

UNITED STATES DEPARTMENT OF LABOR

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BUREAU OF LABOR STATISTICS

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TREND OF EMPLOYMENT

APRIL 1933



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TREND OF EMPLOYMENT

April 1933

THE Bureau of Labor Statistics of the United States Department of Labor presents in the following tables data compiled from payroll reports supplied by cooperating establishments in 17 of the important industrial groups of the country and covering the pay period ending nearest the 15th of the month.

Information for each of the 89 separate manufacturing industries and for the manufacturing industries combined is shown, following which are presented tabulations showing the changes in employment and pay rolls in the 16 nonmanufacturing groups included in the Bureau's monthly survey, together with information available concerning employment in the executive civil service and on class I railroads.

Employment in Selected Manufacturing Industries in April 1933

Comparison of Employment and Pay-Roll Totals in April 1933 with March 1933 and April 1932

EMPLOYMENT in manufacturing industries increased 1.6 percent in April 1933 as compared with March 1933 and pay-roll totals increased 4.5 percent over the month interval. Comparing April 1933 with April 1932, decreases of 10 percent in employment and 21.9 percent in pay rolls are shown over the 12-month period.

The index of employment in April 1933 was 56.0 as compared with 55.1 in March 1933, 57.5 in February 1933, and 62.2 in April 1932; the pay-roll index in April 1933 was 34.9 as compared with 33.4 in March 1933, 36.4 in February 1933, and 44.7 in April 1932. The 12-month average for 1926 = 100.

The percents of change in employment and pay-roll totals in April 1933 as compared with March 1933 are based on returns made by 17,954 establishments in 89 of the principal manufacturing industries in the United States, having in April 2,516,266 employees whose combined earnings in 1 week were \$41,068,232.

Ordinarily there is a slight decrease in employment and pay rolls between March and April. The partial recovery in April 1933, however, from the curtailed operations of March, due primarily to the bank holiday, combined with increased activity in April in a number of manufacturing industries, resulted in an increase in both employment and pay-roll totals.

(1)

Fifty-nine of the 89 manufacturing industries included in the Bureau's monthly employment survey reported increased employment from March to April and 60 industries reported increased pay rolls. The most pronounced increase in employment (74.1 percent) was a seasonal increase in the fertilizer industry. The beverage industry, due almost entirely to the increase in brewery activities, reported a gain of 54.1 percent in number of workers. Numerous establishments in other branches of industry were also affected by the passage of beer legislation, glass factories, sawmills, furniture factories, machine shops, and other establishments reporting gains resulting from orders for supplies, bar fixtures, and other products. The cast-iron pipe industry reported a gain of 21.6 percent in employment from March to April. The cement industry reported a gain of 18.4 percent in employment and additional industries connected with the building construction industry reported substantial increases in employment from March to April. The steam fittings industry reported a gain in employment of 11.3 percent; brick, 10.2 percent; millwork, 6.5 percent; sawmills, 4 percent; and structural metal work, 1.6 percent. Increases in employment ranging from 11.2 percent to 10.3 percent were reported in the women's clothing, millinery, beet sugar, and radio industries.

The most pronounced decline in employment from March to April was a seasonal decrease of 27.6 percent in the cottonseed oil-cake-meal industry. The marble-slate-granite industry reported a decline of 14.9 percent in employment from March to April, due largely to labor disturbances in certain Vermont localities. The decrease in employment in the leather industry, while partly seasonal, was accentuated by strikes reported in a number of Massachusetts plants.

In table 1, which follows, are shown the number of identical establishments reporting in both March and April 1933 in the 89 manufacturing industries, together with the total number of employees on the pay rolls of these establishments during the pay period ending nearest April 15, the amount of their earnings for one week in April, the percents of change over the month and year intervals, and the indexes of employment and pay roll in April 1933.

The monthly percents of change for each of the 89 separate industries are computed by direct comparison of the total number of employees and of the amount of weekly pay roll reported in identical establishments for the 2 months considered. The percents of change over the month interval in the several groups and in the total of the 89 manufacturing industries are computed from the index numbers of these groups, which are obtained by weighting the index numbers of the several industries in the groups by the number of employees or wages paid in the industries. The percents of change over the year interval in the separate industries, in the groups and in the totals, are computed from the index numbers of employment and pay-roll totals.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN APRIL 1933 WITH MARCH 1933 AND APRIL 1932

Industry	Estab-lishments reporting in both March and April 1933	Employment			Pay-roll totals			Index num-bers April 1933 (average 1926=100)	
		Number on pay roll April 1933	Percent of change		Amount of pay roll (1 week) April 1933	Percent of change		Em-ploy-ment	Pay-roll totals
			March to April 1933	April to April 1933		March to April 1933	April to April 1933		
Food and kindred prod-ucts	3,062	239,280	+4.8	+0.4	\$4,893,279	+10.6	-9.1	80.1	63.9
Baking.....	979	62,545	+1.2	-6.8	1,335,502	+2.1	-15.8	77.3	61.5
Beverages.....	330	16,504	+54.1	+53.9	483,632	+92.1	+72.2	117.3	112.1
Butter.....	305	5,440	+3.2	-5.7	112,693	+9	-19.8	91.8	68.9
Confectionary.....	316	32,432	+4.4	+7.6	403,683	+8.5	-14.2	73.8	48.5
Flour.....	419	15,614	+3.5	-1.7	329,218	+9.8	-8.1	83.3	66.8
Ice cream.....	396	11,183	+2.1	-11.0	278,242	+2.3	-26.7	63.2	47.1
Slaughtering and meat packing.....	248	84,620	+9	-1.7	1,686,965	+7.3	-11.3	83.3	65.9
Sugar, beet.....	55	3,190	+10.8	+35.1	72,847	+6.9	+8.1	39.3	32.2
Sugar refining, cane.....	14	7,752	+6	+9	189,815	+1	-3.4	75.1	65.1
Textiles and their prod-ucts	3,067	590,202	+3.0	+2.4	7,000,264	+7.7	-9.1	69.5	42.0
Fabrics	1,917	469,996	+2.2	+3.3	5,410,675	+5.5	-8.0	69.3	42.4
Carpets and rugs.....	29	11,551	-9	-18.6	154,599	-1.1	-30.3	47.3	25.3
Cotton goods.....	664	225,146	+2.2	+6.1	2,181,991	+3.8	-5.8	73.5	45.7
Cotton small wares.....	112	8,617	+1.9	-6.8	113,171	+1.9	-17.5	76.2	48.9
Dyeing and finish-ing textiles.....	150	33,537	+1.5	-5.3	596,276	+8.2	-10.6	76.4	53.4
Hats, fur-felt.....	34	4,963	+3.6	+7.1	76,455	+2.1	+16.8	66.6	34.1
Knit goods.....	448	99,549	+2.2	-5	1,188,907	+5.8	-14.3	78.9	48.7
Silk and rayon goods.....	238	38,855	+9	-2.3	435,270	+1	-14.2	51.7	29.5
Woolen and worsted goods.....	242	47,778	+4.4	+15.9	664,006	+11.3	+4.8	62.6	39.5
Wearing apparel	1,150	120,206	+4.3	(1)	1,589,589	+13.2	-11.4	69.8	41.3
Clothing, men's.....	379	58,562	-8	+8	685,566	-8.9	-10.2	66.0	32.5
Clothing, women's.....	445	28,278	+11.2	-2.1	499,820	+30.5	-13.8	74.6	46.7
Corsets and allied garments.....	31	5,377	-1.0	-3.6	72,677	+6.2	-16.5	101.4	72.4
Men's furnishings.....	64	5,317	-1.9	-4.1	47,226	-3.7	-23.5	59.2	31.0
Millinery.....	122	10,074	+11.0	+2.2	175,958	+45.3	-6.7	77.5	54.5
Shirts and collars.....	109	12,598	+1.6	+3.0	108,342	+1.2	-4.6	58.8	35.1
Iron and steel and their products, not includ-ing machinery	1,388	283,759	+2.2	-15.1	3,984,478	+7.6	-24.4	50.2	24.2
Bolts, nuts, washers, and rivets.....	67	7,841	+3.0	-8.0	108,034	+5.0	-24.7	61.0	29.5
Cast-iron pipe.....	41	4,661	+21.6	-32.9	59,462	+12.8	-45.9	23.5	12.4
Cutlery (not including silver and plated cutlery) and edge tools.....	131	8,053	+3.2	-25.7	120,757	+17.4	-43.4	55.9	31.4
Forgings, iron and steel.....	64	4,943	+1.3	-13.3	68,345	+2.1	-27.2	50.8	23.3
Hardware.....	106	19,859	+5	-15.6	235,122	+1.3	-32.7	47.2	21.0
Iron and steel.....	202	172,455	+2.5	-14.2	2,378,074	+9.5	-20.7	51.3	23.3
Plumbers' supplies.....	70	5,986	-9.2	-17.5	86,029	-15.9	-27.2	53.4	27.3
Steam and hot-water heating apparatus and steam fittings.....	97	12,686	+11.3	-13.3	194,150	+13.0	-24.1	34.0	18.0
Stoves.....	159	14,742	+7.6	-12.6	234,172	+15.0	-15.0	45.1	25.0
Structural and orna-mental metal work.....	197	13,320	+1.6	-25.8	188,709	+7.4	-42.9	38.5	18.5
Tin cans and other tin-ware.....	60	8,226	+4.2	-3.3	149,531	+7.7	-10.2	71.3	41.3
Tools (not including edge tools, machine tools, files, and saws).....	126	6,226	+7	-21.9	84,996	+2	-38.6	56.1	27.2
Wirework.....	68	4,761	+1.1	-8.1	77,097	+11.9	-17.8	87.5	58.3

¹ No change.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN APRIL 1933 WITH MARCH 1933 AND APRIL 1932—Continued

Industry	Estab- lish- ments report- ing in both March and April 1933	Employment		Pay-roll totals			Index num- bers April 1933 (average 1926=100)		
		Number on pay roll April 1933	Percent of change		Amount of pay roll (1 week) April 1933	Percent of change		Em- ploy- ment	Pay- roll totals
			March to April 1933	April 1932 to April 1933		March to April 1933	April 1932 to April 1933		
Machinery, not includ- ing transportation equipment.	1,802	260,713	+0.9	-22.6	\$4,478,813	+3.0	-34.9	42.8	23.9
Agricultural imple- ments.....	76	6,783	-4.1	-24.2	99,100	-2.9	-34.4	27.6	18.5
Cash registers, adding machines, and calcu- lating machines.....	38	12,175	+1.5	-15.3	283,864	+9.6	-14.1	62.4	44.9
Electrical machinery, apparatus, and sup- plies.....	297	95,174	+9	-30.4	1,828,624	+3.7	-38.7	45.7	30.0
Engines, turbines, trac- tors, and water wheels.	88	14,344	+8	-21.2	273,620	+1.1	-28.0	38.2	23.1
Foundry and machine shop products.....	1,052	91,575	+1.2	-19.3	1,325,678	+1.2	-36.0	41.3	19.7
Machine tools.....	145	9,289	-1.3	-33.6	165,887	-1.6	-44.7	26.9	14.7
Radios and phono- graphs.....	42	17,377	+10.3	+17.3	314,602	+20.1	+9.1	67.2	50.5
Textile machinery and parts.....	48	6,301	-3.5	-16.3	96,404	-3.0	-35.2	51.3	28.3
Typewriters and sup- plies.....	16	7,695	+6	-25.8	101,034	-4.3	-39.5	52.4	26.3
Nonferrous metals and their parts.	617	72,391	+2.5	-14.0	1,097,669	+4.6	-26.3	49.9	29.4
Aluminum manufac- tures.....	25	4,854	+1.0	-8.7	73,633	-1.9	-11.1	48.1	28.0
Brass, bronze, and cop- per products.....	206	25,064	+4.0	-15.1	386,270	+8.3	-26.5	47.8	26.4
Clocks and watches and time-recording de- vices.....	27	6,296	-4.0	-29.8	70,240	+6	-48.8	33.5	16.6
Jewelry.....	138	6,802	-3	-18.5	113,617	+4.6	-23.3	33.1	20.0
Lighting equipment.	52	2,461	+3.8	-20.5	39,062	+4.2	-31.7	57.9	36.6
Silverware and plated ware.....	50	6,797	-2.1	-10.8	105,100	-3.2	-30.2	56.8	30.3
Smelting and refining— copper, lead, and zinc.	31	8,145	+4	-12.2	132,276	+4.7	-20.6	56.8	35.0
Stamped and enamelled ware.....	88	11,972	+7.0	-8.3	177,471	+10.7	-24.7	59.8	35.1
Transportation equip- ment.	411	202,850	+2	-26.6	4,159,355	+14.8	-34.6	43.6	30.2
Aircraft.....	28	6,477	+5.1	-3.7	191,175	+4.2	-6.0	206.4	205.7
Automobiles.....	240	169,695	+1.2	-24.6	3,449,671	+19.5	-31.4	45.4	31.4
Cars, electric and steam railroad.....	40	4,750	+1.3	-20.9	79,904	+4.3	-31.9	17.4	9.6
Locomotives.....	10	1,389	-2.9	-53.3	24,811	-5.9	-66.8	10.0	6.1
Shipbuilding.....	93	20,539	-8.0	-41.6	413,794	-7.3	-54.4	53.2	36.7
Railroad repair shops.	938	89,576	-4.7	-15.3	1,975,906	-4.6	-23.3	44.8	33.2
Electric railroad.....	394	20,310	-5	-10.2	494,944	-4.7	-23.1	64.0	49.7
Steam railroad.....	544	69,266	-5.4	-15.9	1,480,962	-4.7	-23.3	43.3	31.9
Lumber and allied prod- ucts.	1,518	105,533	+2.8	-17.2	1,191,467	+8.3	-32.2	32.8	15.6
Furniture.....	432	36,146	+4	-17.1	424,115	+10.7	-32.7	40.1	18.5
Lumber:									
Millwork.....	458	15,744	+6.5	-20.5	204,470	+16.6	-33.2	30.6	16.1
Sawmills.....	601	52,417	+4.0	-16.3	648,382	+5.6	-32.5	30.2	13.5
Turpentine and rosin.	27	1,226	-6.0	-11.8	14,500	-8.9	-18.0	39.5	30.5
Stone, clay, and glass products.	1,290	78,329	+3.5	-20.2	1,171,717	+1.4	-36.2	38.4	21.0
Brick, tile and terra cotta.....	664	14,481	+10.2	-31.4	146,457	+11.0	-46.3	21.2	8.0
Cement.....	120	12,284	+18.4	-18.2	179,084	+11.4	-38.7	35.5	17.1
Glass.....	188	34,977	+5.1	-5.9	605,700	+8.5	-18.8	59.5	40.6
Marble, granite, slate, and other products.....	212	3,756	-14.9	-40.4	61,901	-25.7	-59.7	31.8	16.7
Pottery.....	106	12,831	-5	-16.2	178,575	-1.8	-33.7	56.7	29.9

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN APRIL 1933 WITH MARCH 1933 AND APRIL 1932—Continued

Industry	Establishments reporting in both March and April 1933	Employment			Pay-roll totals			Index numbers April 1933 (average 1926=100)	
		Number on pay roll April 1933	Percent of change		Amount of pay roll (1 week) April 1933	Percent of change		Employment	Pay-roll totals
			March to April 1933	April 1932 to April 1933		March to April 1933	April 1932 to April 1933		
Leather and its manufactures	480	129,661	-2.2	-4.8	\$1,833,504	-2.6	-17.7	74.1	44.3
Boots and shoes.....	326	106,746	-1.3	-4.4	1,449,055	-5	-17.4	76.2	44.2
Leather.....	154	22,915	-5.8	-6.5	384,449	-9.7	-18.4	65.7	44.7
Paper and printing	1,927	203,916	-.4	-7.9	4,642,993	-1.2	-21.6	76.5	58.1
Boxes, paper.....	311	19,043	-2.8	-7.6	305,658	-6	-19.4	67.0	51.1
Paper and pulp.....	396	74,623	+2	-5.0	1,244,012	+8	-20.3	72.6	45.6
Printing and publishing:									
Book and job.....	752	42,412	-1.2	-15.2	1,024,498	-3.3	-27.2	66.7	50.2
Newspapers and periodicals.....	468	67,838	+8	-3.9	2,068,825	-9	-18.3	96.5	77.1
Chemicals and allied products	1,063	147,393	+3.5	-1.9	2,995,819	+2	-14.1	79.1	58.6
Chemicals.....	115	20,362	-1.4	-2.9	461,079	-1.3	-12.6	85.2	59.4
Cottonseed, oil, cake, and meal.....	91	2,467	-27.6	-32.4	21,607	-29.5	-42.3	27.8	23.3
Druggists' preparations.....	43	6,198	-3.0	-8.8	112,395	-6.3	-16.4	67.7	62.3
Explosives.....	29	3,288	-7	-4	58,687	-5.9	-12.8	75.1	44.9
Fertilizers.....	199	15,621	+74.1	+30.4	155,461	+63.5	+2.1	117.4	59.4
Paints and varnishes.....	342	13,084	+3.2	-10.3	271,374	+11.9	-22.5	65.3	48.7
Petroleum refining.....	129	48,467	+1	-3.4	1,276,995	-1.2	-10.4	62.9	52.6
Rayon and allied products.....	23	26,044	-6.2	-4.1	409,922	-9.9	-17.9	133.1	103.1
Soap.....	92	11,852	+3	-2.6	228,239	+6	-15.1	94.0	76.8
Rubber products	149	66,958	-.2	-11.0	1,119,951	+8.1	-25.5	60.1	34.8
Rubber boots and shoes.....	8	8,299	+8	-20.4	118,398	+5.7	-26.1	45.6	28.3
Rubber goods, other than boots, shoes, tires, and inner tubes.....	100	18,061	-1.4	-3.1	291,054	+3.3	-15.0	78.6	47.7
Rubber tires and inner tubes.....	41	40,598	+1	-12.5	710,499	+10.9	-29.7	56.8	31.9
Tobacco manufactures	242	45,705	-2.2	-17.4	523,017	-.3	-26.9	58.2	38.3
Chewing and smoking tobacco and snuff.....	33	9,536	-3.9	-4.6	119,778	+3.3	-13.7	83.0	62.3
Cigars and cigarettes.....	209	36,169	-2.0	-19.6	403,239	-8	-29.2	55.0	35.4
Total, 89 industries	17,954	2,516,266	+1.6	-10.0	41,068,232	+4.5	-21.9	58.9	34.9

Per Capita Earnings in Manufacturing Industries

PER capita weekly earnings in April 1933 for each of the 89 manufacturing industries surveyed by the Bureau of Labor Statistics and for all industries combined, together with the percents of change in April 1933 as compared with March 1933 and April 1932, are shown in table 2.

