

UNITED STATES DEPARTMENT OF LABOR
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BUREAU OF LABOR STATISTICS
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TREND OF EMPLOYMENT

AUGUST, 1932



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UNITED STATES
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TREND OF EMPLOYMENT

Summary for August, 1932

EMPLOYMENT increased 0.5 per cent in August, 1932, as compared with July, 1932, and earnings decreased 1.0 per cent.

These figures are based on the pay rolls ending nearest the 15th of the month.

The industrial groups surveyed, the number of establishments reporting in each group, the number of employees covered, and the earnings for one week, for both July and August, 1932, together with the per cents of change in August are shown in the following summary:

SUMMARY OF EMPLOYMENT AND EARNINGS, JULY AND AUGUST, 1932

Industrial group	Establishments	Employment		Per cent of change	Earnings in 1 week		Per cent of change
		July, 1932	August, 1932		July, 1932	August, 1932	
Manufacturing.....	18,152	2,490,355	2,503,348	+1.4	\$42,904,628	\$42,892,331	+0.3
Coal mining.....	1,305	210,723	219,007	+3.9	3,035,722	3,443,715	+13.3
Anthracite.....	160	60,818	67,212	+10.5	1,372,668	1,644,300	+19.8
Bituminous.....	1,145	149,905	151,795	+1.3	1,666,054	1,799,415	+8.0
Metalliferous mining.....	256	18,809	18,310	-3.1	337,367	328,982	-2.5
Quarrying and nonmetallic mining.....	628	23,071	23,853	+3.4	366,026	374,357	+2.3
Crude petroleum producing.....	273	21,041	21,793	+3.6	635,273	611,769	-3.7
Public utilities.....	12,044	637,989	629,684	-1.3	17,941,082	17,570,918	-2.1
Telephone and telegraph.....	8,049	277,324	274,060	-1.2	7,482,518	7,427,487	-.7
Power and light.....	3,494	221,821	219,521	-1.0	6,640,186	6,471,438	-2.5
Electric-railroad and motor-bus operation and maintenance.....	501	138,844	136,103	-2.0	3,818,378	3,671,093	-3.9
Trade.....	16,745	390,583	381,898	-2.2	8,528,991	8,224,113	-3.6
Wholesale.....	2,688	70,635	70,494	-2	1,947,717	1,903,709	-2.3
Retail.....	14,057	319,945	311,404	-2.7	6,581,274	6,320,404	-4.0
Hotels.....	2,580	139,871	138,361	-1.1	1,930,567	1,882,502	-2.5
Canning and preserving.....	913	53,280	72,270	+35.6	611,846	844,059	+38.9
Laundries.....	1,006	61,295	66,232	+8.7	984,638	939,574	-3.6
Dyeing and cleaning.....	389	12,602	12,189	-3.5	233,761	219,290	-6.2
Building construction.....	10,462	88,062	86,360	-2.0	2,264,242	2,181,889	-3.6
Total.....	64,762	4,147,771	4,167,215	+.5	79,777,148	79,002,459	-1.0

¹ Weighted per cent of change for the combined 89 manufacturing industries, wherein the proper allowance is made for the relative importance of the several industries so that the figures represent all establishments of the country in the 89 industries surveyed, repeated from Table 1, manufacturing industries; the remaining per cents of change, including total, are unweighted.

² The amount of pay roll given represents cash payments only; the additional value of board, room, and tips can not be computed.

Data are not yet available concerning railroad employment for August, 1932. (See section "Class I steam railroads" for latest figures reported.)

Per capita weekly earnings in August, 1932, for each of the 16 industrial groups included in the bureau's monthly trend-of-employment survey, together with the per cents of change in August, 1932,

as compared with July, 1932, and August, 1931, 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).

PER CAPITA WEEKLY EARNINGS IN AUGUST, 1932, IN 16 INDUSTRIAL GROUPS AND COMPARISON WITH JULY, 1932, AND AUGUST, 1931

Industrial group	Per capita weekly earnings in August, 1932	Per cent of change August, 1932, compared with—	
		July, 1932	August, 1931
Manufacturing	\$16.93	-1.2	-22.7
Coal mining:			
Anthracite	24.46	+8.4	+.4
Bituminous	11.85	+6.7	-32.4
Metalliferous mining	17.97	+.7	-19.9
Quarrying and nonmetallic mining	15.69	-1.1	-27.4
Crude petroleum producing	28.07	-7.0	-17.2
Public utilities:			
Telephone and telegraph	27.10	+.4	-5.8
Power and light	29.48	-1.5	-6.2
Electric-railroad and motor-bus operation and maintenance	26.97	-1.9	-12.2
Trade:			
Wholesale	27.01	-2.0	-12.9
Retail	20.30	-1.3	-14.9
Hotels (cash payments only) ¹	13.46	-2.5	-15.0
Canning and preserving	11.68	+1.7	-9.5
Laundries	15.77	-1.8	-13.6
Dyeing and cleaning	18.03	-2.8	-17.3
Building construction			(?)
Total	\$18.82	* -1.4	* -17.3

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

² Data not available.

³ Does not include building construction.

Employment in Selected Manufacturing Industries in August, 1932

Comparison of Employment and Earnings in August, 1932, with July, 1932, and August, 1931

EMPLOYMENT in manufacturing industries increased 1.4 per cent in August, 1932, as compared with July, 1932, and earnings increased 0.3 per cent over the month interval. Comparing August, 1932, with August, 1931, decreases of 21.3 per cent in employment and 39.2 per cent in earnings are shown over the 12-month period.

The per cents of change in employment and earnings in August, 1932, as compared with July, 1932, are based on returns made by 18,152 establishments in 89 of the principal manufacturing industries in the United States, having in August 2,503,348 employees whose earnings in one week were \$42,392,331.

The index of employment in August, 1932, was 56.0 as compared with 55.2 in July, 1932, 57.5 in June, 1932, and 71.2 in August, 1931; the pay-roll index in August, 1932, was 36.3 as compared with 36.2 in July, 1932, 39.3 in June, 1932, and 59.7 in August, 1931. The 12-month average for 1926 equals 100.

In Table 1, which follows, are shown the number of identical establishments reporting in both July and August, 1932, 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 August 15, and the amount of their weekly earnings in August, the per cents of change over the month and year intervals, and the index numbers of employment and earnings in August, 1932.

The monthly per cents 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 earnings reported in identical establishments for the two months considered. The per cent 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 per cents 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 earnings.

TABLE 1.—COMPARISON OF EMPLOYMENT AND EARNINGS IN MANUFACTURING ESTABLISHMENTS IN JULY AND AUGUST, 1932, AND AUGUST, 1931

Industry	Establishments reporting in both July and August, 1932	Employment		Earnings		Index numbers August, 1932 (average 1926=100)			
		Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change				
					July to August, 1932	August, 1931, to August, 1932			
Food and kindred products.	3,078	238,667	+1.5	-8.7	\$4,944,062	-0.9	-22.0	80.6	68.2
Slaughtering and meat packing	232	82,857	-3	-3.6	1,703,456	-3.0	-21.6	85.0	67.8
Confectionery	326	30,706	+21.8	-3.4	431,408	+23.2	-20.6	71.5	53.3
Ice cream	394	13,545	-2.1	-12.4	366,529	-3.8	-24.2	81.6	66.4
Flour	440	16,061	-9	-8.3	348,326	-1.4	-21.4	82.5	67.9
Baking	952	61,757	-1.1	-11.9	1,377,391	-1.8	-22.0	80.7	67.6
Sugar refining, cane	15	8,117	+8	-9.4	213,184	-7	-16.1	76.4	68.9
Beet sugar	52	4,138	+28.4	-8	92,749	+23.8	-18.0	52.3	41.0
Beverages	340	10,080	-6.3	-20.8	286,564	-8.9	-31.1	74.8	63.8
Butter	327	6,456	-1.1	-8.9	144,155	-1.9	-17.2	103.5	85.6
Textiles and their products.	3,029	539,902	+12.7	-20.0	6,810,425	+24.9	-40.1	62.3	49.1
Cotton goods	694	193,956	+10.2	-18.4	1,911,919	+16.9	-40.3	61.2	38.4
Hosiery and knit goods	447	92,973	+7.6	-10.6	1,110,136	+14.4	-31.2	72.7	46.2
Silk goods	248	39,691	+29.7	-17.8	539,821	+42.7	-37.5	53.7	36.8
Woolen and worsted goods	253	54,416	+23.8	-18.7	863,952	+31.2	-38.1	70.4	50.4
Carpets and rugs	33	12,364	+6.1	-38.5	166,446	+3.8	-59.0	47.1	24.2
Dyeing and finishing textiles	147	29,609	+6.3	-19.0	523,500	+25.4	-38.9	68.1	47.3
Clothing, men's	354	54,488	+10.4	-20.8	746,872	+37.3	-45.1	62.3	35.7
Shirts and collars	107	12,317	-1.3	-30.0	127,945	+4.3	-46.2	50.7	31.8
Clothing, women's	369	20,309	+17.6	-23.3	375,391	+36.2	-45.0	53.4	34.9
Millinery	123	7,636	+32.5	-19.4	131,724	+51.4	-35.3	62.4	43.1
Corsets and allied garments	30	5,119	+1.9	-8.7	64,141	-2.5	-28.2	92.6	61.6
Cotton small wares	112	7,324	-1.1	-22.5	99,098	-1.1	-41.6	68.5	44.3
Hats, fur-felt	37	5,476	+14.5	-20.7	107,234	+35.1	-34.3	68.0	44.0
Men's furnishings	77	4,224	-7	-30.1	42,246	-8.4	-56.2	46.3	26.0

¹ No change.

