>9,272</i>	+5	<i>215,081</i>	-4.1	8	153	-3.8	3,385	-2.2
Indiana.....	42	4,802	-1.2	114,994	+3.4	4	21	(^o)	344	+7.2
Iowa.....	16	1,385	+2.4	27,714	-2.2					
Kansas.....	<i>23</i>	<i>2,109</i>	+1.0	<i>45,011</i>	+11.2	25	1,494	+9	36,347	+4.5
Kentucky.....	127	27,192	+6	494,564	+4.8	4	235	-2.5	3,631	-3.7
Louisiana.....						11	283	+3.7	7,176	+5.1
Maine.....										
Maryland.....	<i>12</i>	<i>1,417</i>	+6.0	<i>27,248</i>	+1.5					
Massachusetts.....										
Michigan.....	3	931	+5.1	24,958	+17.8	3	38	-54.8	936	-22.2
Minnesota.....										
Mississippi.....										
Missouri.....	16	1,598	-1.1	28,246	+1.3					
Montana.....	8	863	+6	21,058	-5.1	6	26	-40.9	752	-8.8
Nebraska.....										
Nevada.....										
New Hampshire.....										
New Jersey.....										
New Mexico.....	12	1,562	-8.1	33,149	+8	6	177	-10.6	4,900	-9.9
New York.....						3	60	(^o)	1,519	-9
North Carolina.....										
North Dakota.....	7	586	-2	12,679	+4					
Ohio.....	67	13,113	+7	256,010	+8	7	196	-2.5	3,873	-1
Oklahoma.....	17	805	+1.1	12,310	-23.8	66	5,126	+2	113,103	-9.9
Oregon.....										
Pennsylvania.....	435	75,057	+4	1,392,815	+6.4	15	613	+5.9	14,645	+3.5
Rhode Island.....										
South Carolina.....										
South Dakota.....										
Tennessee.....	13	2,992	+1.0	47,924	+3.9					
Texas.....	5	370	+8	6,289	-5.5	19	7,389	-3.1	248,790	-5.8
Utah.....	14	2,113	-3.4	55,482	-4.9					
Vermont.....										
Virginia.....	23	4,649	+2	84,183	+2.3					
Washington.....	15	1,209	+1.6	33,898	+6.9					
West Virginia.....	367	72,852	+3	1,429,887	+6.5	7	557	-7.8	10,947	-8.7
Wisconsin.....										
Wyoming.....	23	2,700	+1	74,305	-7	6	137	-8.7	3,942	-9.9

^o No change.

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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 January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	89	1,890	+0.2	\$40,809	-0.1	22	1,193	-0.9	\$10,414	+0.3
Arizona.....	69	1,699	+8.4	40,208	+3.8	20	679	+14.1	9,715	+9.6
Arkansas.....	<i>87</i>	<i>1,283</i>	-3.5	<i>31,189</i>	-1.6	<i>34</i>	<i>970</i>	-3.9	<i>8,899</i>	+1.8
California.....	<i>46</i>	<i>42,946</i>	+1.1	<i>1,238,675</i>	-2.0	<i>179</i>	<i>10,870</i>	+6.3	<i>162,881</i>	+4.9
Colorado.....	210	5,766	-1.1	146,062	-1.1	53	1,322	-1.0	18,398	+1.7
Connecticut.....	132	9,889	+6	303,250	-1.0	31	1,283	-2.1	17,007	-3.3
Delaware.....	29	1,142	+2.1	31,349	-4.1	5	287	+1.1	3,832	-(⁴)
Dist. of Columbia.....	22	10,034	+2.4	279,758	+2.8	47	4,444	+4.3	69,497	+3.2
Florida.....	185	5,171	-(⁴)	127,639	+7	95	4,570	+126.9	47,567	+120.3
Georgia.....	186	7,412	+(⁴)	195,737	+2	38	1,677	+13.8	14,102	+14.4
Idaho.....	57	802	-1	16,158	-1.5	19	418	+1.2	4,953	+2
Illinois.....	<i>77</i>	<i>70,361</i>	-4	<i>2,058,384</i>	+1.9	<i>13</i>	<i>255</i>	+2.0	<i>210,777</i>	+2.0
Indiana.....	122	8,717	-1.4	218,807	-2.2	65	2,829	+7	29,660	-1.3
Iowa.....	483	9,413	-1.5	222,401	+7	58	2,621	+4.2	23,574	-1.1
Kansas.....	<i>13</i>	<i>174</i>	-8	<i>168,612</i>	+1.0	<i>85</i>	<i>598</i>	+1.4	<i>6,958</i>	+(⁴)
Kentucky.....	285	6,424	-3.5	148,099	-6	33	1,889	+1.2	19,481	-(⁴)
Louisiana.....	151	5,726	-1.3	138,115	-1.4	20	2,036	-2.1	22,402	-2.8
Maine.....	168	2,968	+5.9	76,553	+2.5	17	604	-1.3	7,617	-2.1
Maryland.....	<i>99</i>	<i>12,535</i>	-4	<i>359,598</i>	+2	<i>18</i>	<i>685</i>	-9	<i>8,386</i>	-2.6
Massachusetts.....	<i>13</i>	<i>186</i>	-1.4	<i>1,359,167</i>	+1.8	<i>67</i>	<i>5,470</i>	-9.7	<i>81,518</i>	-6.6
Michigan.....	406	28,064	+3	879,555	+1.3	94	5,239	-8.4	66,885	-2.5
Minnesota.....	236	12,633	+2	335,826	-1.1	68	3,066	+1.1	37,262	-3
Mississippi.....	191	2,032	+4	41,874	+1.9	18	542	-3.4	4,588	+4.1
Missouri.....	288	20,988	+1	572,671	+9	90	5,180	+1.5	63,904	+2.7
Montana.....	114	2,186	+5	66,493	+1.4	33	520	+2	7,077	-2.5
Nebraska.....	303	5,759	-1	145,990	-2	38	1,684	+2.5	17,963	-8
Nevada.....	38	379	-5.3	11,632	+6	15	239	-1.2	3,467	-9
New Hampshire.....	137	2,188	+8	61,886	+1.7	10	230	+4	2,767	-1.5
New Jersey.....	265	21,185	+1.0	634,642	+1.9	76	3,999	+1.2	49,791	-2.2
New Mexico.....	54	640	+1.4	13,122	+3	16	445	-7	4,491	-1.7
New York.....	897	124,420	+1	4,012,518	-3	221	31,054	-6	495,783	-1.0
North Carolina.....	97	2,076	+4.1	43,147	+1.8	33	1,519	+1.8	13,306	+4.1
North Dakota.....	181	1,312	-1.1	32,141	-2	18	270	-4	2,923	-3.9
Ohio.....	484	35,168	-6	990,478	-3	125	8,963	-1	116,828	-(⁴)
Oklahoma.....	269	6,557	+1.0	153,686	+1.3	41	1,404	+2.8	15,589	+1.3
Oregon.....	139	2,278	+1.2	64,615	+1.2	63	1,400	+7	18,283	-2
Pennsylvania.....	780	52,750	-4	1,538,786	+3	149	9,825	-7	133,154	-2.3
Rhode Island.....	47	5,625	+1.5	158,574	+1.1	10	351	-1.4	4,998	-7
South Carolina.....	77	1,955	+5.8	39,553	-8	16	437	+35.7	3,822	+36.0
South Dakota.....	130	1,032	-2.5	25,129	-3.2	18	246	-3.4	2,905	-1.7
Tennessee.....	248	4,989	-1.9	118,824	+3.1	35	2,440	-1.4	20,866	-1.7
Texas.....	379	8,354	-1.6	226,651	-1.0	35	2,083	-1	26,159	-1.4
Utah.....	71	1,897	-3	39,578	-1.2	15	499	-3.7	6,379	-1.3
Vermont.....	101	1,089	+7	26,836	-7	15	347	-3	3,326	-8
Virginia.....	178	5,842	-2	145,740	+1.7	36	1,806	-3.0	10,023	-2.9
Washington.....	199	10,867	+3	283,698	-1.0	85	2,600	+2.6	30,561	-6
West Virginia.....	119	6,689	+4	168,885	-1.0	36	1,234	+8	13,419	-1.3
Wisconsin.....	<i>14</i>	<i>411</i>	+1	<i>334,443</i>	+8	<i>42</i>	<i>1,414</i>	+1.4	<i>(¹¹)</i>	-----
Wyoming.....	49	499	-6	11,878	+4	12	97	-1.0	1,304	-2.1

⁴ Less than 1/10 of 1 percent.⁹ No change.¹¹ Not available.¹² Includes restaurants.¹³ Includes steam railways.¹⁴ Includes railways and express.

