

UNITED STATES DEPARTMENT OF LABOR

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BUREAU OF LABOR STATISTICS

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TREND OF EMPLOYMENT

MARCH 1933



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TREND OF EMPLOYMENT

March 1933

THE Bureau of Labor Statistics of the United States Department of Labor presents in the following tables data compiled from pay-roll 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 March 1933

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

EMPLOYMENT in manufacturing industries decreased 4.2 percent in March 1933 as compared with February 1933 and pay-roll totals decreased 8.2 percent over the month interval. Comparing March 1933 with March 1932, decreases of 14.6 percent in employment and 30.7 percent in pay rolls are shown over the 12-month period.

The decreases in employment and pay rolls between February and March 1933 can be attributed very largely to the bank holiday which caused a general curtailment of manufacturing activities during the early part of March. A slightly off-setting influence in these general decreases was reflected in the increase in employment and pay rolls in the beverage industry, in anticipation of beer legislation.

The percents of change in employment and pay-roll totals in March 1933 as compared with February 1933 are based on returns made by 18,107 establishments in 89 of the principal manufacturing industries in the United States, having in March 2,471,792 employees, whose combined earnings in one week were \$38,921,474.

The index of employment in March 1933 was 55.1 as compared with 57.5 in February 1933, 56.6 in January 1933, and 64.5 in March 1932; the pay-roll index in March 1933 was 33.4 as compared with 36.4 in February 1933, 35.8 in January 1933, and 48.2 in March 1932.

In table 1, which follows, are shown the number of identical establishments reporting in both February and March 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 March 15, the amount of their weekly earnings in March, the percents of change over the month and year intervals, and the indexes of employment and pay roll in March 1933.

(1)

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 two 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 MARCH 1933, WITH FEBRUARY 1933, AND MARCH 1932

Industry	Estab-lish-ments reporting in both February and March 1933	Employment		Pay-roll totals			Index num-bers March 1933 (average 1926=100)		
		Number on pay roll March 1933	Percent of change		Amount of pay roll (1 week) March 1933	Percent of change		Em-ploy-ment	Pay-roll totals
			Febru-ary to March 1933	March 1932 to March 1933		Febru-ary to March 1933	March 1932 to March 1933		
Food and kindred products.	3,107	229,849	-1.3	-4.7	\$4,436,981	-3.3	-18.5	76.4	58.1
Baking.....	982	61,322	- .8	-8.5	1,295,157	-2.9	-20.4	76.4	60.3
Beverages.....	344	10,688	+17.5	+5.4	251,022	+17.5	-5.0	76.2	58.4
Butter.....	311	5,196	- .1	-5.1	109,765	- .8	-19.6	88.9	68.3
Confectionery.....	324	31,431	-6.3	- .7	374,000	-14.9	-24.6	70.7	44.7
Flour.....	424	15,458	- .7	-5.1	308,044	-1.6	-14.5	80.5	60.9
Ice cream.....	405	10,947	+ .2	-9.4	270,463	-1.2	-26.8	61.9	46.0
Slaughtering and meat packing.....	248	84,225	-2.5	-4.0	1,570,875	-6.8	-17.9	82.5	61.4
Sugar, beet.....	55	2,880	-27.8	+33.6	68,137	-10.5	+6.4	35.4	30.1
Sugar refining, cane.....	14	7,702	+ .7	-2.6	189,518	+12.6	-6.7	74.6	65.0
Textiles and their products.	3,108	585,735	-6.4	-8.0	6,737,316	-14.8	-29.5	67.5	39.0
Fabrics.	1,898	459,528	-7.7	-7.2	5,121,366	-16.4	-27.1	67.9	40.4
Carpets and rugs.....	31	9,367	-3.7	-23.4	129,551	+1.3	-38.0	47.8	25.6
Cotton goods.....	680	226,338	-3.2	-4.0	2,159,424	-8.3	-22.8	72.0	44.0
Cotton small wares.....	114	8,773	-6.2	-13.6	115,828	-15.5	-31.4	74.8	48.0
Dyeing and finishing textiles.....	148	32,562	-3.7	-12.2	546,270	-12.9	-31.8	75.3	49.4
Knit goods.....	442	96,759	-3.2	-5.4	1,118,180	-8.1	-26.4	77.2	46.0
Silk and rayon goods.....	237	39,385	-14.0	-11.6	445,969	-19.3	-23.6	51.3	29.5
Woolen and worsted goods.....	246	46,344	-23.5	-9.9	606,144	-37.9	-33.5	59.9	35.5
Wearing apparel.	1,210	126,207	-2.6	-9.6	1,615,950	-11.2	-33.9	66.8	36.4
Clothing, men's.....	378	58,852	-2.4	-6.6	746,851	-8.7	-24.7	66.5	35.7
Clothing, women's.....	456	26,318	-3.5	-13.5	392,295	-15.2	-42.2	67.0	35.8
Corsets and allied garments.....	32	5,606	- .2	-5.3	69,681	-15.6	-28.5	102.4	68.1
Hats, fur-felt.....	35	5,191	-3.4	-4.0	81,119	-10.0	-19.5	64.3	33.4
Men's furnishings.....	70	6,814	-4.7	-8.8	67,399	-4.7	-36.9	60.3	32.2
Millinery.....	127	9,030	-3.0	-17.2	120,655	-13.3	-44.3	69.8	37.5
Shirts and collars.....	112	14,396	- .6	-4.0	137,950	+ .5	-15.6	57.9	34.7
Iron and steel and their products, not including machinery.	1,382	263,399	-4.3	-19.5	3,490,086	-8.2	-36.1	49.1	22.5
Bolts, nuts, washers, and rivets.....	68	7,613	-3.1	-12.9	102,916	-13.9	-33.9	59.2	28.1
Cast-iron pipe.....	41	3,793	-17.4	-49.1	52,357	-1.5	-56.7	19.4	11.0
Cutlery (not including silver and plated cutlery) and edge tools.....	128	7,629	-8.7	-27.6	99,724	-28.9	-51.5	54.2	26.7
Forgings, iron and steel.....	62	4,834	-2.5	-26.0	65,459	-8.3	-42.9	50.1	22.8
Hardware.....	106	19,682	-4.1	-18.4	230,881	-10.7	-40.5	47.0	20.7
Iron and steel.....	196	156,035	-5.6	-18.7	1,986,393	-9.8	-35.1	50.1	21.3
Plumbers' supplies.....	69	6,574	+7.9	-10.2	102,175	+25.6	-17.1	58.8	32.5

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

Industry	Estab-lishments reporting in both Febru-ary and March 1933	Employment			Pay-roll totals			Index num-bers March 1933 (average 1926=100)	
		Number on pay roll March 1933	Percent of change		Amount of pay roll (1 week) March 1933	Percent of change		Em-ploy-ment	Pay-roll totals
			Febru-ary to March 1933	March 1932 to March 1933		Febru-ary 1933 to March 1933	March 1932 to March 1933		
Iron and steel—Continued.									
Steam and hot water heat- ing apparatus and steam- fittings.....	98	11,456	-12.3	-30.0	\$171,746	-12.4	-38.5	30.5	16.0
Stoves.....	161	13,690	-2.6	-18.5	208,133	-6.3	-29.1	41.9	21.7
Structural and ornamental metalwork.....	198	13,246	+1.6	-30.4	177,454	-8	-50.0	37.8	17.2
Tin cans and other tinware.....	59	7,895	-2.7	-6.8	138,825	-3.4	-17.8	68.4	38.4
Tools (not including edge tools, machine tools, files, and saws).....	128	6,214	-5.9	-23.9	85,346	-11.3	-42.6	55.7	27.2
Wirework.....	68	4,738	-1.8	-10.9	68,677	-11.1	-36.3	87.4	52.1
Machinery, not including transportation equip- ment.	1,813	256,370	-3.4	-27.0	4,301,751	-8.7	-41.7	42.4	23.2
Agricultural implements.....	77	7,139	-3.6	-29.4	103,674	-11.9	-44.1	28.8	19.0
Cash registers, adding machines, and calculating machines.....	40	12,050	-1.6	-18.3	260,350	-4.0	-24.8	61.5	41.0
Electrical machinery, ap- paratus and supplies.....	291	93,738	-2.3	-34.6	1,750,482	-4.7	-45.7	45.3	28.9
Engines, turbines, tractors, and water wheels.....	91	14,494	-5.2	-26.3	274,170	-7.5	-32.7	37.9	22.8
Foundry and machine shop products.....	1,068	90,044	-3.6	-23.3	1,296,455	-10.2	-41.4	40.8	19.4
Machine tools.....	143	9,133	-11.9	-38.8	151,798	-20.5	-50.2	27.3	15.0
Radios and phonographs.....	41	15,615	-1.5	-4.8	260,316	-7.7	-17.8	61.0	42.0
Textile machinery and parts.....	46	6,508	-3.4	-19.5	98,944	-10.8	-42.3	53.2	29.2
Typewriters and supplies.....	16	7,649	-3.2	-27.2	105,562	-7.6	-40.0	52.0	27.5
Nonferrous metals and their parts.	627	71,082	-4.1	-19.6	1,048,097	-7.6	-34.8	48.7	28.1
Aluminum manufactures.....	25	4,808	-5	-14.2	75,058	-3.5	-13.9	47.6	28.5
Brass, bronze, and copper products.....	210	24,766	-5.5	-22.8	369,093	-8.2	-39.4	46.0	24.3
Clocks and watches and time-recording devices.....	26	6,030	-8.0	-32.9	61,822	-25.8	-49.8	34.9	16.6
Jewelry.....	141	6,709	-4.5	-23.3	106,675	-9.5	-40.1	33.2	19.1
Lighting equipment.....	53	2,371	-7.9	-25.4	37,477	-13.1	-39.3	55.7	35.1
Silverware and plated ware.....	52	7,041	-1.3	-10.2	110,453	-1.6	-32.8	58.0	31.3
Smelting and refining— copper, lead, and zinc.....	31	8,115	+1.2	-15.3	126,397	-4.6	-27.2	56.6	33.4
Stamped and enameled ware.....	89	11,242	-7.6	-16.7	161,122	-11.6	-35.8	55.9	31.7
Transportation equipment.	414	304,010	-10.3	-31.3	3,636,479	-14.1	-46.3	43.5	26.3
Aircraft.....	28	5,964	+5.7	-14.6	173,951	+5.2	-15.8	196.4	197.4
Automobiles.....	240	169,571	-11.7	-31.1	2,912,945	-16.2	-47.3	44.9	26.3
Cars, electric and steam railroad.....	39	4,573	-2	-24.6	74,208	+2.1	-37.8	17.2	9.2
Locomotive.....	11	1,449	-12.3	-50.0	26,686	-14.2	-64.3	10.3	6.5
Shipbuilding.....	96	22,453	-5.4	-34.8	448,689	-8.9	-46.3	57.8	39.6
Railroad repair shops.	945	93,474	-6	-10.5	2,071,693	-3.1	-18.9	47.0	34.8
Electric railroad.....	397	19,864	-1.0	-9.8	507,406	-7	-20.8	64.4	52.1
Steam railroad.....	548	73,610	-3	-10.4	1,564,287	-3.3	-18.5	45.7	33.5
Lumber and allied products.	1,527	103,293	-4.5	-20.4	1,089,900	-11.1	-40.2	31.9	14.4
Furniture.....	442	36,721	-7.4	-23.0	387,522	-20.9	-46.8	39.9	16.7
Lumber, millwork.....	452	14,699	-8.1	-29.0	170,253	-12.8	-45.0	28.7	13.8
Lumber, sawmills.....	608	50,744	-2.7	-17.8	516,923	-4.1	-35.7	29.0	12.8
Turpentine and rosin.....	25	1,129	+2.6	-6.9	15,202	+4.1	-5.6	42.0	33.4
Stone, clay and glass prod- ucts.	1,310	75,266	+1.1	-22.9	1,137,445	-5	-37.7	37.1	20.7
Brick, tile, and terra cotta.....	669	13,282	-7	-34.6	133,019	-6.9	-49.3	19.3	7.2
Cement.....	124	10,467	+9	-30.4	163,919	+2.9	-46.1	30.0	15.3
Glass.....	191	33,632	+2.2	-12.8	562,135	-1.4	-26.4	56.6	37.4
Marble, granite, slate, and other products.....	214	4,354	+2.0	-28.6	82,417	+5.2	-44.2	37.4	22.5
Pottery.....	112	13,531	-8	-17.6	195,955	-1.8	-37.2	57.0	30.4