These earnings 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).

TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN APRIL 1933 AND COMPARISON WITH MARCH 1933 AND APRIL 1932

Industry	Per capita weekly earnings in April 1933	Percent of change compared with—	
		March 1933	April 1932
Food and kindred products:			
Baking.....	\$21.35	+0.9	-9.7
Beverages.....	29.30	+24.6	+11.5
Butter.....	20.72	-2.2	-15.0
Confectionery.....	12.45	+3.9	-20.2
Flour.....	21.08	+6.1	-6.5
Ice cream.....	24.94	+2	-17.4
Slaughtering and meat packing.....	19.94	+6.4	-9.9
Sugar, beet.....	22.84	-3.5	-19.9
Sugar refining, cane.....	24.49	-4	-4.1
Textiles and their products:			
Fabrics:			
Carpets and rugs.....	13.38	-.3	-15.0
Cotton goods.....	9.69	+1.6	-11.3
Cotton small wares.....	13.13	(1)	-11.6
Dyeing and finishing textiles.....	17.78	+6.7	-5.2
Hats, fur-felt.....	15.40	-1.5	+8.9
Knit goods.....	11.94	+3.5	-13.7
Silk and rayon goods.....	11.30	-8	-12.0
Woolen and worsted goods.....	13.90	+6.6	-9.5
Wearing apparel:			
Clothing, men's.....	11.71	-8.1	-11.2
Clothing, women's.....	17.68	+17.5	-11.8
Corsets and allied garments.....	13.52	+7.4	-13.2
Men's furnishings.....	8.88	-1.8	-20.4
Millinery.....	17.47	+31.0	-8.5
Shirts and collars.....	8.60	-5	-7.1
Iron and steel and their products, not including machinery:			
Bolts, nuts, washers, and rivets.....	13.78	+1.9	-18.3
Cast-iron pipe.....	12.76	+17.2	-19.4
Cutlery (not including silver and plated cutlery) and edge tools.....	15.00	+13.8	-24.1
Forgings, iron and steel.....	13.83	+8	-16.0
Hardware.....	11.84	+8	-20.1
Iron and steel.....	13.79	+6.8	-7.8
Plumbers' supplies.....	14.37	-7.4	-11.7
Steam and hot-water heating apparatus and steam fittings.....	15.30	+1.5	-12.1
Stoves.....	15.88	+6.9	-2.8
Structural and ornamental metalwork.....	14.17	+5.7	-22.9
Tin cans and other tinware.....	18.18	+3.4	-7.1
Tools (not including edge tools, machine tools, files, and saws).....	13.65	-5	-21.3
Wirework.....	16.19	+11.7	-10.8
Machinery, not including transportation equipment:			
Agricultural implements.....	14.61	+1.2	-13.6
Cash registers, adding machines, and calculating machines.....	23.32	+8.0	+1.4
Electrical machinery, apparatus, and supplies.....	19.21	+2.8	-11.5
Engines, turbines, tractors, and water wheels.....	19.08	+3	-8.9
Foundry and machine shop products.....	14.48	+1	-20.9
Machine tools.....	16.78	-4	-16.8
Radios and phonographs.....	18.10	+8.8	-7.0
Textile machinery and parts.....	15.30	+5	-22.6
Typewriters and supplies.....	13.13	-4.9	-18.5
Nonferrous metals and their parts:			
Aluminum manufactures.....	15.17	-2.8	-2.7
Brass, bronze, and copper products.....	15.41	+4.1	-13.4
Clocks and watches and time-recording devices.....	11.16	+4.9	-27.0
Jewelry.....	16.70	+4.9	-11.9
Lighting equipment.....	15.87	+4	-14.1
Silverware and plated ware.....	15.45	-1.2	-21.9
Smelting and refining—copper, lead, and zinc.....	16.21	+4.2	-9.7
Stamped and enameled ware.....	14.82	+3.4	-18.0
Transportation equipment:			
Aircraft.....	29.52	-9	-2.5
Automobiles.....	20.33	+18.1	-9.3
Cars, electric and steam railroad.....	16.82	+3.1	-14.1
Locomotives.....	17.86	-3.1	-20.0
Shipbuilding.....	20.15	+8	-21.8
Railroad repair shops:			
Electric railroad.....	24.37	-4.3	-14.5
Steam railroad.....	21.38	+7	-8.8
Lumber and allied products:			
Furniture.....	11.73	+10.2	-13.9
Lumber:			
Millwork.....	12.99	+9.5	-16.2
Sawmills.....	10.46	+1.6	-19.6
Turpentine and rosin.....	11.83	-3.0	-7.0

¹ No change.

TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN APRIL 1933 AND COMPARISON WITH MARCH 1933 AND APRIL 1932—Continued

Industry	Per capita weekly earnings in April 1933	Percent of change compared with—	
		March 1933	April 1932
Stone, clay, and glass products:			
Brick, tile, and terra cotta.....	10.11	+ .7	-21.8
Cement.....	14.58	-6.0	-25.3
Glass.....	17.32	+3.3	-14.1
Marble, granite, slate, and other products.....	16.48	-12.6	-32.4
Pottery.....	13.92	-1.3	-21.0
Leather and its manufactures:			
Boots and shoes.....	13.57	+ .7	-13.8
Leather.....	16.78	-4.1	-12.7
Paper and printing:			
Boxes, paper.....	16.05	+2.3	-12.6
Paper and pulp.....	16.67	+ .6	-16.1
Printing and publishing:			
Book and job.....	24.16	-2.1	-14.0
Newspapers and periodicals.....	30.50	-1.6	-15.2
Chemicals and allied products:			
Chemicals.....	22.64	+ .1	-10.1
Cottonseed, oil, cake, and meal.....	8.76	-2.6	-15.2
Druggists' preparations.....	18.13	-3.5	-8.5
Explosives.....	17.85	-5.3	-12.4
Fertilizers.....	9.95	-6.1	-21.6
Paints and varnishes.....	20.73	+8.5	-13.7
Petroleum refining.....	26.35	-1.2	-7.2
Rayon and allied products.....	15.74	-3.9	-14.7
Soap.....	19.26	+ .3	-13.2
Rubber products:			
Rubber boots and shoes.....	14.27	+4.8	-7.4
Rubber goods, other than boots, shoes, tires and inner tubes.....	16.12	+4.8	-12.2
Rubber tires and inner tubes.....	17.50	+10.8	-19.7
Tobacco manufactures:			
Chewing and smoking tobacco and snuff.....	12.56	+7.4	-9.8
Cigars and cigarettes.....	11.15	+1.3	-11.7
Total, 89 industries.....	16.32	+2.8	-13.4

² Weighted.

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

GENERAL index numbers of employment and pay-roll totals in manufacturing industries by months, from January 1926 to April 1933, together with average indexes for each of the years from 1926 to 1932, and for the 4-month period, January to April 1933, inclusive, are shown in the following table. In computing these general indexes the index numbers of each of the separate industries are weighted according to their relative importance in the total. Following this table are two charts prepared from these general indexes showing the course of employment and pay rolls for each of the years 1926 to 1932, inclusive, and for January, February, March, and April 1933.

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TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES, JANUARY 1926 TO APRIL 1933

[12-month average, 1926=100]

Month	Employment								Pay rolls							
	1926	1927	1928	1929	1930	1931	1932	1933	1926	1927	1928	1929	1930	1931	1932	1933
January.....	100.4	97.3	91.6	95.2	90.7	74.6	64.8	56.6	98.0	94.9	89.6	94.5	88.1	63.7	48.6	35.8
February.....	101.5	99.0	93.0	97.4	90.9	75.3	65.6	57.5	102.2	100.6	93.9	101.8	91.3	68.1	49.6	36.4
March.....	102.0	99.5	93.7	98.6	90.5	75.9	64.5	55.1	103.4	102.0	95.2	103.9	91.6	69.6	48.2	33.4
April.....	101.0	98.6	93.3	99.1	89.9	75.7	62.2	56.0	101.5	100.8	93.8	104.6	90.7	68.5	44.7	34.9
May.....	99.8	97.6	93.0	99.2	88.6	75.2	59.7	-----	99.8	99.8	94.1	104.8	88.6	67.7	42.5	-----
June.....	99.3	97.0	93.1	98.8	86.5	73.4	57.5	-----	99.7	97.4	94.2	102.8	85.2	63.8	39.3	-----
July.....	97.7	95.0	92.2	98.2	82.7	71.7	55.2	-----	95.2	93.0	91.2	98.2	77.0	60.3	36.2	-----
August.....	98.7	95.1	93.6	98.6	81.0	71.2	56.0	-----	98.7	95.0	94.2	102.1	75.0	59.7	36.3	-----
September.....	100.3	95.8	95.0	99.3	80.9	70.9	58.5	-----	99.3	94.1	95.4	102.6	75.4	56.7	38.1	-----
October.....	100.7	95.3	95.9	98.4	79.9	68.9	59.9	-----	102.9	95.2	99.0	102.4	74.0	55.3	39.9	-----
November.....	99.5	93.5	95.4	95.0	77.9	67.1	59.4	-----	99.6	91.6	96.1	95.4	69.6	52.5	38.6	-----
December.....	98.9	92.6	95.5	92.3	76.6	66.7	58.3	-----	99.8	93.2	97.7	92.4	68.8	52.2	37.7	-----
Average...	100.0	96.4	93.8	97.5	84.7	72.2	60.1	56.3	100.0	96.5	94.5	100.5	81.3	61.5	41.6	35.1

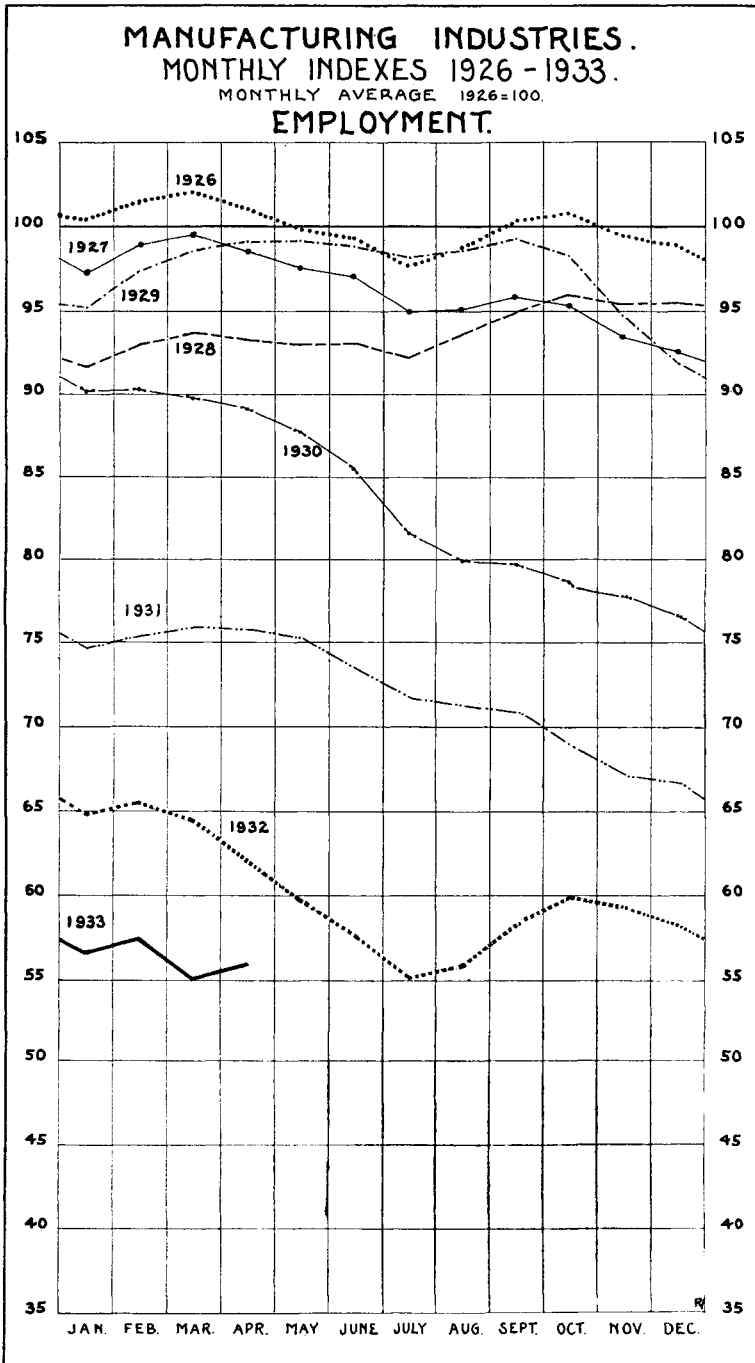
¹ Average for 4 months.

Time Worked in Manufacturing Industries in April 1933

REPORTS as to working time in April were received from 13,719 establishments in 89 manufacturing industries. Three percent of these establishments were idle, 47 percent operated on a full-time basis, and 50 percent worked on a part-time schedule.

An average of 86 percent of full-time operation in April was shown by reports received from all the operating establishments included in table 4. The establishments working part time in April averaged 73 percent of full-time operation.

A number of establishments supplying data concerning plant-operating time have reported full-time operations, but have qualified the hours reported with a statement that, while the plant was operating full time, the work in the establishment was being shared and the employees were not working the full-time hours operated by the plant. Such establishments have been classified under full-time establishments in the following tabulation.