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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 January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	17	824	-1.4	\$8,318	+0.1	3	49	-7.5	\$709	+6.0
Arizona.....	12	349	+2.9	4,576	+5.0					
Arkansas.....	19	543	- .8	5,503	+ .8	3	29	-6.5	393	-10.7
California.....	1 ⁶ 63	4,453	- .3	73,308	- .6					
Colorado.....	32	1,480	+1.5	20,084	+1.1	16	201	-5.2	3,656	-4.6
Connecticut.....	39	1,585	+ .3	25,793	+1.0	14	276	-2.8	5,633	-1.2
Delaware.....	4	301	+ .3	5,160	- .5	3	47	-17.5	954	-10.0
Dist. of Columbia.....	17	2,578	+ .9	41,207	+2.8	4	92	-6.1	1,724	-7.5
Florida.....	19	956	+17.7	10,342	+25.2	6	79	(^o)	1,130	+ .4
Georgia.....	22	2,110	-1.8	24,359	+1.7	7	155	(^o)	2,001	- .2
Idaho.....	17	335	- .9	5,235	- .8					
Illinois.....	1 ⁶ 67	3,098	+ .4	48,648	+1.5					
Indiana.....	41	1,842	+1.3	25,898	+2.5	31	546	-1.3	9,678	+8.2
Iowa.....	29	1,125	+ .7	15,155	+1.8	9	124	-6.8	2,133	-8.4
Kansas.....	1 ⁶ 31	780	-8.7	9,677	-6.8					
Kentucky.....	36	1,708	+ .9	21,627	+1.0	8	278	+ .7	3,933	+1.5
Louisiana.....	6	334	(^o)	3,364	+ .9	4	91	+2.2	1,239	+3.6
Maine.....	26	550	-1.6	7,641	- .8	6	141	-6.6	2,478	-6.2
Maryland.....	23	1,764	+1.1	26,581	- (4)	9	192	-1.5	3,457	+1.4
Massachusetts.....	128	5,175	-1.8	83,557	-2.4	79	1,224	-1.0	35,637	-1.1
Michigan.....	56	2,755	+1.8	41,121	+4.7	32	396	-1.5	17,957	+2.4
Minnesota.....	35	1,395	- .9	23,322	+1.4	15	436	+3.3	7,638	+4.8
Mississippi.....	6	271	- .7	3,034	-2.5	5	52	+2.0	748	+4.8
Missouri.....	48	2,711	-2.4	36,417	+2.5	22	926	-6.6	15,397	- .9
Montana.....	13	348	(^o)	6,181	+2.3	7	49	(^o)	888	-4.5
Nebraska.....	16	992	+6.6	13,813	+7.1	11	210	+4.0	3,458	+2.2
Nevada.....	3	47	(^o)	957	+5.2					
New Hampshire.....	20	311	-1.6	4,419	-2.2	5	82	+2.5	1,300	-7.9
New Jersey.....	45	4,617	-2.0	77,737	-2.3	15	356	-1.1	6,993	-6.2
New Mexico.....	4	209	+6.1	3,205	+1.3	3	14	-12.5	303	-2.3
New York.....	73	7,054	-1.9	124,832	-1.6	24	480	-3.2	8,715	-4.8
North Carolina.....	9	587	+ .9	6,673	+3.4	7	109	-5.2	1,522	+ .6
North Dakota.....	10	195	+1.0	2,898	-2.0					
Ohio.....	77	3,776	+ .2	61,284	+1.7	77	2,009	-1.3	36,650	- .1
Oklahoma.....	21	893	+ .8	11,146	+2.7	13	180	(^o)	2,270	-2.7
Oregon.....	11	322	+1.6	5,101	+1.2	10	93	-4.1	1,766	- .8
Pennsylvania.....	37	2,513	-1.2	39,747	+ .9	43	1,498	-3.5	25,434	-3.3
Rhode Island.....	20	1,075	- .7	18,313	+1.5	7	358	-8.7	6,134	-11.9
South Carolina.....	9	423	+1.4	4,082	+4.4	9	78	+1.3	1,097	+ .8
South Dakota.....	5	110	+ .9	1,347	- .1	3	34	-10.5	641	-7.6
Tennessee.....	16	1,423	- .2	14,507	+3.3	9	132	-5.7	1,722	-3.0
Texas.....	28	1,570	- .8	18,194	- .2	19	456	-2.4	7,992	+ .7
Utah.....	9	587	-1.0	3,466	-2.8	10	81	-9.0	1,314	-12.2
Vermont.....	6	104	-1.0	1,279	- .5	5	57	-8.1	852	-5.5
Virginia.....	24	1,052	+ .7	12,375	+2.3	27	323	-5.6	4,889	-4.6
Washington.....	15	589	- .8	9,850	-3.3	14	164	-5.2	2,781	-7.7
West Virginia.....	15	594	+4.4	8,124	+2.9	10	249	+ .4	3,561	+3.0
Wisconsin.....	1 ⁶ 28	913	+ .8	15,136	+5.8					
Wyoming.....	8	161	+1.3	2,682	+ .3	3	19	-5.0	394	-7.1

1 Less than 1/10 of 1 percent.

2 No change.

3 Includes dyeing and cleaning.

Table 8.—Comparison of Employment and Pay Rolls in Identical Establishments in January 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, insurance, and real estate				
	Number of establishments	Number on pay roll January 1935	Percentage change from December 1934	Amount of pay roll (1 week) January 1935	Percentage change from December 1934
Alabama.....	29	562	+1.1	16,207	+1.3
Arizona.....	15	261	- .4	5,815	+ .6
Arkansas.....	19	187	(⁹)	4,900	+3.7
California.....	1,112	21,874	-(⁹)	711,697	- .8
Colorado.....	40	1,179	-1.5	38,898	-1.0
Connecticut.....	62	1,716	- .2	62,152	+ .3
Delaware.....	14	465	+ .4	16,880	+ .2
District of Columbia.....	33	1,314	- .1	49,095	+1.0
Florida.....	22	708	+ .9	22,465	+1.3
Georgia.....	51	1,057	+ .4	33,785	+ .8
Idaho.....	13	110	-1.8	2,758	-1.5
Illinois.....	96	9,926	+ .1	351,544	- .3
Indiana.....	49	1,273	+ .3	42,958	+1.1
Iowa.....	14	393	- .3	12,235	+1.7
Kansas.....	¹⁶ 49	<i>963</i>	- .8	<i>31,993</i>	+2.0
Kentucky.....	24	782	-1.9	27,162	-1.9
Louisiana.....	14	220	-5.2	6,522	-4.5
Maine.....	17	229	-1.3	6,295	- .4
Maryland.....	39	1,203	- .4	42,335	+ .9
Massachusetts.....	¹⁶ 227	7,748	+ .2	<i>227,548</i>	+ .5
Michigan.....	186	6,558	- .9	208,188	- .4
Minnesota.....	42	1,312	+ .5	41,676	+2.5
Mississippi.....	13	125	(⁹)	3,012	+ .8
Missouri.....	137	5,731	+ .2	160,960	+ .9
Montana.....	23	183	-1.1	5,369	(⁹)
Nebraska.....	22	569	- .4	19,949	+1.7
Nevada.....	3	14	+7.7	466	+2.2
New Hampshire.....	26	334	- .6	8,207	+4.6
New Jersey.....	141	13,089	+ .3	387,562	+1.4
New Mexico.....	13	116	+2.7	3,152	+1.4
New York.....	790	52,903	+ .1	1,727,662	+1.0
North Carolina.....	26	529	- .2	14,130	+ (⁹)
North Dakota.....	34	210	-1.4	4,822	- .5
Ohio.....	258	7,494	- .9	254,704	-1.4
Oklahoma.....	25	485	- .8	15,182	+1.7
Oregon.....	15	763	- .4	26,550	+ .5
Pennsylvania.....	<i>654</i>	<i>19,905</i>	+ .1	<i>641,489</i>	+1.1
Rhode Island.....	64	1,421	+ .5	58,448	- .3
South Carolina.....	12	137	+3.8	4,444	+7.6
South Dakota.....	31	216	-4.8	5,505	-2.3
Tennessee.....	34	1,083	+ .3	37,534	+1.5
Texas.....	48	1,632	- .1	45,511	+ .6
Utah.....	16	451	- .4	16,177	-1.0
Vermont.....	27	212	+ .5	6,213	- .1
Virginia.....	56	1,232	- .6	39,915	+ .6
Washington.....	35	1,200	-1.6	37,346	- .7
West Virginia.....	40	569	+ .7	16,340	+1.2
Wisconsin.....	35	1,139	+7.7	39,506	+7.8
Wyoming.....	13	121	+1.7	3,635	+ .9

⁴ Less than 1/10 of 1 percent.

⁹ No change.

¹⁶ Does not include brokerage and real estate.

Employment and Pay Rolls in January 1935, in Cities of Over 500,000 Population

FLUCTUATIONS in employment and pay-roll totals in January 1935 as compared with December 1934 in 13 cities of the United States having a population of 500,000 or over are presented in table 9. These changes are computed from reports received from identical establishments in each of the months considered.

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

Table 9.—Fluctuations in Employment and Pay Rolls in January 1935 as Compared With December 1934

Cities	Number of establishments reporting in both months	Number on pay roll		Percentage change from December 1934	Amount of pay roll (1 week)		Percentage change from December 1934
		December 1934	January 1935		December 1934	January 1935	
New York City.....	14,364	584,433	553,162	-5.4	\$14,998,507	\$14,424,391	-3.8
Chicago, Ill.....	3,504	328,775	320,175	-2.6	7,813,853	7,638,645	-2.2
Philadelphia, Pa.....	2,874	219,085	211,092	-3.6	5,037,854	4,851,215	-3.7
Detroit, Mich.....	1,540	212,966	235,192	+10.4	5,455,105	6,092,559	+11.7
Los Angeles, Calif.....	2,236	112,094	107,872	-3.8	2,611,382	2,586,476	-1.0
Cleveland, Ohio.....	2,043	124,105	123,167	-0.8	2,781,438	2,789,430	+0.3
St. Louis, Mo.....	1,857	116,418	112,651	-3.2	2,473,398	2,426,388	-1.9
Baltimore, Md.....	1,346	78,709	73,338	-6.8	1,553,236	1,514,056	-2.5
Boston, Mass.....	3,788	151,218	147,019	-2.8	3,426,828	3,416,288	-0.3
Pittsburgh, Pa.....	1,431	120,175	115,424	-4.0	2,542,094	2,472,010	-2.8
San Francisco, Calif.....	1,486	68,590	66,199	-3.5	1,666,321	1,638,341	-1.7
Buffalo, N. Y.....	868	59,987	59,777	-0.4	1,333,672	1,382,179	+3.6
Milwaukee, Wis.....	800	63,970	62,974	-1.6	1,424,567	1,395,551	-2.0

Employment on Class I Steam Railroads in the United States

REPORTS of the Interstate Commerce Commission for class I railroads show that the number of employees, exclusive of executives and officials, decreased from 949,382 on December 15, 1934, to 946,958 (preliminary) on January 15, 1935, or 0.3 percent. Data are not yet available concerning total compensation of employees for January 1935. The latest pay-roll information available shows an increase from \$117,962,289 in November 1934 to \$118,064,291 in December 1934, or 0.1 percent.