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		Number on pay roll March 1933	Percent of change		Amount of pay roll (1 week) March 1933	Percent of change		Em-ploy-ment	Pay-roll totals		
			Feb-ruary to March 1933	March 1932 to March 1933		Feb-ruary 1933 to March 1933	March 1932 to March 1933				
Leather and its manufac-tures	480	129,406	- 9	- 5.5	1,845,575	- 6.0	-24.4	75.8	45.5		
Boots and shoes.....	328	106,349	- 6	- 6.4	1,441,507	- 5.5	-27.1	77.3	44.4		
Leather.....	152	23,057	-2.7	- 1.4	404,068	- 6.8	-14.2	69.7	49.5		
Paper and printing	1,927	198,995	- 1.7	- 8.8	4,593,660	- 3.9	-23.1	76.8	58.8		
Boxes, paper.....	319	19,997	+1.0	- 6.0	314,186	- 4.4	-22.0	68.9	51.4		
Paper and pulp.....	408	75,108	- 1	- 6.8	1,260,293	- 2.7	-25.9	72.5	45.2		
Printing and publishing:											
Book and job.....	745	42,312	-4.9	-15.7	1,042,822	- 5.5	-27.8	67.5	51.9		
Newspapers and peri-odicals.....	455	61,578	- 1.0	- 5.2	1,886,359	- 3.0	-18.4	95.8	77.8		
Chemicals and allied prod-ucts	1,069	145,898	- 1	- 4.4	3,062,098	- 2.0	-16.1	76.4	58.5		
Chemicals.....	112	20,550	- 4	- 2.8	464,414	- 2.0	-15.1	86.4	60.2		
Cottonseed, oil, cake, and meal.....	86	3,462	-5.5	-17.4	32,845	- 3.1	-27.2	38.4	33.0		
Druggists' preparations.....	44	7,245	- 9	-12.3	141,588	- 5.0	-16.6	69.8	66.5		
Explosives.....	28	3,202	- 7	- 2.8	58,987	+1.5	-15.4	75.7	47.7		
Fertilizers.....	201	9,078	+19.0	+ 5.5	95,984	+11.3	-15.0	67.4	36.3		
Paints and varnishes.....	355	12,760	- 1.5	-14.7	244,135	- 8.0	-33.1	63.3	43.5		
Petroleum refining.....	131	47,800	+ 2	- 3.7	1,276,681	+ 5	-11.5	62.8	53.2		
Rayon and allied products.....	23	27,777	-4.8	- 1.2	455,058	- 5.4	-14.0	142.0	114.5		
Soap.....	89	14,024	- 1.5	- 3.2	292,406	- 2.2	-14.7	93.7	76.3		
Rubber products	149	67,069	- 3.8	-12.1	1,027,317	-12.5	-35.3	60.2	32.2		
Rubber boots and shoes.....	8	8,232	-7.9	-24.2	112,014	-21.4	-38.2	45.3	26.8		
Rubber goods, other than boots, shoes, tires, and inner tubes.....	97	17,785	- 2.8	- 4.3	273,564	-10.7	-23.5	79.7	46.1		
Rubber tires and inner tubes.....	44	41,043	- 3.3	-12.9	641,739	-11.1	-39.8	56.7	28.7		
Tobacco manufactures	249	47,955	- 9.2	-17.9	533,076	-10.3	-30.8	59.5	38.4		
Chewing and smoking to-bacco and snuff.....	34	9,960	- 3.5	- 2.8	116,463	- 7.7	-16.9	86.4	60.3		
Cigars and cigarettes.....	215	37,995	-10.0	-20.3	416,613	-10.8	-33.1	56.1	35.7		
Total, 89 industries	13,107	2,471,792	- 4.2	-14.6	38,921,474	- 8.2	-30.7	55.1	33.4		

Per Capita Earnings in Manufacturing Industries

PER capita weekly earnings in March 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 March 1933 as compared with February 1933 and March 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 MARCH 1933 AND COMPARISON WITH FEBRUARY 1933 AND MARCH 1932

Industry	Per capita weekly earnings in March 1933	Percent of change compared with—	
		February 1933	March 1932
Food and kindred products:			
Baking.....	\$21.12	-2.0	-13.3
Beverages.....	23.49	+1	-10.0
Butter.....	21.12	-8	-15.2
Confectionery.....	11.90	-9.2	-24.1
Flour.....	19.93	-8	-9.9
Ice cream.....	24.71	-1.3	-18.8
Slaughtering and meat packing.....	18.65	-4.5	-14.7
Sugar, beet.....	23.66	+23.9	-20.4
Sugar refining, cane.....	24.61	+11.9	-4.1
Textiles and their products:			
Fabrics:			
Carpets and rugs.....	13.83	+5.1	-19.5
Cotton goods.....	9.54	-5.4	-19.7
Cotton small wares.....	13.20	-10.0	-20.6
Dyeing and finishing textiles.....	16.78	-9.5	-22.1
Knit goods.....	11.56	-5.1	-22.1
Silk and rayon goods.....	11.32	-6.2	-13.2
Woolen and worsted goods.....	13.08	-18.9	-26.2
Wearing apparel:			
Clothing, men's.....	12.69	-6.5	-19.7
Clothing, women's.....	14.91	-12.1	-33.3
Corsets and allied garments.....	12.43	-15.4	-24.4
Hats, fur-felt.....	15.63	-6.8	-16.1
Men's furnishings.....	9.89	+1	-31.1
Millinery.....	13.36	-10.6	-32.6
Shirts and collars.....	9.58	+1.2	-11.7
Iron and steel and their products, not including machinery:			
Bolts, nuts, washers, and rivets.....	13.52	-11.0	-24.2
Cast-iron pipe.....	13.80	+19.3	-14.5
Cutlery (not including silver and plated cutlery) and edge tools.....	13.07	-22.2	-32.9
Forgings, iron and steel.....	13.54	-6.0	-22.7
Hardware.....	11.73	-6.9	-26.7
Iron and steel.....	12.73	-4.5	-20.5
Plumbers' supplies.....	15.54	+16.4	-7.6
Steam and hot-water heating apparatus and steam fittings.....	14.99	-1	-12.2
Stoves.....	15.20	-3.9	-13.2
Structural and ornamental metal work.....	13.40	-2.4	-28.1
Tin cans and other tinware.....	17.58	-7	-11.8
Tools (not including edge tools, machine tools, files, and saws).....	13.73	-5.8	-24.6
Wirework.....	14.49	-9.6	-28.7
Machinery, not including transportation equipment:			
Agricultural implements.....	14.52	-8.6	-20.7
Cash registers, adding machines, and calculating machines.....	21.61	-2.3	-7.9
Electrical machinery, apparatus, and supplies.....	18.67	-2.4	-16.5
Engines, turbines, tractors, and water wheels.....	18.92	-2.4	-8.8
Foundry and machine-shop products.....	14.40	-6.9	-23.6
Machine tools.....	16.62	-9.8	-18.8
Radios and phonographs.....	16.67	-6.3	-13.3
Textile machinery and parts.....	15.20	-7.7	-28.3
Typewriters and supplies.....	13.80	-4.6	-17.6
Nonferrous metals and their parts:			
Aluminum manufactures.....	15.61	-3.0	+4
Brass, bronze, and copper products.....	14.90	-2.9	-21.5
Clocks and watches and time-recording devices.....	10.25	-19.4	-25.7
Jewelry.....	15.90	-5.2	-21.7
Lighting equipment.....	15.81	-5.7	-18.5
Silverware and plated ware.....	15.69	-7	-25.3
Smelting and refining—copper, lead, and zinc.....	15.58	-5.7	-14.1
Stamped and enameled ware.....	14.33	-4.3	-23.1
Transportation equipment:			
Aircraft.....	29.17	-5	-1.5
Automobiles.....	17.18	-5.0	-23.5
Cars, electric and steam railroad.....	16.23	+2.3	-17.8
Locomotives.....	18.42	-2.2	-28.8
Shipbuilding.....	19.98	-3.8	-17.6
Railroad repair shops:			
Electric railroad.....	25.54	+3	-12.0
Steam railroad.....	21.25	-3.0	-9.2
Lumber and allied products:			
Furniture.....	10.55	-14.6	-30.8
Lumber:			
Millwork.....	11.58	-5.2	-22.9
Sawmills.....	10.19	-1.5	-22.3
Turpentine and rosin.....	13.47	+1.4	+1.0

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

Industry	Per capita weekly earnings in March 1933	Percent of change compared with—	
		February 1933	March 1932
Stone, clay, and glass products:			
Brick, tile, and terra cotta.....	\$10.01	-6.3	-22.1
Cement.....	15.66	+2.0	-22.4
Glass.....	16.71	-3.6	-16.0
Marble, granite, slate, and other products.....	18.93	+3.1	-22.0
Pottery.....	14.48	-1.1	-23.6
Leather and its manufactures:			
Boots and shoes.....	13.55	-4.9	-22.0
Leather.....	17.52	-4.3	-13.0
Paper and printing:			
Boxes, paper.....	15.71	-5.4	-17.1
Paper and pulp.....	16.78	-2.6	-20.4
Printing and publishing:			
Book and job.....	24.65	-5	-14.3
Newspapers and periodicals.....	30.63	-2.1	-14.1
Chemicals and allied products:			
Chemicals.....	22.60	-1.6	-12.6
Cottonseed, oil, cake, and meal.....	9.49	+2.6	-11.9
Druggists' preparations.....	19.54	-4.1	-5.0
Explosives.....	13.42	+2.2	-12.8
Fertilizers.....	10.57	-6.5	-19.1
Paints and varnishes.....	19.13	-6.6	-21.5
Petroleum refining.....	26.71	+3	-8.1
Rayon and allied products.....	16.38	-7	-13.3
Soap.....	20.85	-8	-12.0
Rubber products:			
Rubber boots and shoes.....	13.61	-14.7	-18.6
Rubber goods, other than boots, shoes, tires, and inner tubes.....	15.38	-8.1	-20.0
Rubber tires and inner tubes.....	15.64	-8.0	-30.9
Tobacco manufactures:			
Chewing and smoking tobacco and snuff.....	11.69	-4.4	-14.6
Cigars and cigarettes.....	10.96	-9	-16.0
Total, 89 industries.....	15.75	¹ -4.3	¹ -18.9

¹ 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 March 1933, together with average indexes for each of the years from 1926 to 1932, and for the 3-month period, January to March 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, and March.

TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES, JANUARY 1926 TO MARCH 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	-----	101.5	100.8	93.8	104.6	90.7	68.5	44.7	-----
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	56.4	100.0	96.5	94.5	100.5	81.3	61.5	41.6	35.2

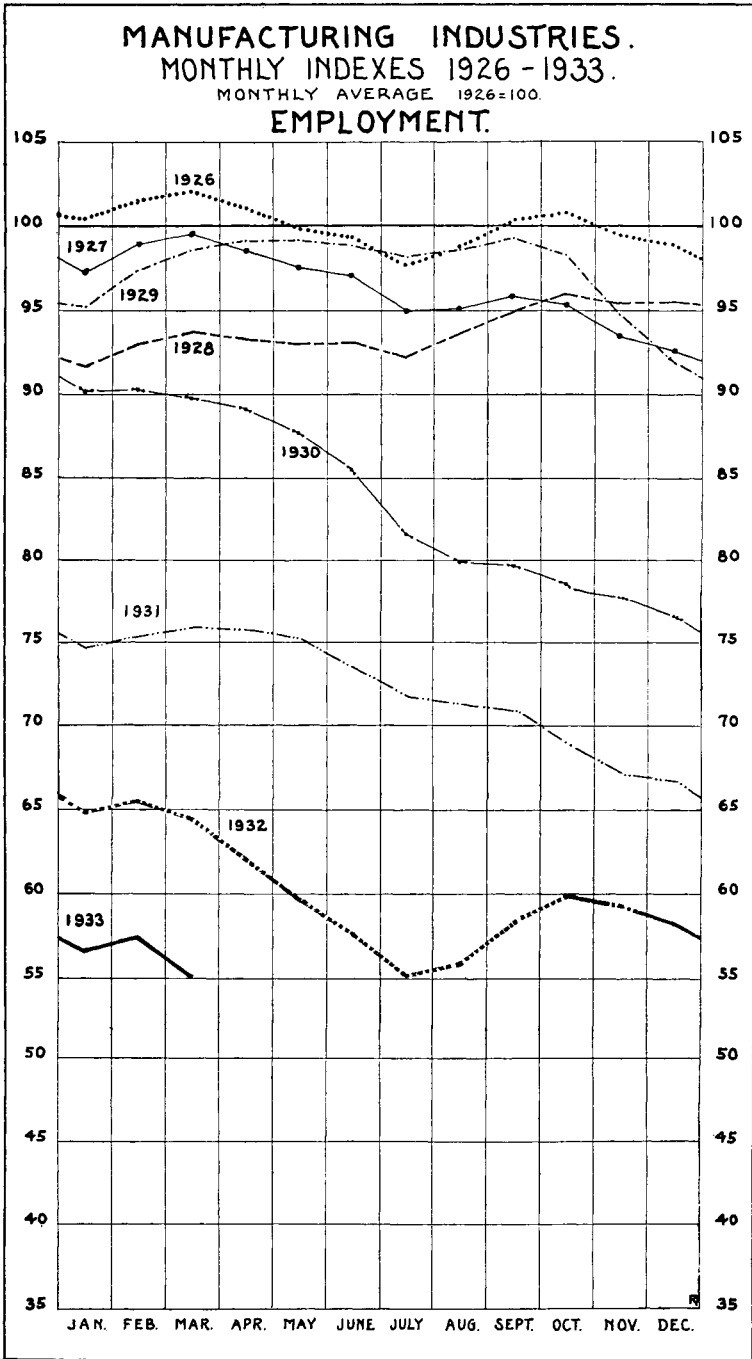
1 Average for 3 months.

Time Worked in Manufacturing Industries in March 1933

REPORTS as to working time in March were received from 13,349 establishments in 89 manufacturing industries. Four percent of these establishments were idle, 44 percent operated on a full-time basis, and 52 percent worked on a part-time schedule.

An average of 84 percent of full-time operation in March was shown by reports received from all the operating establishments included in table 4. The establishments working part time in March averaged 70 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. The heading of the column concerning full-time plants has therefore been changed to read "Percent of establishments operating full time" instead of "Percent of establishments in which employees worked full time."