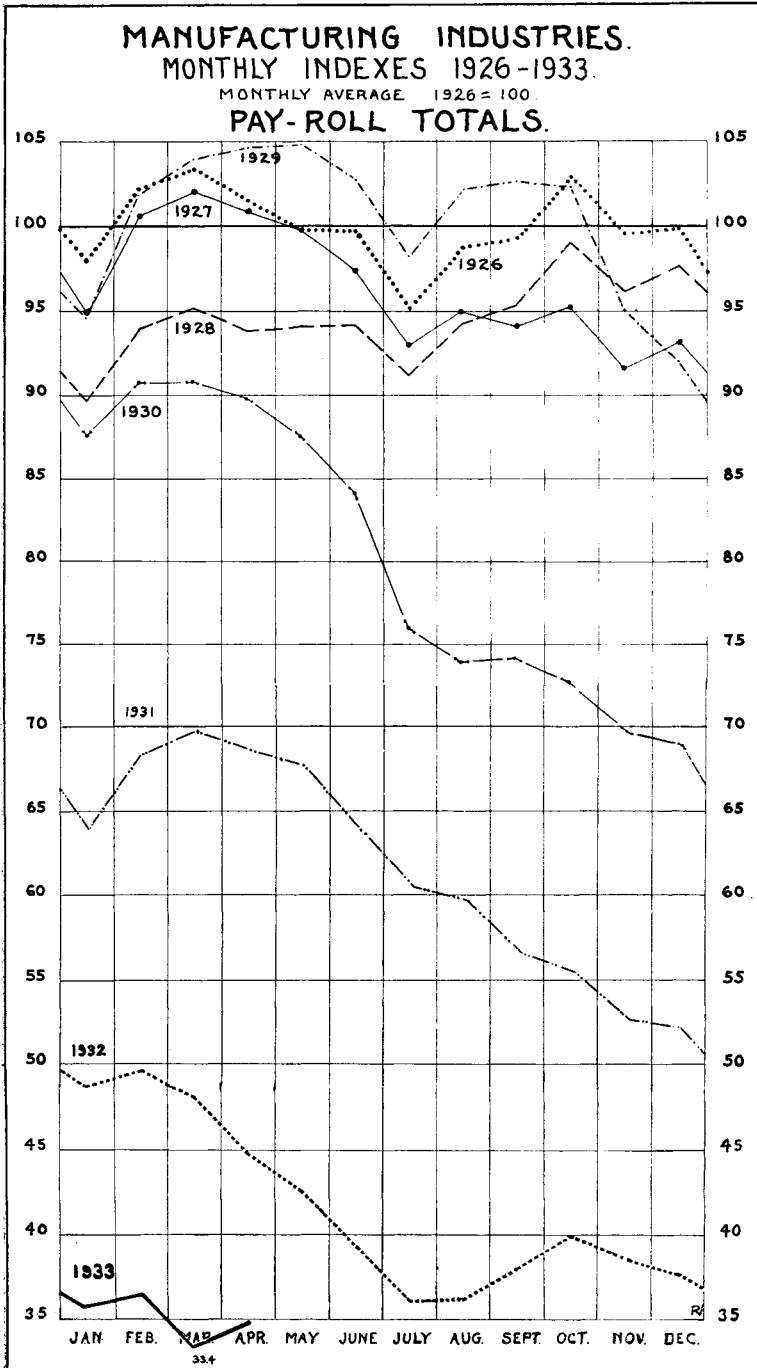


TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES
BY ESTABLISHMENTS REPORTING IN APRIL 1933

Industry	Establishments reporting		Percent of establishments operating—		Average percent of full time reported by—	
	Total number	Percent idle	Full time	Part time	All operating establishments	Establishments operating part time
Food and kindred products	2,529	1	69	30	94	79
Baking.....	780	(1)	82	18	97	80
Beverages.....	283	(1)	73	26	94	74
Butter.....	248	1	71	28	95	83
Confectionery.....	260	(1)	39	61	84	74
Flour.....	385	1	58	31	93	77
Ice cream.....	314	2	68	39	92	81
Slaughtering and meat packing.....	200	1	68	32	96	87
Sugar, beet.....	49	4	90	6	99	85
Sugar refining, cane.....	10	10	50	40	92	83
Textiles and their products	2,529	4	58	38	90	75
Fabrics:						
Carpets and rugs.....	20	15	40	45	79	61
Cotton goods.....	632	3	56	41	89	75
Cotton small wares.....	97	1	46	53	86	74
Dyeing and finishing textiles.....	138	2	45	53	89	79
Hats, fur-felt.....	20	-----	35	65	76	63
Knit goods.....	384	4	59	36	91	76
Silk and rayon goods.....	220	10	56	33	90	74
Woolen and worsted goods.....	222	5	58	37	89	72
Wearing apparel:						
Clothing, men's.....	292	2	58	40	91	78
Clothing, women's.....	271	3	77	19	96	76
Corsets and allied garments.....	24	-----	54	46	91	81
Men's furnishings.....	51	4	49	47	84	68
Millinery.....	76	-----	70	30	94	79
Shirts and collars.....	82	2	59	39	90	75
Iron and steel and their products, not including machinery	1,036	5	21	74	73	65
Bolts, nuts, washers, and rivets.....	61	-----	18	82	70	63
Cast-iron pipe.....	34	21	6	74	48	44
Cutlery (not including silver and plated cutlery) and edge tools.....	104	3	21	76	70	62
Forgings, iron and steel.....	38	-----	11	89	61	56
Hardware.....	58	2	9	90	65	61
Iron and steel.....	132	16	27	57	75	63
Plumbers' supplies.....	51	-----	25	75	77	70
Steam and hot-water heating apparatus and steam fittings.....	82	5	10	85	60	65
Stoves.....	136	6	19	75	73	66
Structural and ornamental metal work.....	137	1	29	69	82	75
Tin cans and other tinware.....	54	2	50	48	88	75
Tools (not including edge tools, machine tools, files, and saws).....	105	1	20	79	74	68
Wirework.....	44	2	16	82	76	71
Machinery, not including transportation equipment	1,316	2	24	75	73	65
Agricultural implements.....	48	-----	23	77	74	66
Cash registers, adding machines, and calculating machines.....	30	-----	40	60	84	73
Electrical machinery, apparatus, and supplies.....	208	1	18	81	75	69
Engines, turbines, tractors, and water wheels.....	67	1	16	82	73	68
Foundry and machine-shop products.....	781	2	26	73	72	62
Machine tools.....	115	6	18	76	72	66
Radios and phonographs.....	28	-----	25	75	81	74
Textile machinery and parts.....	29	3	24	72	79	72
Typewriters and supplies.....	10	-----	30	70	77	65
Nonferrous metals and their parts	489	1	25	73	76	68
Aluminum manufactures.....	18	-----	22	78	85	79
Brass, bronze, and copper products.....	160	-----	25	75	75	67
Clocks and watches and time-recording devices.....	21	5	29	67	71	58
Jewelry.....	114	2	24	75	74	66
Lighting equipment.....	43	-----	21	79	77	71
Silverware and plated ware.....	47	6	17	77	70	63
Smelting and refining—copper, lead, and zinc.....	22	-----	68	32	93	78
Stamped and enamelled ware.....	74	-----	24	76	77	70

¹Less than one half of 1 percent.

TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN APRIL 1933—Continued

Industry	Establishments reporting		Percent of establishments operating—		Average percent of full time reported by—	
	Total number	Percent idle	Full time	Part time	All operating establishments	Establishments operating part time
Transportation equipment	287	5	44	51	90	80
Aircraft.....	27		63	37	95	87
Automobiles.....	135	7	30	62	90	85
Cars, electric and steam railroad.....	32	13	25	63	72	61
Locomotives.....	7		57	43	84	63
Shipbuilding.....	86	1		35	94	82
Railroad repair shops	761	(1)	42	58	88	79
Electric railroad.....	339		64	36	94	83
Steam railroad.....	422	1	24	75	83	78
Lumber and allied products	1,047	3	35	63	82	71
Furniture.....	327	3	32	65	82	73
Lumber:						
Millwork.....	300	1	29	69	78	68
Sawmills.....	399	4	40	56	84	73
Turpentine and resin.....	21	5	43	52	90	81
Stone, clay, and glass products	641	23	39	39	84	68
Brick, tile, and terra cotta.....	172	46	13	41	72	62
Cement.....	76	26	67	7	98	80
Glass.....	143	8	71	20	94	72
Marble, granite, slate, and other products.....	165	17	27	56	81	72
Pottery.....	85	8	31	61	77	66
Leather and its manufacture	355	3	45	52	88	78
Boots and shoes.....	238	3	42	55	87	78
Leather.....	117	3	50	48	90	80
Paper and printing	1,693	1	49	50	88	77
Boxes, paper.....	255	(1)	29	70	82	75
Paper and pulp.....	300	4	38	58	81	69
Printing and publishing:						
Book and job.....	636	(1)	43	57	88	78
Newspapers and periodicals.....	412	(1)	77	23	97	88
Chemicals and allied products	798	2	57	41	92	80
Chemicals.....	86	1	60	38	90	74
Cottonseed, oil, cake and meal.....	49	8	67	24	94	76
Druggists' preparations.....	28		54	46	91	81
Explosives.....	12		8	92	82	80
Fertilizers.....	158		80	20	97	81
Paints and varnishes.....	299	1	45	55	89	79
Petroleum refining.....	78	6	67	27	96	88
Rayon and allied products.....	10		80	20	97	85
Soap.....	78		46	54	90	82
Rubber products	119		29	71	82	74
Rubber boots and shoes.....	8		13	88	83	81
Rubber goods, other than boots, shoes, tires, and inner tubes.....	83		36	64	83	73
Rubber tires and inner tubes.....	28		14	86	77	73
Tobacco manufactures	209	8	25	67	83	77
Chewing and smoking tobacco and snuff.....	32	9	53	38	87	68
Cigars and cigarettes.....	177	8	20	72	82	77
Total, 89 industries	13,719	3	47	50	86	73

¹ Less than one half of 1 percent.

Employment in Nonmanufacturing Industries in April 1933

INCREASES in employment in April, as compared with March, were reported in 8 of the 16 nonmanufacturing industries covered by the Bureau's monthly employment survey, and increased pay-roll totals were reported in 6 of these nonmanufacturing industries.

The most pronounced gains in both employment and pay rolls over the month interval were seasonal increases of 48.2 percent in employment and 38.3 percent in pay rolls in the canning and preserving industry, due largely to increased operations in California establishments at the beginning of the vegetable canning season in that State. The dyeing and cleaning industry reported increased activity in April, which is seasonal at this time of year with this industry. The quarrying and nonmetallic mining industry reported increases of 11.8 percent in employment and 13.8 percent in pay rolls. Retail trade establishments, reflecting the expansion for Easter trade, reported 10.1 percent more employees in April than in March, with a corresponding increase of 9.6 percent in pay rolls.

The coal-mining industries reported the most pronounced losses over the month interval, the bituminous coal-mining industry reporting decreases of 5.8 percent in employment and 13.6 percent in earnings, and the anthracite mining industry reporting losses of 5.4 percent in employment and 23.4 percent in pay rolls.

In the following table are presented employment and pay-roll data for 15 groups of nonmanufacturing industries. Data concerning the building-construction industry are not included in the following tabulation, but are shown in more detail under the section "Building construction."

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN NONMANUFACTURING ESTABLISHMENTS IN APRIL 1933 WITH MARCH 1933 AND APRIL 1932

Industrial group	Estab-lish-ments reporting in both March and April 1933	Employment			Pay-roll totals			Index num-bers, April 1933 (aver-age, 1929=100)	
		Number on pay roll, April 1933	Percent of change		Amount of pay roll (1 week), April 1933	Percent of change		Em-ploy-ment	Pay-roll totals
			March to April 1933	April 1932 to April 1933		March to April 1933	April 1932 to April 1933		
Coal mining:									
Anthracite.....	160	70,625	-5.4	-26.4	1,485,241	-23.4	-48.1	51.6	37.4
Bituminous.....	1,490	186,221	-5.8	-2.7	2,015,801	-13.6	-21.5	63.7	26.6
Metaliferous mining.....	275	19,766	-2.2	-32.1	360,104	-5.6	-34.4	29.4	16.4
Quarrying and nonmetallic mining.....	652	19,116	+11.8	-19.1	269,757	+13.8	-32.7	39.3	20.2
Crude petroleum producing.....	264	23,604	+5	+3.5	647,027	-5.8	-9.9	56.8	40.1
Public utilities:									
Telephone and telegraph.....	7,855	260,498	-1.2	-11.0	6,545,333	-5.3	-18.7	72.3	67.8
Power and light.....	3,238	203,943	-(1)	-9.3	5,780,753	-3.4	-15.8	76.9	69.4
Electric-railroad and motor-bus operation and maintenance.....	577	133,476	-5	-10.9	3,545,701	-2.2	-19.1	69.5	58.1
Trade:									
Wholesale.....	2,951	73,591	+3	-7.1	1,890,844	-1.9	-18.7	73.3	56.0
Retail.....	17,296	358,516	+10.1	-3.7	6,764,118	+9.6	-16.9	78.6	60.4
Hotels (cash payments only) ²	2,630	130,546	-8	-13.1	1,644,792	-3.3	-25.7	71.9	51.7
Canning and preserving.....	835	44,266	+48.2	+4.7	496,096	+38.3	-11.6	49.2	33.5
Laundries.....	959	54,254	+5	-10.5	788,276	+2.2	-24.4	73.4	54.0
Dyeing and cleaning.....	324	10,582	+13.8	-2.6	185,671	+33.1	-17.1	81.1	54.6
Banks, brokerage, insurance, and real estate.....	3,382	129,877	³ -5	³ -2.5	4,483,146	³ -1.0	³ -9.8	³ 96.3	³ 83.3

¹ Less than one tenth of 1 percent.

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

³ Weighted.

Per capita weekly earnings in April 1933 for 15 nonmanufacturing industries included in the Bureau's monthly trend-of-employment survey, together with the percents of change in April 1933 as compared with March 1933 and April 1932, are given in the table following. These per capita weekly earnings 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).

TABLE 2.—PER CAPITA WEEKLY EARNINGS IN 15 NONMANUFACTURING INDUSTRIES IN APRIL 1933 AND COMPARISON WITH MARCH 1933 AND APRIL 1932

Industrial group	Per capita weekly earnings in April 1933	Percent of change April 1933 compared with—	
		March 1933	April 1932
Coal mining:			
Anthracite	\$21.03	-19.1	--29.4
Bituminous	10.82	-8.4	-19.3
Metalliferous mining	18.23	-3.4	-3.3
Quarrying and nonmetallic mining	14.11	+1.8	-16.7
Crude petroleum producing	27.41	-6.2	-12.9
Public utilities:			
Telephone and telegraph	25.13	-4.2	-8.7
Power and light	28.34	-3.3	-7.2
Electric-railroad and motor-bus operation and maintenance.....	26.56	-1.7	-9.2
Trade:			
Wholesale	25.69	-2.2	-12.5
Retail	18.87	-4	-13.8
Hotels (cash payments only) ¹	12.60	-2.5	-14.6
Canning and preserving	11.21	-6.7	-15.5
Laundries	14.53	+1.7	-15.5
Dyeing and cleaning	17.55	+17.0	-14.9
Banks, brokerage, insurance, and real estate	34.52	² -5	² -7.5

¹ The additional value of board, room, and tips cannot be computed.

² Weighted.

Indexes of Employment and Pay-Roll Totals for Nonmanufacturing Industries

INDEX numbers of employment and pay-roll totals for 15 nonmanufacturing industries are presented in the following table. These index numbers show the variation in employment and pay rolls by months, from January 1930 to April 1933, in all nonmanufacturing industries with the exception of the laundry, dyeing and cleaning, and the banks, brokerage, insurance, and real-estate industries, for which information over the entire period is not available. The Bureau has secured data concerning employment and pay rolls for the index base year 1929 from establishments in these three industries, and has computed index numbers for those months for which data are available from the Bureau's files. These indexes are shown in this tabulation.

TABLE 3.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR NONMANUFACTURING INDUSTRIES, JANUARY TO DECEMBER 1930, 1931, AND 1932, AND JANUARY TO APRIL 1933

[12-month average, 1929=100]