TABLE 1.—COMPARISON OF EMPLOYMENT AND EARNINGS IN MANUFACTURING ESTABLISHMENTS IN JULY AND AUGUST, 1932, AND AUGUST, 1931—Continued

Industry	Establishments reporting in both July and August, 1932	Employment			Earnings			Index numbers August, 1932 (average 1926=100)	
		Number on pay roll August, 1932	Per cent of change		Amount of pay roll (1 week) August, 1932	Per cent of change			
			July to August, 1932	August, 1931, to August, 1932		July to August, 1932	August, 1931, to August, 1932	Employment	Pay roll totals
Iron and steel and their products, not including machinery									
Iron and steel	1,401	270,381	-1.6	-26.4	\$3,716,782	(1)	-52.9	50.8	23.1
Cast-iron pipe	212	162,725	-2.5	-26.1	1,910,598	-9	-57.8	50.4	19.5
Structural and ornamental ironwork	39	5,652	-4.3	-45.7	70,935	-7.6	-64.3	30.7	15.8
Hardware	187	15,401	-1.3	-38.1	266,850	-1	-56.7	44.6	25.0
Steam fittings and steam and hot-water heating apparatus	115	20,116	-2.6	-25.2	142,439	-3.3	-52.7	46.4	20.9
Stoves	105	13,242	+1.9	-35.6	223,401	+1.2	-49.7	33.1	18.8
Bolts, nuts, washers, and rivets	100	13,947	+7.3	-27.2	226,267	+9.6	-45.2	43.7	23.8
Cutlery (not including silver and plated cutlery) and edge tools	68	8,147	-3.6	-21.9	108,713	-7.8	-49.7	60.3	20.2
Forgings, iron and steel	127	8,744	+1.3	-12.3	149,294	-2.3	-29.2	63.0	39.5
Plumbers' supplies	62	5,239	-3.3	-22.7	75,375	-16.8	-50.3	53.0	25.1
Tin cans and other tinware	69	6,823	-3.8	-21.3	115,139	+11.2	-45.3	58.0	34.4
Tools (not including edge tools, machine tools, files, or saws)	58	8,618	+5	-13.8	167,426	+3.8	-21.5	75.5	45.2
Wirework	129	5,671	-8.1	-34.0	77,730	-8.7	-54.1	54.4	26.6
Wirework	70	5,056	+3.3	-16.6	82,825	+11.3	-37.9	90.2	59.5
Lumber and allied products	1,598	114,467	(1)	-29.6	1,425,438	+1.0	-52.6	36.4	19.3
Lumber—									
Sawmills	631	56,990	-7	-28.6	635,612	-2.4	-53.4	34.5	17.3
Millwork	465	16,980	+2.7	-34.2	248,232	-4.2	-54.3	34.6	19.9
Furniture	481	39,497	+12.2	-31.2	527,396	+13.4	-52.2	41.6	21.8
Turpentine and rosin	21	1,000	-7.1	-17.3	14,198	-6.2	-25.7	41.5	36.7
Leather and its manufactures	497	131,726	+6.2	-12.3	2,077,372	+11.4	-31.7	75.2	49.8
Leather	165	22,877	+2.1	-19.6	427,607	+5.0	-36.3	64.4	48.2
Boots and shoes	332	108,849	+7.2	-10.6	1,649,765	+13.5	-30.2	77.9	50.3
Paper and printing	1,971	269,248	-1.4	-13.3	5,141,947	-2.3	-27.3	77.3	62.7
Paper and pulp	419	76,610	+2	-11.1	1,333,944	+1.8	-32.8	72.2	46.7
Paper boxes	315	19,367	+1	-17.9	327,095	-1	-32.3	66.6	52.8
Printing—									
Book and job	766	47,648	-4.0	-19.8	1,266,849	-5.2	-33.2	70.9	56.8
Newspapers and periodicals	471	65,623	-9	-7.3	2,214,059	-2.5	-18.8	95.1	83.0
Chemicals and allied products	1,028	128,722	-6	-17.1	2,981,529	-7	-29.3	67.6	56.1
Chemicals	116	19,643	-1.0	-11.7	468,396	(1)	-25.4	81.3	58.6
Fertilizers	209	4,908	+12.5	-22.6	67,188	+5.1	-38.2	34.2	25.2
Petroleum refining	118	47,656	-2.1	-12.3	1,355,437	-9	-20.3	62.8	56.2
Cottonseed, oil, cake, and meal	53	1,605	-2.3	+24.4	20,510	-6	-4.1	27.5	28.1
Druggists' preparations	41	7,149	+3.2	-17.0	141,799	+2.4	-25.8	68.2	65.7
Explosives	22	2,678	+3.9	-28.7	49,516	+1.8	-47.3	69.2	43.6
Paints and varnishes	360	14,969	-4.3	-15.9	306,850	-8.1	-34.5	66.0	48.7
Rayon	22	18,014	-1	-41.5	294,656	+4.6	-53.0	92.8	74.5
Soap	87	12,100	+8	-5.3	277,177	-1.4	-20.9	93.9	81.5
Stone, clay, and glass products	1,327	81,782	+1.2	-33.2	1,324,153	+2.8	-49.9	42.3	25.5
Cement	124	12,968	-6.3	-38.0	237,632	-3.2	-55.7	38.0	23.4
Brick, tile, and terra cotta	667	19,857	+1.9	-38.7	244,364	+4.4	-57.8	29.9	13.7
Pottery	122	12,854	+7.7	-29.6	176,290	+9.6	-50.3	52.0	26.7
Glass	196	30,387	-3.4	-25.7	538,468	-2.8	-41.0	52.7	36.5
Marble, granite, slate, and other stone products	218	5,716	+0.9	-35.2	127,399	+10.1	-49.1	52.2	35.6

1 No change.

* Less than one-tenth of 1 per cent.

TABLE 1.—COMPARISON OF EMPLOYMENT AND EARNINGS IN MANUFACTURING ESTABLISHMENTS IN JULY AND AUGUST, 1932, AND AUGUST, 1931—Continued

Industry	Establishments reporting in both July and August, 1932	Employment			Earnings			Index numbers August, 1932 (average 1926=100)	
		Number on pay roll August, 1932	Per cent of change		Amount of pay roll (1 week) August, 1932	Per cent of change			
			July to August, 1932	August, 1931, to August, 1932		July to August, 1932	August, 1931, to August, 1932	Employment	Pay roll totals
Nonferrous metals and their products									
Stamped and enameled ware	633	72,563	+2.7	-23.1	\$1,160,119	+2.3	-42.5	50.2	30.6
Brass, bronze, and copper products	91	12,397	+.6	-18.8	192,698	+2.3	-39.0	57.0	34.6
Aluminum manufacturing	206	26,197	-1.0	-23.2	409,248	-2.9	-44.4	49.3	27.8
Clocks, time recording devices, and clock movements	27	4,752	+4.1	-23.6	63,391	+7.9	-49.7	46.3	23.5
Gas and electric fixtures, lamps, lanterns, and reflectors	22	3,383	+36.1	-28.2	43,447	+39.0	-46.8	41.6	26.4
Plated ware	54	4,316	+25.4	-31.5	85,796	+20.9	-44.1	60.6	41.4
Smelting and refining—copper, lead, and zinc	54	6,969	+8.0	-19.2	122,283	+6.9	-38.1	57.5	34.0
Jewelry	28	7,157	-7.1	-20.7	115,019	-10.0	-40.6	53.9	33.1
151	7,392	+13.9	-28.6	128,232	+12.1	-44.7	35.4	21.9	
Tobacco manufacturers									
Chewing and smoking tobacco and snuff	254	55,619	(1)	-18.2	708,441	-3.8	-25.2	70.3	52.5
Cigars and cigarettes	35	10,237	+1.1	+6.5	139,400	+2.8	-8.5	88.7	71.8
219	46,382	-3	-15.9	569,041	-4.9	-27.5	87.9	50.2	
Transportation equipment									
Automobiles	419	242,720	-11.1	-22.7	4,564,670	-22.7	-35.1	50.5	32.0
Aircraft	247	204,683	-12.2	-22.4	3,714,068	-24.9	-35.1	52.0	31.8
Cars, electric and steam railroad	29	4,260	-5.4	-27.9	138,669	+1.0	-24.4	170.7	183.2
Locomotives	35	4,507	-5.7	-21.1	79,500	-2.5	-37.3	18.6	11.1
Shipbuilding	11	2,402	-4.2	-39.8	52,098	-4.5	-49.8	15.9	11.6
97	26,868	-6.1	-19.6	580,335	-17.4	-35.4	71.5	52.6	
Rubber products									
Rubber tires and inner tubes	152	67,550	-2.1	-11.6	1,255,306	-8.4	-32.8	61.1	40.1
Rubber boots and shoes	41	44,361	-4.3	-10.4	870,317	-13.7	-32.8	62.2	39.0
Rubber goods, other than boots, shoes, tires, and inner tubes	7	5,566	+6.4	-13.8	87,606	+15.8	-35.5	53.8	33.4
104	17,623	-1.6	-12.8	297,383	-4.7	-31.9	76.2	47.7	
Machinery, not including transportation equipment									
Agricultural implements	1,833	258,648	-4.4	-31.7	4,340,768	-6.2	-50.3	45.2	25.7
Electrical machinery, apparatus, and supplies	76	5,210	+9.6	-30.7	80,697	+10.7	-35.4	21.7	15.5
Engines, turbines, tractors, and water wheels	291	91,467	-3.6	-30.6	1,553,235	-9.6	-51.6	53.5	33.4
Cash registers, adding machines, and calculating machines	85	15,029	-5.4	-35.1	281,360	-3.7	-47.1	39.4	23.1
45	13,130	-11.8	-23.2	306,555	-3.9	-33.7	62.1	45.1	
Foundry and machine-shop products	1,092	96,376	-5.6	-30.0	1,487,906	-6.2	-49.4	42.8	21.9
Machine tools	151	9,804	-7.0	-47.3	177,898	-5.6	-61.7	28.6	16.9
Textile machinery and parts	35	5,630	+18.9	-33.8	90,867	+34.0	-52.9	49.3	28.9
18	6,297	-28.8	-46.7	88,175	-25.0	-60.2	40.7	21.7	
Typewriters and supplies	40	15,705	+1.9	-36.4	274,075	-6.1	-51.6	63.1	44.9
Radio	932	87,553	-4.9	-24.3	1,941,319	-3.5	-40.2	44.8	33.0
Railroad repair shops	403	21,141	-2.1	-11.1	544,780	-4.3	-22.0	66.7	54.6
Electric railroad	529	66,212	-5.3	-25.7	1,396,539	-3.2	-42.1	43.1	31.3
Total, 89 industries	18,152	2,503,348	+1.4	-21.3	42,392,331	+1.3	-39.2	56.0	36.3

¹No change.