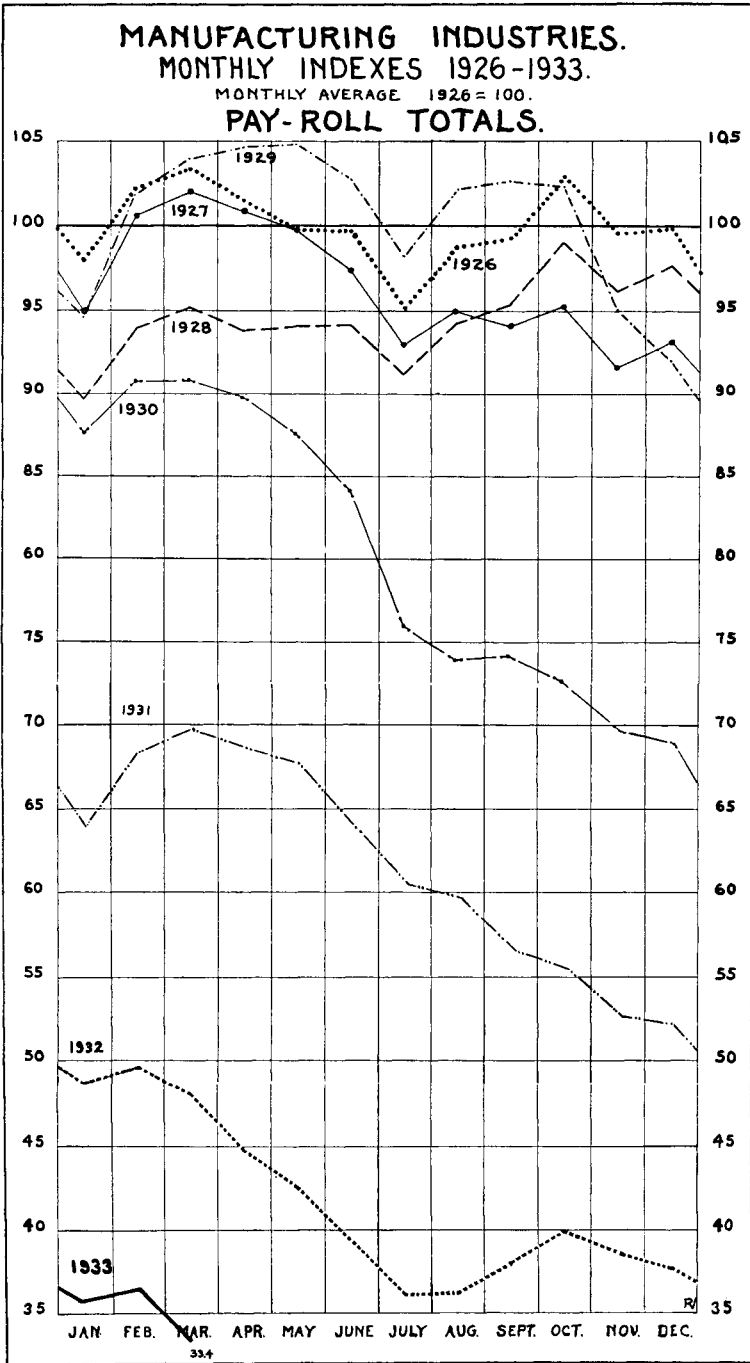


TABLE 4. — PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN MARCH 1933

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	2,482	1	67	31	92	76
Baking.....	756	(¹)	82	18	96	78
Beverages.....	276	1	62	37	89	71
Butter.....	246	2	73	25	96	83
Confectionery.....	265	3	68	59	82	70
Flour.....	384	1	35	34	91	73
Ice cream.....	309	4	59	38	93	81
Slaughtering and meat packing.....	203	4	67	33	95	84
Sugar, beet.....	31	6	84	10	99	87
Sugar refining, cane.....	12	8	50	42	83	63
Textiles and their products	2,399	4	53	43	87	70
Fabrics:						
Carpets and rugs.....	20	15	40	45	73	40
Cotton goods.....	614	3	52	45	84	66
Cotton small wares.....	97	2	40	58	85	74
Dyeing and finishing textiles.....	135	3	41	56	87	77
Knit goods.....	360	3	60	37	89	71
Silk and rayon goods.....	205	9	57	34	90	72
Woolen and worsted goods.....	219	7	46	47	85	70
Wearing apparel:						
Clothing, men's.....	267	4	54	42	89	74
Clothing, women's.....	242	5	63	33	89	68
Corsets and allied garments.....	22	4	45	55	85	73
Hats, fur-felt.....	19	2	26	74	67	55
Men's furnishings.....	52	8	46	46	86	71
Millinery.....	70	1	49	50	87	74
Shirts and collars.....	77	8	51	42	89	77
Iron and steel and their products not including machinery	996	6	19	75	70	63
Bolts, nuts, washers, and rivets.....	59	10	10	90	66	62
Cast-iron pipe.....	36	25	6	69	48	44
Cutlery (not including silver and plated cutlery) and edge tools.....	96	7	24	69	70	60
Forgings, iron and steel.....	32	3	9	88	64	60
Hardware.....	54	4	4	93	63	62
Iron and steel.....	129	15	26	60	70	57
Plumbers' supplies.....	47	1	19	81	73	67
Steam and hot-water heating apparatus and steam fittings.....	78	10	6	83	55	52
Stoves.....	133	7	17	76	70	63
Structural and ornamental metal work.....	135	4	24	72	80	73
Tin cans and other tinware.....	51	4	47	53	85	71
Tools (not including edge tools, machine tools, files, and saws).....	102	1	20	79	73	66
Wirework.....	44	1	16	84	75	70
Machinery, not including transportation equipment	1,290	2	23	75	72	64
Agricultural implements.....	45	2	20	80	73	66
Cash registers, adding machines, and calculating machines.....	31	3	32	68	79	69
Electrical machinery, apparatus, and supplies.....	193	1	17	82	74	68
Engines, turbines, tractors, and water wheels.....	60	2	22	77	74	67
Foundry and machine shop products.....	783	2	25	73	71	61
Machine tools.....	116	7	17	76	72	65
Radios and phonographs.....	23	1	17	83	74	69
Textile machinery and parts.....	29	2	24	76	79	72
Typewriters and supplies.....	10	2	20	80	72	65
Nonferrous metals and their parts	477	2	21	77	73	65
Aluminum manufactures.....	17	6	6	94	77	75
Brass, bronze, and copper products.....	149	3	20	77	71	63
Clocks and watches and time-recording devices.....	20	5	25	70	65	52
Jewelry.....	110	1	20	79	69	61
Lighting equipment.....	41	2	22	78	76	69
Silverware and plated ware.....	44	2	20	77	73	66
Smelting and refining—copper, lead, and zinc.....	21	3	62	38	89	72
Stamped and enameled ware.....	75	3	15	83	76	72

¹ Less than one half of 1 percent.

TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN MARCH 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	271	7	37	56	83	72
Aircraft.....	25		64	36	95	86
Automobiles.....	122	8	20	71	76	69
Cars, electric and steam railroad.....	31	13	19	68	72	64
Locomotives.....	7		57	43	84	63
Shipbuilding.....	86	6	58	36	93	82
Railroad repair shops	730	(1)	45	55	88	79
Electric railroad.....	313		70	30	95	84
Steam railroad.....	417	(1)	26	74	83	77
Lumber and allied products	1,016	4	31	65	77	66
Furniture.....	313	4	30	66	75	64
Lumber.....	293		28	69	76	67
Millwork.....	391	3	33	63	78	66
Sawmills.....	19	4	47	47	91	83
Turpentine and rosin.....		5				
Stone, clay, and glass products	660	26	36	38	83	67
Brick, tile, and terra cotta.....	180	51	14	34	72	60
Cement.....	77	30	68	3	99	86
Glass.....	145	9	71	20	93	69
Marble, granite, slate, and other products.....	173	20	22	58	80	72
Pottery.....	85	11	25	65	76	66
Leather and its manufactures	345	3	45	52	88	79
Boots and shoes.....	227	4	40	56	88	79
Leather.....	118	1	54	45	90	79
Paper and printing	1,571	1	46	53	87	77
Boxes, paper.....	258	1	28	71	82	75
Paper and pulp.....	299	3	32	65	80	70
Printing and publishing:						
Book and job.....	622	(1)	41	59	87	78
Newspapers and periodicals.....	392	(1)	75	25	97	88
Chemicals and allied products	787	2	52	46	89	76
Chemicals.....	79	1	58	41	89	72
Cottonseed, oil, cake, and meal.....	49	18	57	24	91	69
Druggists' preparations.....	27		44	56	87	76
Explosives.....	11		9	91	85	83
Fertilizers.....	159		70	30	93	77
Paints and varnishes.....	295	1	36	63	84	74
Petroleum refining.....	79	4	72	24	97	89
Rayon and allied products.....	13		77	23	96	83
Soap.....	75		48	52	90	80
Rubber products	109	1	26	73	80	72
Rubber boots and shoes.....	7	14	14	71	85	82
Rubber goods, other than boots, shoes, tires, and inner tubes.....	78		31	69	82	73
Rubber tires and inner tubes.....	24		13	88	71	67
Tobacco manufactures	216	17	26	57	78	68
Chewing and smoking tobacco and snuff.....	34	12	47	41	84	65
Cigars and cigarettes.....	182	18	23	60	77	69
Total, 89 industries	13,349	4	44	52	84	70

¹ Less than one half of 1 percent.

Employment in Nonmanufacturing Industries in March 1933

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 MARCH 1933 WITH FEBRUARY 1933 AND MARCH 1932

Industrial group	Estab-lishments reporting in both February and March 1933	Employment			Pay-roll totals			Index num-bers, March 1933 (average, 1929=100)	
		Number on pay roll, March 1933	Per cent of change		Amount of pay roll (1 week) March 1933	Per cent of change			
			Feb-ruary- to March 1933	March to March 1933		Feb-ruary to March 1933	March to March 1933	Em-ploy-ment	Pay-roll totals
Anthracite mining.....	160	74, 677	-7. 1	-25. 9	\$1, 940, 073	-14. 1	-20. 3	54. 6	48. 8
Bituminous-coal mining.....	1, 462	194, 744	-2. 5	-10. 1	2, 284, 670	-17. 3	-34. 4	67. 6	30. 7
Metalliferous mining.....	285	20, 515	-4. 8	-33. 3	385, 785	-2. 6	-34. 3	30. 0	17. 4
Quarrying and nonmetallic mining.....	624	16, 805	+ .9	-23. 7	231, 581	+2. 1	-38. 0	35. 1	17. 8
Crude petroleum producing.....	269	24, 028	-1. 0	+9. 9	702, 325	+2. 0	-1. 6	56. 5	42. 5
Telephone and telegraph.....	8, 196	280, 431	- .9	-10. 4	7, 350, 303	- .7	-18. 9	73. 2	71. 5
Power and light.....	3, 361	203, 678	- .7	-10. 1	5, 976, 225	+ .3	-15. 8	76. 9	71. 9
Electric-railroad and motor-bus operation and maintenance.....	570	133, 980	- .9	-10. 1	3, 616, 363	-2. 0	-10. 3	69. 8	59. 4
Trade:									
Wholesale.....	2, 984	74, 331	-1. 4	-8. 4	1, 956, 559	-2. 6	-19. 9	73. 1	57. 1
Retail.....	17, 049	319, 645	-2. 7	-12. 3	6, 061, 550	-5. 7	-24. 9	71. 4	55. 1
Hotels.....	2, 541	130, 995	-1. 8	-13. 8	1, 694, 840	-4. 3	-26. 1	72. 4	53. 5
Canning and preserving.....	814	30, 046	-5. 3	-8. 5	362, 428	-6. 5	-24. 1	33. 2	24. 2
Laundries.....	939	53, 113	-1. 8	-11. 0	762, 345	-4. 7	-26. 1	73. 0	52. 9
Dyeing and cleaning.....	321	8, 846	+ .4	-11. 7	132, 662	-3. 3	-33. 5	71. 2	41. 0
Banks, brokerage, insurance, and real estate.....	3, 424	130, 638	- .2	-2. 3	4, 537, 732	- .7	-9. 9	96. 8	84. 1

Per capita weekly earnings in March 1933 for 15 nonmanufacturing industries included in the Bureau's monthly trend-of-employment survey, together with the percents of change in March 1933 as compared with February 1933 and March 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 MARCH 1933 AND COMPARISON WITH FEBRUARY 1933 AND MARCH 1932

Industrial group	Per capita weekly earnings in March 1933	Percent of change March 1933 compared with—	
		February 1933	March 1932
Coal mining:			
Anthracite.....	\$25. 98	-7. 6	+7. 7
Bituminous.....	11. 73	-15. 2	-27. 0
Metalliferous mining.....	18. 81	+2. 4	-1. 5
Quarrying and nonmetallic mining.....	13. 78	+1. 2	-18. 7
Crude petroleum producing.....	29. 23	+3. 0	-10. 5
Public utilities:			
Telephone and telegraph.....	26. 21	+ .2	-9. 5
Power and light.....	29. 34	+1. 1	-6. 4
Electric-railroad and motor-bus operation and maintenance.....	26. 99	-1. 1	-10. 2
Trade:			
Wholesale.....	26. 32	-1. 2	-12. 5
Retail.....	18. 96	-3. 1	-14. 4
Hotels (cash payments only) ¹	12. 94	-2. 6	-14. .
Canning and preserving.....	12. 06	-1. 2	-17. 1
Laundries.....	14. 35	-3. 0	-17. 0
Dyeing and cleaning.....	15. 00	-3. 7	-24. 8
Banks, brokerage, insurance, and real estate.....	34. 74	² - .5	² - 7. 7