Month	Anthracite mining								Bituminous-coal mining							
	Employment				Pay rolls				Employment				Pay rolls			
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
January.....	102.1	90.6	76.2	52.5	105.8	89.3	61.5	43.2	102.5	93.9	80.8	69.8	101.4	73.3	47.0	36.1
February.....	106.9	89.5	71.2	58.7	121.5	101.9	57.3	56.8	102.4	91.5	77.4	69.3	102.1	68.3	47.0	37.2
March.....	82.6	82.0	73.7	54.6	78.5	71.3	61.2	48.8	98.6	88.8	75.2	67.6	86.4	65.2	46.8	30.7
April.....	84.1	85.2	70.1	51.6	75.0	75.2	72.0	37.4	94.4	85.9	65.5	63.7	81.7	58.6	33.9	26.6
May.....	93.8	80.3	66.9	.....	98.8	76.1	58.0	.....	90.4	82.4	62.6	.....	77.5	54.4	30.7	.....
June.....	90.8	76.1	53.0	.....	94.3	66.7	37.4	.....	88.4	76.4	60.5	.....	75.6	52.4	27.3	.....
July.....	91.6	65.1	44.5	.....	84.0	53.7	34.5	.....	88.0	76.4	58.6	.....	68.9	50.4	24.4	.....
August.....	80.2	67.3	49.2	.....	78.8	56.4	41.4	.....	89.2	77.0	59.4	.....	71.1	50.6	26.4	.....
September.....	93.8	80.0	55.8	.....	91.6	64.9	47.0	.....	90.5	80.4	62.4	.....	74.9	53.6	30.2	.....
October.....	99.0	86.8	63.9	.....	117.2	91.1	66.7	.....	91.8	81.3	67.0	.....	79.4	56.2	37.8	.....
November.....	97.2	83.5	62.7	.....	98.0	79.5	51.0	.....	92.5	81.1	69.4	.....	79.1	54.6	38.0	.....
December.....	99.1	79.8	62.3	.....	100.0	78.4	56.2	.....	92.5	81.2	70.0	.....	77.7	52.3	37.7	.....
Average.....	93.4	80.5	62.5	54.4	95.3	75.4	53.7	46.6	93.4	83.2	67.4	67.6	81.3	57.5	35.6	32.7
Month	Metalliferous mining								Quarrying and nonmetallic mining							
	Employment				Pay rolls				Employment				Pay rolls			
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
January.....	95.7	68.3	49.3	32.4	92.7	55.0	29.7	18.1	79.6	64.4	48.9	35.1	71.9	50.4	30.2	18.1
February.....	92.3	65.3	46.9	31.5	92.5	54.6	27.8	17.8	79.8	66.6	47.4	34.3	73.5	54.2	29.6	17.4
March.....	90.9	63.5	45.0	30.0	90.8	52.8	26.5	17.4	83.0	70.0	46.0	35.1	80.0	58.4	28.7	17.8
April.....	89.3	63.9	43.3	29.4	88.3	51.4	25.0	16.4	87.4	76.1	48.6	39.3	85.4	62.6	30.0	20.2
May.....	87.5	62.4	38.3	.....	85.6	49.3	23.8	.....	80.8	75.0	50.6	.....	80.2	62.3	32.3	.....
June.....	84.6	60.0	32.2	.....	81.6	46.1	20.1	.....	90.3	72.3	49.5	.....	90.9	60.1	30.0	.....
July.....	80.5	56.2	29.5	.....	71.9	41.3	16.9	.....	89.9	71.0	49.5	.....	85.5	67.3	29.1	.....
August.....	79.0	55.8	28.6	.....	71.0	40.2	16.5	.....	89.3	68.9	51.1	.....	86.8	65.1	29.7	.....
September.....	78.1	55.5	29.3	.....	69.9	40.0	17.0	.....	87.7	66.6	52.4	.....	82.5	61.2	30.5	.....
October.....	77.2	53.8	30.5	.....	68.6	37.4	18.0	.....	84.7	64.5	52.4	.....	79.3	48.7	30.1	.....
November.....	72.8	52.8	31.9	.....	63.4	35.1	18.7	.....	78.3	69.3	49.4	.....	66.8	43.3	27.1	.....
December.....	70.1	51.2	33.3	.....	59.9	34.3	18.7	.....	70.2	53.9	42.3	.....	59.9	36.9	22.1	.....
Average.....	83.2	59.1	36.5	30.8	78.0	44.8	21.6	17.4	84.3	67.4	49.0	36.1	79.3	53.4	29.1	18.4
Month	Crude petroleum producing								Telephone and telegraph							
	Employment				Pay rolls				Employment				Pay rolls			
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
January.....	92.7	74.8	54.9	57.2	94.0	71.5	46.5	39.9	101.6	90.5	83.0	74.6	105.1	96.3	89.1	71.7
February.....	90.8	73.2	54.4	57.0	88.6	70.2	46.9	41.7	100.2	89.2	82.0	73.9	101.9	94.8	89.6	71.9
March.....	89.3	72.2	51.4	56.5	91.3	73.2	43.2	42.5	99.4	88.6	81.7	73.2	105.8	97.9	88.2	71.6
April.....	86.3	69.8	54.9	56.8	86.6	69.3	44.5	40.1	88.9	83.1	81.2	72.3	103.4	95.0	83.4	67.8
May.....	89.3	67.8	54.5	.....	85.4	64.7	47.1	.....	99.7	87.4	80.6	.....	103.2	94.1	82.8	.....
June.....	90.2	65.0	54.2	.....	87.1	62.7	44.8	.....	99.8	86.9	79.9	.....	103.4	95.0	82.1	.....
July.....	89.9	65.3	55.4	.....	88.5	58.2	44.6	.....	100.0	86.6	79.1	.....	106.6	93.3	79.6	.....
August.....	87.7	62.4	57.4	.....	86.0	56.3	42.9	.....	96.8	85.9	78.1	.....	102.5	92.3	79.1	.....
September.....	85.0	61.2	56.2	.....	84.0	55.2	41.9	.....	96.8	85.0	77.4	.....	102.2	92.1	75.9	.....
October.....	85.2	60.4	56.8	.....	82.6	54.4	42.5	.....	94.5	84.1	76.2	.....	100.9	91.6	75.7	.....
November.....	83.6	57.6	56.5	.....	80.0	52.0	42.4	.....	93.0	83.5	75.5	.....	97.9	89.7	74.3	.....
December.....	77.4	58.2	57.2	.....	77.2	54.9	41.7	.....	91.6	83.1	74.8	.....	101.3	92.7	73.5	.....
Average.....	87.4	65.7	55.3	56.9	85.9	61.7	44.1	41.1	97.9	86.6	79.1	73.5	102.9	93.7	81.1	70.8
Month	Power and light								Electric-railroad and motor-bus operation and maintenance ¹							
	Employment				Pay rolls				Employment				Pay rolls			
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
January.....	99.6	99.2	89.3	77.7	99.7	98.6	88.4	73.0	97.1	86.9	79.5	70.6	97.8	85.6	75.4	60.9
February.....	98.8	97.8	87.2	77.4	100.4	99.7	86.0	71.6	95.1	86.6	78.9	70.4	95.7	87.1	74.8	60.6
March.....	99.7	96.7	85.5	76.9	102.1	102.4	85.4	71.9	94.4	86.4	77.6	69.8	95.4	88.1	73.6	59.4
April.....	100.7	97.1	84.8	76.9	102.6	97.6	82.4	69.4	95.2	86.8	78.0	69.5	97.1	86.6	71.8	58.1
May.....	103.4	97.6	84.0	.....	104.5	98.7	84.2	.....	95.2	85.9	76.9	.....	96.0	85.1	72.2	.....
June.....	104.6	97.2	83.2	.....	107.8	98.3	80.5	.....	94.8	86.3	76.5	.....	97.0	84.8	70.2	.....
July.....	105.9	96.7	82.3	.....	106.7	97.4	78.7	.....	95.3	85.6	75.6	.....	95.6	83.3	66.4	.....
August.....	106.4	95.9	81.5	.....	106.6	96.2	76.7	.....	92.9	84.8	74.1	.....	92.1	81.9	63.8	.....
September.....	105.2	94.7	81.0	.....	106.1	94.3	74.7	.....	91.8	84.0	73.5	.....	90.5	81.2	62.5	.....
October.....	104.8	92.7	79.9	.....	105.6	93.2	74.4	.....	91.0	82.7	72.3	.....	88.9	79.0	61.5	.....
November.....	103.4	91.3	79.1	.....	103.7	93.3	73.2	.....	89.3	81.5	71.8	.....	87.7	79.7	61.7	.....
December.....	103.2	90.3	78.4	.....	106.3	91.2	73.2	.....	88.8	79.9	71.4	.....	88.6	77.8	61.9	.....
Average.....	103.0	95.6	83.0	77.2	104.3	96.7	79.8	71.5	93.4	84.7	75.5	70.1	93.5	83.4	68.0	59.8

¹ Average for 4 months.

² Revised.

³ Not including electric-railroad car building and repairing; see transportation equipment and railroad repair-shop groups, manufacturing industries, table 1.

TABLE 3.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR **NONMANUFACTURING INDUSTRIES, JANUARY TO DECEMBER 1930, 1931, AND 1932, AND JANUARY TO APRIL 1933—Continued**

[12-month average, 1929=100]

Month	Wholesale trade								Retail trade							
	Employment				Pay rolls				Employment				Pay rolls			
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933	1930	1931	1932	1933
January.....	100.0	89.5	81.8	75.3	100.0	87.5	74.1	61.7	98.9	90.0	84.3	76.9	99.7	89.4	78.0	62.7
February.....	98.5	88.2	80.9	74.1	98.3	88.4	72.5	58.6	94.4	87.1	80.5	73.4	96.0	86.7	73.7	58.4
March.....	97.7	87.4	79.8	73.1	99.7	89.1	71.3	57.1	93.9	87.8	81.4	71.4	95.5	87.5	73.4	55.1
April.....	97.3	87.4	78.9	73.3	97.9	85.2	68.9	56.0	97.3	90.1	81.6	78.6	97.5	88.3	72.7	60.4
May.....	96.8	87.1	77.9	72.7	97.4	84.7	69.7	56.0	96.7	89.9	80.9	76.0	97.3	88.0	71.1	56.0
June.....	96.5	87.1	77.0	72.7	96.6	84.1	66.2	56.0	93.9	89.1	79.4	76.0	96.8	87.6	68.2	56.0
July.....	96.0	86.8	76.6	72.7	96.0	83.3	64.7	56.0	89.0	83.9	74.6	76.0	91.7	83.3	63.3	56.0
August.....	95.0	86.5	76.4	72.7	93.6	82.1	63.2	56.0	85.6	81.8	72.6	76.0	87.6	80.3	60.7	56.0
September.....	94.8	86.1	77.1	72.7	93.6	81.4	63.1	56.0	92.0	86.6	77.8	76.0	92.4	83.5	64.6	56.0
October.....	94.2	85.2	77.8	72.7	92.9	79.9	63.9	56.0	95.5	89.8	81.3	76.0	95.1	84.6	67.1	56.0
November.....	92.8	84.1	77.6	72.7	91.0	79.7	63.3	56.0	98.4	90.9	81.7	76.0	96.8	85.4	66.9	56.0
December.....	92.0	83.7	77.0	72.7	91.3	77.8	62.6	56.0	115.1	106.2	95.2	76.0	107.7	94.1	73.6	56.0
Average.....	96.0	86.6	78.2	74.0	95.9	83.6	67.0	58.4	95.9	89.4	80.9	75.1	96.2	86.6	69.4	59.2
	Hotels								Canning and preserving							
January.....	100.4	95.0	83.2	73.8	100.3	91.0	73.9	55.7	46.1	48.9	35.0	34.1	50.3	46.1	31.8	24.8
February.....	102.4	96.8	84.3	73.8	103.8	93.7	73.9	55.9	45.7	48.3	37.1	35.1	51.5	48.6	32.7	25.9
March.....	102.4	96.8	84.0	72.4	104.4	93.4	72.4	53.5	49.7	53.0	36.3	33.2	50.8	50.3	31.9	24.2
April.....	100.1	95.9	82.7	71.9	100.3	89.9	69.6	51.7	74.8	59.6	47.0	49.2	72.6	57.1	37.9	33.5
May.....	98.0	92.5	80.1	72.7	98.4	87.7	67.0	56.0	65.7	56.0	40.5	40.5	66.9	56.0	36.0	36.0
June.....	98.0	91.6	78.0	72.7	98.1	85.4	63.8	56.0	83.0	70.6	55.5	56.0	81.5	58.6	40.5	36.0
July.....	101.3	93.3	78.4	72.7	99.8	85.2	61.8	56.0	126.3	102.2	73.0	76.0	112.7	74.2	47.5	36.0
August.....	101.5	92.8	77.6	72.7	98.6	83.8	59.6	56.0	185.7	142.9	99.0	99.0	172.0	104.7	65.6	36.0
September.....	100.1	90.6	77.0	72.7	97.1	81.9	59.1	56.0	246.6	180.1	125.3	125.3	214.8	129.4	75.1	36.0
October.....	97.5	87.4	75.4	72.7	95.5	79.7	58.6	56.0	164.7	108.1	81.1	81.1	140.0	77.6	51.8	36.0
November.....	95.2	84.9	74.3	72.7	93.6	77.1	57.5	56.0	96.7	60.8	50.5	50.5	82.9	48.1	34.4	36.0
December.....	93.5	83.1	73.2	72.7	91.5	75.4	56.6	56.0	61.6	40.7	33.7	33.7	57.4	36.9	25.6	36.0
Average.....	99.2	91.7	79.0	73.0	98.5	85.4	64.5	54.2	103.9	80.9	59.5	57.9	96.1	65.6	42.6	27.1
	Laundries						Dyeing and cleaning						Banks, brokerage, insurance, and real estate			
	Employment			Pay rolls			Employment			Pay rolls			Employment		Pay rolls	
	1931	1932	1933	1931	1932	1933	1931	1932	1933	1931	1932	1933	1932	1933	1932	1933
January.....	90.5	84.7	75.4	86.6	76.4	57.9	88.9	82.1	73.0	77.7	65.8	46.6	98.6	97.6	94.0	85.5
February.....	90.0	82.9	74.4	85.6	73.3	55.5	87.4	80.5	70.9	75.1	62.2	42.4	98.6	97.0	93.5	84.7
March.....	89.5	82.0	73.0	85.6	71.6	52.9	88.0	80.6	71.2	75.6	61.7	41.0	99.1	96.8	93.3	84.1
April.....	90.3	81.4	73.4	86.8	71.4	54.0	95.7	83.3	81.1	86.3	65.9	54.6	98.8	96.3	92.4	83.3
May.....	90.0	81.4	73.4	86.5	70.6	56.0	96.7	84.5	81.1	86.6	67.3	56.0	98.2	96.3	93.2	83.2
June.....	91.0	81.0	73.0	87.1	68.6	56.0	99.0	85.1	81.1	89.1	65.8	56.0	98.1	96.3	90.4	83.2
July.....	91.8	80.3	72.7	87.4	66.3	56.0	98.6	82.4	81.1	86.2	60.0	56.0	98.5	96.0	90.1	83.2
August.....	90.2	78.9	72.7	84.6	63.9	56.0	93.5	79.5	81.1	80.0	56.3	56.0	98.7	96.3	88.5	83.2
September.....	89.3	78.6	72.7	84.1	62.9	56.0	95.3	83.3	81.1	82.6	61.0	56.0	98.6	96.3	87.3	83.2
October.....	88.1	77.5	72.7	81.8	61.2	56.0	94.2	82.3	81.1	81.4	58.8	56.0	98.7	96.3	86.5	83.2
November.....	86.2	76.2	72.7	78.9	59.1	56.0	90.1	78.0	81.1	74.7	52.3	56.0	98.2	96.3	86.0	83.2
December.....	85.3	75.9	72.7	77.4	58.7	56.0	84.9	75.2	81.1	67.9	48.4	56.0	98.0	96.3	85.7	83.2
Average.....	89.4	80.1	74.1	84.4	67.0	55.1	92.7	81.4	74.1	80.3	60.5	46.2	98.5	96.9	90.1	84.4

¹ Average for 4 months.

Average Man-Hours Worked and Average Hourly Earnings

IN THE following tables the Bureau presents a tabulation of man-hours worked per week and average hourly earnings, based on reports supplied by identical establishments in March and April 1933, in 15 industrial groups and 74 separate manufacturing industries. Man-hour data for the building construction group and for the insurance, real-estate, banking, and brokerage groups are not available, and data for several of the 89 manufacturing industries surveyed monthly are omitted from these tables due to lack of adequate information.

The total number of establishments supplying man-hour data in these 15 industrial groups represents approximately 50 percent of the establishments supplying monthly employment data.

The tabulations are based on reports supplying actual man-hours worked and do not include nominal man-hour totals, obtained by multiplying the total number of employees in the establishment by the plant operating time.

Table 1 shows the average hours worked per employee per week and average hourly earnings in 15 industrial groups and for all groups combined. The average hours per week and average hourly earnings for the combined total of the 15 industrial groups are weighted averages, wherein the average man-hours and average hourly earnings in each industrial group are multiplied by the total number of employees in the group in the current month and the sum of these products divided by the total number of employees in the combined 15 industrial groups.

In presenting information for the separate manufacturing industries shown in table 2, data are published for only those industries in which the available man-hour information covers 20 percent or more of the total number of employees in the industry at the present time. The average man-hours and hourly earnings for the combined 89 manufacturing industries have been weighted in the same manner as the averages for all industrial groups combined, table 1.

TABLE 1.—AVERAGE HOURS WORKED PER WEEK PER EMPLOYEE AND AVERAGE HOURLY EARNINGS IN 15 INDUSTRIAL GROUPS, MARCH AND APRIL 1933

Industrial group	Average hours per week		Average hourly earnings	
	March 1933	April 1933	March 1933	April 1933
	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Manufacturing.....	36.5	38.0	43.2	42.8
Coal mining:				
Anthracite.....	30.9	25.1	83.0	81.4
Bituminous.....	26.3	24.0	46.1	45.8
Metalliferous mining.....	39.8	37.3	48.3	49.5
Quarrying and nonmetallic mining.....	34.4	36.4	40.4	38.4
Crude petroleum producing.....	45.8	44.7	64.6	61.3
Public utilities:				
Telephone and telegraph.....	37.4	36.4	70.8	69.8
Power and light.....	46.5	45.7	62.5	62.0
Electric-railroad and motor-bus operation and maintenance.....	45.6	45.3	58.6	58.0
Trade:				
Wholesale.....	47.0	46.6	54.6	54.6
Retail.....	44.8	44.7	41.6	41.1
Hotels.....	51.6	50.9	23.5	23.1
Canning and preserving.....	41.0	41.3	35.6	34.9
Laundries.....	41.6	41.9	33.1	33.6
Dyeing and cleaning.....	43.1	47.8	35.6	37.5
Total.....	40.3	40.8	45.0	44.6

Per capita weekly earnings, computed by multiplying the average man-hours worked per week by the average hourly earnings shown in the following table, are not identical with the per capita weekly earnings appearing elsewhere in this trend-of-employment compilation, which are obtained by dividing the total weekly earnings in all establishments reporting by the total number of employees in those establishments. As already noted, the basic information upon which the average weekly man-hours and average hourly earnings are computed covers approximately 50 percent of the establishments reporting monthly employment data.