Per Capita Earnings in Manufacturing Industries

PER capita weekly earnings in August, 1932, for each of the 89 manufacturing industries surveyed by the Bureau of Labor Statistics, together with the per cent of change in August, 1932, as compared with July, 1932, and August, 1931, 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 AUGUST, 1932, AND COMPARISON WITH JULY, 1932, AND AUGUST, 1931

Industry	Per capita weekly earnings in August, 1932	Per cent of change compared with—	
		July, 1932	August, 1931
Food and kindred products:			
Slaughtering and meat packing	\$20.56	-2.7	-18.6
Confectionery	14.05	+1.2	-17.9
Ice cream	27.08	-1.7	-13.4
Flour	21.69	-.5	-14.1
Baking	22.30	-.8	-11.4
Sugar refining, cane	26.26	-1.5	-7.2
Beet sugar	22.41	-3.6	-17.5
Beverages	26.58	-2.8	-12.1
Butter	22.33	-.8	-9.1
Textiles and their products:			
Cotton goods	9.86	+6.1	-26.7
Hosiery and knit goods	11.94	+6.3	-23.2
Silk goods	13.60	+10.0	-24.4
Woolen and worsted goods	15.88	+6.0	-23.9
Carpets and rugs	13.46	-2.2	-33.6
Dyeing and finishing textiles	17.68	+17.9	-24.4
Clothing, men's	13.71	+24.4	-30.4
Shirts and collars	10.39	+5.7	-22.6
Clothing, women's	18.48	+15.8	-17.6
Millinery	17.25	+14.3	-19.6
Corsets and allied garments	12.53	-4.4	-21.5
Cotton small wares	13.53	(¹)	-24.8
Hats, fur-felt	19.58	+17.9	-17.0
Men's furnishings	10.00	-7.8	-37.6
Iron and steel and their products, not including machinery:			
Iron and steel	11.74	+1.6	-43.0
Cast-iron pipe	12.55	-3.5	-34.0
Structural and ornamental ironwork	17.33	+1.2	-30.2
Hardware	12.05	-.7	-36.9
Steam fittings and steam and hot-water heating apparatus	16.87	-7	-22.2
Stoves	16.22	+2.1	-25.1
Bolts, nuts, washers, and rivets	13.34	-4.3	-35.6
Cutlery (not including silver and plated cutlery) and edge tools	17.07	-3.6	-19.1
Forgings, iron and steel	14.39	-14.0	-35.6
Plumbers' supplies	16.88	+15.6	-30.6
Tin cans and other tinware	19.43	+3.3	-9.0
Tools (not including edge tools, machine tools, files, or saws)	13.71	-.7	-30.5
Wirework	16.34	+7.7	-25.7
Lumber and allied products:			
Lumber—			
Sawmills	11.15	-1.8	-34.4
Millwork	14.62	-3.4	-30.3
Furniture	13.35	+11.0	-30.3
Turpentine and rosin	14.20	+1.1	-9.9
Leather and its manufactures:			
Leather	18.69	+2.9	-20.9
Boots and shoes	15.16	+5.9	-21.8
Paper and printing:			
Paper and pulp	17.41	+1.8	-24.2
Paper boxes	16.89	-.2	-17.5
Printing—			
Book and job	26.59	-1.2	-16.7
Newspapers and periodicals	33.74	-1.6	-12.3

¹ No change.

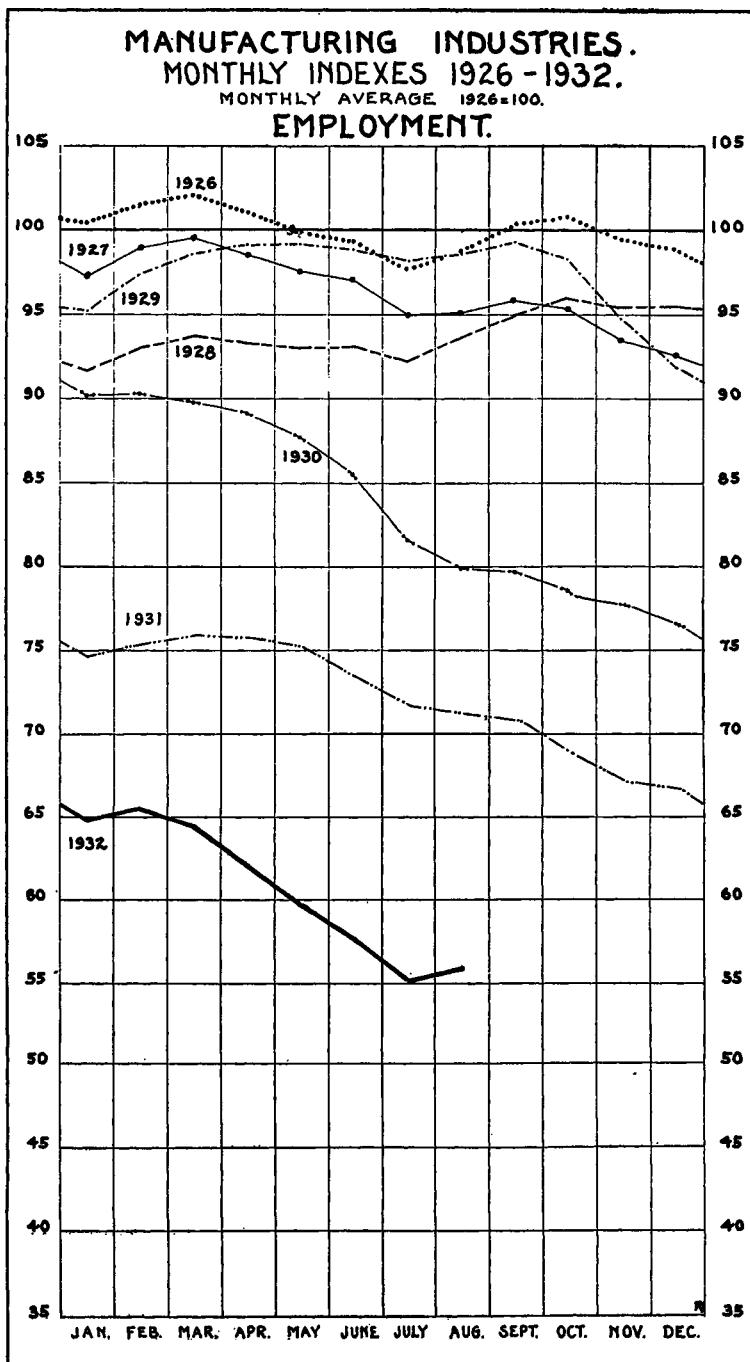
TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN AUGUST, 1932, AND COMPARISON WITH JULY, 1932, AND AUGUST, 1931—Continued

Industry	Per capita weekly earnings in August, 1932	Per cent of change compared with—	
		July, 1932	August, 1931
Chemicals and allied products:			
Chemicals	\$23.85	+1.1	-15.3
Fertilizers	13.69	-6.6	-20.3
Petroleum refining	28.44	+1.2	-9.1
Cottonseed oil, cake, and meal	12.78	+1.8	-22.6
Druggists' preparations	19.83	-.8	-10.6
Explosives	18.49	-2.0	-26.2
Paints and varnishes	20.50	-4.0	-22.2
Rayon	18.36	+4.7	-19.8
Soap	22.91	-2.2	-16.6
Stone, clay, and glass products:			
Cement	18.32	+3.3	-28.4
Brick, tile, and terra cotta	12.31	+2.6	-31.1
Pottery	13.71	+1.7	-29.3
Glass	17.72	+.6	-20.8
Marble, granite, slate, and other stone products	22.29	+.2	-21.7
Nonferrous metals and their products:			
Stamped and enameled ware	15.54	+1.7	-24.9
Brass, bronze, and copper products	15.62	-1.9	-27.6
Aluminum manufactures	13.34	+3.7	-34.1
Clocks, time-recording devices, and clock movements	12.84	+2.1	-25.9
Gas and electric fixtures, lamps, lanterns, and reflectors	19.88	-3.5	-18.2
Plated ware	17.55	-1.0	-23.4
Smelting and refining—copper, lead, and zinc	16.07	-3.1	-25.0
Jewelry	17.35	-1.5	-22.4
Tobacco manufactures:			
Chewing and smoking tobacco and snuff	13.62	+1.7	-13.9
Cigars and cigarettes	12.54	-4.6	-13.8
Transportation equipment:			
Automobiles	18.15	-14.5	-16.4
Aircraft	32.55	+6.7	+4.9
Cars, electric and steam railroad	17.64	+3.3	-8.6
Locomotives	21.69	-.3	-17.0
Shipbuilding	21.60	-12.0	-20.0
Rubber products:			
Rubber tires and inner tubes	19.62	-9.8	-25.2
Rubber boots and shoes	15.74	+8.9	-25.4
Rubber goods, other than boots, shoes, tires, and inner tubes	16.87	-3.2	-21.7
Machinery, not including transportation equipment:			
Agricultural implements	15.49	+1.0	-6.6
Electrical machinery, apparatus, and supplies	16.98	-6.2	-29.8
Engines, turbines, tractors, and water wheels	18.72	+1.7	-.1
Cash registers, adding machines, and calculating machines	23.35	+9.0	-13.6
Foundry and machine-shop products	15.44	-.6	-27.6
Machine tools	18.15	+1.6	-27.2
Textile machinery and parts	16.14	+12.7	-28.9
Typewriters and supplies	14.00	+5.3	-25.3
Radio	17.45	-6.9	-24.0
Railroad repair shops:			
Electric-railroad repair shops	25.77	-2.2	-12.3
Steam-railroad repair shops	21.09	+2.2	-22.0

General Index Numbers of Employment and Earnings in Manufacturing Industries

GENERAL index numbers of employment and earnings in manufacturing industries by months, from January, 1926, to August, 1932, together with average indexes for each of the years from 1926 to 1931, and for the 8-month period, January to August, 1932, inclusive, are shown in Table 3. In computing these general indexes, the index numbers of each of the separate industries are weighted according to their relative importance in the total. Preceding this table are two charts prepared from these general indexes showing the course of employment and earnings for each of the years 1926 to 1931, inclusive, and for the months from January to August, 1932.