The monthly trend of employment from January 1923 to January 1935 on class I railroads—that is, all roads having operating revenues of \$1,000,000 or over—is shown by index numbers published in table 10. These index numbers, constructed by the Interstate Commerce Commission, are based on the 3-year average, 1923-25, as 100, and cover all employees.

Table 10.—Indexes of Employment on Class I Steam Railroads in the United States, January 1923 to January 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	¹ 53.7
February.....	98.6	96.9	95.3	95.8	95.0	88.7	88.6	85.2	72.6	60.2	52.7	54.6	-----
March.....	100.4	97.3	95.1	96.5	95.6	89.7	89.8	85.3	72.7	60.5	51.5	55.9	-----
April.....	101.9	98.8	96.5	98.6	97.1	91.5	91.9	86.7	73.4	59.9	51.8	56.9	-----
May.....	104.8	99.1	97.7	100.0	99.1	94.4	94.6	88.3	73.8	59.6	52.5	58.5	-----
June.....	107.1	97.9	98.5	101.3	100.7	95.8	95.8	86.3	72.7	57.7	53.6	59.0	-----
July.....	108.2	98.0	99.3	102.6	100.7	95.4	96.3	84.5	72.3	56.3	55.4	58.7	-----
August.....	109.2	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	57.0	-----
October.....	107.1	100.7	100.4	103.1	98.5	95.2	96.6	80.2	67.6	56.9	57.4	56.6	-----
November.....	105.0	98.9	98.9	101.0	95.5	92.7	92.8	76.9	64.4	55.8	55.8	54.8	-----
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	-----

¹ Preliminary.

Source: Interstate Commerce Commission.

Employment and Pay Rolls in the Federal Service, January 1935

INCREASES were shown in employment in the executive, military, and legislative branches of the United States Government, comparing January 1935 with December 1934. There was a slight decrease in employment in the judicial service.

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. Employment data for the legislative, judicial, and military services are collected and compiled by the Bureau of Labor Statistics.

Table 11 shows the number of employees in the executive departments of the Federal Government. Data for employees working in the District of Columbia are shown separately. Approximately 14-percent of the employees in the executive branches are employed in the city of Washington.

Table 11.—Employees in the Executive Service of the United States, January 1934, December 1934, and January 1935

Item	District of Columbia			Outside the District			Entire service		
	Perma- nent	Tempo- rary ¹	Total	Perma- nent	Tempo- rary ¹	Total	Perma- nent	Tempo- rary ¹	Total
Number of employees:									
January 1934.....	69,808	8,237	78,045	472,163	57,931	530,094	541,971	66,168	608,139
December 1934.....	86,451	7,599	90,050	502,371	75,852	578,223	588,822	83,451	672,273
January 1935.....	87,106	7,283	94,389	503,014	77,694	580,608	590,120	84,877	674,997
Gain or loss:									
January 1934 to January 1935.....	+17,298	-954	+16,344	+30,851	+19,663	+50,514	+48,149	+18,709	+66,858
December 1934 to Janu- ary 1935.....	+655	-316	+339	+643	+1,742	+2,385	+1,298	+1,426	+2,724
Percentage change:									
January 1934 to January 1935.....	+24.78	-11.58	+20.94	+6.53	+33.94	+9.53	+8.88	+28.27	+10.99
December 1934 to Janu- ary 1935.....	+0.76	-4.16	+0.36	+0.13	+2.30	+0.41	+0.22	+1.71	+0.41
Labor turn-over January 1935:									
Additions ²	2,363	1,215	3,578	6,861	18,014	24,875	9,224	19,229	28,453
Separations ²	1,549	1,307	2,856	6,679	16,194	22,873	8,228	17,501	25,729
Turn-over rate per 100.....	1.78	16.33	3.03	1.33	21.11	3.95	1.40	20.79	3.82

¹ Not including field employees of the Post Office Department nor 50,168 employees hired under letters of authorization by the Agriculture Department with a pay roll of \$761,823.

² Not including employees transferred within the Government service.

Comparing January 1935 with the preceding month, there was a gain of over 2,700 in employment in the executive departments.

Comparing January with the corresponding month of the preceding year, there was a gain of nearly 67,000. Employment in the executive departments in the District of Columbia increased 20.9 percent, while such employment outside the District increased only 9.5 percent, comparing January 1935 with the same month of 1934.

Comparing January with December, the gain inside and outside the District of Columbia amounted to less than one-half of 1 percent.

Table 12 shows employment in the executive departments of the United States Government by months, January 1934 to January 1935, inclusive.

Table 12.—Employment in the Executive Departments of the United States by Months

Months	District of Col- umbia	Outside District of Col- umbia	Total	Months	District of Col- umbia	Outside District of Col- umbia	Total
1934				1934			
January.....	78,045	530,094	608,139	August.....	91,065	585,772	676,837
February.....	79,913	531,839	611,752	September.....	92,557	589,280	681,837
March.....	81,569	541,990	623,559	October.....	93,322	590,183	683,505
April.....	83,850	560,258	644,108	November.....	93,827	581,615	675,442
May.....	85,939	573,147	659,086	December.....	94,050	578,223	672,273
June.....	87,196	573,898	661,094	1935			
July.....	87,978	583,531	671,509	January.....	94,389	580,608	674,997

Table 13 shows the number of employees and the amounts of pay rolls for all branches of the United States Government by months, January 1934 to January 1935, inclusive.

Table 13.—Employment and Pay Rolls for the United States Government

Month	Executive service		Military service		Judicial service		Legislative service ¹		Total	
	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	262, 942	\$18, 499, 516	1, 780	\$417, 000	4, 777	\$966, 193	877, 638	\$97, 333, 207
February...	611, 752	83, 524, 296	263, 464	19, 532, 832	1, 742	430, 843	4, 784	1, 020, 803	881, 742	104, 508, 774
March.....	623, 550	84, 837, 493	266, 285	19, 050, 158	1, 854	443, 505	4, 799	1, 022, 808	896, 497	105, 353, 964
April.....	644, 108	85, 090, 283	266, 923	18, 816, 636	1, 904	432, 401	4, 797	1, 020, 924	917, 732	105, 360, 244
May.....	659, 086	89, 577, 479	266, 864	19, 216, 150	1, 913	442, 896	4, 794	1, 035, 106	932, 657	110, 271, 631
June.....	661, 094	91, 540, 629	267, 038	19, 539, 020	1, 881	439, 170	4, 810	1, 039, 198	934, 823	112, 558, 017
July.....	671, 509	95, 184, 175	268, 257	20, 391, 629	1, 750	434, 736	4, 645	1, 073, 348	946, 161	117, 083, 888
August.....	676, 837	98, 518, 203	268, 712	20, 501, 900	1, 690	439, 014	4, 655	1, 072, 406	951, 894	120, 531, 523
September..	681, 837	98, 848, 540	269, 489	20, 855, 093	1, 777	486, 410	4, 653	1, 070, 956	957, 756	121, 260, 999
October....	683, 505	101, 632, 505	270, 490	19, 945, 777	1, 846	453, 217	4, 632	1, 070, 290	960, 473	123, 101, 789
November..	675, 442	100, 787, 487	272, 572	21, 786, 447	1, 885	451, 653	4, 630	1, 070, 881	954, 529	124, 096, 468
December..	672, 273	100, 736, 351	272, 200	20, 971, 678	1, 861	446, 130	4, 648	1, 057, 996	950, 982	123, 212, 155
1935										
January....	674, 997	97, 614, 242	273, 620	21, 211, 781	1, 830	462, 895	4, 722	1, 077, 401	955, 169	120, 366, 319

¹ Subject to revision.

² Revised.

Employment Created by Public Works Administration Fund, January 1935¹

THERE were nearly 305,000 men employed at the site of Public Works Administration construction projects during the month ending January 15. This is a decrease of 78,000 as compared with the preceding month. The men worked nearly 27,500,000 hours during the month and earned over \$18,400,000, an average rate of over 67 cents per hour.

Orders were placed for material valued at \$28,800,000 during the month.

By Type of Project

TABLE 14 shows, by type of project, employment, pay rolls, and man-hours worked during the month of January 1935¹ on construction projects financed by the Public Works Administration fund.