TABLE 2.—AVERAGE HOURS WORKED PER WEEK PER EMPLOYEE AND AVERAGE HOURLY EARNINGS IN SELECTED MANUFACTURING INDUSTRIES, MARCH AND APRIL 1933

Industry	Average hours per week		Average hourly earnings	
	March 1933	April 1933	March 1933	April 1933
Food and kindred products:	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Baking	45.5	46.6	43.7	43.2
Beverages	37.2	44.5	60.7	64.0
Confectionery	38.3	37.6	32.8	32.9
Flour	47.1	49.7	42.5	41.1
Ice cream	48.5	50.1	50.2	50.7
Slaughtering and meat packing	42.4	45.6	44.4	43.2
Sugar, beet	47.1	44.2	57.5	56.1
Sugar refining, cane	48.3	53.7	46.5	45.1
Textiles and their products:				
Carpets and rugs	32.0	31.7	41.0	40.2
Cotton goods	43.9	45.0	21.4	21.4
Cotton small wares	40.0	39.4	33.8	33.5
Dyeing and finishing textiles	43.1	46.2	38.3	38.4
Knit goods	39.6	41.3	30.4	30.5
Silk and rayon goods	36.9	37.1	30.0	30.5
Woolen and worsted goods	36.8	41.2	35.0	33.7
Iron and steel and their products not including machinery:				
Bolts, nuts, washers, and rivets	27.3	28.2	43.8	44.5
Cast-iron pipe	30.2	25.9	48.7	49.3
Cutlery (not including silver and plated cutlery) and edge tools	27.9	37.1	51.1	44.1
Forgings, iron and steel	29.7	29.5	50.4	47.6
Hardware	28.8	29.3	43.2	42.8
Iron and steel	28.0	28.5	48.6	48.0
Plumbers' supplies	36.3	31.7	45.4	45.8
Steam and hot-water heating apparatus and steam fittings	30.0	30.9	50.6	49.7
Stoves	30.3	32.4	45.4	44.4
Structural and ornamental metalwork	28.4	30.9	43.7	42.5
Tools (not including edge tools, machine tools, files and saws)	29.6	28.9	44.5	44.5
Machinery, not including transportation equipment:				
Agricultural implements	28.6	29.5	47.9	47.6
Cash registers, adding machines, and calculating machines	32.5	35.1	66.4	67.0
Electrical machinery, apparatus, and supplies	28.0	30.9	57.8	56.1
Engines, turbines, tractors, and water wheels	32.1	32.8	56.1	56.2
Foundry and machine shop products	28.0	28.5	52.0	50.6
Machine tools	30.0	29.9	54.5	54.8
Radios and phonographs	32.0	39.6	41.0	39.7
Textile machinery and parts	27.2	26.6	55.0	55.4
Typewriters and supplies	29.6	29.5	45.9	44.3
Nonferrous metals and their parts:				
Aluminum manufactures	37.6	37.2	41.6	42.4
Brass, bronze, and copper products	30.2	31.5	48.1	47.1
Clocks and watches and time-recording devices	23.8	28.3	40.1	38.5
Jewelry	34.1	31.9	45.4	47.9
Silverware and plated ware	33.1	31.0	44.7	45.8
Smelting and refining—copper, lead, and zinc	30.2	33.0	48.1	46.9
Stamped and enameled ware	36.3	37.1	38.4	39.3
Transportation equipment:				
Aircraft	44.2	47.8	65.2	63.4
Automobiles	29.1	35.2	57.3	57.0
Locomotives	34.3	36.4	56.1	51.0
Shipbuilding	30.2	31.3	58.3	56.7
Railroad repair shops:				
Electric railroad	44.5	42.3	56.7	56.7
Steam railroad	34.7	35.5	63.4	63.3

TABLE 2.—AVERAGE HOURS WORKED PER WEEK PER EMPLOYEE AND AVERAGE HOURLY EARNINGS IN SELECTED MANUFACTURING INDUSTRIES, MARCH AND APRIL 1933

Industry	Average hours per week		Average hourly earnings	
	March 1933	April 1933	March 1933	April 1933
Lumber and allied products:	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Furniture.....	30.7	33.0	33.6	33.7
Lumber:				
Millwork.....	31.5	39.3	35.8	33.4
Sawmills.....	34.7	36.6	28.4	27.6
Stone, clay, and glass products:				
Brick, tile, and terra cotta.....	29.0	30.7	33.4	33.0
Cement.....	35.4	32.9	41.2	41.6
Glass.....	35.2	36.0	45.0	44.6
Marble, granite, slate, and other products.....	30.7	34.3	59.5	50.7
Pottery.....	34.9	35.3	40.4	38.4
Leather and its manufactures: Leather.....	42.3	40.7	39.4	38.4
Paper and printing:				
Boxes, paper.....	38.4	39.0	40.6	40.9
Paper and pulp.....	40.0	40.6	41.3	41.0
Printing and publishing:				
Book and job.....	36.4	35.5	66.8	66.6
Newspapers and periodicals.....	40.5	40.4	74.1	73.8
Chemicals and allied products:				
Chemicals.....	40.9	41.0	55.3	54.7
Cottonseed, oil, cake, and meal.....	56.4	53.6	16.6	16.9
Druggists' preparations.....	38.2	36.3	45.9	47.3
Explosives.....	34.3	31.3	56.1	58.5
Fertilizers.....	42.6	49.7	23.9	19.6
Paints and varnishes.....	37.2	42.1	50.7	49.2
Petroleum refining.....	39.7	39.1	63.0	63.0
Rayon and allied products.....	44.4	43.2	38.1	38.0
Soap.....	41.8	42.0	46.6	45.9
Rubber products:				
Rubber goods, other than boots, shoes, tires, and inner tubes.....	37.8	40.0	42.7	42.4
Rubber tires and inner tubes.....	24.3	30.0	58.8	58.4
Tobacco manufactures:				
Chewing and smoking tobacco and snuff.....	38.6	38.5	30.4	33.5
Cigars and cigarettes.....	36.1	35.5	33.1	32.2

Employment in Building Construction in April 1933

EMPLOYMENT in the building construction industry increased 10.1 percent in April as compared with March and pay rolls increased 8.0 percent over the month interval.

The percents of change of employment and pay-roll totals in April as compared with March are based on returns made by 10,211 firms employing in April 66,960 workers in the various trades in the building construction industry. These reports cover building operations in various localities in 34 States and the District of Columbia.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE BUILDING CONSTRUCTION INDUSTRY IN IDENTICAL FIRMS, MARCH AND APRIL 1933

Locality	Number of firms reporting	Number on pay roll		Percent of change	Amount of pay roll		Percent of change
		Mar. 15	Apr. 15		Mar. 15	Apr. 15	
Alabama, Birmingham.....	68	363	351	-3.3	\$4,795	\$3,997	-16.6
California:							
Los Angeles ¹	23	1,100	1,030	-6.4	22,567	21,281	-5.7
San Francisco-Oakland ¹	31	792	1,013	+27.9	17,695	23,801	+34.5
Other reporting localities ¹	18	577	804	+39.3	9,130	16,573	+81.5
Colorado, Denver.....	186	535	518	-3.2	10,079	9,238	-8.3
Connecticut:							
Bridgeport.....	118	322	446	+38.5	6,889	8,713	+26.5
Hartford.....	200	592	748	+26.4	13,327	16,560	+24.3
New Haven.....	166	808	946	+17.1	21,567	18,836	-12.7
Delaware, Wilmington.....	111	845	849	+5	15,640	16,091	+2.9
District of Columbia.....	523	7,079	7,670	+8.3	190,027	200,344	+5.4

¹ Data supplied by cooperating State bureaus.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE BUILDING CONSTRUCTION INDUSTRY IN IDENTICAL FIRMS, MARCH AND APRIL 1933—Continued

Locality	Number of firms reporting	Number on pay roll		Percent of change	Amount of pay roll		Percent of change
		Mar. 15	Apr. 15		Mar. 15	Apr. 15	
Florida:							
Jacksonville.....	49	329	332	+ .9	\$6,085	\$5,402	-11.2
Miami.....	75	367	409	+11.4	6,712	7,186	+7.1
Georgia, Atlanta.....	122	932	902	-3.2	13,812	13,861	+ .4
Illinois:							
Chicago ¹	131	1,214	1,414	+16.5	31,461	44,373	+41.0
Other reporting localities ¹	80	385	448	+16.4	6,698	8,454	+26.2
Indiana:							
Evansville.....	49	159	246	+54.7	2,514	3,684	+46.5
Fort Wayne.....	97	256	230	-10.2	3,398	2,929	-13.8
Indianapolis.....	161	655	851	+29.9	11,932	15,390	+29.0
South Bend.....	38	170	119	-30.0	3,171	2,062	-35.0
Iowa, Des Moines.....	103	359	357	- .6	6,546	5,871	-10.3
Kansas, Wichita.....	59	295	283	-4.1	4,023	4,114	+2.3
Kentucky, Louisville.....	117	506	634	+25.3	7,124	10,586	+48.6
Louisiana, New Orleans.....	125	1,282	1,226	-4.4	19,733	19,097	-3.2
Maine, Portland.....	95	285	296	+3.9	5,834	6,113	+4.8
Maryland, Baltimore ¹	110	630	701	+11.3	9,360	9,974	+6.6
Massachusetts: All reporting localities ¹	720	3,117	3,473	+11.4	70,787	75,734	+7.0
Michigan:							
Detroit.....	378	1,536	1,697	+10.5	28,146	32,551	+15.7
Flint.....	46	105	86	-18.1	1,387	1,252	-8.4
Grand Rapids.....	94	225	273	+21.3	3,424	3,864	+12.9
Minnesota:							
Duluth.....	53	256	260	+1.6	4,733	4,017	-15.1
Minneapolis.....	213	883	1,028	+16.4	17,035	19,580	+14.9
St. Paul.....	147	450	438	-2.7	6,667	8,218	+23.3
Missouri:							
Kansas City ²	235	1,151	1,182	+2.7	25,412	26,678	+5.0
St. Louis.....	444	2,064	2,174	+5.3	51,127	52,428	+2.5
Nebraska, Omaha.....	131	516	637	+23.4	9,013	10,029	+11.3
New York:							
New York City ¹	304	5,661	5,865	+3.6	201,414	195,180	-3.1
Other reporting localities ¹	185	3,144	3,647	+16.0	73,910	86,473	+17.0
North Carolina, Charlotte.....	37	208	204	-1.9	2,560	2,019	-21.1
Ohio:							
Akron.....	75	218	229	+5.0	2,588	2,946	+13.8
Cincinnati ³	464	2,068	2,342	+13.2	51,232	56,506	+10.5
Cleveland.....	514	1,589	2,117	+33.2	37,819	49,792	+31.7
Dayton.....	101	347	335	-3.5	5,733	5,331	-7.8
Youngstown.....	65	205	188	-8.3	2,926	2,613	-10.7
Oklahoma:							
Oklahoma City.....	78	293	290	-1.0	4,399	3,902	-11.3
Tulsa.....	49	196	221	+12.8	2,813	2,872	+2.1
Oregon, Portland.....	179	647	550	-15.0	10,952	10,138	-7.4
Pennsylvania: ⁴							
Erie area ¹	28	71	135	+90.1	1,097	1,842	+67.9
Philadelphia area ¹	539	4,174	4,292	+2.8	72,634	73,932	+1.8
Pittsburgh area ¹	271	1,273	1,460	+14.7	31,886	35,834	+12.4
Reading-Lebanon area ¹	59	192	241	+25.5	2,304	3,438	+49.2
Scranton area ¹	44	207	249	+20.3	4,389	5,805	+32.3
Other reporting areas ¹	338	1,887	1,970	+4.4	33,321	33,049	- .8
Rhode Island, Providence.....	214	813	1,048	+28.9	16,465	20,061	+21.8
Tennessee:							
Chattanooga.....	40	251	349	+39.0	4,463	5,448	+22.1
Knoxville.....	44	197	246	+24.9	2,046	2,794	+36.6
Memphis.....	88	261	293	+12.3	3,925	4,793	+22.1
Nashville.....	65	643	788	+22.6	7,853	10,387	+32.3
Texas:							
Dallas.....	156	894	847	-5.3	13,000	12,314	-5.3
El Paso.....	22	188	170	-9.6	2,058	1,699	-17.4
Houston.....	137	600	675	+12.5	8,174	9,582	+17.2
San Antonio.....	107	569	675	+18.6	8,453	7,828	-7.4
Utah, Salt Lake City.....	86	248	396	+59.7	3,947	5,397	+36.7
Virginia:							
Norfolk-Portsmouth.....	89	540	703	+30.2	8,256	9,965	+20.7
Richmond.....	137	676	761	+12.6	10,809	11,616	+7.5
Washington:							
Seattle.....	150	436	480	+10.1	8,055	8,305	+3.1
Spokane.....	50	133	185	+39.1	1,687	2,732	+61.9
Tacoma.....	75	114	107	-6.1	1,647	1,509	-8.4
West Virginia, Wheeling.....	45	88	127	+44.3	1,398	2,317	+65.7
Wisconsin, all reporting localities ¹	60	629	704	+11.9	11,395	12,116	+6.3
Total, all localities.....	10,211	60,800	66,960	+10.1	1,323,488	1,429,506	+8.0

¹ Data supplied by cooperating State bureaus.

² Includes both Kansas City, Mo., and Kansas City, Kans.

³ Includes Covington and Newport, Ky.

⁴ Each separate area includes from 2 to 8 counties.

Trend of Employment in April 1933 by States

IN THE following table are shown the fluctuations in employment and pay-roll totals in April 1933 as compared with March 1933 in certain industrial groups by States. These tabulations have been prepared from data secured directly from reporting establishments and from information supplied by cooperating State agencies. The combined total of all groups does not include building-construction data, information concerning which is published elsewhere in a separate tabulation by city and State totals. 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, and dyeing and cleaning groups is presented. In this State compilation, the totals of the telephone and telegraph, power and light, and electric-railroad operation groups have been combined and are presented as one group—public utilities. Due to the extreme seasonal fluctuations in the canning and preserving industry, and the fact that during certain months the activity in this industry in a number of States is negligible, data for this industry are not presented separately. The number of employees and the amount of weekly pay roll in March and April 1933 as reported by identical establishments in this industry are included, however, in the combined total of "All groups."

The percents of change shown in the accompanying table, unless otherwise noted, are unweighted percents of change; 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.

As the anthracite-mining industry is confined entirely to the State of Pennsylvania, the changes reported in this industry in table 1, nonmanufacturing industries, are the fluctuations in this industry by State totals.