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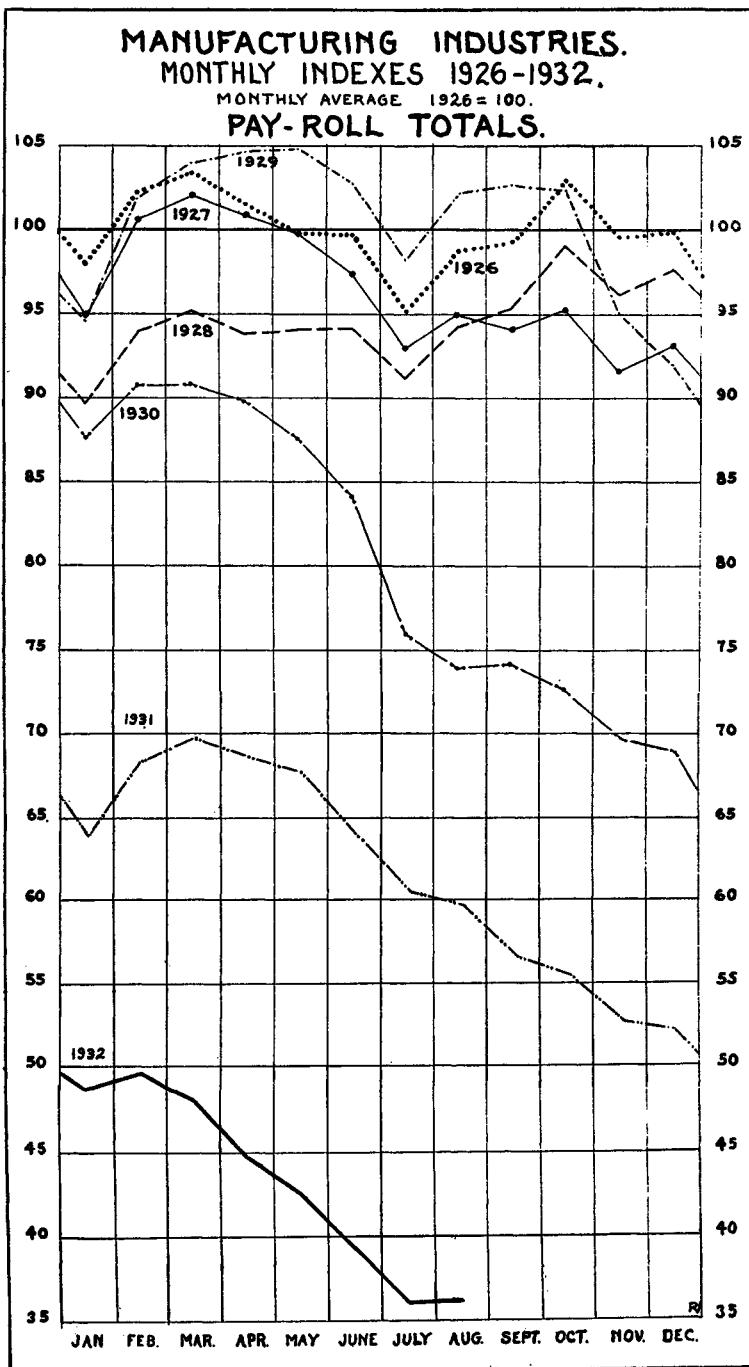


TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND EARNINGS IN MANUFACTURING INDUSTRIES, JANUARY, 1926, TO AUGUST, 1932
[12-month average, 1926=100]

Month	Employment							Earnings						
	1926	1927	1928	1929	1930	1931	1932	1926	1927	1928	1929	1930	1931	1932
January.....	100.4	97.3	91.6	95.2	90.7	74.6	64.8	98.0	94.9	80.6	95.5	88.1	63.7	48.6
February.....	101.5	99.0	93.0	97.4	90.9	75.3	65.6	102.2	100.6	93.9	101.8	91.3	68.1	49.6
March.....	102.0	99.5	93.7	98.6	90.5	75.9	64.5	103.4	102.0	93.2	103.9	91.6	69.0	48.2
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	94.0	102.1	75.0	59.7	36.3
September.....	100.3	95.8	95.0	99.3	80.9	70.9	—	99.3	94.1	95.4	102.6	75.4	56.7	—
October.....	100.7	95.3	95.9	98.4	79.9	68.9	—	102.9	95.2	99.0	102.4	74.0	55.3	—
November.....	99.5	93.5	95.4	95.0	77.0	67.1	—	99.6	91.6	96.1	95.4	69.6	52.5	—
December.....	98.9	92.6	95.5	92.3	76.6	66.7	—	99.8	93.2	97.7	92.4	68.8	52.2	—
Average.....	100.0	96.4	93.8	97.5	84.7	72.2	60.7	100.0	96.5	94.5	100.5	81.3	61.5	43.2

¹ Average for 8 months.

Time Worked in Manufacturing Industries in August, 1932

REPORTS as to working time in August were received from 13,255 establishments in 89 manufacturing industries. Four per cent of these establishments were idle, 40 per cent operated on a full-time basis, and 56 per cent worked on a part-time schedule.

An average of 83 per cent of full-time operation in August was shown by reports received from all the operating establishments included in Table 4. The establishments working part time in August averaged 71 per cent of full-time operation.

TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN AUGUST, 1932

Industry	Establishments reporting		Per cent of establishments in which employees worked—		Average per cent of full time reported by—	
	Total number	Per cent idle	Full time	Part time	All operating establishments	Establishments operating part time
Food and kindred products.....						
Slaughtering and meat packing.....	2,375	1	73	26	94	78
Confectionery.....	167	1	72	27	96	87
Ice cream.....	239	3	30	68	81	73
Flour.....	319		80	20	97	84
Baking.....	390	1	69	30	92	74
Sugar refining, cane.....	633		85	15	97	78
Beet sugar.....	13	23	31	46	90	83
Beverages.....	49		90	10	99	88
Butter.....	292		74	26	95	79
	273		84	16	97	85
Textiles and their products.....	2,263	9	47	44	88	74
Cotton goods.....	633	9	39	52	84	71
Hosiery and knit goods.....	361	6	55	40	90	76
Silk goods.....	196	12	64	24	93	74
Woolen and worsted goods.....	220	10	64	26	92	74
Carpets and rugs.....	26	15	15	69	73	67
Dyeing and finishing textiles.....	134	2	42	56	86	75
Clothing, men's.....	214	14	44	42	89	77
Shirts and collars.....	68	15	37	49	90	82
Clothing, women's.....	135	19	53	27	92	77
Millinery.....	77	6	56	38	93	83
Corsets and allied garments.....	19		47	53	87	74
Cotton small wares.....	102	2	25	74	82	75
Hats, fur-felt.....	25		48	52	85	70
Men's furnishings.....	53	11	28	60	80	71

TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES
BY ESTABLISHMENTS REPORTING IN AUGUST, 1932—Continued

Industry	Establishments reporting		Per cent of establish- ments in which employ- ees worked—		Average per cent of full time reported by—	
	Total number	Per cent idle	Full time	Part time	All op- erating estab- lishments	Estab- lishments operating part time
Iron and steel and their products, not including machinery.						
Iron and steel	1,030	5	12	83	67	62
Cast-iron pipe	158	11	8	80	57	53
Structural and ornamental ironwork	35	11	9	80	54	49
Hardware	130	4	8	88	73	70
Steam fittings and steam and hot-water heating apparatus	55	2	4	95	64	62
Stoves	85	6	2	92	58	57
Bolts, nuts, washers, and rivets	114	5	11	84	69	65
Cutlery (not including silver and plated cutlery) and edge tools	60	—	7	93	65	63
Forgings, iron and steel	99	2	23	75	72	63
Plumbers' supplies	34	—	15	85	64	57
Tin cans and other tinware	54	6	13	81	73	69
Tools (not including edge tools, machine tools, files, or saws)	49	4	43	53	87	77
Wirework	106	5	16	79	68	61
	51	—	16	84	74	69
Lumber and allied products.	1,073	7	22	72	74	66
Lumber, sawmills	438	9	14	77	70	64
Lumber, millwork	285	4	20	76	75	68
Furniture	332	6	32	62	79	67
Turpentine and rosin	18	11	28	61	87	80
Leather and its manufactures.	376	2	32	66	84	76
Leather	127	2	39	59	85	76
Boots and shoes	249	1	29	69	83	76
Paper and printing.	1,546	1	34	64	83	75
Paper and pulp	320	4	28	68	77	68
Paper boxes	256	(¹)	9	91	75	73
Printing, book and job	601	(¹)	20	79	81	76
Printing, newspapers and periodicals	369	—	81	19	98	89
Chemicals and allied products.	762	2	53	44	90	79
Chemicals	79	5	66	29	95	85
Fertilizers	148	5	61	34	93	81
Petroleum refining	63	5	79	16	98	88
Cottonseed oil, cake, and meal	42	—	45	55	80	63
Druggists' preparations	27	—	37	63	91	85
Explosives	11	9	—	91	83	83
Paints and varnishes	307	1	45	55	87	77
Rayon	12	17	58	25	90	67
Soap	73	—	56	44	93	85
Stone, clay, and glass products.	767	14	34	53	79	66
Cement	71	10	79	11	97	73
Brick, tile, and terra cotta	291	22	19	59	72	63
Pottery	93	6	15	78	67	61
Glass	131	12	66	22	93	72
Marble, granite, slate, and other stone products	181	7	26	67	79	70
Nonferrous metals and their products.	477	2	17	81	73	68
Stamped and enameled ware	80	—	11	89	75	72
Brass, bronze, and copper products	135	3	16	81	73	68
Aluminum manufactures	14	—	7	93	67	64
Clocks, time-recording devices, and clock movements	19	5	16	79	64	56
Gas and electric fixtures, lamps, lanterns, and reflectors	43	2	16	81	76	71
Plated ware	46	—	13	87	72	68
Smelting and refining—copper, lead, and zinc	19	16	32	53	82	72
Jewelry	121	2	24	74	73	64
Tobacco manufactures.	199	5	21	74	70	73
Chewing and smoking tobacco and snuff	31	3	26	71	81	74
Cigars and cigarettes	168	5	20	74	79	73

¹ Less than one-half of 1 per cent.