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

Table 14.—Employment and Pay Rolls on Construction Projects Financed from Public Works Funds, January 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 ¹	Weekly average				
Federal projects						
All projects.....	* 191,829	181,996	\$11,533,770	17,963,571	\$0.642	\$14,673,734
Building construction.....	15,678	13,177	938,762	1,243,177	.755	1,764,719
Forestry.....	1,098	1,087	102,081	121,657	.839	35,157
Naval vessels.....	21,161	20,636	2,769,958	3,287,192	.643	2,124,196
Public roads ²	(4)	88,350	2,844,800	5,844,000	.487	2,900,000
Reclamation.....	17,075	16,397	1,580,007	2,336,946	.676	2,395,852
River, harbor, and flood control.....	30,042	24,547	2,078,570	3,044,126	.683	4,078,924
Streets and roads.....	4,563	4,011	170,504	352,758	.484	375,988
Water and sewerage.....	4,886	4,779	52,942	81,018	.653	70,660
Miscellaneous.....	12,976	12,312	996,056	1,652,697	.603	928,140
Non-Federal projects						
All projects.....	97,957	81,220	\$5,982,478	8,046,031	\$0.744	\$11,203,643
Building construction.....	39,293	32,191	2,557,261	2,834,978	.902	5,137,580
Railroad construction.....	12,856	11,944	1,099,164	1,822,251	.603	205,345
Streets and roads.....	10,200	7,897	434,935	656,978	.662	859,999
Water and sewerage.....	34,412	28,311	1,816,736	2,681,513	.690	3,410,470
Miscellaneous.....	1,196	877	74,382	100,311	.742	1,590,449

¹ Maximum number employed during any one week of the month by each contractor and Government agency doing force account work.

² Includes weekly average for public roads.

³ Estimated by the Bureau of Public Roads.

⁴ Not available; average number included in total.

Federal construction projects as shown in the table above 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 the contracts have been awarded or by day labor hired directly by the Federal agencies.

Non-Federal projects are financed from allotments made by the Public Works Administration to a State or political subdivisions thereof, or in some cases, to commercial firms. In the case of allotments to States and their political subdivisions, the Public Works Administration makes a direct grant of not more than 30 percent of the total construction cost. The public agency to which the loan is made finances the other 70 percent. For many projects, the additional funds are obtained as a loan from the Public Works Administration.

For other projects, a loan is procured from outside sources. 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, 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 is shown in table 14. Employment in railroad car and locomotive shops and in commercial car and locomotive shops is shown in table 16, page 36.

The number of wage earners employed on Federal construction projects decreased 63,000, and the number of wage earners on non-Federal projects decreased 12,000, comparing January with December. The larger part of the decrease in Federal projects occurred in public-road building and in river, harbor, and flood-control work. The decrease in non-Federal employment occurred, for the most part, in street and road building. The average earnings per hour on non-Federal projects was 10 cents more than on Federal projects. The range in hourly earnings on Federal projects was from 48 cents in the case of road building to 84 cents in the case of work on naval vessels. On non-Federal projects hourly earnings ranged from 60 cents for railroad construction to 90 cents for building construction.

By Geographic Divisions

TABLE 15 shows employment, pay rolls, and man-hours worked during January 1935 on Federal and non-Federal construction projects financed from the public works fund, by geographic divisions.

Table 15.—Employment and Pay Rolls on Construction Projects Financed from Public Works Funds, January 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 ¹	Weekly average				
Federal projects						
All divisions ²	191,829	181,206	\$11,533,770	17,963,571	\$0.642	³ \$14,673,734
New England.....	10,278	9,824	846,530	1,111,922	.761	809,022
Middle Atlantic.....	19,506	18,607	1,272,521	1,794,751	.709	1,204,182
East North Central.....	16,689	15,382	877,917	1,233,927	.711	920,391
West North Central.....	25,863	23,669	924,626	1,626,700	.568	1,034,667
South Atlantic.....	35,119	33,371	2,600,973	3,810,749	.683	2,013,216
East South Central.....	25,780	25,314	1,258,292	2,354,043	.535	644,013
West South Central.....	24,394	23,120	925,124	1,996,342	.463	567,069
Mountain.....	17,315	16,433	1,473,039	2,242,508	.657	1,870,079
Pacific.....	12,101	11,300	1,110,052	1,326,972	.837	2,322,671
Outside continental United States.....	4,423	3,915	211,115	419,281	.504	385,305
Non-Federal projects						
All divisions.....	97,957	81,220	\$5,982,478	8,046,031	\$0.744	\$11,203,643
New England.....	13,235	10,255	730,341	948,546	.770	1,216,473
Middle Atlantic.....	18,520	15,584	1,343,807	1,524,817	.881	3,035,618
East North Central.....	12,735	10,496	828,895	920,127	.901	1,759,850
West North Central.....	9,779	7,958	557,381	793,818	.702	1,866,975
South Atlantic.....	20,741	18,141	1,397,795	2,275,785	.614	1,134,028
East South Central.....	5,533	4,587	223,320	363,194	.615	319,821
West South Central.....	6,560	5,260	288,807	465,257	.621	842,231
Mountain.....	2,784	2,348	154,094	199,080	.772	278,910
Pacific.....	7,142	5,944	415,382	483,703	.859	685,670
Outside continental United States.....	928	647	42,656	71,104	.600	66,067

¹ 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.

² Includes data for 361 wage earners which cannot be charged to any specific geographic division.

³ Includes \$2,900,000, estimated value of material orders placed.

There were decreases in employment on Federal projects in all nine geographic divisions comparing January with December. On non-Federal projects there were decreases in eight of the nine geographic divisions. Hourly earnings on Federal projects were highest in the Pacific States, where the average was 84 cents, and lowest in the West South Central States, where the average was 46 cents. On non-Federal projects the highest average hourly earnings occurred in the East North Central States and the lowest in the South Atlantic States.

Table 16 shows employment, pay rolls, and man-hours worked in car and locomotive shops on work financed from the Public Works Administration fund during January 1935, by geographic divisions. (The table includes data for shops operated by the railroads and by commercial firms.)

Table 16.—Employment and Pay Rolls in Railway Car and Locomotive Shops on Work Financed from Public Works Funds, January 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 ¹	Semi-monthly average				
Railroad shops						
All divisions.....	8,893	7,964	\$347,981	538,489	\$0.646	\$1,402,980
New England.....	479	479	43,199	62,766	.688	11,340
Middle Atlantic.....	2,606	2,376	123,380	183,622	.672	982,401
East North Central.....	744	628	40,112	70,600	.568	69,640
West North Central.....	1,025	750	20,667	30,218	.684	18,320
South Atlantic.....	910	608	62,987	98,556	.639	256,972
East South Central.....						2,684
West South Central.....	462	462	7,125	13,938	.511	21,897
Mountain.....	478	472	8,702	13,329	.653	10,009
Pacific.....	2,189	2,189	41,809	65,460	.639	28,717
Commercial shops						
All divisions.....	5,659	(?)	\$561,533	878,684	\$0.639	(?)
New England.....	648	(?)	61,819	100,832	.613	(?)
Middle Atlantic.....	3,733	(?)	382,009	577,078	.662	(?)
East North Central.....	562	(?)	58,231	83,287	.699	(?)
West North Central.....	696	(?)	57,736	114,653	.604	(?)
South Atlantic.....	20	(?)	1,738	2,834	.613	(?)

¹ Maximum number employed during either semimonthly period by each shop.

² Data not available.

There were but a few new loans made by the Public Works Administration for building cars and locomotives. For that reason the employment on this type of work is rapidly declining, as the older jobs are being completed.

Summary by Months

TABLE 17 shows employment, pay rolls, and man-hours worked by employees since the inception of the public works program in August 1933 to January 1935, inclusive.

Table 17.—Employment and Pay Rolls, August 1933 to January 1935, on
Projects Financed from Public Works Funds

[Subject to revision]

Month	Number of wage earners ¹	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
August 1933 to January 1935.....	-----	\$360,398,195	624,040,081	\$0.578	\$701,315,937
1933					
August.....	4,699	280,040	539,454	.519	202,100
September.....	33,836	1,961,496	3,920,009	.500	1,622,365
October.....	121,403	7,325,313	14,636,603	.500	² 22,513,767
November.....	254,784	14,458,364	27,862,280	.519	24,299,055
December.....	270,408	15,424,700	29,866,249	.516	24,850,188
1934					
January.....	273,583	14,574,960	27,658,591	.527	23,793,459
February.....	295,741	15,246,423	28,938,177	.527	24,565,004
March.....	292,696	15,636,545	29,171,634	.536	69,334,408
April.....	371,234	17,907,842	31,559,966	.567	³ 67,150,664
May.....	491,166	25,076,908	44,912,412	.558	³ 49,720,378
June.....	592,057	32,783,533	58,335,119	.562	³ 57,589,895
July.....	624,286	33,829,858	59,436,314	.569	³ 51,644,174
August.....	602,581	35,142,770	59,943,328	.586	³ 53,282,956
September.....	549,910	31,720,317	51,699,495	.614	³ 50,685,634
October.....	507,799	29,280,240	46,617,616	.622	³ 50,234,495
November.....	469,874	28,831,432	46,494,195	.620	54,228,457
December.....	382,594	22,491,692	35,021,864	.642	³ 46,792,081
January 1935.....	304,338	18,425,762	27,428,775	.672	³ 28,806,857

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

² Includes orders placed for naval vessels prior to October 1933.

³ Includes orders placed by railroads for new equipment.

During the 18-month period workers at the site of Public Works Administration construction projects have earned more than \$360,000,000, or the rate of 57.8 cents per hour.

Purchase orders have been placed for materials valued at over \$701,000,000.

Value of Material Orders Placed

TABLE 18 shows the value of materials for which orders have been placed from the beginning of the public works program in August 1933 to January 15, 1935, inclusive, by type of material.