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

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MARCH AND APRIL 1933 BY STATES

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

State	Total—all groups					Manufacturing				
	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change
Alabama.....	493	50,769	+3.5	\$501,011	+3.5	205	33,861	+5.4	\$318,586	+6.5
Arizona.....	380	8,138	+2.8	161,960	+3	58	2,053	+11.1	41,371	+7.7
Arkansas.....	<i>1,442</i>	<i>14,141</i>	+2.4	<i>187,816</i>	-6	<i>180</i>	<i>9,046</i>	+8.8	<i>108,089</i>	+6.7
California.....	<i>2,1,961</i>	<i>242,374</i>	+8.8	<i>5,472,722</i>	+4.3	<i>1,133</i>	<i>127,332</i>	+15.8	<i>2,632,977</i>	+9.5
Colorado.....	795	28,234	-2	558,225	-9	120	9,990	+7.7	184,209	+2.6
Connecticut.....	1,095	127,339	-2	2,064,919	-2.6	643	107,249	-2.6	1,547,735	-2.8
Delaware.....	137	8,996	-1	176,606	-2.0	51	6,424	-6	117,404	-1.4
Dist. of Columbia.....	633	30,246	+2.2	711,817	+1.3	57	3,481	-2	108,960	-3
Florida.....	599	25,133	-8.4	382,245	-6.9	131	12,437	-1.0	159,962	-2.8
Georgia.....	649	72,315	+3.3	839,574	+4.5	307	59,561	+4.1	580,786	+10.6
Idaho.....	206	5,979	(3)	96,490	-6.8	40	2,413	+2.9	36,126	+4.7
Illinois.....	<i>4,1,604</i>	<i>293,692</i>	+7	<i>6,070,693</i>	+2	<i>1,068</i>	<i>162,916</i>	+1.8	<i>2,733,118</i>	+8.8
Indiana.....	1,194	103,081	+8.4	1,825,901	+14.1	549	74,472	+9.1	1,300,780	+19.3
Iowa.....	1,172	39,403	-2.1	705,533	-1.1	432	20,979	-9	362,649	+3.9
Kansas.....	<i>5,1,629</i>	<i>58,338</i>	+7	<i>1,276,530</i>	+4.7	<i>420</i>	<i>23,847</i>	+7	<i>493,707</i>	+5.7
Kentucky.....	830	57,204	-6	792,858	-2.2	199	20,317	+5	310,843	+3.1
Louisiana.....	476	29,194	+3.8	414,230	+1.7	209	17,967	+4.5	221,512	+5.0
Maine.....	530	36,315	+2.2	562,346	+2.1	185	30,181	+2.4	436,365	+2.5
Maryland.....	<i>4,807</i>	<i>70,624</i>	+4.1	<i>1,259,594</i>	+2.8	<i>457</i>	<i>46,096</i>	+5.0	<i>758,887</i>	+4.3
Massachusetts.....	<i>7,8,104</i>	<i>321,146</i>	+2.1	<i>6,356,825</i>	+2.6	<i>1,109</i>	<i>161,304</i>	+4	<i>2,447,124</i>	+2.3
Michigan.....	1,486	216,810	-3.3	4,377,744	+4.8	370	163,268	-1.4	3,318,475	+14.8
Minnesota.....	1,037	57,421	+2.7	1,189,400	+3.4	265	26,692	+2.9	523,828	+8.8
Mississippi.....	373	7,631	-4.3	87,301	-8.8	68	4,006	-11.9	36,371	-12.2
Missouri.....	1,168	100,706	+1.0	1,947,991	+1.2	513	57,283	+1.4	1,011,890	+7.3
Montana.....	332	8,018	+2.4	181,334	-3.0	48	2,301	+8.6	45,273	+6.2
Nebraska.....	717	20,129	+1.2	418,800	+5	121	9,496	+2.8	188,751	+6.8
Nevada.....	146	1,911	+2.6	31,433	-7	25	292	+14.1	6,875	+12.6
New Hampshire.....	448	32,151	+6.9	461,393	+3.5	157	28,802	+8.0	352,783	+4.8
New Jersey.....	1,462	172,645	+3	3,707,001	+1.1	<i>8,679</i>	<i>146,222</i>	-1	<i>2,973,124</i>	+2.8
New Mexico.....	181	4,208	-3.8	65,363	-11.6	25	276	-4.8	5,570	-5.9
New York.....	7,594	487,400	+1.7	11,403,663	+2.6	<i>9,1,663</i>	<i>200,383</i>	+2.8	<i>6,104,096</i>	+4.3
North Carolina.....	872	99,861	+3.1	1,037,545	+4.4	525	95,189	+3.2	968,658	+5.8
North Dakota.....	320	3,774	+1.8	72,691	-1.0	59	962	+3.0	21,775	+7.4
Ohio.....	4,653	350,962	+3.3	6,219,855	+7.6	1,901	250,553	+2.9	4,251,992	+10.5
Oklahoma.....	697	24,339	-7	478,700	-1.9	128	9,040	+1.2	167,121	+3.1
Oregon.....	727	23,854	+3.4	442,918	+3.1	158	12,565	+4.8	193,180	+6.8
Pennsylvania.....	4,415	568,097	-3	9,628,544	-4.3	<i>1,766</i>	<i>295,728</i>	+3	<i>4,171,153</i>	+3.5
Rhode Island.....	908	52,049	+5	880,741	+1	262	40,216	-1	603,221	-3
South Carolina.....	309	51,285	+2.9	456,905	-3	174	47,720	+2.9	405,477	+1
South Dakota.....	230	5,058	+4	119,308	-3.0	46	1,833	-7	31,406	-4.0
Tennessee.....	735	57,140	+3.4	764,931	+5.3	268	41,367	+4.2	521,855	+10.1
Texas.....	<i>828</i>	<i>58,527</i>	+5	<i>1,073,760</i>	+3.2	<i>407</i>	<i>30,086</i>	+3.8	<i>487,019</i>	+9.3
Utah.....	331	11,223	-2.4	213,623	-10.9	72	2,875	+4	55,529	-1.1
Vermont.....	344	8,178	-7.1	140,640	-6.6	112	4,373	-9.5	70,488	-8.3
Virginia.....	1,291	78,129	+2.1	1,115,779	-1.5	427	54,059	+2.6	720,205	+ ⁽¹⁰⁾
Washington.....	1,117	45,607	+5.1	908,518	+2.0	258	21,485	+5.9	393,502	+9.7
West Virginia.....	786	85,078	-2	1,219,823	-1.7	173	31,154	+4.9	541,357	+12.1
Wisconsin.....	<i>11,075</i>	<i>120,465</i>	+8.5	<i>1,908,662</i>	+7.4	<i>795</i>	<i>93,189</i>	+2.1	<i>1,388,089</i>	+6.5
Wyoming.....	187	5,829	-3.3	120,134	-1.4	29	1,257	-1.3	32,510	-1.0

¹ Includes automobile dealers and garages, and sand, gravel, and building construction.² Includes banks, insurance, and office employment.³ No change.⁴ Includes building and contracting.⁵ Includes transportation, financial institutions, restaurants, and building construction.⁶ Weighted percent of change.⁷ Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional and transportation services.⁸ Includes laundries.⁹ Includes laundering and cleaning.¹⁰ Less than one tenth of 1 percent.¹¹ Includes construction, but does not include hotels and restaurants.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MARCH AND APRIL 1933 BY STATES—Continued

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

State	Wholesale trade					Retail trade				
	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change
Alabama.....	15	512	-1.5	\$13,499	-0.8	62	2,078	+12.9	\$30,059	+25.6
Arizona.....	19	168	-6	4,731	+3.9	181	1,587	+10.9	25,973	+7.6
Arkansas.....	15	407	+7.9	8,602	-8.0	133	1,375	-8.8	22,423	+3.2
California.....	100	5,188	-1.0	145,636	-9.9	124	25,351	+11.3	493,308	+13.1
Colorado.....	28	895	+2	23,550	-1	272	3,963	-9.8	76,645	+6.4
Connecticut.....	60	1,241	+1.0	33,660	-(10)	113	4,698	+9.5	89,411	+5.7
Delaware.....	8	108	-9	2,134	-6.0	11	188	+18.2	2,356	+14.8
Dist. of Columbia.....	28	340	(3)	10,194	-4.5	401	10,796	+7.0	217,141	+7.0
Florida.....	52	801	-1.4	19,752	-1.7	82	1,220	+2	22,185	-4.4
Georgia.....	30	360	(2)	9,597	-2.3	28	1,939	+2.9	30,827	+4.7
Idaho.....	8	111	-1.8	2,912	-5.3	68	641	-2.0	10,272	-6.5
Illinois.....	15	390	+4.8	21,439	+4.4	91	20,322	+7.2	390,228	+5.6
Indiana.....	60	1,053	-6	25,866	+8	161	5,758	+32.1	93,188	+30.4
Iowa.....	36	1,063	+2.3	24,788	-1.0	122	2,933	+7.2	47,888	+5.4
Kansas.....	68	1,730	(3)	40,430	-1.0	311	5,364	+4.6	86,019	-1.6
Kentucky.....	18	365	+3.7	7,962	+6.8	30	1,426	+9.6	19,879	+9.5
Louisiana.....	28	691	+1.3	14,698	-5.6	29	2,825	+9.5	39,398	+13.1
Maine.....	17	416	+2	9,866	+1.9	70	1,036	+7.2	18,347	+3.1
Maryland.....	35	737	-7	15,041	-3	55	5,535	+22.4	86,369	+22.2
Massachusetts.....	736	15,585	-3	355,529	+5	4,224	59,596	+5.4	1,198,195	+5.8
Michigan.....	62	1,477	-1.5	34,532	-5.4	155	10,081	+14.3	160,441	+11.0
Minnesota.....	58	3,813	+6	99,188	-4	281	7,534	+13.5	125,964	+8.9
Mississippi.....	5	113	-9	2,125	-3.1	51	430	+19.1	4,015	+5.4
Missouri.....	60	4,390	-1.2	106,335	-5.4	134	5,992	+8.4	112,446	+10.3
Montana.....	13	227	-1.3	6,210	+(10)	86	729	-1.8	15,399	-3.4
Nebraska.....	36	903	+3	23,781	-1.3	189	1,524	+1.9	28,243	-1.3
Nevada.....	7	79	+8.2	2,335	-7.0	42	253	+8.1	5,582	+4.4
New Hampshire.....	17	166	-1.2	4,395	-3.1	57	524	+2.1	9,354	-3.6
New Jersey.....	26	548	-1.1	16,312	-2.1	410	7,362	+4.6	156,772	+5.0
New Mexico.....	8	116	-2.5	3,839	-4.1	54	251	+4	5,454	-3.8
New York.....	408	10,476	-2	310,931	-1.6	3,982	69,290	+12.5	1,440,931	+13.4
North Carolina.....	17	230	-1.3	5,546	-6	171	508	+6.5	10,068	+4.4
North Dakota.....	16	208	(3)	5,640	-1.1	34	422	+18.9	6,319	+15.9
Ohio.....	237	4,842	+9	113,970	-2.9	1,353	30,830	+15.9	542,209	+19.2
Oklahoma.....	48	887	+1	22,040	-3.8	96	1,695	+11.4	28,084	+17.2
Oregon.....	54	1,189	+2	31,228	-1.7	213	2,073	+3.1	40,335	+9.9
Pennsylvania.....	127	3,372	-6	87,135	-2.9	336	25,969	+2.9	481,118	+6.8
Rhode Island.....	43	1,031	+3.6	22,688	-2.1	497	4,857	+4.0	97,781	+4.0
South Carolina.....	15	208	-5.9	4,430	-3.5	14	418	+13.6	3,943	+10.8
South Dakota.....	10	120	+8	3,304	-3.1	11	67	+11.7	968	-1
Tennessee.....	34	612	+2.0	12,674	+1.9	52	2,879	+13.1	40,023	+8.2
Texas.....	145	2,900	+1.6	72,556	-3	74	6,354	+8.2	106,854	+4.2
Utah.....	15	441	-2	10,283	-7.2	84	687	+7.5	13,175	+10.9
Vermont.....	5	106	+1.0	2,578	+1.4	38	411	+19.5	6,126	+4.1
Virginia.....	44	935	-1.2	21,317	-4.2	480	4,789	+8.7	84,034	+7.6
Washington.....	89	2,001	+2	49,845	-3.8	378	6,016	+14.9	112,211	+11.7
West Virginia.....	29	523	-1.1	13,470	-1.3	49	880	+15.6	13,846	+11.7
Wisconsin.....	46	1,662	-2.2	37,239	+2.1	54	9,096	+24.7	130,340	+18.1
Wyoming.....	8	55	(2)	1,542	-4.5	45	216	-9	5,141	+6

³ No change.

¹⁰ Less than one tenth of 1 percent.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MARCH AND APRIL 1933 BY STATES—Continued

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

State	Quarrying and nonmetallic mining					Metalliferous mining				
	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change
Alabama	8	399	-6.3	\$4,369	-0.7	9	624	+5.1	\$3,945	+7.3
Arizona						18	2,019	-1.4	43,924	-2.9
Arkansas	10	243	+34.3	2,460	+29.4					
California	44	1,115	+1.7	21,549	+5.8	31	2,329	+5	54,711	+1.9
Colorado						15	732	-3	19,042	+5.9
Connecticut	10	100	+96.1	1,298	+54.0					
Delaware										
Dist. of Columbia										
Florida	9	526	+3.3	6,191	+8.2					
Georgia	19	862	-3.7	7,625	-23.3					
Idaho						7	1,841	-2.8	30,258	-16.9
Illinois										
Indiana	38	827	+17.3	11,786	+26.5					
Iowa	15	171	+30.5	2,361	+47.8					
Kansas	19	816	-1.2	17,193	+10.8	11	347	-6	4,783	-5.3
Kentucky	27	702	+43.6	4,871	+15.3					
Louisiana	4	470	-1.5	4,102	-10.6					
Maine	7	147	+116.2	3,048	+80.0					
Maryland	14	336	+25.8	3,790	+3.2					
Massachusetts	14	274	+46.5	4,885	+46.9					
Michigan	21	767	+107.9	9,110	+74.7	35	4,070	-8.3	41,727	-7.9
Minnesota	5	96	-3.0	1,425	-10.2	32	671	+1.7	8,867	+5.3
Mississippi	4	54	-5.3	676	-8.5					
Missouri	14	228	+12.3	3,111	+17.8	13	958	-3.2	9,706	-50.6
Montana	5	18	+80.0	187	+88.9	17	1,493	+8.2	41,147	+8.0
Nebraska										
Nevada						17	141	-2.8	3,722	-3.0
New Hampshire	12	89	-37.8	1,485	-46.6					
New Jersey	3	25	-7.4	471	-9.1	3	6	(³)	152	-6.2
New Mexico						5	782	-1.1	12,883	-11.6
New York	43	1,345	+57.1	29,082	+92.4					
North Carolina	13	181	+2.8	1,581	+28.1					
North Dakota										
Ohio	67	1,594	+13.0	22,958	+22.7					
Oklahoma	4	60	(³)	672	+9.3	32	303	-32.5	4,646	-24.6
Oregon										
Pennsylvania	61	2,308	+22.1	24,761	+34.5	4	46	-2.1	866	-1.5
Rhode Island										
South Carolina	3	54	-1.8	458	-16.6					
South Dakota	5	19	+46.2	374	+125.3					
Tennessee	22	1,094	-2.8	13,461	+1.1	4	188	-2.1	2,178	-8.7
Texas	21	680	+103.7	12,545	+83.8					
Utah										
Vermont	37	1,760	-12.2	32,724	-10.1	11	1,980	-7	35,885	-4.8
Virginia	18	978	+17.3	8,165	+17.8					
Washington	8	107	-16.4	2,063	-26.9					
West Virginia	6	276	+2.6	2,666	-12.8					
Wisconsin	14	101	+24.7	1,237	+3.2					
Wyoming										

³No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MARCH AND APRIL 1933 BY STATES—Continued

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

State	Bituminous coal mining					Crude petroleum producing				
	Number of establishments	Number on pay roll, April 1933	Per cent of change	Amount of pay roll (1 week), April 1933	Per cent of change	Number of establishments	Number on pay roll, April 1933	Per cent of change	Amount of pay roll (1 week), April 1933	Per cent of change
Alabama.....	57	9,553	-2.6	\$73,208	-8.6					
Arizona.....										
Arkansas.....	6	286	(³)	4,138	(³)	9	372	+2.5	\$8,626	+1.2
California.....						41	6,616	-1.0	195,373	-3.2
Colorado.....	55	4,038	-15.1	57,171	-13.8					
Connecticut.....										
Delaware.....										
Dist. of Columbia.....										
Florida.....										
Georgia.....										
Idaho.....										
Illinois.....	30	5,674	-14.9	94,277	-11.3					
Indiana.....	42	4,532	-2.4	73,387	-14.5	5	32	+3.2	563	-5.4
Iowa.....	27	1,766	-33.1	21,125	-43.9					
Kansas.....	22	1,637	-3.8	18,122	-9.6					
Kentucky.....	168	23,976	-3.8	235,469	-9.0	5	217	-10.0	3,042	-13.8
Louisiana.....						9	128	(³)	2,538	-18.6
Maine.....										
Maryland.....	14	1,430	+6	7,548	-35.4					
Massachusetts.....										
Michigan.....	3	31	-96.3	531	-96.7					
Minnesota.....										
Mississippi.....										
Missouri.....	22	1,711	-12.7	18,798	-23.2					
Montana.....	11	719	-12.1	12,468	-33.7	4	29	-12.1	709	-17.7
Nebraska.....										
Nevada.....										
New Hampshire.....										
New Jersey.....										
New Mexico.....	14	1,771	-7.3	20,847	-21.0	4	24	-25.0	749	-11.2
New York.....						4	88	-3.3	2,431	-1.9
North Carolina.....										
North Dakota.....	5	408	-9.7	4,771	-29.4					
Ohio.....	78	10,611	-1.9	106,822	-17.1	6	44	-6.4	595	-11.5
Oklahoma.....	18	272	-58.2	4,378	-30.4	59	4,430	+2.2	105,042	-6.0
Oregon.....										
Pennsylvania.....	454	55,131	-4.9	556,208	-8.4	24	615	(³)	13,576	-7.7
Rhode Island.....										
South Carolina.....										
South Dakota.....										
Tennessee.....	20	2,629	-3.3	20,660	-18.8					
Texas.....	5	295	+3	5,430	+2.6	3	7,126	+6	247,667	+2.2
Utah.....	18	1,742	-19.2	29,377	-44.0					
Vermont.....										
Virginia.....	34	7,921	-4.0	81,099	-11.6					
Washington.....	10	1,345	+4.7	16,163	-41.9					
West Virginia.....	332	44,577	-3.6	480,563	-12.9	7	312	+2.0	7,780	+6.2
Wisconsin.....										
Wyoming.....	33	3,505	-4.9	64,312	+(¹⁰)		132	(³)	3,455	-6.3