TABLE 4.—PROPORTION OF FULL TIME WORKED IN MANUFACTURING INDUSTRIES BY ESTABLISHMENTS REPORTING IN AUGUST, 1932—Continued

Industry	Establishments reporting		Per cent of establishments in which employees worked—		Average per cent of full time reported by—	
	Total number	Per cent idle	Full time	Part time	All operating establishments	Establishments operating part time
Transportation equipment.						
Automobiles	275	5	27	67	78	70
Aircraft	150	5	13	82	70	66
Cars, electric and steam railroad	24	8	50	42	92	83
Locomotives	25	4	20	76	76	70
Shipbuilding	8		13	88	79	76
	68	6	56	38	93	82
Rubber products.						
Rubber tires and inner tubes	120	1	28	71	82	75
Rubber boots and shoes	27		26	74	81	74
Rubber goods, other than boots, shoes, tires, and inner tubes	5			100	90	90
	88	1	31	68	82	73
Machinery, not including transportation equipment.						
Agricultural implements	1,231	3	19	78	72	66
Electrical machinery, apparatus, and supplies	61	8	31	61	81	71
Engines, turbines, tractors, and water wheels	175	2	14	84	74	70
Cash registers, adding machines, and calculating machines	59		20	80	75	69
Foundry and machine-shop products	34	6	35	59	83	73
Machine tools	727	3	18	79	70	63
Textile machinery and parts	114	4	10	86	73	70
Typewriters and supplies	29	3	21	76	76	70
Radio	9		33	67	74	61
	23		48	52	88	78
Railroad repair shops.						
Electric-railroad repair shops	761	1	46	53	90	80
Steam-railroad repair shops	343		66	34	94	83
	418	2	30	68	85	79
Total, 88 industries.	12,255	4	40	56	83	71

Employment in Nonmanufacturing Industries in August, 1932

IN THE following table are presented employment and pay-roll data for 14 groups of nonmanufacturing industries, the totals of which also appear in the summary table of employment and earnings.

TABLE 1.—COMPARISON OF EMPLOYMENT AND EARNINGS IN NONMANUFACTURING ESTABLISHMENTS IN JULY AND AUGUST, 1932, AND AUGUST, 1931

Industrial group	Establishments reporting in both July and August, 1932	Employment		Pay roll totals		Index numbers (average 1929=100)			
		Number on pay roll, July, 1932	Per cent of change	Amount of pay roll (1 week)	Per cent of change				
					July to August, 1932	to August, 1932			
Anthracite mining	160	67,212	+10.5	-26.9	\$1,644,300	+19.8	-26.6	49.2	41.4
Bituminous coal mining	1,145	151,795	+1.3	-22.9	1,799,415	+8.0	-47.8	59.4	26.4
Metalliferous mining	256	18,310	-3.1	-48.7	328,982	-2.5	-59.0	28.6	16.5
Quarrying and nonmetallic mining	628	23,853	+3.4	-25.8	374,357	+2.3	-46.1	51.1	29.7
Crude petroleum producing	273	21,793	+3.6	-8.0	611,769	-3.7	-23.8	57.4	42.9
Telephone and telegraph	8,049	274,060	-1.2	-9.1	7,427,487	-0.7	-14.3	78.1	79.1
Power and light	3,494	218,521	-1.0	-15.0	6,471,438	-2.5	-20.3	81.5	76.7
Electric-railroad and motor-bus operation and maintenance	501	136,103	-2.0	-12.6	3,671,093	-3.9	-23.3	74.1	62.8
Wholesale trade	2,688	70,494	-0.2	-11.7	1,903,709	-2.3	-23.0	76.4	63.2
Retail trade	14,057	311,404	-2.7	-11.2	6,320,404	-4.0	-24.4	72.6	60.7
Hotels	2,580	138,361	-1.1	-16.4	1,862,502	-3.5	-28.9	77.6	59.6
Canning and preserving	913	72,270	+35.6	-30.7	844,059	+38.0	-37.3	99.0	65.6
Laundries	1,006	60,232	-1.7	-12.5	949,574	-3.6	-24.5	78.9	63.9
Dyeing and cleaning	398	12,159	-3.5	-15.0	219,200	-6.2	-29.6	79.5	56.3

Indexes of Employment and Earnings for Non-manufacturing Industries

INDEX numbers of employment and earnings for 14 nonmanufacturing industries are presented in the following table. These index numbers show the variation in employment and earnings in these groups, by months, from January, 1929, to August, 1932, with the exception of the laundries and the dyeing and cleaning groups, for which information over the entire period is not available. The bureau recently secured data concerning employment and earnings for the index base year 1929 from establishments in the laundries and the dyeing and cleaning groups, and has computed index numbers for these two groups, which now appear in this tabulation. The monthly collection of trend-of-employment statistics in these two groups did not begin until the latter months of 1930 and, therefore, indexes for each month of the entire period are not available.

TABLE 2.—INDEXES OF EMPLOYMENT AND EARNINGS FOR NONMANUFACTURING INDUSTRIES, JANUARY TO DECEMBER, 1929, 1930, AND 1931, AND JANUARY TO AUGUST, 1932

[12-month average, 1929=100]

Month	Anthracite mining							Bituminous coal mining									
	Employment				Earnings			Employment				Earnings					
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	
January	105.7	102.1	90.6	76.2	100.7	105.8	89.3	61.5	106.4	102.5	93.9	80.8	106.1	101.4	73.3	47.0	
February	108.0	106.9	89.5	71.2	122.1	121.5	101.9	57.3	107.7	102.4	91.5	77.4	116.6	102.1	68.3	47.0	
March	98.0	82.3	82.0	73.7	90.8	78.5	71.3	61.2	106.8	98.6	88.8	75.2	108.8	86.4	65.2	46.8	
April	100.7	91.3	85.2	70.1	88.3	75.0	75.2	72.0	100.2	94.4	83.9	65.5	89.2	81.7	58.6	33.9	
May	103.7	93.8	80.3	66.9	99.0	98.8	76.1	58.0	96.6	90.4	82.4	62.6	91.9	77.5	54.4	30.7	
June	92.9	90.8	76.1	53.0	80.7	94.3	56.7	37.4	94.7	88.4	78.4	60.5	90.0	73.5	52.4	27.3	
July	83.2	91.6	65.1	44.5	64.7	84.0	53.7	34.5	94.1	88.0	76.4	58.6	85.6	88.9	50.4	24.4	
August	91.1	80.2	67.3	49.2	78.4	78.8	56.4	41.4	95.4	87.9	82.2	77.0	59.4	92.8	71.1	50.6	26.4
September	101.9	93.8	80.0	—	103.8	91.6	84.9	—	97.2	90.5	80.4	—	98.6	74.9	53.6	—	
October	106.1	99.0	86.8	—	133.9	117.2	91.1	—	98.8	91.8	81.3	—	106.8	79.4	56.2	—	
November	104.0	97.2	83.5	—	100.5	98.0	79.5	—	101.0	92.5	81.1	—	106.0	79.1	54.6	—	
December	107.1	99.1	79.8	—	137.2	100.0	78.4	—	101.4	92.5	81.2	—	108.2	77.7	52.3	—	
Average	100.0	93.4	80.5	63.1	100.0	95.3	75.4	52.9	100.0	93.4	83.2	67.5	100.0	81.3	57.5	35.4	
Metalliferous mining																	
January	93.1	95.7	68.3	49.3	88.0	92.7	55.0	29.7	91.8	79.6	64.4	48.9	85.9	71.9	50.4	30.2	
February	94.6	92.3	65.3	46.9	91.8	92.5	54.6	27.8	91.9	79.8	66.6	47.4	88.9	73.5	54.4	29.6	
March	97.0	90.9	63.5	45.0	99.1	90.8	52.8	26.5	96.0	83.0	70.0	46.0	95.0	80.0	58.2	28.7	
April	100.6	89.3	63.9	43.9	104.6	88.3	51.4	25.0	99.6	87.4	76.1	48.6	100.5	85.4	62.6	30.0	
May	100.8	87.5	62.4	38.3	104.6	85.6	49.3	23.8	104.0	90.8	75.0	50.6	107.1	90.2	62.3	32.3	
June	103.8	84.6	60.0	32.2	105.6	81.6	46.1	20.1	106.6	90.3	72.3	49.5	110.5	90.9	60.1	30.0	
July	101.5	80.5	56.2	29.5	90.9	71.9	41.3	16.9	104.7	89.9	71.0	49.5	104.7	85.5	57.3	29.1	
August	103.2	79.0	55.8	28.6	100.1	71.0	40.2	16.5	106.5	87.3	68.9	51.1	110.3	85.8	55.1	29.7	
September	102.1	78.1	55.5	—	102.0	69.9	40.0	—	106.8	87.7	66.6	—	109.8	82.5	51.2	—	
October	101.9	77.2	53.8	—	103.1	68.6	37.4	—	103.8	84.7	64.5	—	105.8	73.3	48.7	—	
November	103.0	72.8	52.8	—	102.2	63.4	35.1	—	98.6	78.3	59.3	—	94.0	66.8	43.3	—	
December	98.5	70.1	51.2	—	99.7	59.9	34.3	—	90.1	70.2	53.9	—	85.4	59.9	36.9	—	
Average	100.0	83.2	59.1	39.1	100.0	78.0	44.8	23.3	100.0	84.3	67.4	49.0	100.0	79.3	53.4	30.0	
Crude petroleum producing																	
January	90.0	92.7	74.8	54.9	93.1	94.0	71.5	46.5	94.3	101.6	90.5	83.0	94.5	105.1	96.3	89.1	
February	90.4	90.8	73.2	54.4	99.0	88.6	70.0	46.9	95.3	100.2	89.2	82.0	93.0	101.9	94.8	89.6	
March	89.6	89.3	72.2	51.4	97.4	91.3	73.2	43.2	96.5	99.4	88.6	81.7	98.7	105.8	97.9	88.2	
April	97.6	88.8	69.8	54.9	96.7	88.6	66.3	44.5	97.5	98.9	88.1	81.2	98.3	103.4	95.0	83.4	
May	93.9	89.8	67.8	54.5	92.4	85.4	64.7	47.1	100.4	99.7	87.4	80.8	99.4	103.2	94.1	82.8	
June	104.1	90.2	65.0	54.2	99.4	87.1	62.7	44.8	101.5	99.8	86.9	79.9	100.0	103.4	95.0	82.1	
July	106.0	89.9	65.3	55.4	100.7	88.5	59.2	44.6	102.6	100.0	86.6	79.1	104.1	106.6	93.3	79.6	
August	113.2	87.7	62.4	57.4	104.7	86.0	56.3	42.9	103.7	98.8	85.9	78.1	101.8	102.5	92.3	79.1	
September	108.9	85.0	61.2	—	110.7	84.0	55.2	—	102.5	96.8	85.0	—	100.4	102.2	92.1	—	
October	107.9	85.2	60.4	—	100.1	82.6	54.4	—	101.9	94.5	84.1	—	105.1	100.9	91.6	—	
November	101.1	83.6	57.6	—	103.8	80.0	52.0	—	101.9	93.0	83.5	—	101.2	97.9	88.7	—	
December	97.0	77.4	58.2	—	102.1	77.2	54.9	—	101.8	91.6	83.1	—	103.9	101.3	92.7	—	
Average	100.0	87.4	65.7	54.6	100.0	85.9	61.7	45.1	100.0	97.9	86.6	80.7	100.0	102.9	93.7	84.2	