Table 18.—Value of Material Orders Placed on Public Works Projects, by Type of Material

[Subject to revision]

Type of material	Value of material orders placed—	
	From beginning of program to Dec. 15, 1934	During month ending Jan. 15, 1935
All material.....	\$672, 509, 080	\$23, 806, 857
Aircraft (new).....	4, 332, 740	42, 377
Airplane parts.....	4, 513, 212	48, 874
Aluminum manufactures.....	149, 718	24, 091
Ammunition and related products.....	741, 664	17, 838
Asbestos products, not elsewhere classified.....	57, 783	698
Awings, tents, canvas, etc.....	165, 955	4, 583
Belting, miscellaneous.....	28, 272	325
Boats, steel and wooden (small).....	1, 147, 948	130, 608
Bolts, nuts, washers, etc.....	2, 069, 583	76, 810
Brick, hollow tile, and other clay products.....	7, 484, 595	655, 400
Carpets and rugs.....	42, 899	1, 119
Carriages and wagons.....	28, 893	-----
Cast-iron pipe and fittings.....	11, 519, 576	889, 441
Cement.....	93, 815, 568	2, 337, 134
Chemicals.....	204, 370	11, 173
Coal.....	1, 026, 829	65, 805
Compressed and liquefied gases.....	201, 756	21, 879
Concrete products.....	11, 796, 989	796, 530
Copper products.....	456, 891	18, 464
Cordage and twine.....	208, 334	4, 369
Cork products, not elsewhere classified.....	63, 518	2, 183
Cotton goods.....	71, 017	1, 476
Creosote.....	469, 953	37
Crushed stone.....	25, 511, 837	610, 724
Doors, shutters, and window sash and frames, molding and trim (metal).....	2, 791, 165	208, 648
Electric wiring and fixtures.....	1, 926, 237	544, 523
Electrical machinery, apparatus, and supplies.....	32, 291, 305	1, 237, 724
Elevators and parts.....	222, 000	61, 471
Engines, turbines, tractors, and water wheels.....	5, 740, 248	456, 275
Explosives.....	2, 703, 103	101, 430
Felt goods.....	165, 168	1, 068
Firearms.....	752, 652	20, 086
Forgings, iron and steel.....	3, 271, 508	158, 776
Foundry and machine-shop products, not elsewhere classified.....	70, 562, 455	3, 782, 424
Furniture, including store and office fixtures.....	948, 328	617, 807
Glass.....	451, 006	75, 321
Hardware, miscellaneous.....	2, 890, 102	245, 732
Heating and ventilating equipment.....	4, 404, 194	522, 447
Instruments, professional and scientific.....	1, 464, 276	33, 129
Jute goods.....	46, 567	4, 914
Lead products.....	137, 547	-----
Lime.....	164, 863	1, 390
Linoleum.....	28, 524	8, 015
Locomotives, other than steam.....	10, 661, 833	1, 151, 500
Locomotives, steam.....	6, 837, 064	-----
Lumber and timber products, not elsewhere classified.....	31, 937, 819	1, 435, 074
Machine tools.....	3, 887, 092	284, 903
Marble, granite, slate, and other stone products.....	10, 488, 119	687, 239
Mattresses and bed springs.....	15, 771	-----
Meters (gas, water, etc.) and gas generators.....	217, 820	21, 759
Minerals and earths, ground or otherwise treated.....	98, 073	491
Models and patterns.....	10, 258	1, 063
Motorcycles and parts.....	274, 395	-----
Motor vehicles, passenger.....	433, 869	4, 830
Motor vehicles, trucks.....	8, 437, 969	6, 629
Nails and spikes.....	643, 601	28, 980
Nonferrous-metal alloys and products, not elsewhere classified.....	927, 497	105, 212
Paints and varnishes.....	1, 413, 530	91, 153
Paper products.....	40, 516	99
Paving materials and mixtures, not elsewhere classified.....	10, 976, 572	259, 237
Petroleum products.....	19, 715, 121	804, 774
Photographic apparatus and materials.....	153, 335	2, 977
Planing mill products.....	3, 459, 589	263, 237
Plumbing supplies, not elsewhere classified.....	5, 998, 972	434, 496
Pumps and pumping equipment.....	7, 470, 186	447, 192
Radio apparatus and supplies.....	587, 234	15, 764
Rail fastenings, excluding spikes.....	4, 935, 770	4, 869
Rails, steel.....	17, 951, 750	22, 406
Railway cars, freight.....	35, 392, 551	-----
Railway cars, mail and express.....	429, 443	-----

Table 18.—Value of Material Orders Placed on Public Works Projects, by Type of Material—Continued

Type of material	Value of material orders placed—	
	From beginning of program to Dec. 15, 1934	During month ending Jan. 15, 1935
Railway cars, passenger.....	\$7, 152, 435	\$375, 000
Refrigerators and refrigerating and ice-making apparatus.....	573, 855	2, 635
Roofing materials, not elsewhere classified.....	1, 856, 706	153, 848
Rubber goods.....	271, 343	11, 600
Sacks and bags.....	19, 727	759
Sand and gravel.....	43, 511, 460	1, 240, 454
Sheet-metal work.....	2, 047, 132	34, 667
Springs, steel.....	574, 612	353
Steam and other packing, pipe and boiler covering, and gaskets.....	556, 011	24, 559
Steel-works and rolling-mill products, other than steel rails, including structural and ornamental metal work.....	93, 211, 542	5, 061, 789
Stoves and ranges, other than electric.....	198, 049	489
Switches, railway.....	774, 631	-----
Theatrical scenery and stage equipment.....	31, 553	4, 766
Tiling, floor and wall, and terrazzo.....	1, 238, 709	87, 103
Tools, other than machine tools.....	3, 587, 143	77, 770
Upholstering materials, not elsewhere classified.....	99, 863	4, 663
Wall plaster, wall board, insulating board, and floor composition.....	1, 436, 877	144, 838
Waste.....	23, 641	318
Window and door screens and weatherstrip.....	74, 510	576
Window shades and fixtures.....	52, 050	19, 578
Wire products, not elsewhere classified.....	3, 629, 397	194, 058
Wrought pipe.....	458, 630	99, 786
Zinc products.....	21, 121	37
Other.....	30, 641, 186	1, 335, 212

During January 1935 purchase orders were placed for materials valued at over \$28,000,000. It is estimated that the fabrication of these materials will create 95,000 man-months of labor. This accounts only for labor in the fabrication of material in the form in which it is to be used. For example, only labor in manufacturing brick is counted—not the labor in taking the clay from the pits or in hauling the clay and other materials used in the brick plant. In fabricating steel rails only the labor in the rolling mill 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 order to obtain 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 direct by contractors on the job, the Bureau estimates the man-months of labor created. This estimation is made by using the experience of the manufacturing plants as shown by the Census of Manufactures, 1933.

Over the 18-month period orders have been placed for material valued at over \$700,000,000. It is estimated that in fabricating this

material approximately 2,300,000 man-months of labor has been, or will be, created.

Emergency Work Relief Program

There was an increase of nearly 80,000 in the number of workers on the rolls of the emergency work program of the Federal Relief Administration, comparing the last week in January with the last week in December. Pay rolls for the same period increased nearly 7 percent.

Table 19 shows the number of employees and amounts of pay rolls for workers on the emergency-work program for weeks ending December 27, 1934, and January 31, 1935.

Table 19.—Employment and Pay Rolls for Workers on Emergency Work Relief Program

[Subject to revision]

Geographic division	Number of employees week ending—		Amount of pay roll week ending—	
	Jan. 31, 1935	Dec. 27, 1934	Jan. 31, 1935	Dec. 27, 1934
All divisions.....	1,649,605	1,571,588	\$15,117,850	\$14,137,896
Percentage change.....	+4.96		+6.93	
New England.....	127,385	132,450	1,362,847	1,556,423
Middle Atlantic.....	268,194	270,455	4,226,849	3,831,601
East North Central.....	236,841	229,205	2,264,226	2,142,258
West North Central.....	290,102	292,643	2,005,978	2,150,347
South Atlantic.....	203,554	177,570	1,075,079	1,004,104
East South Central.....	90,759	93,329	464,620	427,559
West South Central.....	218,932	165,551	1,371,686	925,643
Mountain.....	48,784	59,308	510,300	602,303
Pacific.....	165,054	151,077	1,836,265	1,497,658

While there was an increase of nearly 5 percent in the total number of people given employment by the emergency-work program, the increases were confined to four of the geographic divisions.

Table 20 shows the number of employees and amounts of pay rolls on the emergency work relief program by months, from the inception of the work in March 1934 to January 1935, inclusive.

Table 20.—Employment and Pay Rolls for Workers on Emergency Work Relief Program, from March 1934 to January 1935

Month	Number of employees	Amount of pay roll	Month	Number of employees	Amount of pay roll
1934			1934		
March.....	22,934	\$842,000	October.....	1,998,167	\$52,861,038
April.....	1,176,818	38,953,678	November.....	2,147,091	62,845,540
May.....	1,343,214	42,214,039	December.....	2,299,333	61,922,514
June.....	1,477,753	42,221,757			
July.....	1,723,295	47,244,553	1935		
August.....	1,922,029	54,870,823	January.....	2,400,000	65,000,000
September.....	1,950,728	50,178,571			

¹ Revised.

² Preliminary.

During the month of January, 2,400,000 people were given employment on this work program. This does not mean, however, that at any given time the total number of workers reached the figure quoted. Because of the fact that a limit is placed on the earnings of employees, not more than 70 percent of this number are working during any given week.