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 non-manufacturing industries are presented in the following table. These index numbers show the variation in employment and pay rolls by months, from January 1929 to March 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 MARCH 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	54.0	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	.....	75.0	75.2	72.0	.....	94.4	85.9	65.5	.....	81.7	58.6	33.9	.....
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	78.4	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	55.3	95.3	75.4	53.7	49.6	93.4	83.2	67.4	68.9	81.3	57.5	35.6	34.7
	Metalliferous mining								Quarrying and nonmetallic mining							
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	83.3	66.6	47.4	34.8	73.5	54.4	29.6	17.4
March.....	90.9	63.5	45.0	30.0	90.8	52.8	26.5	17.4	79.0	70.0	46.0	35.1	80.0	58.2	28.7	17.8
April.....	89.3	63.9	43.3	.....	88.3	51.4	25.0	.....	87.4	76.1	48.6	.....	85.4	62.6	30.0	.....
May.....	87.5	62.4	38.3	.....	85.6	49.3	23.8	.....	90.8	75.0	50.6	.....	90.2	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	.....	89.7	71.0	49.5	.....	85.5	57.3	29.1	.....
August.....	79.0	55.8	28.6	.....	71.0	40.2	16.5	.....	89.3	68.9	51.1	.....	85.8	55.1	29.7	.....
September.....	78.1	55.5	29.3	.....	69.9	40.0	17.0	.....	87.7	66.6	52.4	.....	82.5	51.2	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	59.3	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	31.3	78.0	44.8	21.6	17.8	84.3	67.4	49.0	35.0	79.3	53.4	29.1	17.8
	Crude petroleum producing								Telephone and telegraph							
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	70.0	46.9	41.7	100.2	89.2	82.0	73.9	101.9	94.8	89.6	72.0
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	71.5
April.....	86.8	69.8	54.9	.....	86.6	66.3	44.5	.....	98.9	88.1	81.2	.....	103.4	95.0	83.4	.....
May.....	89.8	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	.....	98.8	86.9	79.9	.....	103.4	95.0	82.1	.....
July.....	89.9	65.3	55.4	.....	88.5	59.2	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	.....	98.8	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	83.3	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	41.4	97.9	86.6	79.1	73.9	102.9	93.7	81.1	71.7

1 Average for 3 months.

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

[12-month average, 1929=100]

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	75.2	102.6	97.6	82.4	71.9	95.2	86.8	78.0	70.0	97.1	86.6	71.8	59.4
May	103.4	97.6	84.0	75.2	104.5	98.7	84.2	71.9	95.2	85.9	76.9	70.0	96.0	85.1	72.2	59.4
June	104.6	97.2	85.2	75.2	107.8	98.3	80.5	71.9	94.8	85.3	76.5	70.0	97.0	84.8	70.2	59.4
July	105.9	96.7	82.3	75.2	106.7	97.4	78.7	71.9	95.3	85.6	75.6	70.0	95.6	83.3	66.4	59.4
August	106.4	95.9	81.5	75.2	106.6	96.2	76.7	71.9	92.9	84.8	74.1	70.0	92.1	81.9	63.8	59.4
September	105.2	94.7	81.0	75.2	106.1	94.3	74.7	71.9	91.8	84.0	73.5	70.0	90.5	81.2	62.5	59.4
October	104.8	92.7	79.9	75.2	105.6	93.2	74.4	71.9	91.0	82.7	72.3	70.0	88.9	79.2	61.5	59.4
November	103.4	91.3	79.1	75.2	103.7	93.3	73.2	71.9	89.3	81.5	71.8	70.0	87.7	79.7	61.7	59.4
December	103.2	90.3	78.4	75.2	106.3	91.2	73.2	71.9	88.8	79.9	71.4	70.0	88.6	77.8	61.9	59.4
Average	103.0	95.6	83.0	77.3	104.3	96.7	79.8	72.2	93.4	84.7	75.5	70.3	93.5	83.4	68.0	60.3
	Wholesale trade								Retail trade							
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	73.1	97.9	85.2	68.9	57.1	97.3	90.1	81.6	70.0	97.5	88.3	72.7	57.1
May	96.8	87.1	77.9	73.1	97.4	84.7	69.7	57.1	96.7	89.9	80.9	70.0	97.3	88.0	71.1	57.1
June	96.5	87.1	77.0	73.1	98.6	84.1	66.2	57.1	93.9	89.1	79.4	70.0	96.8	87.6	68.2	57.1
July	96.0	86.8	76.6	73.1	96.0	83.3	64.7	57.1	89.0	83.9	74.6	70.0	91.7	83.3	63.3	57.1
August	95.0	86.5	76.4	73.1	93.6	82.1	63.2	57.1	85.6	81.8	72.6	70.0	87.6	80.3	60.7	57.1
September	94.8	86.1	77.1	73.1	93.6	81.4	63.1	57.1	92.0	86.6	77.8	70.0	92.4	83.5	64.6	57.1
October	94.2	85.2	77.8	73.1	92.9	79.9	63.9	57.1	95.5	89.8	81.3	70.0	95.1	84.6	67.1	57.1
November	92.6	84.1	77.6	73.1	91.0	79.7	63.3	57.1	98.4	90.9	81.7	70.0	96.8	85.4	66.9	57.1
December	92.0	83.7	77.0	73.1	91.3	77.8	62.6	57.1	115.1	106.2	95.2	70.0	107.7	94.1	73.6	57.1
Average	96.0	86.6	78.2	74.2	95.9	83.6	67.0	59.1	95.9	89.4	80.9	73.9	96.2	86.6	69.4	58.7
	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	73.8	100.3	89.9	69.6	57.1	74.8	59.6	47.0	40.0	72.6	57.1	37.9	24.2
May	98.0	92.5	80.1	73.8	98.4	87.7	67.0	57.1	65.7	56.0	40.5	40.0	66.9	56.0	36.0	24.2
June	98.0	91.6	78.0	73.8	98.1	85.4	63.8	57.1	83.0	60.0	55.5	50.0	81.5	58.6	40.5	24.2
July	101.3	93.3	78.4	73.8	99.8	85.2	61.8	57.1	126.3	102.2	73.0	70.0	112.7	74.2	47.5	24.2
August	101.5	92.8	77.6	73.8	98.6	83.8	59.6	57.1	185.7	142.9	99.0	70.0	172.0	104.7	65.6	24.2
September	100.1	90.6	77.0	73.8	97.1	81.9	59.1	57.1	246.6	180.1	125.3	70.0	214.8	129.4	75.1	24.2
October	97.5	87.4	75.4	73.8	95.5	79.7	58.6	57.1	164.7	108.1	81.1	70.0	140.0	77.6	51.8	24.2
November	95.2	84.9	74.3	73.8	93.6	77.1	57.5	57.1	96.7	60.8	50.5	50.0	82.9	43.1	34.4	24.2
December	93.5	83.1	73.2	73.8	91.5	75.4	56.6	57.1	61.6	40.7	33.7	30.0	57.4	36.9	25.6	24.2
Average	99.2	91.7	79.0	73.3	98.5	85.4	64.5	55.0	103.9	80.9	59.5	34.1	96.1	65.6	42.6	25.0
	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	90.5	82.0	73.0	86.8	71.4	52.9	95.7	83.3	70.0	86.3	65.9	40.0	98.8	96.8	92.4	84.1
May	90.3	81.4	73.0	86.5	70.6	52.9	96.7	84.5	70.0	86.6	67.3	40.0	98.2	96.8	93.2	84.1
June	91.0	81.0	73.0	87.1	68.6	52.9	99.0	85.1	70.0	89.1	65.8	40.0	98.1	96.8	90.4	84.1
July	91.8	80.3	73.0	87.4	66.3	52.9	98.6	82.4	70.0	86.2	60.0	40.0	98.5	96.8	90.1	84.1
August	90.2	78.9	73.0	84.6	63.9	52.9	93.5	79.5	70.0	80.0	56.3	40.0	98.7	96.8	88.5	84.1
September	89.3	78.6	73.0	84.1	62.9	52.9	95.3	83.3	70.0	82.6	61.0	40.0	98.6	96.8	87.3	84.1
October	88.1	77.5	73.0	81.8	61.2	52.9	94.2	82.3	70.0	81.4	58.8	40.0	98.7	96.8	86.5	84.1
November	86.2	76.2	73.0	78.9	59.1	52.9	90.1	78.0	70.0	74.7	52.3	40.0	98.2	96.8	86.0	84.1
December	85.3	75.9	73.0	77.4	58.7	52.9	84.9	75.2	70.0	67.9	48.4	40.0	98.0	96.8	85.7	84.1
Average	89.4	80.1	74.3	84.4	67.0	55.4	92.7	81.4	71.7	80.3	60.5	43.3	98.5	97.1	90.1	83.8

¹ Average for 3 months.

² Not including electric-railroad car building and repairing; see transportation equipment and railroad repair-shop groups, manufacturing industries, table 1.

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 February and March 1933 in 15 industrial groups and 74 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, FEBRUARY AND MARCH 1933

Industrial group	Average hours per week		Average hourly earnings	
	February 1933	March 1933	February 1933	March 1933
	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Manufacturing.....	38.2	36.6	43.7	43.5
Anthracite mining.....	34.9	30.9	81.5	83.0
Bituminous coal mining.....	30.4	26.0	46.4	46.6
Metalliferous mining.....	40.4	39.5	46.6	48.5
Quarrying and nonmetallic mining.....	34.8	35.0	39.5	39.2
Crude petroleum producing.....	46.2	45.9	61.9	64.5
Telephone and telegraph.....	37.8	37.2	69.8	71.0
Power and light.....	46.5	46.6	61.9	62.4
Electric-railroad and motor-bus operation and maintenance.....	45.7	45.2	58.9	58.9
Trade:				
Wholesale.....	46.6	46.8	55.6	54.3
Retail.....	45.3	44.8	42.6	41.8
Hotels.....	51.7	51.0	24.1	23.8
Canning and preserving.....	37.5	39.2	37.3	36.2
Laundries.....	42.1	41.5	33.9	33.3
Dyeing and cleaning.....	42.7	42.4	37.0	36.0
Total.....	41.3	40.2	45.7	45.3

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 to 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, FEBRUARY AND MARCH 1933

Industry	Average hours per week		Average hourly earnings	
	February 1933	March 1933	February 1933	March 1933
Food and kindred products:	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Baking.....	46.8	45.6	43.9	44.1
Beverages.....	39.8	40.6	61.2	59.5
Confectionery.....	41.1	37.4	33.1	33.2
Flour.....	46.8	47.3	42.8	42.7
Ice cream.....	49.5	48.7	48.7	48.9
Slaughtering and meat packing.....	45.1	42.3	44.2	44.4
Sugar, beet.....	46.1	47.1	56.0	57.5
Sugar refining, cane.....	46.8	48.3	45.1	46.5
Textiles and their products:				
Carpets and rugs.....	29.8	32.9	41.9	41.6
Cotton goods.....	45.2	44.1	22.0	21.4
Cotton small wares.....	42.0	40.0	34.9	34.1
Dyeing and finishing textiles.....	47.2	43.3	39.1	38.3
Knit goods.....	41.9	39.3	31.0	30.9
Silk and rayon goods.....	40.9	36.9	29.3	30.1
Woolen and worsted goods.....	46.5	37.3	34.6	34.0
Iron and steel and their products not including machinery:				
Bolts, nuts, washers, and rivets.....	31.6	26.9	44.7	43.8
Cast-iron pipe.....	28.3	30.1	42.8	48.9
Cutlery (not including silver and plated cutlery) and edge tools.....	36.0	27.3	49.2	51.7
Forgings, iron and steel.....	30.7	29.3	49.1	49.9
Hardware.....	29.8	28.7	43.2	43.2
Iron and steel.....	27.0	25.6	48.3	48.4
Plumbers' supplies.....	30.9	36.3	43.7	45.4
Steam and hot-water heating apparatus and steam fittings.....	29.3	29.5	51.0	51.0
Stoves.....	31.0	31.4	47.1	46.3
Structural and ornamental metal work.....	29.9	28.6	43.1	43.2
Tools (not including edge tools, machine tools, files, and saws).....	30.2	29.7	46.2	45.0
Machinery, not including transportation equipment:				
Agricultural implements.....	32.8	28.9	47.6	47.9
Cash registers, adding machines and calculating machines.....	33.1	32.5	67.5	66.4
Electrical machinery, apparatus, and supplies.....	30.2	28.0	57.1	57.8
Engines, turbines, tractors, and water wheels.....	32.5	32.0	56.9	55.9
Foundry and machine shop products.....	29.8	27.7	52.0	52.0
Machine tools.....	32.4	30.0	55.6	54.3
Radios and phonographs.....	39.2	32.0	39.8	41.1
Textile machinery and parts.....	28.5	27.2	56.9	54.9
Typewriters and supplies.....	32.3	29.6	45.2	45.9
Nonferrous metals and their parts:				
Aluminum manufactures.....	39.2	37.6	42.6	41.6
Brass, bronze, and copper products.....	30.9	30.2	47.8	47.6
Clocks and watches and time-recording devices.....	35.6	23.8	36.3	40.1
Jewelry.....	34.8	34.1	46.5	45.3
Silverware and plated ware.....	33.3	33.1	44.9	44.8
Smelting and refining—copper, lead, and zinc.....	31.6	30.2	48.6	48.1
Stamped and enameled ware.....	36.8	35.7	39.4	38.3
Transportation equipment:				
Aircraft.....	44.6	44.5	62.9	62.8
Automobiles.....	31.5	29.0	57.0	57.5
Locomotives.....	38.2	34.3	51.1	56.1
Shipbuilding.....	29.4	30.5	61.7	57.9
Railroad repair shops:				
Electric railroad.....	44.5	44.9	56.4	56.4
Steam railroad.....	36.4	34.7	63.0	62.9

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

Industry	Average hours per week		Average hourly earnings	
	February 1933	March 1933	February 1933	March 1933
Lumber and allied products:				
Furniture.....	34.9	30.7	34.2	33.8
Lumber:				
Millwork.....	35.6	31.5	34.6	36.1
Sawmills.....	35.3	34.6	28.0	28.1
Stone, clay, and glass products:				
Brick, tile, and terra cotta.....	28.3	29.1	36.2	33.7
Cement.....	33.3	34.9	42.7	41.2
Glass.....	34.9	35.1	46.1	45.0
Marble, granite, slate, and other products.....	29.2	31.1	67.6	65.2
Pottery.....	37.6	36.7	39.8	41.2
Leather and its manufactures: Leather.....	43.4	42.3	40.3	39.9
Paper and printing:				
Boxes, paper.....	40.4	39.1	40.6	40.4
Paper and pulp.....	40.0	39.8	42.7	42.0
Printing and publishing:				
Book and job.....	36.3	36.4	68.4	68.0
Newspapers and periodicals.....	40.7	40.6	75.5	73.5
Chemicals and allied products:				
Chemicals.....	40.8	40.8	55.2	55.4
Cottonseed, oil, cake, and meal.....	55.0	55.2	18.0	17.8
Druggists' preparations.....	39.7	38.2	45.8	45.9
Explosives.....	35.9	35.1	53.9	52.8
Fertilizers.....	41.4	42.9	26.4	23.9
Paints and varnishes.....	39.5	37.1	51.2	51.1
Petroleum refining.....	38.7	39.7	62.6	62.1
Rayon and allied products.....	44.5	44.4	38.0	38.1
Soap.....	42.2	41.6	46.3	46.6
Rubber products:				
Rubber goods, other than boots, shoes, tires, and inner tubes.....	40.1	37.9	43.3	42.7
Rubber tires and inner tubes.....	28.7	24.2	58.5	58.8
Tobacco manufactures:				
Chewing and smoking tobacco and snuff.....	39.7	38.5	31.6	30.5
Cigars and cigarettes.....	35.7	36.5	31.9	32.9

Employment in Building Construction in March 1933

EMPLOYMENT in the building construction industry increased 0.2 percent in March as compared with February and pay rolls increased 3.3 percent over the month interval.