¹ Average for 8 months.

TABLE 2.—INDEXES OF EMPLOYMENT AND EARNINGS FOR NONMANUFACTURING INDUSTRIES, JANUARY TO DECEMBER, 1929, 1930, AND 1931, AND JANUARY TO AUGUST, 1932—Continued

Month	Power and light							Electric-railroad and motor-bus operation and maintenance ²								
	Employment				Earnings			Employment				Earnings				
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
January	92.9	99.6	99.2	89.3	91.7	99.7	98.6	88.4	99.7	97.1	86.9	79.5	98.7	97.8	85.6	74.3
February	92.6	98.8	97.8	87.2	91.8	100.4	99.7	86.0	99.1	95.1	88.6	78.9	97.6	95.1	87.1	73.6
March	92.8	99.7	97.7	85.5	94.5	102.1	102.4	85.4	97.0	94.4	86.4	77.6	98.0	95.4	88.1	72.4
April	96.9	100.7	97.1	84.8	95.5	102.6	97.6	82.4	98.5	95.2	88.8	78.0	99.5	97.1	86.6	70.7
May	98.4	103.4	97.6	80.0	98.1	104.5	98.7	84.2	100.4	95.2	85.9	76.9	101.0	96.0	85.1	71.2
June	100.7	104.6	97.2	83.2	100.4	107.8	98.3	80.5	101.2	94.8	85.3	76.5	101.7	97.0	84.8	69.2
July	103.2	105.9	96.7	82.3	102.3	106.7	97.4	78.7	102.2	95.3	85.6	75.6	101.9	95.6	83.3	65.3
August	105.4	106.4	95.9	81.5	103.8	106.6	96.2	76.7	102.2	92.9	84.8	74.1	102.0	92.1	81.9	62.8
September	105.5	105.2	94.7	—	106.6	106.1	93.3	—	101.4	91.8	84.0	—	101.5	90.5	81.2	—
October	105.7	104.8	92.7	—	105.0	105.6	93.2	—	100.5	91.0	82.7	—	100.0	88.9	80.0	—
November	104.7	103.4	91.3	—	104.1	103.7	93.3	—	99.4	88.3	81.5	—	98.4	87.9	79.7	—
December	102.5	103.2	90.3	—	105.8	106.3	91.2	—	98.3	88.8	79.9	—	99.8	88.6	77.8	—
Average	100.0	103.0	95.6	84.7	100.0	104.3	96.7	82.8	100.0	93.4	84.7	77.1	100.0	93.5	83.4	69.9
Wholesale trade															Retail trade	
January	97.7	100.0	89.5	81.8	96.7	100.0	87.5	74.1	99.2	98.9	90.0	84.3	99.0	99.7	89.4	78.0
February	96.9	98.5	88.2	80.9	96.4	98.3	88.4	72.5	94.6	94.4	87.1	80.5	94.5	96.0	86.5	73.7
March	97.3	97.7	87.4	79.8	98.5	99.7	89.1	71.3	96.2	93.9	87.8	81.4	96.1	95.5	87.5	73.4
April	97.9	97.3	87.4	78.9	97.8	97.9	85.2	68.9	96.5	97.3	90.1	81.6	96.0	97.5	88.3	72.7
May	99.0	98.6	87.1	77.9	99.0	97.4	84.7	69.7	97.8	89.9	80.9	97.1	97.3	88.0	71.1	—
June	99.2	96.5	87.1	77.0	98.6	98.6	84.1	66.2	97.4	93.9	89.1	79.4	93.6	96.8	87.6	68.2
July	100.4	96.0	88.8	76.6	100.5	96.0	83.3	64.7	93.6	88.0	83.9	74.6	95.9	91.7	83.3	63.3
August	101.3	95.0	86.5	76.4	100.0	93.6	82.1	63.2	93.6	85.6	81.8	72.6	95.2	87.6	80.3	60.7
September	101.9	94.8	86.1	—	103.3	93.6	81.4	—	97.6	92.0	86.6	—	99.2	92.4	83.5	—
October	102.9	94.2	85.2	—	102.7	92.9	79.9	—	101.7	95.5	89.8	—	102.6	95.1	84.6	—
November	102.9	92.6	84.1	—	101.9	91.0	79.7	—	106.7	98.4	90.9	—	105.2	96.8	85.4	—
December	102.6	92.0	83.7	—	104.7	91.3	77.8	—	126.2	115.1	105.2	—	120.6	107.7	94.1	—
Average	100.0	96.0	86.6	78.7	100.0	95.9	83.6	68.8	100.0	95.9	89.4	79.4	100.0	96.2	86.6	70.1
Hotels															Canning and preserving	
January	97.1	100.4	95.0	83.2	98.5	100.3	91.0	73.9	50.8	46.1	48.9	35.0	57.3	50.3	46.1	31.8
February	99.8	102.4	96.8	84.3	102.0	103.8	93.7	73.9	48.9	45.7	48.3	37.1	59.2	51.5	48.6	32.7
March	100.9	102.4	96.8	84.0	103.4	104.4	93.4	72.4	49.4	49.7	53.0	36.3	54.9	50.8	50.3	31.9
April	99.7	100.1	95.9	82.7	100.6	100.3	89.9	69.6	90.6	74.8	59.6	47.0	98.9	72.6	57.1	37.9
May	98.1	98.0	92.5	80.1	98.9	98.4	87.7	67.0	62.0	65.7	56.0	40.5	71.2	66.9	58.0	36.0
June	99.3	98.0	91.6	78.0	98.7	98.1	85.4	63.8	76.6	83.0	70.6	55.5	71.9	81.5	53.6	40.5
July	101.1	101.3	93.3	78.4	99.8	99.8	85.2	61.8	126.8	126.3	102.2	73.0	109.2	112.7	74.2	47.5
August	102.6	101.5	92.8	77.6	99.4	98.6	83.8	59.6	184.8	185.7	142.9	99.0	180.1	172.0	104.7	65.6
September	102.8	100.1	90.6	—	100.2	97.1	81.9	—	210.1	246.6	180.1	—	207.9	214.8	129.4	—
October	100.6	97.5	87.4	—	100.2	95.5	79.7	—	143.3	164.7	108.1	—	134.5	140.0	77.6	—
November	100.0	95.2	84.9	—	99.8	93.6	77.1	—	95.1	96.7	60.8	—	91.6	82.9	48.1	—
December	97.7	93.5	83.1	—	98.9	91.5	75.4	—	61.3	61.6	40.7	—	63.4	57.4	36.9	—
Average	100.0	99.2	91.7	81.0	100.0	98.5	85.4	67.8	100.0	103.9	80.9	52.9	100.0	96.1	65.6	40.5
Laundries															Dyeing and cleaning	
January	—	—	90.5	84.7	—	—	86.6	76.4	—	—	88.9	82.1	—	—	77.7	65.8
February	—	—	90.0	82.9	—	—	85.6	73.3	—	—	87.4	80.5	—	—	75.1	62.2
March	—	—	89.5	82.0	—	—	86.5	71.6	—	—	88.0	80.6	—	—	75.6	61.7
April	—	—	90.5	82.0	—	—	86.8	71.4	—	—	95.7	83.3	—	—	86.3	65.9
May	—	—	90.3	81.4	—	—	86.5	70.6	—	—	96.7	84.5	—	—	86.6	67.3
June	—	—	91.0	81.0	—	—	87.1	68.6	—	—	99.0	85.1	—	—	89.1	65.8
July	—	—	91.8	80.3	—	—	87.4	66.3	—	—	98.6	82.4	—	—	86.2	60.0
August	—	—	90.2	78.9	—	—	84.6	63.9	—	—	93.5	79.5	—	—	80.0	56.3
September	—	—	89.3	—	—	—	84.1	—	—	—	95.3	—	—	—	82.6	—
October	—	—	88.1	—	—	—	81.8	—	—	—	94.2	—	—	—	81.4	—
November	—	—	86.2	—	—	—	78.9	—	—	—	90.1	—	—	—	74.7	—
December	—	—	85.3	—	—	—	77.4	—	—	—	84.9	—	—	—	67.9	—
Average	100.0	—	89.4	81.7	100.0	—	84.4	70.3	100.0	—	92.7	82.3	100.0	—	80.3	63.1

¹ Average for 8 months.