³ No change.¹⁰ Less than one tenth of 1 percent.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MARCH AND APRIL 1933 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 payroll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change	Number of establishments	Number on payroll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change
Alabama.....	89	1,723	-6	\$34,029	-4.6	23	1,063	+1.2	\$8,814	+1.7
Arizona.....	67	1,169	-2.8	29,326	-7.0	25	704	-10.0	10,193	-8.1
Arkansas.....	<i>52</i>	<i>1,589</i>	<i>-9.4</i>	<i>36,572</i>	<i>-6.2</i>	<i>16</i>	<i>766</i>	<i>+2.1</i>	<i>6,815</i>	<i>-2.7</i>
California.....	<i>50</i>	<i>45,818</i>	<i>-8</i>	<i>1,211,055</i>	<i>-4.5</i>	<i>183</i>	<i>8,988</i>	<i>-8</i>	<i>137,070</i>	<i>-1.6</i>
Colorado.....	196	5,256	+5	129,803	-3.8	47	1,313	+1.0	16,945	-3.3
Connecticut.....	145	9,696	-2	282,470	-5.4	29	1,100	+8	14,368	+2.3
Delaware.....	28	1,075	-7	29,480	-8.0	6	246	-8	2,901	+2.3
Dist. of Columbia.....	22	7,766	-1.4	225,236	-1.2	52	3,949	+1.8	58,520	-2.2
Florida.....	186	4,150	-1.0	113,090	-4.6	96	2,881	-34.8	28,166	-37.7
Georgia.....	186	6,470	-6	171,820	-9.2	30	1,655	-1.7	14,230	-3.1
Idaho.....	56	644	+8	12,857	-6.3	24	295	-2.0	3,388	-17.6
Illinois.....	<i>68</i>	<i>62,301</i>	<i>-2.8</i>	<i>1,631,985</i>	<i>-6.9</i>	<i>12</i>	<i>7,225</i>	<i>-2</i>	<i>110,459</i>	<i>+1.9</i>
Indiana.....	147	9,194	-1.4	214,238	-1.3	82	3,013	+3.7	29,629	+1.1
Iowa.....	433	9,209	-7	203,540	-3.3	70	2,249	-4	18,616	-4.7
Kansas.....	27	6,780	+9	155,525	+3.5	52	718	-8	7,493	+3.4
Kentucky.....	296	6,555	-3	147,835	-4.7	35	1,480	+3.1	14,959	+1.9
Louisiana.....	153	4,127	+6	89,678	-3.6	22	1,824	(3)	19,271	-6
Maine.....	170	2,757	+1	72,889	-3.9	21	648	-1.5	8,169	+5
Maryland.....	93	<i>12,292</i>	<i>+(10)</i>	<i>331,688</i>	<i>-2.7</i>	<i>23</i>	<i>1,199</i>	<i>+6.0</i>	<i>13,357</i>	<i>+4</i>
Massachusetts.....	<i>13</i>	<i>185</i>	<i>-5</i>	<i>1,213,357</i>	<i>-5</i>	<i>86</i>	<i>5,041</i>	<i>-1.8</i>	<i>68,229</i>	<i>+(10)</i>
Michigan.....	412	20,866	-2.4	566,223	-4.1	96	4,019	-2.2	41,633	-5.8
Minnesota.....	230	11,901	-3	304,463	-1.2	75	2,977	+1.3	34,072	-3.4
Mississippi.....	213	1,980	+6.5	35,484	-8.8	18	472	-2.1	3,834	+3.5
Missouri.....	212	20,571	-4	518,804	-6.2	88	4,482	+9	51,691	-2.5
Montana.....	101	1,769	-1.2	49,002	-8.7	30	399	+4.2	5,223	+1.5
Nebraska.....	299	5,463	-1.0	134,888	-6.1	43	1,485	-2.8	14,892	-7.1
Nevada.....	38	368	+8	9,750	-1	12	121	-18.2	2,065	-19.4
New Hampshire.....	143	2,039	+8	56,276	+2	13	227	-13.4	2,763	-4.0
New Jersey.....	276	21,699	-6	595,736	-6.7	70	3,994	+5.7	45,092	-6
New Mexico.....	50	481	+1.9	9,865	-4.1	15	297	-3	3,074	-2.0
New York.....	884	101,602	-1.1	3,064,805	-2.2	259	28,505	-8	429,419	-4.2
North Carolina.....	96	1,696	-3.8	33,195	-7.3	37	1,301	+1.6	11,149	-8.6
North Dakota.....	171	1,150	+9	26,827	-2.4	22	361	+1.4	3,579	-9.0
Ohio.....	494	31,633	-1.0	786,275	-3.6	153	8,743	+4.3	102,982	+3.2
Oklahoma.....	246	5,786	-7	124,608	-5.7	52	1,094	-2	10,992	-5.6
Oregon.....	183	5,669	+6	138,974	-2.1	64	1,083	-4	13,476	-3.2
Pennsylvania.....	248	63,650	-6	1,648,405	-4.1	175	9,080	-6	110,615	-3.2
Rhode Island.....	43	3,264	-1	89,635	-2.0	15	361	+4.3	4,714	+6.7
South Carolina.....	71	1,761	+4.6	34,902	-2.8	17	469	-14.4	3,394	-22.1
South Dakota.....	129	894	-1.2	23,022	-8.3	20	316	+2.6	3,613	+4.2
Tennessee.....	251	4,552	(3)	98,104	-6.2	40	2,065	-1.3	17,315	-5.2
Texas.....	<i>131</i>	<i>6,243</i>	<i>+3.3</i>	<i>167,278</i>	<i>+1.3</i>	<i>45</i>	<i>3,158</i>	<i>+1.8</i>	<i>39,937</i>	<i>+6.0</i>
Utah.....	68	1,638	+3	34,393	-5.9	12	421	-1.2	5,279	+7
Vermont.....	121	984	+1.2	23,146	-6	22	440	+5	4,419	-3.1
Virginia.....	179	5,568	-1.1	130,252	-8.2	33	1,639	+4.7	17,795	+1.8
Washington.....	200	9,504	+4	242,660	-5.7	84	2,227	+1.0	24,989	-2.2
West Virginia.....	123	5,563	-1.4	139,717	-6.2	41	1,062	-8	11,281	-6.1
Wisconsin.....	<i>14</i>	<i>10,130</i>	<i>-1.8</i>	<i>269,785</i>	<i>-3.5</i>	<i>12</i>	<i>1,265</i>	<i>+6.2</i>	<i>(16)</i>	<i>-----</i>
Wyoming.....	48	402	-1.2	9,295	-7.0	12	146	-2.7	1,844	-21.1

³ No change.¹⁰ Less than one tenth of 1 percent¹² Includes restaurants.¹³ Includes steam railroads.¹⁴ Includes railways and express.¹⁵ Data not supplied.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN MARCH AND APRIL 1933, BY STATES—Continued

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

State	Laundries					Dyeing and cleaning				
	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change
Alabama	5	452	+0.4	\$3,397	+8.3					
Arizona	9	395	(³)	5,589	+3.1					
Arkansas	17	418	+ .9	3,808	+2.7					
California	¹⁰ 73	5,030	+2.5	87,903	+6.1					
Colorado	9	586	- .8	7,646	-2.0	10	149	+15.5	\$2,609	+15.4
Connecticut	25	1,076	+ .7	16,807	+ .4	11	221	+10.0	4,584	+32.0
Delaware	4	289	-1.7	4,335	+1.6	4	45	+9.8	650	+17.1
Dist. of Columbia	16	2,245	-1.2	33,927	+ .6	5	111	+14.4	2,005	+10.3
Florida	9	443	+1.1	4,421	-3.1	3	43	+4.9	576	+ .7
Georgia	11	586	+ .7	5,031	-1.2	4	102	(³)	1,006	-5.5
Idaho										
Illinois	¹⁰ 26	1,461	+1.0	18,666	+ .5					
Indiana	18	1,375	+1.5	17,272	+3.3	12	213	+25.3	3,570	+48.2
Iowa	3	206	+2.0	2,738	+2.0					
Kansas	¹⁰ 38	837	+1.6	10,340	+3.7					
Kentucky	16	723	+1.3	8,907	+2.9	5	228	+9.1	3,288	+16.7
Louisiana										
Maine	20	389	+1.3	4,937	- .5	9	454	+12.1	6,066	+51.4
Maryland	26	1,789	+1.7	25,719	- .5	76	1,808	+25.6	23,673	+45.7
Massachusetts	114	3,673	- (¹⁰)	56,187	-1.7					
Michigan	23	1,554	(³)	18,507	+3.2	16	629	+14.6	11,507	+54.4
Minnesota	14	888	+ .3	10,566	+5.3	11	337	+21.7	5,879	+36.2
Mississippi	6	300	+1.2	2,477	-4.4					
Missouri	31	2,205	+ .8	29,454	+1.5	12	417	+10.3	7,196	+18.9
Montana	13	290	+1.0	4,918	+4.0					
Nebraska	6	493	+ .8	6,538	-1.8	4	104	+9.5	1,873	+20.1
Nevada	4	50	(³)	905	+4.0					
New Hampshire	17	282	+ .4	3,979	+ .8					
New Jersey	27	2,831	- .5	54,365	+1.4	7	227	+4.6	5,947	+23.7
New Mexico	5	204	(³)	2,945	-1.4					
New York	73	6,762	- .2	108,729	+ .6	15	510	+14.9	10,626	+35.8
North Carolina	12	731	+3.2	7,198	+1.0					
North Dakota	12	233	-1.3	3,437	-3.8					
Ohio	76	4,002	- .8	56,638	+5.6	36	1,605	+16.6	28,803	+50.7
Oklahoma	7	605	+2.4	7,345	+5.6	2	69	-6.8	761	-5.1
Oregon	4	297	(³)	4,240	+2.8	3	44	+18.9	860	+26.3
Pennsylvania	42	3,650	- .7	42,816	+ .5	19	1,078	+11.7	19,270	+35.5
Rhode Island	18	1,050	- .3	16,632	+4.2	4	257	+34.6	4,550	+47.4
South Carolina	7	240	+3.4	2,160	+2.1					
South Dakota	7	128	(³)	1,584	-3.0					
Tennessee	10	727	+2.8	5,866	+2.6	3	40	+21.2	491	+1.0
Texas	21	950	- .5	9,817	- .7	12	390	+6.8	5,682	+7.2
Utah	7	501	(³)	6,943	+ .3	7	138	+9.4	2,360	+19.1
Vermont	6	73	+2.7	725	+1.0					
Virginia	9	545	+1.2	5,867	+1.5	18	219	+7.9	3,060	+17.9
Washington	13	602	+1.0	11,206	+1.9	6	145	+6.9	2,609	+22.0
West Virginia	17	582	- .5	6,804	+1.4	11	146	+ .7	2,263	+25.8
Wisconsin	¹⁰ 28	944	+3.8	11,873	+13.5					
Wyoming										

³ No change.

¹⁰ Less than one tenth of 1 percent.

¹⁶ Includes dyeing and cleaning.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL ESTABLISHMENTS** IN MARCH AND APRIL 1933 BY STATES—Continued

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

State	Banks, brokerage, insurance, and real estate				
	Number of establishments	Number on pay roll, April 1933	Percent of change	Amount of pay roll (1 week), April 1933	Percent of change
Alabama.....	17	358	-4.3	\$9,738	-9.2
Arizona.....					
Arkansas.....					
California.....					
Colorado.....	25	1,054	-5	35,629	-2.5
Connecticut.....	58	1,947	-4	74,360	-2.1
Delaware.....	13	435	(³)	15,518	+2
District of Columbia.....	42	1,319	+1	49,719	-1.4
Florida.....	14	289	-7	11,025	-4
Georgia.....	24	548	-1.4	17,401	-3.0
Idaho.....					
Illinois.....	65	4,561	+4	185,957	-1.0
Indiana.....	36	1,088	-2.6	37,839	+1
Iowa.....	17	420	-3.9	16,191	-3.8
Kansas.....	52	775	+3	23,450	-3.1
Kentucky.....	24	908	+2.1	31,718	-2.2
Louisiana.....	11	803	(³)	20,922	-13.7
Maine.....					
Maryland.....	12	415	-5	20,027	+1.5
Massachusetts.....	17 <i>360</i>	<i>8,659</i>	<i>-1.0</i>	<i>242,427</i>	<i>-2.0</i>
Michigan.....	101	1,937	-9.1	76,347	-9.6
Minnesota.....	43	2,329	-10.8	70,515	-13.7
Mississippi.....					
Missouri.....	60	2,186	+1	74,031	-3
Montana.....					
Nebraska.....	13	508	(³)	18,134	-1.0
Nevada.....					
New Hampshire.....					
New Jersey.....	62	10,955	-3	323,693	-1.3
New Mexico.....					
New York.....	481	41,741	-1	1,556,270	-1
North Carolina.....					
North Dakota.....					
Ohio.....	193	5,635	-9.3	188,272	-8.2
Oklahoma.....					
Oregon.....	16	399	(³)	13,908	+3.5
Pennsylvania.....	774	23,775	-3	759,998	-1.2
Rhode Island.....	24	980	-1.1	40,741	-2.8
South Carolina.....					
South Dakota.....					
Tennessee.....	24	892	+2	30,609	-2.3
Texas.....					
Utah.....	12	375	-5	14,158	-1.0
Vermont.....					
Virginia.....	43	1,294	-3.5	42,364	-5.8
Washington.....	24	1,084	+5	37,543	-1.5
West Virginia.....					
Wisconsin.....	7	235	-1.7	9,565	+5
Wyoming.....					

³ No change.¹⁷ Includes miscellaneous office employees.

Employment and Pay Rolls in April 1933 in Cities of Over 500,000 Population

IN THE following table are presented the fluctuations in employment and pay-roll totals in April 1933 as compared with March 1933 in 13 cities of the United States having a population of 500,000 or over. These changes are computed from reports received from identical establishments in each of the months considered.

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

FLUCTUATIONS IN EMPLOYMENT AND PAY ROLLS IN APRIL 1933 AS COMPARED WITH MARCH 1933

Cities	Number of establishments reporting in both months	Number on pay roll		Percent of change	Amount of pay roll (1 week)		Percent of change
		March 1933	April 1933		March 1933	April 1933	
New York City.....	4, 839	298, 801	303, 814	+1. 7	\$7, 831, 734	\$7, 994, 526	+2. 1
Chicago, Ill.....	1, 823	186, 349	187, 755	+ . 8	4, 264, 944	4, 244, 989	- . 5
Philadelphia, Pa.....	815	125, 903	126, 726	+ . 7	2, 706, 602	2, 666, 351	-1. 5
Detroit, Mich.....	523	142, 737	138, 905	-2. 7	2, 789, 078	2, 996, 592	+7. 4
Los Angeles, Calif.....	872	59, 975	64, 543	+7. 6	1, 336, 242	1, 442, 406	+7. 9
Cleveland, Ohio.....	1, 087	78, 491	82, 233	+4. 8	1, 416, 104	1, 573, 777	+11. 1
St. Louis, Mo.....	489	60, 726	61, 532	+1. 3	1, 202, 607	1, 231, 536	+2. 4
Baltimore, Md.....	557	42, 348	45, 012	+6. 3	798, 482	830, 879	+4. 1
Boston, Mass.....	2, 972	82, 578	83, 918	+1. 6	1, 912, 293	1, 953, 288	+2. 1
Pittsburgh, Pa.....	388	46, 777	47, 647	+1. 9	896, 320	908, 104	+1. 3
San Francisco, Calif.....	1, 170	45, 884	47, 143	+2. 7	1, 077, 142	1, 099, 207	+2. 0
Buffalo, N. Y.....	360	31, 526	32, 642	+3. 5	628, 847	665, 438	+5. 8
Milwaukee, Wis.....	460	35, 965	37, 938	+5. 5	653, 980	711, 219	+8. 8

Employment in the Executive Civil Service of the United States, April 1933

THE number of employees in the executive civil service of the United States was 5,707 less in April 1933 than in April 1932. Comparing April 1933 with March 1933 there was an increase of 1,742.

These figures do not include the legislative, judicial, or Army and Navy services. The information as shown in the table was compiled by the various Federal departments and offices and sent to the United States Civil Service Commission, where it was assembled. The data was tabulated by the Bureau of Labor Statistics and published here by courtesy of the Civil Service Commission and in compliance with the direction of Congress. No information has as yet been collected relative to amounts of pay rolls. Information is presented for the District of Columbia, for the Government service outside of the District of Columbia, and for the service as a whole.

Approximately 12 percent of the total number of Federal employees are employed in the District of Columbia. Comparing April 1933 with April 1932, there was a decrease of 4.0 percent in the number of permanent employees in the District of Columbia. Temporary employees increased 9.4 percent during this period. This increase

was due to the creation of a number of independent bureaus and establishments—such as the Crop Production Loan Office, etc., since April 1932. There was a decrease of 2,323, or 3.3 percent in the total number of Government employees in the District of Columbia.

Comparing April 1933 with March 1933, there was a decrease of three tenths of 1 percent in the number of permanent employees and a decrease of 7.4 percent in the number of temporary employees in the District of Columbia.

The number of permanent employees outside of the District of Columbia decreased 0.2 percent and the number of temporary employees outside of the District increased 10.8 percent.