The percents of change of employment and pay-roll totals in March as compared with February are based on returns made by 10,208 firms employing in March 59,905 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, FEBRUARY AND MARCH 1933

Locality	Number of firms reporting	Number on pay roll		Percent of change	Amount of pay roll		Percent of change
		Feb. 15	Mar. 15		Feb. 15	Mar. 15	
Alabama, Birmingham.....	68	326	344	+5.5	\$3,530	\$4,629	+31.1
California:							
Los Angeles ¹	18	516	867	+68.0	12,026	17,294	+43.8
San Francisco-Oakland ¹	32	866	794	-8.3	18,805	17,694	-5.9
Other reporting localities ¹	16	358	570	+59.2	6,796	9,100	+33.9
Colorado, Denver.....	186	558	530	-5.0	11,187	10,099	-9.7
Connecticut:							
Bridgeport.....	119	338	321	-5.0	6,991	6,903	-1.3
Hartford.....	199	695	600	-13.7	14,678	13,441	-8.4
New Haven.....	167	877	831	-5.2	21,647	21,900	+1.2
Delaware, Wilmington.....	113	852	850	-0.2	14,944	15,822	+5.9
District of Columbia.....	525	7,396	7,023	-5.0	175,101	188,764	+7.8

¹ Data supplied by cooperating State bureaus.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE **BUILDING CONSTRUCTION** INDUSTRY IN IDENTICAL FIRMS, FEBRUARY AND MARCH 1933—Con.

Locality	Number of firms reporting	Number on pay roll		Percent of change	Amount of pay roll		Percent of change
		Feb. 15	Mar. 15		Feb. 15	Mar. 15	
Florida:							
Jacksonville.....	53	422	391	-7.3	\$5,186	\$6,598	+27.2
Miami.....	77	491	380	-22.6	9,148	6,922	-24.3
Georgia, Atlanta.....	125	949	931	-1.9	12,493	13,778	+10.3
Illinois:							
Chicago ¹	126	986	1,156	+17.2	24,800	29,524	+19.0
Other reporting localities ¹	72	364	301	-17.3	6,084	6,494	+6.7
Indiana:							
Evansville.....	50	208	170	-18.3	3,650	2,822	-22.7
Fort Wayne.....	93	264	241	-8.7	4,245	3,190	-24.9
Indianapolis.....	162	629	655	+4.1	12,185	11,987	-1.6
South Bend.....	36	222	166	-25.2	4,474	3,148	-29.6
Iowa, Des Moines.....	105	457	352	-23.0	8,777	6,444	-26.0
Kansas, Wichita.....	61	310	314	+1.3	5,240	4,378	-16.5
Kentucky, Louisville.....	117	521	499	-4.2	7,483	7,018	-6.2
Louisiana, New Orleans.....	128	1,256	1,222	-2.7	19,927	18,629	-6.5
Maine, Portland.....	97	276	294	+6.5	5,337	5,825	+9.1
Maryland, Baltimore ¹	108	625	632	+1.1	9,830	9,907	+0.8
Massachusetts, all reporting localities ¹	723	3,160	3,117	-1.4	74,107	70,787	-4.5
Michigan:							
Detroit.....	388	1,733	1,494	-13.8	32,447	26,532	-18.2
Flint.....	55	152	131	-13.8	1,973	1,656	-16.1
Grand Rapids.....	94	279	224	-19.7	4,375	3,404	-22.2
Minnesota:							
Duluth.....	55	297	243	-18.2	6,235	4,602	-26.2
Minneapolis.....	225	873	882	+1.0	17,347	16,946	-2.3
St. Paul.....	151	366	447	+22.1	6,317	6,640	+5.1
Missouri:							
Kansas City ²	237	919	1,152	+25.4	20,385	24,638	+20.9
St. Louis.....	448	1,707	2,036	+19.3	40,113	50,473	+25.8
Nebraska, Omaha.....	129	531	508	-4.3	9,471	8,771	-7.4
New York:							
New York City ¹	298	5,670	5,628	-0.7	181,059	200,593	+10.8
Other reporting localities ¹	170	3,134	3,049	-2.7	71,260	71,683	+0.6
North Carolina, Charlotte.....	41	187	215	+15.0	2,375	2,634	+10.9
Ohio:							
Akron.....	76	176	207	+17.6	2,636	2,298	-12.8
Cincinnati ³	459	2,254	2,068	-8.3	49,304	51,425	+4.3
Cleveland.....	492	1,746	1,570	-10.1	41,346	37,306	-9.8
Dayton.....	109	369	348	-5.7	5,980	5,792	-3.1
Youngstown.....	68	221	208	-5.9	3,626	3,020	-16.7
Oklahoma:							
Oklahoma City.....	80	338	281	-16.9	5,745	4,518	-21.4
Tulsa.....	48	209	187	-10.5	3,190	2,665	-16.5
Oregon, Portland.....	179	516	595	+15.3	9,299	10,450	+12.4
Pennsylvania: ⁴							
Erie area ¹	23	86	63	-26.7	1,415	957	-32.4
Philadelphia area ¹	530	3,343	3,882	+16.1	53,621	65,497	+22.1
Pittsburgh area ¹	276	1,573	1,480	-5.9	37,829	34,100	-9.9
Reading-Lebanon area ¹	52	186	174	-6.5	2,351	2,103	-10.5
Scranton area ¹	38	208	195	-6.2	4,702	4,271	-9.2
Other reporting areas ¹	341	1,881	1,832	-2.6	31,543	30,987	-1.8
Rhode Island, Providence.....	225	853	838	-1.8	16,915	16,917	+0.0
Tennessee:							
Chattanooga.....	40	243	259	+6.6	2,988	4,531	+51.6
Knoxville.....	46	205	205	(⁶)	2,434	2,106	-13.5
Memphis.....	87	368	253	-31.2	6,360	3,911	-38.5
Nashville.....	63	449	643	+43.2	6,931	7,686	+10.9
Texas:							
Dallas.....	152	815	876	+7.5	13,414	12,494	-6.9
El Paso.....	28	255	199	-22.0	3,117	2,150	-31.0
Houston.....	141	498	623	+25.1	7,483	8,467	+13.1
San Antonio.....	103	530	549	+3.6	7,884	7,695	-2.4
Utah, Salt Lake City.....	85	176	227	+29.0	2,809	3,762	+33.9
Virginia:							
Norfolk-Portsmouth.....	85	423	538	+27.2	5,977	8,472	+41.7
Richmond.....	138	667	674	+1.0	11,099	10,741	-3.2
Washington:							
Seattle.....	147	515	420	-18.4	10,696	7,793	-27.1
Spokane.....	49	105	126	+20.0	1,174	1,558	+32.7
Tacoma.....	77	94	109	+16.0	1,430	1,598	+11.7
West Virginia, Wheeling.....	44	94	87	-7.4	1,615	1,381	-14.5
Wisconsin, all reporting localities ¹	60	637	629	-1.3	10,967	11,395	+3.9
Total, all localities.....	10,208	59,803	59,905	+0.2	1,257,908	1,299,715	+3.3

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.

⁵ Less than one tenth of 1 percent.

⁶ No change.

Trend of Employment in March 1933 by States

IN THE following table are shown the fluctuations in employment and pay-roll totals in March 1933 as compared with February 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 are 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 February and March 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 FEBRUARY AND MARCH 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 March 1933	Percent of change	Amount of pay roll (1 week) March 1933	Percent of change	Number of establishments	Number on pay roll March 1933	Percent of change	Amount of pay roll (1 week) March 1933	Percent of change
Alabama.....	474	47,960	-4.9	\$466,817	-11.9	204	31,970	-6.0	\$298,719	-11.7
Arizona.....	364	7,806	-1.4	160,354	-1.8	54	1,811	+3.2	37,385	-6
Arkansas.....	<i>1,458</i>	<i>13,894</i>	-3.4	<i>191,094</i>	-4.7	<i>179</i>	<i>8,796</i>	-2.9	<i>102,322</i>	-4.0
California.....	<i>1,954</i>	<i>220,884</i>	-1.6	<i>5,192,684</i>	-3.4	<i>1,143</i>	<i>109,207</i>	-2.1	<i>2,396,666</i>	-5.1
Colorado.....	758	26,553	-2	516,862	-3.0	122	9,845	+4.5	182,556	+7.0
Connecticut.....	1,042	125,469	-3.7	2,042,481	-9.0	649	107,726	-4.1	1,589,625	-10.6
Delaware.....	124	8,432	-2.8	162,284	-5.8	50	6,268	-3.9	113,899	-8.8
District of Columbia.....	² 638	30,175	+3	710,396	-2.7	56	3,574	-5.2	115,289	-7.5
Florida.....	590	27,000	-5.3	396,107	-3.2	132	12,485	+1.8	164,648	-2.7
Georgia.....	622	69,202	+3	786,828	-3.7	307	57,232	+3	528,891	-7.1
Idaho.....	186	5,641	-1.1	97,384	+1.5	41	2,433	-3.3	35,826	+4.3
Illinois.....	<i>1,540</i>	<i>292,492</i>	-1.5	<i>5,104,974</i>	-4.5	<i>1,023</i>	<i>157,562</i>	-2.4	<i>2,567,074</i>	-8.2
Indiana.....	1,161	96,916	-8.6	1,611,528	-14.6	559	70,028	-10.7	1,122,197	-16.4
Iowa.....	1,164	39,483	-1.7	691,967	-8.1	441	20,924	-9	346,186	-8.4
Kansas.....	<i>1,023</i>	<i>69,065</i>	-1.8	<i>1,244,915</i>	-6.1	<i>424</i>	<i>22,734</i>	-1.2	<i>442,112</i>	-4.8
Kentucky.....	791	55,838	-5	770,758	-5.4	196	19,848	+5.3	301,785	+7.0
Louisiana.....	484	27,304	-3.0	382,839	-5.1	211	17,256	-3.0	212,987	-4.9
Maine.....	522	35,504	-4.8	545,746	-8.5	183	29,858	-5.7	425,903	-10.7
Maryland.....	³ 800	<i>67,597</i>	-3.9	<i>1,135,403</i>	-7.2	<i>427</i>	<i>44,358</i>	-4.8	<i>719,737</i>	⁵ -4.8
Massachusetts.....	⁶ 8,129	<i>312,097</i>	-6.1	<i>6,225,179</i>	-8.4	<i>1,091</i>	<i>147,104</i>	-6.8	<i>2,536,778</i>	-12.0
Michigan.....	1,397	226,093	-7.4	4,132,043	-8.7	<i>360</i>	<i>169,908</i>	-8.2	<i>2,857,878</i>	-8.9
Minnesota.....	992	53,527	-2.3	1,071,639	-4.2	268	26,283	-2.8	485,696	-6.1
Mississippi.....	375	7,767	+3	94,310	-8	71	4,581	+1.1	42,757	-4.5
Missouri.....	1,090	96,968	-1.4	1,841,298	-5.6	513	56,650	-1.4	947,889	-8.3
Montana.....	323	7,912	+3.7	186,535	+3.6	50	2,167	+1.7	43,209	+3.4
Nebraska.....	707	19,416	-1.3	397,109	-3.0	124	9,209	-2.0	175,059	-6.6
Nevada.....	139	1,166	-3.6	29,675	-3.0	24	238	-2.9	5,908	-5.1
New Hampshire.....	437	30,233	-8.5	447,316	-14.7	189	26,995	-9.9	369,775	-17.2
New Jersey.....	1,420	162,065	-3.9	3,358,247	-5.6	⁷ 632	<i>147,152</i>	-3.5	<i>2,868,319</i>	-8.3
New Mexico.....	181	4,356	-6	73,975	-6.1	24	263	+4.4	5,461	+1.4
New York.....	7,163	438,821	-2.3	9,551,497	-3.7	<i>1,671</i>	<i>282,884</i>	-4.5	<i>5,870,601</i>	-5.5
North Carolina.....	876	102,836	-3.7	1,052,678	-6.6	544	98,436	-3.8	983,987	-6.9
North Dakota.....	323	3,721	-1.4	73,285	-4.9	62	932	(⁹)	19,955	-3.1
Ohio.....	4,561	321,096	-4.7	5,374,499	-11.7	1,907	229,770	-5.4	3,644,515	-14.2
Oklahoma.....	701	24,291	-5.5	480,351	-3.2	127	8,817	-1.4	159,811	-4
Oregon.....	744	22,671	-4.0	413,970	-4.9	163	12,337	-6.2	183,592	-9.7
Pennsylvania.....	4,073	562,248	-4.2	9,702,052	-7.8	<i>1,748</i>	<i>290,146</i>	-5.5	<i>3,967,708</i>	-7.7
Rhode Island.....	863	50,199	-4.0	824,282	-8.6	269	40,038	-4.7	599,857	-10.5
South Carolina.....	303	50,194	+1.2	458,378	-2.5	176	46,833	+1.2	406,317	-3.1
South Dakota.....	225	5,041	-1.0	123,357	+1	47	1,871	-5	33,256	-4.3
Tennessee.....	703	54,594	-3.6	694,407	-7.4	262	39,988	-4.8	472,287	-11.0
Texas.....	<i>853</i>	<i>60,419</i>	-8	<i>1,098,302</i>	-2.8	<i>425</i>	<i>24,684</i>	-1.5	<i>467,171</i>	-4.3
Utah.....	260	11,027	-14.4	220,063	-8.9	83	3,116	-31.0	59,638	-16.6
Vermont.....	340	8,572	-8	146,080	-4.2	112	4,737	-7	74,803	-2.8
Virginia.....	1,228	73,898	-2.5	1,068,736	-6.3	407	51,242	-3.5	699,629	-7.2
Washington.....	1,085	41,460	-3	842,371	-5	262	19,683	+1.2	353,318	+4
West Virginia.....	794	83,749	-9	1,208,207	-8.9	180	30,101	+6	487,693	-7.1
Wisconsin.....	¹⁰ 1,079	<i>115,636</i>	-1.1	<i>1,764,118</i>	-4.1	<i>796</i>	<i>90,080</i>	³ -1.4	<i>1,254,960</i>	⁵ -5.1
Wyoming.....	187	5,765	-1.8	114,717	-16.4	29	1,274	-1.2	32,838	-1.9

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

² Includes banks, insurance, and office employment.