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

Trend of Employment in August, 1932, by States

IN THE following table are shown the fluctuations in employment and earnings in August, as compared with July, 1932, 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 earnings in the manufacturing, public-utility, hotel, wholesale-trade, retail-trade, bituminous-coal mining, crude petroleum producing, quarrying and nonmetallic mining, metalliferous mining, laundries, and dyeing and cleaning groups are presented. In publishing data concerning public utilities, the totals of the telephone and telegraph, power and light, and electric-railroad operation groups have been combined and are presented as one group in this State compilation. 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 earnings in July and August as reported by identical establishments in this industry are included, however, in the combined total of "All groups."

The per cents of change shown in the accompanying tables, unless otherwise noted, are unweighted per cents 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 the summary table are the fluctuations in this industry by State total.

Where 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 have been included in the State totals for "All groups." Data are not presented for any industrial group where the representation in the State covers less than three establishments.

COMPARISON OF EMPLOYMENT AND EARNINGS IN IDENTICAL ESTABLISHMENTS
IN JULY AND AUGUST, 1932, 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, August, 1932	Per cent of change	Amount of pay roll (1 week), August, 1932	Per cent of change	Number of establishments	Number on pay roll, August, 1932	Per cent of change	Amount of pay roll (1 week), August, 1932	Per cent of change
Alabama	497	45,921	+1.1	\$472,154	+3.9	202	31,666	+2.3	\$318,745	+6.1
Arkansas	452	13,820	+5	199,359	+3	135	8,829	+2.8	110,661	+4.5
Arizona	362	7,805	-3.5	157,153	-7.9	62	2,003	-4.8	41,376	-7.0
California	1,579	225,897	+9.6	5,968,550	+8.1	1,102	144,022	+15.7	8,175,455	+14.0
Colorado	745	27,004	-5.6	545,266	-5.9	119	9,833	-1.8	191,033	-7.3
Connecticut	1,080	116,729	-2.7	2,072,350	-2.4	665	97,531	-2.6	1,576,626	-1.3
Delaware	129	8,067	-7.0	158,166	-9	51	5,508	-2.4	106,980	+4.0
District of Columbia	585	28,061	-2.2	682,300	-2.9	55	3,812	-1.2	129,218	-3.1
Florida	511	20,877	-9	340,351	-5.6	132	13,397	-4	178,387	-6.3
Georgia	638	63,210	+4.1	770,797	+3.1	305	49,868	+4.2	502,747	+5.6
Idaho	201	7,870	+3.9	148,489	+4.0	41	4,450	+6.9	81,011	+9.0
Illinois	11,500	262,912	+1.3	5,589,088	+2.9	1,002	163,466	+2.3	2,861,275	+7.1
Indiana	1,219	104,202	+2	1,802,546	-4	585	75,003	-1.9	1,252,434	-9
Iowa	1,111	41,715	-8	778,785	-1.9	465	22,046	+1	402,391	-2.2
Kansas	271,213	40,521	-7	824,398	-2.1	383	21,951	-1.1	463,610	-1.4
Kentucky	818	56,116	+3	830,277	+2.2	218	19,854	-9	308,586	+4
Louisiana	502	28,647	-1.3	431,642	+1	222	17,496	-3.4	238,044	+3
Maine	569	36,581	+10.8	609,307	+11.2	188	28,209	+11.3	441,770	+13.9
Maryland	1,811	69,999	-1	1,304,635	-1.6	448	44,842	+1.9	719,016	(1.4)
Massachusetts	7,900	521,201	+8.5	8,800,119	+1.9	1,078	144,604	+12.3	2,502,522	+15.7
Michigan	1,551	261,877	-7.4	5,123,431	-16.9	408	198,294	-8.7	3,791,959	-20.8
Minnesota	975	60,191	-1.4	1,254,737	-2.8	288	29,098	-4.6	580,087	-4.0
Mississippi	398	9,104	+4	111,094	+1.2	78	5,153	+2.1	50,254	+5.8
Missouri	1,123	98,498	-1	2,001,076	-1.5	524	55,585	+8	1,027,227	+6
Montana	297	6,341	+11.9	143,814	+3.9	51	1,937	+4.4	42,211	+6
Nebraska	670	20,770	-1.5	453,705	-2.0	131	10,268	-1.4	217,948	-2.5
Nevada	136	1,454	-6.3	40,533	-2.8	23	287	(1)	8,477	+2.1
New Hampshire	457	32,441	+8.2	523,796	+10.0	186	27,364	+8.7	425,640	+10.9
New Jersey	1,469	168,635	-1.5	3,646,607	-2.8	8707	155,074	-2.4	3,222,686	-4.1
New Mexico	177	4,475	+5	75,034	+2.9	25	466	+4	6,314	-13.6
New York	3,455	448,606	+6	10,510,540	-1	1,623	285,868	+3.4	6,248,301	+4.0
North Carolina	854	97,674	+5.6	1,053,036	+13.1	532	92,972	+5.9	977,568	+14.2
North Dakota	282	3,672	-1	82,086	-2.0	59	1,268	+5.1	30,026	+5
Ohio	4,718	335,816	-2.6	6,017,891	-5.6	1,967	242,976	-3.4	4,114,196	-7.4
Oklahoma	700	24,541	+4	515,806	-1.3	128	8,765	+1	177,192	-2.2
Oregon	580	25,748	-4.7	498,725	-2.4	159	13,607	-8	234,468	+1.1
Pennsylvania	4,104	548,488	+2.0	9,333,940	+4.0	1,728	304,965	+1.7	4,374,150	+4.0
Rhode Island	916	47,040	+9.4	838,105	+5.3	271	35,664	+13.5	573,433	+9.6
South Carolina	322	39,096	+7.8	364,128	+8.7	175	35,770	+9.3	310,225	+11.4
South Dakota	156	5,379	+1.6	123,961	+4	47	2,006	+3.5	35,625	-2.4
Tennessee	727	55,894	+7.2	731,623	+8.9	273	40,040	+10.7	490,729	+15.0
Texas	753	51,161	-1	1,180,014	-1.1	343	25,434	+1	498,746	-3.1
Utah	331	12,008	-7.7	216,551	-5.0	86	3,353	+2	67,857	+1
Vermont	361	8,590	-2	163,075	-1.5	117	4,198	-9	78,200	-1
Virginia	1,237	71,223	+2	1,100,542	+2	431	46,964	-1.5	605,212	-3
Washington	1,178	46,279	-1.2	942,530	-5	260	21,629	-1.3	396,135	+3
West Virginia	723	72,407	-1.2	1,065,928	+1.0	189	27,423	-3.4	432,062	-5.0
Wisconsin	71,072	120,596	-1.8	1,953,089	+3.3	807	92,577	-1.5	1,354,009	+5.5
Wyoming	183	5,654	+2.7	134,058	+11.9	28	1,345	+1.7	40,736	+4.9

¹ Includes building and contracting.² State bureau figures not received.³ Weighted per cent of change.⁴ No change.⁵ Includes laundries.⁶ Includes laundering and cleaning.⁷ Does not include hotels.