Emergency Conservation Work

THERE were nearly 400,000 men working in Civilian Conservation camps during the month ending January 31, 1935. This was an increase of nearly 50,000 as compared with the previous month. The Emergency Conservation Work employees were paid more than \$16,700,000 for their work during January. In addition to their pay, the enrolled personnel received free board, clothing, and medical attention.

Table 21 shows employment and pay rolls for emergency conservation work for the months December 1934 and January 1935, by type of work.

**Table 21.—Employment and Pay Rolls in the Emergency Conservation Work
January 1935 and December 1934**

Group	Number of employees		Amount of pay rolls	
	January 1935	December 1934	January 1935	December 1934
All Groups.....	398, 689	350, 028	\$16, 760, 829	\$15, 414, 634
Enrolled personnel.....	358, 812	311, 793	11, 205, 705	9, 737, 298
Reserve officers.....	6, 312	6, 194	1, 574, 437	1, 552, 889
Educational advisers.....	1, 286	1, 271	205, 607	203, 172
Supervisory and technical ¹	² 32, 279	³ 30, 770	² 3, 775, 080	³ 3, 921, 275

¹ Includes carpenters, electricians, and laborers.

² 30,498 employees and pay roll of \$3,599,808 included in the executive service table.

³ 28,496 employees and pay roll of \$3,685,425 included in the executive service table.

There were more employees in Civilian Conservation camps during January than during any month since the beginning of the program in May 1933. 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.

Table 22 shows employment and pay rolls in emergency conservation work by months January 1934 to January 1935, inclusive.

Table 22.—Monthly Totals of Employees and Pay Rolls in the Emergency Conservation Work, January 1934 to January 1935

Month	Number of employees	Amount of pay roll	Month	Number of employees	Amount of pay roll
1934			1934		
January.....	331,594	\$13,581,506	September.....	335,785	\$15,022,969
February.....	321,829	13,081,393	October.....	381,894	16,939,595
March.....	247,591	10,792,319	November.....	387,329	16,622,110
April.....	314,664	13,214,018	December.....	350,028	15,414,634
May.....	335,871	14,047,512	1935		
June.....	280,271	12,641,401	January.....	398,689	16,760,829
July.....	389,104	16,032,734			
August.....	385,340	16,363,826			

Employment on State-Road Projects

DURING the month of January there were nearly 145,000 men working on building and maintaining State roads. Sixteen and four-tenths percent of these men were building new roads and 83.6 percent were employed in repairing and maintaining existing roads.

Table 23 shows the number of employees engaged in building and maintaining State roads during the months of December 1934 and January 1935.

Table 23.—Employment and Maintenance of State Roads by Geographic Divisions¹

Geographic division	New				Maintenance			
	Number of employees		Amount of pay roll		Number of employees		Amount of pay roll	
	January 1935	December 1934	January 1935	December 1934	January 1935	December 1934	January 1935	December 1934
All divisions.....	23,537	41,919	\$760,774	\$1,726,621	120,283	134,680	\$4,104,125	\$5,029,466
Percentage change.....	-43.85		-55.94		-10.69		-18.40	
New England.....	1,616	9,112	51,432	446,638	7,504	6,673	307,360	418,055
Middle Atlantic.....	1,415	3,050	83,362	207,804	26,915	30,909	771,613	1,086,291
East North Central.....	2,739	6,244	125,282	310,780	17,490	20,182	718,995	827,659
West North Central.....	2,145	4,662	57,920	110,881	13,454	18,971	418,066	512,707
South Atlantic.....	7,635	7,993	113,075	152,056	22,363	25,080	581,050	701,592
East South Central.....	1,601	1,773	50,155	74,747	10,768	10,226	201,412	238,854
West South Central.....	1,585	3,131	58,741	116,025	9,147	9,501	400,617	427,923
Mountain.....	1,581	2,467	88,867	141,376	6,191	6,740	310,210	365,418
Pacific.....	3,220	3,487	131,940	166,314	6,381	6,327	390,129	445,689
Outside continental United States.....	0	0	0	0	70	71	4,133	5,278

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

There was a decrease of over 30,000 in the number of State road workers comparing January with December.

Table 24 shows the number of employees engaged in the construction and maintenance of State roads for the month, January 1934 to January 1935, inclusive.

Table 24.—Employment on Construction and Maintenance of State Roads ¹

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	7,989,785
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	168,428	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	134,080	176,999	6,756,087
1935				
January.....	23,537	120,283	143,820	4,864,899

¹ Excluding employment furnished by projects financed from Public Works fund.

Employment on Construction Projects Financed by the Reconstruction Finance Corporation, January 1935

DURING the month ending January 15, slightly more than 11,000 people were employed on construction projects financed by loans made by the Self-Liquidating Division of the Reconstruction Finance Corporation.

Table 25 shows employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation during January 1935, by type of project.

Table 25.—Employment and Pay Rolls for Projects Financed by the Reconstruction Finance Corporation, by Type of Project
[Subject to revision]

Type of project	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
All projects.....	11,180	\$1,054,708	1,484,190	\$0.711	\$3,966,718
Bridges.....	3,809	313,308	375,455	.834	3,121,925
Building construction.....	512	31,015	37,117	.836	8,819
Railroad construction.....	169	4,169	8,820	.473	11,293
Reclamation.....	1,481	76,210	191,243	.398	57,144
Water and sewage.....	4,388	538,726	734,797	.733	480,307
Miscellaneous.....	821	91,270	136,758	.667	287,230

Earnings per hour averaged slightly more than 71 cents. There was considerable variation in the earnings per hour on the different types of projects. For example, on building construction the average hourly earnings were nearly 84 cents, while on reclamation projects earnings averaged less than 40 cents per hour.

Table 26 shows employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation during January 1935, by geographic divisions.

Table 26.—Employment and Pay Rolls for Projects Financed by the Reconstruction Finance Corporation, by Geographic Divisions

[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.....	11, 180	\$1, 054, 708	1, 484, 190	\$0. 711	\$3, 966, 718
Middle Atlantic.....	779	64, 693	67, 976	. 952	17, 212
East North Central.....	319	41, 846	37, 374	1. 120	71, 288
East South Centrl.....	169	4, 169	8, 820	. 473	11, 293
West South Central.....	832	50, 844	73, 686	. 690	29, 120
Mountain.....	1, 482	76, 234	191, 283	. 399	57, 144
Pacific.....	7, 599	816, 922	1, 105, 051	. 739	3, 780, 661

Comparing January with December, there were decreases in all geographic divisions except the East North Central and the West North Central. The largest decreases occurred in the Middle Atlantic States and in the Pacific States. The decrease in the Middle Atlantic States was brought about by the nearing completion of the Knickerbocker Village project in New York City and the sanitarium at Saratoga Springs, N. Y. The decrease in the Pacific States was caused by the falling off of employment on the bridge in San Francisco Harbor.

Table 27 shows data concerning employment, pay rolls, and man-hours worked during the months April 1934 to January 1935, inclusive, on construction projects financed by the Reconstruction Finance Corporation.

Table 27.—Employment and Pay Rolls for Projects Financed by the Reconstruction Finance Corporation

[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

No new construction loans are being made by the Reconstruction Finance Corporation. Employment on these projects will, therefore, decrease quite rapidly since many separate projects are nearing completion.

Table 28 shows the value of materials for which orders have been placed since March 15, 1934, by contractors working on Reconstruction Finance Corporation construction projects, by type of material.

Table 28.—Value of Material Orders Placed for Projects Financed by the Reconstruction Finance Corporation, by Type of Material

Type of material	Value of materials—	
	From March to Dec. 15, 1934	During month ending Jan. 15, 1935
All material.....	\$21, 669, 532	\$3, 966, 718
Asphalt and paving materials.....		31, 453
Bolts, nuts, rivets, etc.....	6, 858	
Cast-iron pipe and fittings.....	363, 118	8, 775
Cement.....	1, 346, 371	51, 016
Clay products.....	316, 979	2, 798
Coal.....	51, 242	
Compressed and liquefied gases.....	30, 085	5, 836
Concrete products.....	1, 322, 813	51, 244
Copper products.....	1, 176, 743	191, 809
Cordage and twine.....	4, 671	
Cotton goods.....	36, 497	4, 555
Crushed stone.....	37, 477	
Electrical machinery and supplies.....	807, 350	45, 655
Explosives.....	791, 760	68, 189
Felt goods, etc.....	4, 447	
Foundry and machine-shop products not elsewhere classified.....	1, 918, 204	211, 503
Fuel oil.....	49, 241	
Gasoline.....	294, 617	26, 234
Glass.....	3, 157	
Hardware, miscellaneous.....	378, 483	21, 322
Insulation materials.....	67, 437	
Lime.....	8, 850	
Lubricating oils and greases.....	29, 040	2, 394
Lumber and timber products.....	1, 103, 702	77, 432
Marble, granite, slate, and other stone products.....	101, 102	1, 300
Motor vehicles and supplies.....	118, 116	9, 662
Paints and varnishes.....	30, 060	
Plumbing supplies.....	230, 317	1, 169
Pumps and pumping equipment.....	12, 844	
Rails.....	19, 546	5, 310
Roofing.....	4, 516	
Rubber goods.....	30, 111	2, 047
Sand and gravel.....	398, 000	18, 933
Sheet-metal works.....	28, 245	
Steam and hot-water heating apparatus.....	61, 686	2, 337
Steel-works and rolling-mill products.....	9, 070, 962	3, 072, 565
Tools.....	73, 945	4, 307
Wire and wirework, not elsewhere classified.....	262, 387	5, 335
Other.....	1, 077, 953	43, 538

Employment on Construction Projects Financed from Regular Governmental Appropriations

DURING the month ending January 15 there were over 12,700 employees working on construction projects financed from governmental appropriations made by the Congress direct to the various executive departments.