³ Includes building and contracting.

⁴ Includes transportation, financial institutions, restaurants, and building construction.

⁵ Weighted percent of change.

⁶ Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional and transportation services.

⁷ Includes laundries.

⁸ Includes laundering and cleaning.

⁹ No change.

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

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN FEBRUARY AND MARCH 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, March 1933	Per cent of change	Amount of pay roll (1 week), March 1933	Per cent of change	Number of establishments	Number on pay roll, March 1933	Per cent of change	Amount of pay roll (1 week), March 1933	Per cent of change
Alabama.....	15	520	-1.1	\$13,602	+3.0	63	1,924	-9.9	\$25,262	-19.0
Arizona.....	19	169	(^o)	4,553	+5	171	1,398	-1.3	23,340	-2.3
Arkansas.....	15	377	-2.8	9,355	-14.5	130	1,262	-6.9	21,701	-6.1
California.....	101	5,260	-1.9	147,197	-3.1	116	21,959	-12.4	420,061	-8.2
Colorado.....	26	655	-9	18,248	+9	270	3,554	+6.6	71,289	+6.6
Connecticut.....	58	1,219	-5	33,355	-2.3	113	4,450	-1.7	87,194	-4.0
Delaware.....	10	173	-1.7	4,696	-1.8	11	159	-1.2	2,652	-7.8
Dist. of Columbia.....	32	411	(^o)	12,680	-1	401	10,194	+1.7	204,064	-1.5
Florida.....	47	734	-2.5	17,653	+1.5	81	1,104	-12.4	20,963	-11.2
Georgia.....	34	456	(^o)	12,654	+2.0	27	1,815	+3.8	27,848	+1.4
Idaho.....	5	75	(^o)	1,890	-4	51	263	-2.2	4,692	-4.0
Illinois.....	16	907	+9	21,221	-1.7	38	18,932	-2.5	363,142	-3.6
Indiana.....	57	1,027	-1.3	24,490	-6.0	162	4,480	-13.4	72,128	-20.3
Iowa.....	35	1,010	-1	24,363	-2.0	24	811	-3.6	11,566	-5.6
Kansas.....	68	1,778	-5.2	40,969	-5.5	313	5,238	-2.2	93,660	-3.8
Kentucky.....	18	335	-6.7	7,112	-10.8	28	1,157	-4	15,820	-4.7
Louisiana.....	26	557	-4.5	12,809	+4	48	2,676	-4.9	35,335	-15.3
Maine.....	17	415	+2.0	9,686	-5	70	962	-2.5	17,379	-6.7
Maryland.....	32	632	+7	14,114	-5	34	4,524	-5.8	70,414	-13.7
Massachusetts.....	740	13,671	-1.8	355,119	-3.0	4,383	56,095	-3.1	1,129,012	-5.5
Michigan.....	51	1,380	-5.0	33,604	-17.2	162	8,901	-2.9	144,969	-15.3
Minnesota.....	60	3,834	-4.5	100,742	-3.1	233	6,652	-2.4	115,704	-3.3
Mississippi.....	4	104	-5.5	1,917	+2.0	56	317	-4.5	3,301	-3.4
Missouri.....	51	4,076	-3.7	104,421	-2.0	132	5,489	+5	100,611	-2.4
Montana.....	13	230	-3.0	6,207	-10.8	80	779	-5.0	16,112	-2.8
Nebraska.....	38	913	-9	24,326	-1.5	188	1,497	-9	28,657	-7
Nevada.....	7	73	-3.9	2,510	-6.0	40	229	-2.6	5,596	-5
New Hampshire.....	14	158	-1.2	4,183	-2.5	54	480	+8.6	8,889	-5
New Jersey.....	29	627	+6	18,983	-7	423	7,108	-1.3	150,940	-5.3
New Mexico.....	7	115	-9	3,843	-1.2	56	255	-1.5	5,750	+3.6
New York.....	445	11,046	-1.0	332,142	-2.9	3,957	59,106	-2.9	1,258,240	-5.5
North Carolina.....	14	177	-6	3,936	-1.2	171	477	+4	9,648	+1.0
North Dakota.....	16	202	-1.5	5,617	+1.6	34	355	+2.0	5,453	-3.5
Ohio.....	231	4,784	-1.2	115,097	-6.8	1,460	26,902	-4.5	458,683	-10.6
Oklahoma.....	46	840	+4	21,897	+1.4	110	1,631	-7.5	25,363	-7.0
Oregon.....	49	1,066	-5	20,339	+8	251	1,961	-3	36,217	-2.3
Pennsylvania.....	126	3,456	-6	92,098	-2.2	335	23,087	-1.5	435,875	-2.6
Rhode Island.....	41	879	+6	20,380	-3.7	472	4,463	-1.6	89,595	-2.7
South Carolina.....	13	167	-2.3	4,254	+1	14	368	+4.0	3,558	-1.8
South Dakota.....	10	119	-2.5	3,410	-9	11	82	-12.8	1,375	-4.5
Tennessee.....	35	630	-1.6	13,082	-3.8	49	2,520	+1.9	36,003	-2.1
Texas.....	143	2,885	-1.1	73,331	-2.3	74	6,021	-2	103,798	-3.8
Utah.....	14	416	(^o)	10,333	+6	23	417	+2.7	5,665	-8
Vermont.....	5	105	(^o)	2,542	+1	37	336	-3.2	5,829	-3.7
Virginia.....	44	936	-2.2	21,848	+2.1	481	4,422	-1.2	78,312	-6
Washington.....	91	2,032	-1.2	52,567	-6	377	5,134	-3.2	98,841	-4.6
West Virginia.....	33	584	-3.3	14,675	-5.8	50	809	-3.6	12,660	-4.9
Wisconsin.....	48	1,841	-4.0	39,228	-12.8	65	7,299	-3.8	111,022	-3.7
Wyoming.....	8	55	-3.5	1,614	+1.3	47	218	+2.8	5,109	-2.9

^o No change.

COMPARISON OF EMPLOYMENT AND PAYROLLS IN IDENTICAL ESTABLISHMENTS
IN FEBRUARY AND MARCH 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 payroll, March 1933	Per cent of change	Amount of payroll (1 week) March 1933	Per cent of change	Number of establishments	Number on payroll, March 1933	Per cent of change	Amount of payroll (1 week) March 1933	Per cent of change
Alabama	10	580	+4.5	\$5,894	+14.3	9	594	-14.8	\$3,676	-28.4
Arizona						19	2,148	-5.8	48,492	-6.3
Arkansas	10	181	-48.9	1,901	-28.4					
California	36	1,016	+4.3	18,751	+2.0	27	2,187	+2.7	50,061	+6.9
Colorado	3	9	+50.0	92	+178.8	17	745	+6.4	18,202	+7.1
Connecticut	11	66	-17.5	1,016	-12.9					
Delaware										
District of Columbia										
Florida	8	506	+1.6	5,536	+1.0					
Georgia	18	744	+4.6	7,000	+7.3					
Idaho						8	1,898	+1.1	36,463	-1.7
Illinois	22	285	-11.5	4,881	-11.0					
Indiana	33	694	+14.3	9,205	+15.3					
Iowa	17	178	-2.2	2,084	+3.9					
Kansas	18	812	+9.7	15,301	-8.9	12	349	-33.8	5,050	-41.8
Kentucky	27	507	-11.2	4,527	+29.7					
Louisiana	4	477	-7.0	4,589	-4.3					
Maine	7	68	+209.1	1,961	+163.9					
Maryland	14	267	-4.2	3,673	+8.5					
Massachusetts	15	188	+26.2	3,366	+32.8					
Michigan	21	334	+8.4	4,735	+16.1	40	4,698	-1.0	46,928	-6.5
Minnesota	5	60	+93.5	1,103	+80.8	33	675	-16.0	8,790	-14.5
Mississippi	4	57	+14.0	739	+41.8					
Missouri	12	203	-9.8	2,642	-12.4	13	1,021	+1.1	19,652	-1.1
Montana	5	10	-28.6	99	+32.0	16	1,343	+31.3	37,237	+34.9
Nebraska	3	46	+48.4	346	+111.0					
Nevada						16	100	-12.3	2,939	-1.8
New Hampshire	8	95	-4.0	2,161	-18.9					
New Jersey	3	27	-25.0	518	-15.6	3	6	-40.0	162	-3.0
New Mexico						5	791	-1.1	14,576	+1.7
New York	44	906	+6.1	16,199	-1.1					
North Carolina	7	72	-16.3	866	+15.0					
North Dakota										
Ohio	64	1,404	+1.6	18,526	-3.9					
Oklahoma	4	60	+13.2	615	+4.4	32	449	-63.6	6,163	-62.7
Oregon						6	48	-18.6	901	-8.3
Pennsylvania	60	1,855	-4.1	17,671	+4.2					
Rhode Island										
South Carolina	4	65	+4.8	565	+48.7					
South Dakota	4	4	-55.6	64	-49.6					
Tennessee	21	1,107	+2.8	13,167	+10.3	4	192	+2.1	2,386	+1.5
Texas	22	351	-14.0	7,093	-15.1					
Utah						12	1,997	-1.9	37,876	+1.4
Vermont	36	1,897	+1.1	34,182	-8.3					
Virginia	15	809	+2.9	6,796	+3.4					
Washington	5	81	+12.5	2,007	+52.7					
West Virginia	7	278	+20.3	3,281	+61.5					
Wisconsin	14	81	+5.2	1,199	+36.6					
Wyoming										

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN FEBRUARY AND MARCH 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, March 1933	Per cent of change	Amount of pay roll (1 week) March 1933	Per cent of change	Number of establishments	Number on pay roll, March 1933	Per cent of change	Amount of pay roll (1 week) March 1933	Per cent of change
Alabama	51	8,945	-0.9	\$70,673	-18.0					
Arizona										
Arkansas	7	321	(*)	5,178	(*)	9	361	-3.2	\$8,470	-3.7
California										
Colorado	43	4,312	-14.4	60,001	-37.8	45	7,167	+4.4	216,205	+1.7
Connecticut										
Delaware										
Dist. of Columbia										
Florida										
Georgia										
Idaho										
Illinois	32	6,936	+1.2	114,153	-29.8	10	187	-6.0	3,911	-2.5
Indiana	52	6,060	+5.0	108,947	-19.3	5	31	-3.1	595	-2.9
Iowa	28	2,642	-5.4	37,850	-37.7					
Kansas	25	1,752	-8.5	22,164	-23.0					
Kentucky	160	24,646	-2.2	253,994	-17.9	5	241	+3.0	3,527	-1.9
Louisiana						8	126	-21.7	3,090	-24.2
Maine										
Maryland	14	1,422	-8.8	10,118	-19.6					
Massachusetts										
Michigan	3	830	-1.2	15,954	-21.1					
Minnesota										
Mississippi										
Missouri	23	1,991	-6.3	24,122	-34.1					
Montana	12	895	-2.8	19,294	-24.1	4	33	(*)	861	-16.2
Nebraska										
Nevada										
New Hampshire										
New Jersey										
New Mexico	14	1,911	-3.3	26,389	-16.9	5	50	+6.4	1,524	+13.6
New York						4	91	-11.7	2,479	-10.4
North Carolina										
North Dakota	9	533	-3.4	8,074	-31.0					
Ohio	76	11,009	-3.6	130,967	-17.0	6	47	+2.2	672	-39.0
Oklahoma	20	788	-14.2	7,315	-49.6	58	4,197	-1.9	108,417	+3.0
Oregon										
Pennsylvania	441	57,042	-2.5	596,756	-9.0	23	612	-3.0	14,646	-5.2
Rhode Island										
South Carolina										
South Dakota										
Tennessee	23	2,905	-1.2	28,433	-4.1					
Texas	5	294	+4.6	5,290	+3.7	5	7,091	+2.3	242,162	+1.2
Utah	18	2,172	-10.0	52,135	-13.6					
Vermont										
Virginia	33	8,291	+4.4	91,980	-18.7					
Washington	10	1,285	-7.5	27,820	-14.6					
West Virginia	328	44,151	-1.9	512,366	-14.2	7	306	+1.3	7,323	+2.5
Wisconsin										
Wyoming	30	3,426	-8.8	57,624	-27.8	5	106	-9.9	2,754	+11.9