EMPLOYEES IN THE EXECUTIVE CIVIL SERVICE OF THE UNITED STATES
APRIL 1932 AND MARCH AND APRIL 1933¹

Item	District of Columbia			Outside the District			Entire service		
	Perma- nent	Tempo- rary ²	Total	Perma- nent	Tempo- rary ²	Total	Perma- nent	Tempo- rary ²	Total
Number of employees:									
April, 1932.....	66, 194	3, 192	69, 386	477, 889	27, 160	505, 049	544, 063	30, 352	574, 435
March 1933.....	63, 786	3, 771	67, 557	468, 659	30, 770	499, 429	532, 445	34, 541	566, 986
April 1933.....	63, 571	3, 492	67, 063	467, 373	34, 092	501, 665	531, 144	37, 584	568, 728
Gain or loss:									
April 1932-April 1933....	-2, 623	+300	-2, 323	-10, 316	+6, 932	-3, 384	-12, 939	+7, 232	-5, 707
March 1933-April 1933....	-215	-279	-494	-1, 086	+3, 322	+2, 236	-1, 301	+3, 043	+1, 742
Percent of change:									
April 1932-April 1933....	-4.0	+9.4	-3.3	-2.2	+25.5	-0.7	-2.4	+23.8	-1.0
March 1933-April 1933....	-0.3	-7.4	-0.7	-0.2	+10.8	+0.4	-0.2	+8.8	+0.3
Labor turnover, April 1933:									
Additions.....	84	169	253	1, 649	13, 447	15, 096	1, 733	13, 616	15, 349
Separations.....	299	448	747	2, 735	10, 125	12, 860	3, 034	10, 573	13, 607
Turnover rate per 100....	0.13	4.65	0.38	0.35	31.22	2.57	0.33	29.32	2.40

¹ Certain revisions have been made from time to time by the Civil Service Commission in dropping certain classes of employees, previously carried in the tabulations. Thus, in the District of Columbia, 68 mail contractors and special-delivery messengers were eliminated in May 1932, and in the Service outside the District of Columbia, 835 collaborators were eliminated from Department of Agriculture in June 1932. In the table, in order to make the figures comparable for the months shown, it was assumed the number of these employees was the same in 1932 as they were in the month they were dropped (actual figures not being available from the Civil Service Commission), and the data for this month has been revised accordingly in this table.

² Not including the field service of the Post Office Department.

Employment on Class I Steam Railroads in the United States

DATA are not yet available concerning railroad employment for April 1933. Reports of the Interstate Commerce Commission for class I railroads show that the number of employees (exclusive of executives and officials) decreased from 929,054 on February 15, 1933, to 907,472 on March 15, 1933, or 2.3 percent; the amount of pay roll increased from \$101,507,304 in February to \$105,371,091 in March, or 3.8 percent.

The monthly trend of employment from January 1923 to March 1933 on class I railroads—that is, all roads having operating revenues of \$1,000,000 or over—is shown by index numbers published in the following table. These index numbers are constructed from monthly reports of the Interstate Commerce Commission, using the 12-month average for 1926 as 100.

TABLE 1.—INDEXES OF EMPLOYMENT ON CLASS I STEAM RAILROADS IN THE UNITED STATES, JANUARY 1923 TO MARCH 1933

[12-month average, 1926=100]

Month	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
January.....	98.3	96.6	95.6	95.8	95.5	89.3	88.2	86.3	73.7	61.2	53.0
February.....	98.6	97.0	95.4	96.0	95.3	89.0	88.9	85.4	72.7	60.3	52.7
March.....	100.5	97.4	95.2	96.7	95.8	89.9	90.1	85.5	72.9	60.5	51.5
April.....	102.0	98.9	96.6	98.9	97.4	91.7	92.2	87.0	73.5	60.0	-----
May.....	105.0	99.2	97.8	100.2	99.4	94.5	94.9	88.6	73.9	59.7	-----
June.....	107.1	98.0	98.6	101.6	100.9	95.9	96.1	86.5	72.8	57.8	-----
July.....	108.2	98.1	99.4	102.9	101.0	95.6	96.6	84.7	72.4	56.4	-----
August.....	109.4	99.0	99.7	102.7	99.5	95.7	97.4	83.7	71.2	55.0	-----
September.....	107.8	99.7	99.9	102.8	99.1	95.3	96.8	82.2	69.3	55.8	-----
October.....	107.3	100.8	100.7	103.4	98.9	96.3	96.9	80.4	67.7	57.0	-----
November.....	105.2	99.0	99.1	101.2	95.7	92.9	93.0	77.0	64.5	55.9	-----
December.....	99.4	96.0	97.1	98.2	91.9	89.7	88.8	74.9	62.6	54.8	-----
Average.....	104.1	98.3	97.9	100.0	97.5	92.9	93.3	83.5	70.6	57.9	1 52.4

1 Average for 3 months.

Wage-Rate Changes in American Industries

Manufacturing Industries

IN THE following table is presented information concerning wage-rate adjustments occurring between March 15, and April 15, 1933, as shown by reports received from manufacturing establishments supplying employment data to this Bureau. Of the 17,954 manufacturing establishments included in the April survey, 17,578 establishments, or 97.9 percent of the total, reported no change in wage rates over the month interval. The 2,459,255 employees not affected by changes in wage rates constituted 97.7 percent of the total number of employees covered by the April trend-of-employment survey of manufacturing industries.

Decreases in wage rates were reported by 370 establishments in 64 of the 89 industries surveyed. These establishments represented 2.1 percent of the total number of establishments covered. The wage-rate decreases reported averaged 11.3 percent and affected 56,470 employees, or 2.2 percent of all employees in the establishments reporting.

Increases were reported in 5 industries in April averaging 9.6 percent and affecting 541 employees in the establishments concerned.

TABLE 1.—WAGE-RATE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING APRIL 15, 1933

Industry	Estab-lish-ments report-ing	Total number of em-ployees	Number of establish-ments reporting—			Number of employees having—		
			No wage changes	Wage in-creases	Wage de-creases	No wage changes	Wage in-creases	Wage de-creases
All manufacturing industries.....	17,954	2,516,266	17,578	6	370	2,459,255	541	56,470
Percent of total.....	100.0	100.0	97.9	(¹)	2.1	97.7	(¹)	2.2
Food and kindred products:								
Baking.....	979	62,545	963	1	15	61,566	56	923
Beverages.....	330	16,504	327	2	1	16,320	174	10
Butter.....	305	5,440	300		5	5,409		31
Confectionery.....	316	32,432	308	1	7	31,683	120	729
Flour.....	419	15,614	411		8	15,230		384
Ice cream.....	396	11,183	391		5	10,919		264
Slaughtering and meat pack- ing.....	248	84,620	242	1	5	83,481	59	1,080
Sugar, beet.....	55	3,190	55			3,190		
Sugar refining, cane.....	14	7,752	14			7,752		
Textiles and their products:								
Fabrics:								
Carpets and rugs.....	29	11,551	27		2	11,476		75
Cotton goods.....	664	225,146	640		24	216,428		8,718
Cotton small wares.....	112	8,617	112			8,617		
Dyeing and finishing textiles.....	150	33,537	144		6	28,521		5,016
Hats, fur-felt.....	34	4,963	34			4,963		
Knit goods.....	448	99,549	438		10	97,837		1,712
Silk and rayon goods.....	238	38,855	233		5	38,637		218
Woolen and worsted goods.....	242	47,778	234		8	46,957		1,691
Wearing apparel:								
Clothing, men's.....	379	58,562	372		7	57,648		914
Clothing, women's.....	445	28,278	441		4	28,204		74
Corsets and allied gar- ments.....	31	5,377	31			5,377		
Men's furnishings.....	64	5,317	63		1	5,305		12
Millinery.....	122	10,074	122			10,074		
Shirts and collars.....	109	12,598	107		2	12,465		133
Iron and steel and their products, not including machinery:								
Bolts, nuts, washers, and rivets.....	67	7,841	67			7,841		
Cast-iron pipe.....	41	4,661	40		1	4,583		78
Cutlery (not including silver and plated cutlery), and edge tools.....	131	8,053	130		1	8,043		10
Forgings, iron and steel.....	64	4,943	61		3	4,711		232
Hardware.....	106	19,859	101		5	18,986		873
Iron and steel.....	202	172,455	202			172,455		
Plumbers' supplies.....	70	5,986	69		1	5,933		53
Steam and hot-water heating apparatus and steam fit- tings.....	97	12,686	95		2	12,498		188
Stoves.....	159	14,742	157		2	14,697		45
Structural and ornamental metal work.....	197	13,320	192		5	13,196		124
Tin cans and other tinware.....	60	8,226	59		1	8,210		16
Tools (not including edge tools, machine tools, files, and saws).....	126	6,226	125		1	6,219		7
Wirework.....	68	4,761	67		1	4,758		3
Machinery, not including trans- portation equipment:								
Agricultural implements.....	76	6,783	74		2	6,655		128
Cash registers, adding ma- chines, and calculating ma- chines.....	38	12,175	36		2	12,123		52
Electrical machinery, appa- ratus, and supplies.....	297	95,174	281		16	82,815		12,359
Engines, turbines, tractors, and waterwheels.....	88	14,344	85		3	14,142		202
Foundry and machine shop products.....	1,052	91,575	1,019		33	86,955		4,620
Machine tools.....	145	9,289	144		1	9,259		30
Radios and phonographs.....	42	17,377	41		1	17,186		191
Textile machinery and parts.....	48	6,301	46		2	6,176		125
Typewriters and supplies.....	16	7,695	14		2	7,681		14

¹ Less than one tenth of 1 percent.

TABLE 1.—WAGE-RATE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING APRIL 15, 1933—Continued

Industry	Establishments reporting	Total number of employees	Number of establishments reporting—			Number of employees having—		
			No wage changes	Wage increases	Wage decreases	No wage changes	Wage increases	Wage decreases
Nonferrous metals and their parts:								
Aluminum manufactures.....	25	4,854	25			4,854		
Brass, bronze, and copper products.....	206	25,064	197		9	24,510		554
Clocks and watches and time-recording devices.....	27	6,296	26		1	6,256		40
Jewelry.....	138	6,802	135		3	6,601		201
Lighting equipment.....	52	2,461	52			2,461		
Silverware and plated ware.....	50	6,797	50			6,797		
Smelting and refining—copper, lead, and zinc.....	31	8,145	31			8,145		
Stamped and enamelled ware.....	88	11,972	86		2	11,801		171
Transportation equipment:								
Aircraft.....	28	6,477	28			6,477		
Automobiles.....	240	169,695	236		4	169,482		213
Cars, electric and steam railroad.....	40	4,750	40			4,750		
Locomotives.....	10	1,389	10			1,389		
Shipbuilding.....	93	20,539	93			20,539		
Railroad repair shops:								
Electric railroad.....	394	20,310	381		13	19,843		467
Steam railroad.....	544	69,266	541		3	69,254		12
Lumber and allied products:								
Furniture.....	432	36,146	426		6	35,665		481
Lumber:								
Millwork.....	458	15,744	445		13	15,157		587
Sawmills.....	601	52,417	586		15	49,741		2,676
Turpentine and rosin.....	27	1,226	25		2	848		378
Stone, clay and glass products:								
Brick, tile, and terra cotta.....	664	14,481	652		12	14,187		294
Cement.....	120	12,284	114		6	10,961		1,323
Glass.....	188	34,977	184		4	34,006		971
Marble, granite, slate, and other products.....	212	3,756	207		5	3,700		56
Pottery.....	106	12,831	104		2	12,799		32
Leather and its manufactures:								
Boots and shoes.....	326	106,746	322	1	3	106,211	132	403
Leather.....	154	22,915	152		2	22,619		296
Paper and printing:								
Boxes, paper.....	311	19,043	305		6	18,635		408
Paper and pulp.....	396	74,623	390		6	72,804		1,819
Printing and publishing:								
Book and job.....	752	42,412	740		12	41,894		518
Newspapers and periodicals.....	468	67,838	448		20	66,458		1,380
Chemicals and allied products:								
Chemicals.....	115	20,362	109		6	19,958		404
Cottonseed, oil, cake, and meal.....	91	2,467	91			2,467		
Druggists' preparations.....	43	6,198	43			6,198		
Explosives.....	29	3,288	29			3,288		
Fertilizers.....	199	15,621	199			15,621		
Paints and varnishes.....	342	13,094	337		5	12,974		120
Petroleum refining.....	129	48,467	129			48,467		
Rayon and allied products.....	23	26,044	22		1	25,747		297
Soap.....	92	11,852	90		2	11,815		37
Rubber products:								
Rubber boots and shoes.....	8	8,299	8			8,299		
Rubber goods, other than boots, shoes, tires, and inner tubes.....	100	18,061	100			18,061		
Rubber tires and inner tubes.....	41	40,598	41			40,598		
Tobacco manufactures:								
Chewing and smoking tobacco and snuff.....	33	9,536	33			9,536		
Cigars and cigarettes.....	209	36,169	202		7	35,171		998

Nonmanufacturing Industries

DATA concerning wage-rate changes occurring between March 15 and April 15, 1933, in 15 groups of nonmanufacturing industries are presented in the following table.

No changes in wage rates were reported in the anthracite mining and dyeing and cleaning groups. Decreases in wage rates were reported in the remaining 13 industries and increases were reported in 2 industries over the month interval. The average percents of decrease in rates reported in each of the several groups were as follows: Laundries, 9.6 percent; electric-railroad and motor-bus operation and power and light, 9.7 percent each; telephone and telegraph, 10 percent; crude-petroleum producing, and banks, brokerage, insurance, and real estate, 11.7 percent each; quarrying and nonmetallic mining, 12.4 percent; wholesale trade, 12.6 percent; bituminous coal mining and retail trade, 15.4 percent each; hotels, 15.7 percent; metalliferous mining, 18.9 percent; and canning and preserving, 23.9 percent. Increases averaging 8.8 percent in wholesale trade and 10.2 percent in hotels were reported over the month interval.

TABLE 2.—WAGE-RATE CHANGES IN NONMANUFACTURING INDUSTRIES DURING MONTH ENDING APRIL 15, 1933

Industrial group	Establishments reporting	Total number of employees	Number of establishments reporting—			Number of employees having—		
			No wage changes	Wage increases	Wage decreases	No wage changes	Wage increases	Wage decreases
Anthracite mining.....	160	70,625	160	-----	-----	70,625	-----	-----
Percent of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Bituminous coal mining.....	1,490	186,221	1,448	-----	42	176,792	-----	9,429
Percent of total.....	100.0	100.0	97.2	-----	2.8	94.9	-----	5.1
Metalliferous mining.....	275	19,756	273	-----	2	19,299	-----	457
Percent of total.....	100.0	100.0	99.3	-----	.7	97.7	-----	2.3
Quarrying and nonmetallic mining.....	652	19,116	636	-----	16	18,860	-----	256
Percent of total.....	100.0	100.0	97.5	-----	2.5	98.7	-----	1.3
Crude petroleum producing.....	264	23,604	259	-----	5	23,505	-----	99
Percent of total.....	100.0	100.0	98.1	-----	1.9	99.6	-----	.4
Telephone and telegraph.....	7,855	260,498	7,821	-----	34	259,820	-----	678
Percent of total.....	100.0	100.0	99.6	-----	.4	99.7	-----	.3
Power and light.....	3,288	203,948	3,157	-----	131	201,012	-----	2,936
Percent of total.....	100.0	100.0	96.0	-----	4.0	98.6	-----	1.4
Electric-railroad and motor-bus operation and maintenance.....	577	133,476	512	-----	65	172,650	-----	5,826
Percent of total.....	100.0	100.0	88.7	-----	11.3	95.6	-----	4.4
Wholesale trade.....	2,951	73,591	2,915	-----	3	72,910	-----	661
Percent of total.....	100.0	100.0	98.8	-----	1.1	99.1	(1)	.9
Retail trade.....	17,296	358,516	17,243	-----	53	356,959	-----	1,557
Percent of total.....	100.0	100.0	99.7	-----	.3	99.6	-----	.4
Hotels.....	2,630	130,546	2,606	-----	3	129,642	-----	630
Percent of total.....	100.0	100.0	99.1	-----	.1	99.3	-----	.5
Canning and preserving.....	835	44,266	830	-----	5	42,919	-----	1,347
Percent of total.....	100.0	100.0	99.4	-----	.6	97.0	-----	3.0
Laundries.....	959	54,254	948	-----	11	53,465	-----	789
Percent of total.....	100.0	100.0	98.9	-----	1.1	98.5	-----	1.5
Dyeing and cleaning.....	324	10,582	324	-----	-----	10,582	-----	-----
Percent of total.....	100.0	100.0	100.0	-----	-----	100.0	-----	-----
Banks, brokerage, insurance, and real estate.....	3,382	129,877	3,337	-----	45	128,515	-----	1,362
Percent of total.....	100.0	100.0	98.7	-----	1.3	99.0	-----	1.0

¹ Less than one tenth of 1 percent.