The number of workers include only employees working on contracts awarded since July 1, 1934. Comparing January with December,

there was a decrease of nearly 3,500 employees working on these construction projects. The decrease was brought about by the curtailment of work on road building and river, harbor, and flood-control work. Pay rolls for January amounted to nearly \$670,000. Earnings per hour averaged 63 cents.

Whenever a contract is awarded by a Government department, the Bureau of Labor Statistics is immediately notified, on forms supplied by the Bureau, the name and address of the contractor, the amount of the contract, and the type of work to be performed. Schedules are then mailed to the contractor, who returns his report to the Bureau showing the number of men on his pay rolls, the amount of the pay rolls, the number of man-hours worked, and the value of orders placed for each of the different types of materials he has purchased.

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

Table 29 shows employment, pay rolls, and man-hours worked on construction projects started since July 1, 1934, for January 1935, which are financed from direct appropriations to the various Federal agencies.

Table 29.—Employment on Construction Projects Financed from Regular Governmental Appropriations, by Type of Project

[Subject to revision]

Type of project	Number of wage earners	Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
All projects.....	12,784	\$669,199	1,062,118	\$0.630	\$3,163,946
Building construction.....	2,931	171,568	214,428	.800	324,717
Public roads.....	1,796	78,499	123,434	.636	80,002
River, harbor, and flood control.....	4,104	201,113	374,535	.537	164,516
Streets and roads.....	1,929	66,959	153,859	.435	17,982
Naval vessels.....	1,234	117,582	137,982	.862	2,513,076
Water and sewerage.....	234	10,139	17,232	.588	39,154
Miscellaneous.....	556	23,339	40,648	.574	19,499

Of the workers employed on these projects, more than 30 percent were working on river, harbor, and flood-control work and nearly 25 percent on building construction. Hourly earnings varied from less than 44 cents for street and road building to more than 85 cents for work on naval vessels.

Table 30 shows, for the month of January 1935, employment, pay rolls, and man-hours worked on construction projects started since July 1, 1934, which are financed from regular governmental appropriations, by geographic divisions.

Table 30.—Employment on Construction Projects Financed from Regular Governmental Appropriations, by Geographic Division

[Subject to revision]

Geographic divisions	Wage earners		Amount of pay rolls	Number of man-hours worked	Average earnings per hour	Value of material orders placed
	Number employed	Weekly average				
All divisions.....	12, 784	11, 451	\$669, 199	1, 062, 118	\$0. 630	\$3, 163, 946
New England.....	934	817	70, 943	95, 110	. 746	189, 884
Middle Atlantic.....	631	522	54, 600	62, 707	. 871	1, 694, 309
East North Central.....	1, 119	1, 023	42, 957	60, 945	. 705	115, 467
West North Central.....	1, 289	1, 143	64, 363	115, 863	. 556	25, 116
South Atlantic.....	2, 679	2, 309	142, 551	205, 591	. 693	849, 825
East South Central.....	1, 624	1, 524	70, 535	129, 838	. 543	67, 311
West South Central.....	2, 146	1, 902	102, 805	200, 899	. 512	71, 006
Mountain.....	1, 250	1, 233	61, 903	103, 028	. 601	15, 376
Pacific.....	1, 023	915	54, 356	81, 226	. 669	37, 665
Outside continental United States.....	89	63	4, 186	6, 911	. 606	17, 985

¹ Includes \$80,002, estimated value of orders placed for public-roads projects which cannot be charged to any specific geographic division.

There was a considerable difference in the average hourly earnings as shown by geographic divisions. The West South Central showed the lowest earnings per hour (51 cents), and the Middle Atlantic, the highest (87 cents).

Table 31 shows, for the months August 1934 to January 1935, inclusive, employment, pay rolls, and man-hours worked on construction projects starting since July 1, 1934, which are financed from direct governmental appropriations.

Table 31.—Employment and Pay Rolls for Construction Projects Financed from Regular Governmental Appropriations

[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, 966, 441
1935					
January.....	12, 784	669, 199	1, 062, 118	. 630	3, 163, 946

The usual seasonal declines in construction employment occurred in January and December. Average earnings per hour, however, were higher than for any month since September.

Table 32 shows the value of material orders placed during the period, July 1, 1934, to January 15, 1935, on construction projects financed from direct governmental appropriations, by type of material.

Table 32.—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 1 to Dec. 15, 1934	During period Dec. 15, 1934, to Jan. 15, 1935
All material.....	\$7, 126, 216	\$3, 163, 946
Asbestos.....	1, 250	.....
Bolts, nuts, rivets, etc.....	18, 479	2, 756
Brick and hollow tile.....	48, 165	17, 517
Cast-iron pipe and fittings.....	18, 934	7, 163
Cement and lime.....	303, 504	47, 075
Coal.....	23, 080	9, 861
Concrete products.....	44, 430	10, 344
Copper products.....	47, 441	.....
Cordage and twine.....	4, 876	2, 237
Crushed stone.....	95, 838	11, 352
Electric wiring and fixtures.....	25, 219	118, 653
Electrical machinery and supplies.....	131, 068	225, 931
Elevators and parts.....	12, 458	18, 304
Engines, turbines, tractors, etc.....	636, 442	1, 077, 103
Explosives.....	11, 910	1, 866
Forgings, iron and steel.....	84, 501	64, 063
Foundry and machine-shop products, not elsewhere classified.....	321, 877	411, 098
Glass.....	7, 946	2, 108
Hardware, miscellaneous.....	58, 642	7, 335
Heating and ventilating equipment.....	51, 394	21, 571
Linoleum.....	3, 639	.....
Lumber and timber products.....	673, 318	43, 986
Machine tools.....	3, 998	6, 457
Marble, granite, slate, and other stone products.....	168, 098	70, 095
Metal doors, shutters, window sash and frames, molding and trim.....	11, 259	10, 630
Motor vehicles and parts.....	3, 258	2, 254
Nails and spikes.....	13, 893	.....
Paints and varnishes.....	62, 782	18, 255
Paving mixtures.....	49, 291	4, 990
Petroleum products.....	204, 057	58, 700
Planing-mill products.....	30, 484	3, 993
Plumbing supplies.....	95, 975	18, 025
Pumps and pumping equipment.....	136, 319	125, 338
Refrigerating equipment.....	22, 474	2, 450
Roofing materials.....	54, 421	6, 459
Sand and gravel.....	155, 632	31, 468
Sheet-metal work.....	77, 861	5, 040
Steel-works and rolling-mill products, not elsewhere classified.....	639, 354	322, 077
Structural and reinforcing steel.....	2, 409, 502	151, 399
Tiling, floor and wall, and terrazzo.....	3, 857	1, 284
Tools, other than machine tools.....	11, 334	2, 536
Wall plaster, wall board, and insulating board.....	55, 180	1, 238
Waterproofing materials.....	4, 997	1, 681
Wire products, not elsewhere classified.....	53, 010	7, 511
Other.....	233, 269	211, 743

The value of materials for which purchase orders have been placed since July 1, 1934, on this construction program amounted to over \$10,000,000. More than 20 percent of this amount has been for structural and reinforcing steel. The value of orders placed for lumber and timber products amounted to nearly \$700,000.

Wage-Rate Changes in American Industries

Manufacturing Industries

TABLE 33 presents information concerning wage-rate adjustments occurring between December 15, 1934, and January 15, 1935, as shown by reports received from 22,954 manufacturing establishments employing 3,411,100 workers in January.

Six hundred and forty-two establishments in 41 industries reported wage-rate increases averaging 2.9 percent and affecting 83,324 employees. Seven establishments in 6 industries reported decreases which averaged 7.1 percent and affected 1,117 workers.

The outstanding wage-rate change was an average increase of 2.5 percent in railroad repair shops affecting 73,272 workers. This is the second 2½-percent increase given since the 10-percent wage cut of February 1932.

Table 33.—Wage-Rate Changes in Manufacturing Industries During Month Ending Jan. 15, 1935

Industry	Estab-lish-ments report-ing	Total number of em-ployees	Number of estab-lish-ments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases	No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases
All manufacturing industries.....	22,954	3,411,100	22,305	642	7	3,326,659	83,324	1,117
Percentage of total.....	100.0	100.0	97.2	28	(¹)	97.5	2.4	(¹)
Iron and steel and their products, not including machinery:								
Blast furnaces, steel works, and rolling mills.....	230	236,439	230			236,439		
Bolts, nuts, washers, and rivets.....	45	8,766	43	2		8,738	28	
Cast-iron pipe.....	45	8,057	45			8,057		
Cutlery (not including silver and plated cutlery) and edge tools.....	157	12,835	157			12,835		
Forgings, iron and steel.....	83	10,135	82	1		10,125	10	
Hardware.....	98	21,115	96	2		21,073	42	
Plumbers' supplies.....	76	9,305	75	1		9,255	50	
Steam and hot-water heating apparatus and steam fittings.....	90	19,632	90			19,632		
Stoves.....	203	21,344	200	2	1	21,229	60	55
Structural and ornamental metal work.....	263	14,955	262	1		14,929	26	
Tin cans and other tinware.....	55	8,403	55			8,403		
Tools (not including edge tools, machine tools, files, and saws).....	123	7,949	122	1		7,939	10	
Wirework.....	101	8,440	101			8,440		
Machinery, not including transportation equipment:								
Agricultural implements.....	73	21,645	73			21,645		
Cash registers, adding machines, and calculating machines.....	26	15,085	26			15,085		
Electrical machinery, apparatus, and supplies.....	361	119,167	355	6		118,874	293	
Engines, turbines, tractors, and water wheels.....	99	36,563	98	1		33,865	2,698	
Foundry and machine-shop products.....	1,503	138,990	1,490	11	2	137,510	566	914
Machine tools.....	202	21,794	201	1		21,677	117	
Radios and phonographs.....	52	34,658	52			34,658		
Textile machinery and parts.....	129	15,002	127	2		14,988	14	
Typewriters and parts.....	12	10,909	12			10,909		
Transportation equipment:								
Aircraft.....	25	4,050	25			4,050		
Automobiles.....	288	286,185	288			286,185		
Cars, electric- and steam-railroad.....	66	13,182	65		1	13,158		24
Locomotives.....	10	3,770	10			3,770		
Shipbuilding.....	93	22,784	93			22,784		
Railroad repair shops:								
Electric railroad.....	372	18,622	364	8		17,194	1,428	
Steam railroad.....	515	73,272		515			73,272	

¹ Less than ½ of 1 percent.