* No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS
IN FEBRUARY AND MARCH 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 pay roll, March 1933	Per cent of change	Amount of pay roll (1 week) March 1933	Per cent of change	Number of establishments	Number on pay roll, March 1933	Per cent of change	Amount of pay roll (1 week) March 1933	Per cent of change
Alabama.....	89	1,733	-1.1	\$35,659	-1.8	24	1,073	(⁹)	\$8,720	-3.5
Arizona.....	67	1,203	+7	31,818	+3.8	23	766	-2.8	10,817	+4
Arkansas.....	<i>52</i>	<i>1,769</i>	<i>+2.4</i>	<i>39,258</i>	<i>-1</i>	<i>15</i>	<i>735</i>	<i>-5</i>	<i>6,398</i>	<i>-9.8</i>
California.....	<i>49</i>	<i>45,723</i>	<i>-4</i>	<i>1,252,804</i>	<i>+7</i>	<i>132</i>	<i>9,269</i>	<i>+9</i>	<i>141,819</i>	<i>-2.1</i>
Colorado.....	196	5,228	-4	134,967	+2.2	46	1,269	+2	17,360	+2.4
Connecticut.....	145	9,716	-7	298,622	-2.2	30	1,109	+5	14,256	+4.6
Delaware.....	28	1,083	+2	32,051	+3.9	6	248	-4	2,837	-1.8
District of Columbia.....	22	8,091	-6	227,948	-2.4	52	3,819	+4.7	57,652	+1.7
Florida.....	186	4,191	-5	118,515	+7.8	104	4,557	-1.8	46,577	-3.0
Georgia.....	186	6,508	-1.5	189,203	+4.6	33	1,711	+1.9	14,834	+4
Idaho.....	56	639	+3.1	13,728	+4.8	24	301	(⁹)	4,110	+4.8
Illinois.....	70	<i>67,433</i>	<i>+4</i>	<i>1,860,720</i>	<i>+2.6</i>	<i>11 39</i>	<i>6,739</i>	<i>-3.6</i>	<i>101,071</i>	<i>-8.3</i>
Indiana.....	144	9,217	-3.9	214,838	-3.3	78	2,711	-1.4	27,184	-7.2
Iowa.....	432	9,141	-3.1	206,730	-1.9	70	2,339	+1.7	20,819	-1.6
Kansas.....	<i>26</i>	<i>6,712</i>	<i>-(¹²)</i>	<i>143,292</i>	<i>-4.5</i>	<i>35</i>	<i>785</i>	<i>-1.6</i>	<i>7,721</i>	<i>-5.0</i>
Kentucky.....	296	6,573	-7.1	155,144	-3.3	35	1,435	-2.0	14,677	-4.4
Louisiana.....	154	4,106	-2.4	93,064	-1.1	22	1,824	-1.2	19,386	-3.9
Maine.....	170	2,754	+5	75,834	+2.0	21	658	-4.8	8,132	-7.0
Maryland.....	<i>89</i>	<i>12,295</i>	<i>-5</i>	<i>321,296</i>	<i>-7.1</i>	<i>23</i>	<i>1,195</i>	<i>-4.2</i>	<i>13,895</i>	<i>-5.5</i>
Massachusetts.....	<i>13 196</i>	<i>44,502</i>	<i>-2.1</i>	<i>1,219,489</i>	<i>-6.2</i>	<i>34</i>	<i>3,564</i>	<i>-1.2</i>	<i>46,022</i>	<i>-6.6</i>
Michigan.....	412	21,388	-2.0	590,306	-3.8	90	4,076	-3.4	43,747	-13.6
Minnesota.....	230	11,931	-7	308,297	-2.4	69	2,876	-2	34,716	-9
Mississippi.....	213	1,859	-2.2	38,898	+3.2	17	477	-1.9	3,692	-11.5
Missouri.....	213	20,671	-1.3	553,730	-6	83	4,182	-2.2	49,854	-4.8
Montana.....	101	1,791	+1.4	53,658	+6.3	24	349	-5.7	4,741	-1.5
Nebraska.....	299	5,520	-4	143,594	+1.5	40	1,483	+5	15,345	-5.2
Nevada.....	39	370	-2.4	10,013	-2.8	9	106	-2.8	1,839	+1.9
New Hampshire.....	143	2,022	-1.0	56,184	+5	10	182	-5.7	1,872	-10.1
New Jersey.....	276	21,823	-6	638,568	-1.0	67	3,771	-7.8	45,403	-12.1
New Mexico.....	50	472	-1.0	10,285	+1.5	14	282	-6.3	3,903	-2.2
New York.....	871	102,551	-8	3,130,300	-1	248	29,322	-1.8	457,574	-3.4
North Carolina.....	96	1,763	-2	35,828	-3.4	33	1,264	+1	12,169	+4.0
North Dakota.....	170	1,126	-2.9	27,040	+1.3	22	375	(⁹)	4,038	+6.0
Ohio.....	494	31,943	-8	815,598	(¹²)	151	8,541	-4.1	101,189	-10.4
Oklahoma.....	246	5,827	-1.3	132,137	+1.3	47	1,025	-6.2	10,921	-1.5
Oregon.....	183	5,634	+6	142,001	-3	61	1,076	-3	13,756	+3.1
Pennsylvania.....	671	80,310	-8	2,143,386	-3.0	174	9,004	-1.7	112,474	-1.5
Rhode Island.....	42	3,254	-1.1	91,068	-2.9	14	280	-2.1	3,509	-6.2
South Carolina.....	71	1,683	+2.9	35,890	+3.0	14	504	+1.6	4,060	+2.1
South Dakota.....	129	905	+1	25,098	+6.1	16	279	-3.5	3,147	-5.4
Tennessee.....	251	4,552	-9	104,557	+3.6	37	1,827	-3.3	16,579	-1.2
Texas.....	<i>136</i>	<i>6,111</i>	<i>-1.0</i>	<i>167,046</i>	<i>-1.7</i>	<i>60</i>	<i>3,276</i>	<i>-1.3</i>	<i>37,701</i>	<i>-2.8</i>
Utah.....	68	1,633	-8.3	36,565	-3.2	10	403	-4.3	4,989	-5.1
Vermont.....	121	972	-2.0	23,277	-3.1	20	423	-2.1	4,441	-1
Virginia.....	179	5,631	-8	141,845	+2.0	33	1,565	-1	17,478	+2.9
Washington.....	200	9,466	-1.3	257,219	+1.2	79	2,178	-1.8	25,270	+4
West Virginia.....	123	5,641	+7	148,946	+3.4	38	1,061	-9.5	11,909	-1.2
Wisconsin.....	<i>14 42</i>	<i>10,319</i>	<i>-2.3</i>	<i>279,649</i>	<i>-2.9</i>	<i>11 45</i>	<i>1,154</i>	<i>(¹³)</i>	<i>(¹³)</i>	<i>-----</i>
Wyoming.....	48	407	+2	9,994	+2.7	13	168	+1.2	2,760	+4.9

⁹ No change.

¹¹ Includes restaurants.

¹² Less than one tenth of 1 percent.

¹³ Includes steam railroads.

¹⁴ Includes railways and express.

¹⁵ Data not supplied.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS
IN FEBRUARY AND MARCH 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, March 1933	Percent of change	Amount of pay roll (1 week) March 1933	Percent of change	Number of establishments	Number on pay roll, March 1933	Percent of change	Amount of pay roll (1 week) March 1933	Percent of change
Alabama.....	5	450	-0.9	\$3,136	-12.1					
Arizona.....	9	288	(^o)	3,547	-3.2					
Arkansas.....	17	414	-7	3,708	-8.3					
California.....	¹⁶ 76	5,304	-1.2	90,501	-5.8					
Colorado.....	9	591	-1.3	7,800	-7.0	10	97	-3.0	\$1,701	+4.4
Connecticut.....	26	985	-7.9	15,062	-9.5	9	187	+1.1	3,154	-11.9
Delaware.....	4	294	-3.0	4,266	-3.1	3	38	+5.6	538	+6
Dist. of Columbia.....	21	2,551	+3	38,101	-2	5	97	-2.0	1,817	-2.4
Florida.....	9	436	-7	4,530	-8.4					
Georgia.....	10	562	-2	4,907	+3.6					
Idaho.....										
Illinois.....	¹⁶ 21	1,398	+1.0	18,568	-2.4					
Indiana.....	17	1,306	-2.0	15,734	-6.4	9	120	-8	1,575	-3.2
Iowa.....	3	202	-2.4	2,685	-7.0					
Kansas.....	¹⁶ 38	863	-1.0	10,445	-3.0					
Kentucky.....	14	654	-1.7	7,931	-6.1	5	209	-2.8	2,817	-2.1
Louisiana.....										
Maine.....	17	339	-4.8	4,401	-6.1					
Maryland.....	26	1,801	+6	25,836	-4.5	10	396	-1.9	4,127	-11.2
Massachusetts.....	111	3,672	-1.6	55,864	-3.3	76	1,441	-4.4	20,366	-9.1
Michigan.....	21	1,328	-3.7	14,290	-10.0	13	386	-4.0	5,066	-19.9
Minnesota.....	12	600	(^o)	8,853	-2.7	9	263	+8.2	4,046	+11.5
Mississippi.....	4	125	-3.8	979	-4.2					
Missouri.....	29	2,032	+2.4	27,207	-9	11	339	+6.9	5,460	+13.0
Montana.....	14	280	-3.1	4,491	-6.7					
Nebraska.....	8	610	-7.6	8,109	-10.8	3	25	+4.2	406	+3.8
Nevada.....	4	50	-2.0	870	-12.0					
New Hampshire.....	17	279	+1.5	3,952	-1.4					
New Jersey.....	26	2,801	-3.5	53,117	-4.2	6	172	+6.2	3,729	-6.2
New Mexico.....	5	211	-2.8	3,007	-2.9					
New York.....	72	6,767	-4	108,545	-2.9	15	386	+7.5	6,819	+7.1
North Carolina.....	9	601	-5	5,838	-4.5					
North Dakota.....	9	183	-1.1	2,796	+1					
Ohio.....	74	3,956	-4.2	52,304	-11.0	38	1,389	-9	19,407	-7.4
Oklahoma.....	8	630	-4.4	7,310	-7.9					
Oregon.....						4	48	(^o)	878	+6.7
Pennsylvania.....	42	3,033	-1.2	42,270	-5.0	21	943	-5	13,691	-1.5
Rhode Island.....	19	1,076	-1.8	16,660	-3.9	4	191	+2.1	3,087	-1.3
South Carolina.....	8	299	(^o)	2,806	+2					
South Dakota.....	6	121	-8	1,523	-8					
Tennessee.....	11	738	-9	6,012	-9	3	27	+3.8	323	+5.9
Texas.....	17	852	-3.8	8,928	-4.9	14	342	+1.8	4,709	-3.0
Utah.....	7	501	-8	6,921	-3	6	109	+2.8	1,861	+12.9
Vermont.....	6	74	+2.8	718	-9.7					
Virginia.....	11	636	-1.2	6,652	-2.3	19	215	+4.4	2,770	+5.0
Washington.....	12	566	(^o)	10,332	-1.6	12	138	(^o)	2,173	+6.9
West Virginia.....	20	631	-4.0	7,114	-8.7	8	187	-3.6	2,240	-5.8
Wisconsin.....	¹⁶ 28	909	-1.0	10,490	-6.9					
Wyoming.....	3	66	-1.5	1,005	-14.0					

^o No change.

¹⁶ Includes dyeing and cleaning.

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

IN THE following table are presented the fluctuations in employment and pay-roll totals in March 1933 as compared with February 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 MARCH 1933 AS COMPARED WITH FEBRUARY 1933

Cities	Number of establishments reporting in both months	Number on pay roll		Per cent of change	Amount of pay roll (1 week)		Per cent of change
		February 1933	March 1933		February 1933	March 1933	
New York City.....	4, 923	299, 487	294, 978	-1. 5	\$7, 836, 496	\$7, 711, 878	-1. 6
Chicago, Ill.....	1, 798	186, 918	184, 315	-1. 4	4, 334, 176	4, 215, 777	-2. 7
Philadelphia, Pa.....	834	134, 040	130, 493	-2. 6	2, 986, 464	2, 851, 901	-4. 5
Detroit, Mich.....	644	158, 287	144, 972	-8. 4	2, 844, 585	2, 856, 506	+ .4
Los Angeles, Calif.....	842	60, 070	57, 870	-3. 7	1, 377, 060	1, 288, 399	-6. 4
Cleveland, Ohio.....	1, 076	82, 392	77, 362	-6. 1	1, 675, 824	1, 392, 952	-16. 9
St. Louis, Mo.....	470	60, 945	59, 985	-1. 6	1, 273, 005	1, 187, 312	-6. 7
Baltimore, Md.....	549	43, 923	42, 007	-4. 4	841, 258	790, 482	-6. 0
Boston, Mass.....	2, 636	82, 989	80, 916	-2. 5	1, 965, 701	1, 887, 154	-4. 0
Pittsburgh, Pa.....	411	52, 422	51, 920	-1. 0	1, 061, 441	1, 052, 691	- .8
San Francisco, Calif.....	1, 193	48, 134	48, 245	+ .2	1, 148, 935	1, 127, 893	-1. 8
Buffalo, N. Y.....	355	33, 031	31, 744	-3. 9	686, 141	633, 076	-7. 7
Milwaukee, Wis.....	455	34, 625	35, 039	+1. 2	660, 537	641, 025	-3. 0

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

THE number of employees in the executive civil service of the United States was 5,799 less in March 1933 than in March 1932. Comparing March 1933 with February 1933 there was an increase of 3,499.

These figures do not include the legislative, judicial, or Army and Navy services. The data as shown in the table were compiled by the various Federal departments and offices and sent to the United States Civil Service Commission where they were assembled. They are 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 the amounts of pay rolls. Data are 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 March 1933 with March 1932 there was a decrease of 2.1 percent in the number of Federal employees in the District of Columbia. Comparing March 1933 with February 1933 there was a decrease of 0.2 percent in the

number of permanent employees. The number of temporary employees, however, showed a gain of about 900. This was largely caused by a gain of 857 employees in the Crop Production Loan Office.