Table 33.—Wage-Rate Changes in Manufacturing Industries During Month Ending Jan. 15, 1935—Continued

Industry	Establishments reporting	Total number of employees	Number of establishments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate increases	Wage-rate decreases	No wage-rate changes	Wage-rate increases	Wage-rate decreases
Nonferrous metals and their products:								
Aluminum manufactures.....	29	6,224	29			6,224		
Brass, bronze, and copper products.....	272	37,429	267	4	1	37,235	175	19
Clocks and watches and time-recording devices.....	28	11,375	27	1		11,363	12	
Jewelry.....	166	8,826	166			8,826		
Lighting equipment.....	71	4,089	71			4,089		
Silverware and plated ware.....	53	5,696	51	2		5,664	32	
Smelting and refining—copper, lead, and zinc.....	37	15,004	37			15,004		
Stamped and enameled ware.....	209	23,640	204	5		23,484	156	
Lumber and allied products:								
Furniture.....	510	50,019	508	2		49,817	202	
Lumber:								
Millwork.....	516	21,516	516			21,516		
Sawmills.....	597	65,284	597			65,284		
Turpentine and rosin.....	28	2,494	27	1		2,481	13	
Stone, clay, and glass products:								
Brick, tile, and terra cotta.....	477	15,230	477			15,230		
Cement.....	140	13,604	138	1	1	13,465	42	97
Glass.....	171	49,123	166	5		47,975	1,148	
Marble, granite, slate, and other products.....	244	3,499	244			3,499		
Pottery.....	118	17,427	116	2		17,382	45	
Textiles and their products:								
Fabrics:								
Carpets and rugs.....	30	16,255	30			16,255		
Cotton goods.....	623	246,704	623			246,704		
Cotton small wares.....	107	8,594	107			8,594		
Dyeing and finishing textiles.....	157	39,408	155	2		39,108	300	
Hats, fur-felt.....	60	7,562	60			7,562		
Knit goods.....	479	118,487	479			118,487		
Silk and rayon goods.....	285	54,322	285			54,322		
Woolen and worsted goods.....	477	135,635	475	2		135,474	161	
Wearing apparel:								
Clothing, men's.....	1,674	116,301	1,673	1		116,290	11	
Clothing, women's.....	565	32,204	563	2		32,167	37	
Corsets and allied garments.....	32	5,514	32			5,514		
Men's furnishings.....	80	7,678	80			7,678		
Millinery.....	141	8,008	141			8,008		
Shirts and collars.....	166	22,854	166			22,854		
Leather and its manufactures:								
Boots and shoes.....	333	116,573	333			116,573		
Leather.....	165	33,376	165			33,376		
Food and kindred products:								
Baking.....	927	57,133	926	1		57,123	10	
Beverages.....	490	23,235	488	2		23,209	26	
Butter.....	284	3,607	284			3,607		
Canning and preserving.....	647	33,627	644	3		33,468	159	
Confectionery.....	294	36,924	292	1	1	36,908	8	8
Flour.....	392	15,671	392			15,671		
Ice cream.....	326	8,057	326			8,057		
Slaughtering and meat packing.....	310	103,463	309	1		103,146	317	
Sugar, best.....	62	3,602	62			3,602		
Sugar refining, cane.....	13	8,073	12	1		7,059	1,014	
Tobacco manufactures:								
Chewing and smoking tobacco and snuff.....	36	9,955	36			9,955		
Cigars and cigarettes.....	229	44,310	229			44,310		

Table 33.—Wage-Rate Changes in Manufacturing Industries During Month Ending Jan. 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
Paper and printing:								
Boxes, paper.....	662	35,071	658	4		34,997	74	
Paper and pulp.....	437	103,814	437			103,814		
Printing and publishing:								
Book and job.....	1,237	56,655	1,210	27		56,292	363	
Newspapers and periodicals.....	480	42,338	476	4		42,033	305	
Chemicals and allied products, and petroleum refining:								
Other than petroleum refin-ing:								
Chemicals.....	112	24,525	110	2		24,512	13	
Cottonseed—oil, cake, and meal.....	81	3,986	81			3,986		
Druggists' preparations.....	65	8,527	64	1		8,509	18	
Explosives.....	29	4,125	29			4,125		
Fertilizers.....	302	13,481	302			13,481		
Paints and varnishes.....	595	19,171	587	8		19,114	57	
Rayon and allied prod-ucts.....	27	46,025	27			46,025		
Soap.....	102	12,472	101	1		12,468	4	
Petroleum refining.....	160	57,181	160			57,181		
Rubber products:								
Rubber boots and shoes.....	7	11,798	7			11,798		
Rubber goods, other than boots, shoes, tires, and inner tubes.....	172	25,513	170	2		25,505	8	
Rubber tires and inner tubes.....	41	55,754	41			55,754		

Nonmanufacturing Industries

WAGE-RATE changes occurring between December 15, 1934, and January 15, 1935, which were reported by cooperating establishments in 17 nonmanufacturing industries, are presented in table 34.

Increases affecting 15,181 employees were reported by 292 establishments in 10 industries. Nine thousand nine hundred and eighty of these employees were in the electric-railroad and motor-bus operation and maintenance industry and received an average wage-rate increase of 2.4 percent. An average increase of 8.6 percent affecting 2,117 employees was reported by 27 power and light establishments, 1 of 6.5 percent affecting 1,490 employees was reported by 20 banks, an average increase of 9.1 percent affecting 751 workers was reported by 82 wholesale-trade establishments, and 1 of 11.2 percent affecting 592 employees was reported by 121 retail-trade establishments. The remaining increases reported affected 144 employees or less in any one industry.

The wage-rate decreases reported affected only 130 workers in 28 establishments.

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

Industrial group	Estab-lish-ments reporting	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases	No wage-rate changes	Wage-rate in-creases	Wage-rate de-creases
Anthracite mining	160	87,248	160			87,248		
Percentage of total	100.0	100.0	100.0			100.0		
Bituminous-coal mining	1,352	237,328	1,352			237,328		
Percentage of total	100.0	100.0	100.0			100.0		
Metalliferous mining	262	28,718	262			28,718		
Percentage of total	100.0	100.0	100.0			100.0		
Quarrying and nonmetallic min- ing	1,056	23,958	1,048			23,814	144	
Percentage of total	100.0	100.0	99.2	0.8		99.4	0.6	
Crude petroleum producing	244	22,635	244			22,635		
Percentage of total	100.0	100.0	100.0			100.0		
Telephone and telegraph	8,190	261,725	8,184	6		261,703	22	
Percentage of total	100.0	100.0	99.9	0.1		100.0	(¹)	
Electric light and power and manufactured gas	2,700	237,253	2,673	27		235,136	2,117	
Percentage of total	100.0	100.0	99.0	1.0		99.1	0.9	
Electric-railroad and motor-bus operation and maintenance	559	135,882	538	21		125,902	9,980	
Percentage of total	100.0	100.0	98.2	3.8		92.7	7.3	
Wholesale trade	15,827	285,132	15,737	32	8	284,335	751	46
Percentage of total	100.0	100.0	99.4	0.5	0.1	99.7	0.3	(¹)
Retail trade	55,709	858,442	55,570	121	18	857,785	592	65
Percentage of total	100.0	100.0	99.8	0.2	(¹)	99.9	0.1	(¹)
Hotels	2,481	145,132	2,478	2	1	145,123	4	5
Percentage of total	100.0	100.0	99.9	0.1	(¹)	100.0	(¹)	(¹)
Laundries	1,278	68,390	1,276	2		68,344	46	
Percentage of total	100.0	100.0	99.8	0.2		99.9	0.1	
Dyeing and cleaning	641	14,343	640		1	14,329		14
Percentage of total	100.0	100.0	99.8		0.2	99.9		0.1
Banks	2,679	79,045	2,659	20		78,455	1,490	
Percentage of total	100.0	100.0	99.3	0.7		98.1	1.9	
Brokerage	359	10,629	359			10,629		
Percentage of total	100.0	100.0	100.0			100.0		
Insurance	966	64,163	963	3		64,128	35	
Percentage of total	100.0	100.0	99.7	0.3		99.9	0.1	
Real estate	679	14,529	679			14,529		
Percentage of total	100.0	100.0	100.0			100.0		

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