EMPLOYEES IN THE EXECUTIVE CIVIL SERVICE OF THE UNITED STATES MARCH 1932 AND FEBRUARY AND MARCH 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:									
March 1932.....	66,095	2,906	69,001	478,593	25,191	503,784	544,688	28,097	572,785
February 1933.....	63,940	2,862	66,802	468,943	27,742	496,685	532,883	30,604	563,487
March 1933.....	63,786	3,771	67,557	468,659	30,770	499,429	532,445	34,541	566,986
Gain or loss:									
March 1932-March 1933.....	-2,309	+865	-1,444	-9,934	+5,579	-4,355	-12,243	+6,444	-5,799
February 1933-March 1933.....	-154	+909	+755	-284	+3,028	+2,744	-438	+3,937	+3,499
Percent of change:									
March 1932-March 1933.....	-3.5	+29.8	-2.1	-2.1	+22.1	- .9	-2.2	+22.9	-1.0
February 1933-March 1933.....	-.2	+31.8	+1.1	-.1	+10.9	+ .6	-.1	+12.9	+ .6
Labor turnover, March 1933:									
Additions.....	199	1,665	1,867	1,864	13,749	15,613	2,063	15,417	17,480
Separations.....	353	759	1,112	2,148	10,721	12,869	2,501	11,480	13,981
Turnover rate per 100.....	31	22.88	1.66	.40	36.65	2.58	.39	35.24	2.47

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 35,800 star route and other contractors, clerks in charge of mail contract stations, clerks in third-class post offices and special-delivery messengers were eliminated in April 1932 and 835 collaborators of the 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 have 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 March 1933. Reports of the Interstate Commerce Commission for class I railroads show that the number of employees (exclusive of executives and officials) decreased from 933,350 on January 15, 1933, to 929,054 on February 15, 1933, or 0.5 percent; the amount of pay roll decreased from \$108,550,265 in January to \$101,507,304 in February, or 6.5 percent.

The monthly trend of employment from January 1923 to February 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 FEBRUARY 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	-----
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	95.3	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 52.9

¹ Average for 2 months.

Wage-Rate Changes in American Industries

Manufacturing Industries

IN THE following table is presented information concerning wage-rate adjustments occurring between February 15, 1933, and March 15, 1933, as shown by reports received from manufacturing establishments supplying employment data to this Bureau. Of the 18,107 manufacturing establishments included in the March survey, 17,639 establishments, or 97.4 percent of the total, reported no change in wage rates over the month interval. The 2,422,063 employees not affected by changes in wage rates constituted 98 percent of the total number of employees covered by the March trend-of-employment survey of manufacturing industries.

Decreases in wage rates were reported by 467 establishments in 72 of the 89 industries surveyed. These establishments represented 2.6 percent of the total number of establishments covered. The wage-rate decreases reported averaged 11.8 percent and affected 49,549 employees, or 2 percent of all employees in the establishments reporting.

One establishment reported wage-rate increases in March, averaging 2 percent, and affecting 180 employees.

TABLE 1.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING MARCH 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.....	18,107	2,471,792	17,639	1	467	2,422,063	180	49,549
Percent of total.....	100.0	100.0	97.4	(¹)	2.6	98.0	(¹)	2.0
Food and kindred products:								
Baking.....	982	61,322	959	—	23	60,745	—	577
Beverages.....	344	10,688	342	—	2	10,619	—	69
Butter.....	311	5,196	304	—	7	5,124	—	72
Confectionery.....	324	31,431	321	—	3	31,255	—	176
Flour.....	424	15,458	408	—	16	14,996	—	462
Ice cream.....	405	10,947	394	—	11	10,767	—	180
Slaughtering and meat pack- ing.....	248	84,225	239	—	9	83,383	—	842
Sugar, beet.....	55	2,880	55	—	—	2,880	—	—
Sugar refining, cane.....	14	7,702	14	—	—	7,702	—	—
Textiles and their products:								
Fabrics:								
Carpets and rugs.....	31	9,367	30	—	1	9,325	—	42
Cotton goods.....	680	226,338	654	—	26	219,111	—	7,227
Cotton small wares.....	114	8,773	112	—	2	8,650	—	123
Dyeing and finishing tex- tiles.....	148	32,562	143	—	5	31,696	—	866
Knit goods.....	442	96,759	426	—	16	93,791	—	2,968
Silk and rayon goods.....	237	39,335	233	—	4	38,693	—	692
Woolen and worsted goods.....	246	46,344	239	—	7	45,449	—	895
Wearing apparel:								
Clothing, men's.....	378	58,852	372	—	6	57,898	—	954
Clothing, women's.....	456	26,318	448	—	8	26,062	—	256
Corsets and allied gar- ments.....	32	5,606	30	—	2	5,509	—	97
Hats, fur-felt.....	35	5,191	35	—	—	5,191	—	—
Men's furnishings.....	70	6,814	67	—	3	6,177	—	637
Millinery.....	127	9,030	124	—	3	8,537	—	493
Shirts and collars.....	112	14,396	112	—	—	14,396	—	—
Iron and steel and their products, not including machinery:								
Bolts, nuts, washers, and rivets.....	68	7,613	62	—	6	6,977	—	636
Cast-iron pipe.....	41	3,793	41	—	—	3,793	—	—
Cutlery (not including silver and plated cutlery) and edge tools.....	128	7,629	125	—	3	7,504	—	125
Forgings, iron and steel.....	62	4,834	60	—	2	4,652	—	182
Hardware.....	106	19,682	100	—	6	19,018	—	664
Iron and steel.....	196	156,035	190	1	5	153,666	180	2,189
Plumbers' supplies.....	69	6,574	66	—	3	6,051	—	523
Steam and hot-water heating apparatus and steam fit- tings.....	98	11,456	97	—	1	11,448	—	8
Stoves.....	161	13,690	159	—	2	13,307	—	383
Structural and ornamental metal work.....	198	13,246	194	—	4	13,055	—	191
Tin cans and other tinware.....	59	7,895	57	—	2	7,883	—	12
Tools (not including edge tools, machine tools, files, and saws).....	128	6,214	124	—	4	5,855	—	359
Wirework.....	68	4,738	67	—	1	4,495	—	243
Machinery, not including trans- portation equipment:								
Agricultural implements:								
Cash registers, adding ma- chines, and calculating ma- chines.....	40	12,050	39	—	1	11,919	—	131
Electrical machinery, appa- ratus, and supplies.....	291	93,738	280	—	11	93,171	—	567
Engines, turbines, tractors, and water wheels.....	91	14,494	88	—	3	12,400	—	2,094
Foundry and machine shop products.....	1,068	90,044	1,036	—	32	88,031	—	2,013
Machine tools.....	143	9,133	141	—	2	9,105	—	28
Radios and phonographs.....	41	15,615	41	—	—	15,615	—	—
Textile machinery and parts.....	46	6,508	42	—	4	6,489	—	19
Typewriters and supplies.....	16	7,649	16	—	—	7,649	—	—

¹ Less than one tenth of 1 percent.

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

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
Nonferrous metals and their parts:								
Aluminum manufactures.....	25	4,808	23		2	4,760		48
Brass, bronze, and copper products.....	210	24,766	204		6	24,575		191
Clocks and watches and time-recording devices.....	26	6,030	26			6,030		
Jewelry.....	141	6,709	138		3	6,389		320
Lighting equipment.....	53	2,371	51		2	2,096		275
Silverware and plated ware.....	52	7,041	50		2	6,930		111
Smelting and refining—cop-per, lead, and zinc.....	31	8,115	31			8,115		
Stamped and enameled ware.....	89	11,242	87		2			518
Transportation equipment:								
Aircraft.....	28	5,964	27		1	5,915		49
Automobiles.....	240	169,571	230		10	167,658		1,913
Cars, electric and steam rail-road.....	39	4,573	38		1	4,553		20
Locomotives.....	11	1,449	11			1,449		
Shipbuilding.....	96	22,453	94		2	22,383		70
Railroad repair shops:								
Electric railroad.....	397	19,864	393		4	19,488		376
Steam railroad.....	548	73,610	545		3	73,429		181
Lumber and allied products:								
Furniture.....	442	36,721	419		23	35,182		1,539
Lumber:								
Millwork.....	452	14,699	439		13	14,367		332
Sawmills.....	608	50,744	593		15	48,417		2,327
Turpentine and rosin.....	25	1,129	21		4	1,111		18
Stone, clay, and glass products:								
Brick, tile, and terra cotta.....	669	13,282	657		12	12,454		828
Cement.....	124	10,467	123		1	10,437		30
Glass.....	191	33,632	187		4	33,281		351
Marble, granite, slate, and other products.....	214	4,354	211		3	4,172		182
Pottery.....	112	13,531	109		3	13,454		77
Leather and its manufactures:								
Boots and shoes.....	328	106,349	321		7	105,284		1,065
Leather.....	152	23,057	147		5	22,826		231
Paper and printing:								
Boxes, paper.....	319	19,997	311		8	19,810		187
Paper and pulp.....	408	75,108	390		18	69,751		5,357
Printing and publishing:								
Book and job.....	745	42,312	722		23	41,259		1,053
Newspapers and period-icals.....	455	61,578	434		21	59,561		2,017
Chemicals and allied products:								
Chemicals.....	112	20,550	110		2	19,970		580
Cottonseed, oil, cake, and meal.....	86	3,462	84		2	3,373		89
Druggists' preparations.....	44	7,245	44			7,245		
Explosives.....	28	3,202	28			3,202		
Fertilizers.....	201	9,078	199		2	9,061		17
Paints and varnishes.....	355	12,760	343		12	12,275		485
Petroleum refining.....	131	47,800	131			47,800		
Rayon and allied products.....	23	27,777	23			27,777		
Soap.....	89	14,024	89			14,024		
Rubber products:								
Rubber boots and shoes.....	8	8,232	8			8,232		
Rubber goods, other than boots, shoes, tires and inner tubes.....	97	17,785	96		1	17,752		33
Rubber tires and inner tubes.....	44	41,043	44			41,043		
Tobacco manufactures:								
Chewing and smoking to-bacco and snuff.....	34	9,960	33		1	9,811		149
Cigars and cigarettes.....	215	37,995	233		2	37,910		85

Nonmanufacturing Industries

DATA concerning wage-rate changes occurring between February 15, 1933, and March 15, 1933, in 14 groups of nonmanufacturing industries are presented in the following table.

No changes in wage rates were reported in the anthracite mining and crude-petroleum producing groups. In the remaining 12 groups decreases in wage rates were reported over the month interval. The average percents of decrease in rates reported in each of the several groups were as follows: Telephone and telegraph, 7 percent; electric-railroad and motor-bus operation, 7.6 percent; power and light, 9.7 percent; canning and preserving, 10 percent; quarrying and non-metallic mining, 10.2 percent; dyeing and cleaning, 11.3 percent; metalliferous mining, 11.8 percent; bituminous coal mining, 13.2 percent; laundries, 13.2 percent; hotels, 13.7 percent; retail trade, 13.8 percent; and wholesale trade, 14 percent. An increase averaging 10 percent was reported in the bituminous coal-mining industry.

TABLE 2.—WAGE CHANGES IN **NONMANUFACTURING** INDUSTRIES DURING MONTH ENDING MARCH 15, 1933

Industrial group	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
Anthracite mining.....	160	74, 677	160	—	—	74, 677	—	—
Percent of total.....	100.0	100.0	100.0	—	—	100.0	—	—
Bituminous coal mining.....	1, 462	194, 744	1, 443	1	18	190, 435	546	3, 763
Percent of total.....	100.0	100.0	98.7	.1	1.2	97.8	.3	1.9
Metalliferous mining.....	285	20, 515	281	—	4	20, 093	—	422
Percent of total.....	100.0	100.0	98.6	—	1.4	97.9	—	2.1
Quarrying and nonmetallic mining.....	624	16, 805	615	—	9	16, 369	—	436
Percent of total.....	100.0	100.0	98.6	—	1.4	97.4	—	2.6
Crude petroleum producing.....	269	24, 028	269	—	—	24, 028	—	—
Percent of total.....	100.0	100.0	100.0	—	—	100.0	—	—
Telephone and telegraph.....	8, 196	280, 431	7, 808	—	388	268, 682	—	11, 749
Percent of total.....	100.0	100.0	95.3	—	4.7	95.8	—	4.2
Power and light.....	3, 361	203, 678	3, 348	—	13	200, 074	—	3, 604
Percent of total.....	100.0	100.0	99.6	—	.4	98.2	—	1.8
Electric-railroad and motor-bus operation and maintenance.....	570	133, 980	560	—	10	132, 690	—	1, 290
Percent of total.....	100.0	100.0	98.2	—	1.8	99.0	—	.1
Wholesale trade.....	2, 984	74, 331	2, 933	—	51	73, 547	—	784
Percent of total.....	100.0	100.0	98.3	—	1.7	98.9	—	1.1
Retail trade.....	17, 049	319, 645	16, 860	—	189	316, 648	—	2, 997
Percent of total.....	100.0	100.0	98.9	—	1.1	99.1	—	.9
Hotels.....	2, 541	130, 995	2, 807	—	33	127, 222	—	3, 773
Percent of total.....	100.0	100.0	98.7	—	1.3	97.1	—	3.0
Canning and preserving.....	814	30, 046	810	—	4	30, 004	—	42
Percent of total.....	100.0	100.0	99.5	—	.5	99.9	—	.1
Laundries.....	939	53, 113	915	—	24	52, 167	—	946
Percent of total.....	100.0	100.0	97.4	—	2.6	98.2	—	1.8
Dyeing and cleaning.....	321	8, 846	315	—	6	8, 392	—	254
Percent of total.....	100.0	100.0	98.1	—	1.9	97.1	—	2.9