COMPARISON OF EMPLOYMENT AND EARNINGS IN IDENTICAL ESTABLISHMENTS
IN JULY AND AUGUST, 1932, BY STATES—Continued

State	Wholesale trade					Retail trade				
	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change
Alabama.....	15	547	-1.1	\$14,073	-2.6	64	1,594	-1.6	\$24,321	-4.6
Arkansas.....	17	494	-2.5	13,143	-2.2	139	1,559	-0.9	27,579	-0.9
Arizona.....	21	165	-0.2	4,447	-5.1	172	1,352	-4	23,489	-1.0
California.....	68	4,623	-1	134,758	-2.1	94	22,997	+1.4	462,485	+7
Colorado.....	28	715	-2.3	20,864	-7.8	278	3,949	-2.9	84,730	-6.4
Connecticut.....	58	1,221	-1.2	34,187	-2.3	128	4,887	-10.0	103,602	-7.0
Delaware.....	9	166	(*)	4,845	+2.5	12	159	-7.0	2,368	-15.5
District of Co- lumbia.....	29	396	+3	12,885	-6	405	9,590	-2.4	204,762	-4.7
Florida.....	50	742	-3	18,636	-1.4	81	901	-2.7	17,308	-7.0
Georgia.....	30	872	-3.4	10,353	-3.3	33	1,905	-4.1	31,205	+3
Idaho.....	7	114	+2.7	3,348	-1.0	66	644	-2.1	11,832	-6
Illinois.....	15	869	+2.4	21,129	+7	59	16,004	-8	381,675	+1.1
Indiana.....	64	1,262	(*)	32,134	-2.8	188	5,587	-2.2	100,314	-3.9
Iowa.....	34	1,012	-1.7	26,437	-3.5	125	3,045	+1.4	53,589	-2.6
Kansas.....	55	1,717	+5.1	32,701	-1.8	214	3,991	-1.2	68,858	-5.8
Kentucky.....	21	476	-6	9,675	-3	30	1,403	-9.2	21,715	-6.8
Louisiana.....	23	578	-3.8	12,673	-1.2	53	2,903	+6	40,869	-1.6
Maine.....	17	490	-2	11,404	+2.1	69	1,079	-1.4	20,000	-1
Maryland.....	55	791	-1.7	17,648	-2.5	55	4,665	-2.9	78,341	-7.3
Massachusetts.....	674	14,104	-1.2	382,066	-2.4	4,032	54,362	-3.3	1,135,241	-3.9
Michigan.....	70	1,884	+4	54,287	-2.1	245	10,043	-6.2	212,398	-5.6
Minnesota.....	64	3,934	-7	109,424	-2.0	284	6,487	-2	119,971	-3.1
Mississippi.....	5	115	-1.7	2,339	-1.6	60	427	-4.9	4,975	-11.7
Missouri.....	57	4,966	-5	123,436	-1.4	134	5,343	-1	110,755	-2.1
Montana.....	12	215	-5	6,303	-1.6	66	760	-5	16,613	-1.3
Nebraska.....	31	914	-1.1	25,162	-2.3	162	1,559	-4.1	29,869	-6.9
Nevada.....	8	94	-6.0	3,575	-4.4	31	257	-2.7	7,086	-5.5
New Hampshire.....	15	162	(*)	4,344	-2	60	654	+2.1	10,281	-1.9
New Jersey.....	28	593	+5	18,502	-1	429	6,984	-1.2	152,312	-2.6
New Mexico.....	5	72	+1.4	2,411	-4.9	48	277	-3.1	5,804	-3.2
New York.....	182	5,464	+5	174,638	-1.5	515	41,216	-2.4	917,696	-4.0
North Carolina.....	18	257	-8	6,258	+8	175	555	+1.1	10,921	+5
North Dakota.....	16	221	-5	6,444	-4.7	40	358	-11.4	5,719	-16.4
Ohio.....	230	4,849	-1.3	126,954	-3.6	1,530	28,306	-2.8	541,349	-4.9
Oklahoma.....	49	739	+2.4	19,611	+7.3	108	1,512	-2.1	27,702	-6.1
Oregon.....	54	1,280	-3.0	35,775	-2.5	92	1,604	-1.0	34,672	-6.2
Pennsylvania.....	134	3,502	-1.1	95,069	-1.7	340	22,825	-7.5	451,834	-7.7
Rhode Island.....	41	982	-3.0	24,611	-2.6	514	4,769	-1.6	102,263	-3.7
South Carolina.....	18	268	+6.8	6,004	-6	15	372	-3.9	3,733	-1.5
South Dakota.....	10	129	+8	3,798	-2.1	14	223	-10.4	3,251	-4.4
Tennessee.....	34	592	-7	12,221	-4.3	55	2,971	-5.2	49,687	-1.4
Texas.....	157	2,706	-3.5	7,720	-2.7	85	6,358	-3.7	116,519	-1.1
Utah.....	16	494	-1.6	12,191	-1.7	81	528	-4.2	13,314	+3.1
Vermont.....	5	122	+8	3,015	-1.4	45	471	-4.5	8,571	-2.0
Virginia.....	43	1,218	+49.3	24,702	+15.4	474	4,370	-3.1	79,406	-9.1
Washington.....	95	2,196	-1.1	61,575	-1.7	465	5,884	-2.7	114,047	-3.6
West Virginia.....	35	550	-5.8	15,568	-7.0	48	884	-9.7	15,971	-6.1
Wisconsin.....	41	1,725	+1.2	38,049	+7.7	51	6,824	-3.8	109,390	-4.7
Wyoming.....	8	57	(*)	1,739	-2.1	42	224	-2.6	5,819	-1.4

* No change.

COMPARISON OF EMPLOYMENT AND EARNINGS IN IDENTICAL ESTABLISHMENTS
IN JULY AND AUGUST, 1932, BY STATES—Continued

State	Quarrying and nonmetallic mining					Metalliferous mining				
	Number of establishments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change	Number of establishments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change
Alabama	8	676	+27.1	\$5,528	+24.1	8	680	-0.1	\$4,199	+29.6
Arkansas	9	124	+10.7	1,332	+6.0	—	—	—	—	—
Arizona	—	—	—	—	—	17	2,401	-4.9	44,503	-16.7
California	29	622	+.2	12,215	-9.9	19	1,368	+.8	36,205	+3.3
Colorado	—	—	—	—	—	14	580	-18.1	15,136	-20.4
Connecticut	10	215	+58.1	3,073	+24.0	—	—	—	—	—
Delaware	—	—	—	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—	—	—	—
Florida	6	587	-2.4	6,180	-2.6	—	—	—	—	—
Georgia	19	1,086	+7.5	10,993	+9.4	—	—	—	—	—
Idaho	—	—	—	—	—	11	1,586	-.5	33,059	+1.2
Illinois	26	703	+1.3	11,798	+1.3	—	—	—	—	—
Indiana	38	1,988	-.3	34,314	-2.0	—	—	—	—	—
Iowa	17	395	+8.5	6,330	+12.7	—	—	—	—	—
Kansas	22	949	-1.9	20,764	+2.6	12	26	(4)	398	-1.7
Kentucky	27	913	+20.9	6,991	+23.3	—	—	—	—	—
Louisiana	4	495	+9.5	4,418	+8.9	—	—	—	—	—
Maine	7	365	+111.0	7,808	+69.7	—	—	—	—	—
Maryland	16	527	+7.9	5,696	+.9	—	—	—	—	—
Massachusetts	—	—	—	—	—	—	—	—	—	—
Michigan	22	632	+2.4	8,747	+7.0	43	3,894	-8.3	41,786	+7.6
Minnesota	7	206	+2.0	4,204	+11.7	22	672	+8.4	8,863	+1.6
Mississippi	3	38	+111.1	169	+302.4	—	—	—	—	—
Missouri	12	280	+59.1	3,319	+16.0	12	1,022	+3.5	18,915	+3.6
Montana	4	22	+15.8	308	+23.2	16	115	+9.5	2,352	+18.0
Nebraska	3	91	-31.1	1,358	-31.4	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—
New Hampshire	9	144	+22.0	4,582	+50.0	—	—	—	—	—
New Jersey	3	23	-46.5	574	-62.3	—	—	—	—	—
New Mexico	—	—	—	—	—	5	846	+.6	16,195	+12.7
New York	43	2,087	+3.3	44,092	+4.5	—	—	—	—	—
North Carolina	4	55	-1.8	856	+5.4	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—	—
Ohio	66	2,018	+6.2	33,563	+6.8	—	—	—	—	—
Oklahoma	4	59	-3.3	732	-4.9	30	564	+3.9	8,411	+22.8
Oregon	—	—	—	—	—	6	96	-15.8	2,134	-15.7
Pennsylvania	55	2,572	+2.7	30,842	+10.2	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—
South Carolina	8	139	-6.1	651	-13.1	—	—	—	—	—
South Dakota	5	40	+53.8	828	+75.1	—	—	—	—	—
Tennessee	22	1,080	+3.3	13,576	+8.9	4	194	+10.9	2,372	-3.4
Texas	13	574	-3.9	12,942	+5.6	—	—	—	—	—
Utah	—	—	—	—	—	11	2,018	-4.5	31,555	-1.9
Vermont	38	2,070	-1.8	41,014	-6.4	—	—	—	—	—
Virginia	16	893	+.9	9,735	+22.6	—	—	—	—	—
Washington	8	179	+1.7	4,195	-2.6	—	—	—	—	—
West Virginia	8	409	+2.8	3,548	-11.4	—	—	—	—	—
Wisconsin	13	119	-37.0	1,605	-44.5	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—	—

* No change.

COMPARISON OF EMPLOYMENT AND EARNINGS IN IDENTICAL ESTABLISHMENTS
IN JULY AND AUGUST, 1932, BY STATES—Continued

State	Bituminous coal mining					Crude petroleum producing					
	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change	
Alabama	39	6,858	-2.0	\$45,737	+2.0						
Arkansas	5	89	+32.8	1,641	+141.5						
Arizona						10	227	(4)	\$5,333	-4.7	
California											
Colorado	38	3,048	-7.6	41,446	+6.4		37	4,179	-3.0	129,374	-7.2
Connecticut											
Delaware											
District of Colum- bia											
Florida											
Georgia											
Idaho											
Illinois	21	1,557	+85.8	21,621	+13.7	7	136	-1.4	3,067	+.3	
Indiana	36	1,872	-16.5	47,501	+6.8	4	32	+6.7	511	-1.0	
Iowa	22	1,953	-5.3	33,796	+9.1						
Kansas	13	473	+18.8	6,968	+30.3	35	1,241	+.2	28,510	-3.8	
Kentucky	141	22,989	+1.4	274,470	+8.6	6	183	-1.1	3,591	-1.6	
Louisiana						10	188	+11.2	4,971	+10.1	
Maine											
Maryland	15	1,244	+.1	6,242	-2.3						
Massachusetts											
Michigan	3	246	-56.3	2,652	-18.3						
Minnesota											
Mississippi											
Missouri	16	991	+7.4	16,173	-1.9						
Montana	6	360	+462.5	4,259	+65.3	5	50	+22.0	1,236	+22.0	
Nebraska											
Nevada											
New Hampshire											
New Jersey											
New Mexico	12	1,689	+.5	24,562	+7.8	4	29	+52.6	865	-18.8	
New York							5	172	-7.0	4,114	-4.8
North Carolina											
North Dakota											
Ohio	56	5,460	+19.8	77,156	+37.9	5	58	-13.4	975	-10.6	
Oklahoma	16	400	+42.9	4,843	+6.1	65	4,528	+.2	117,375	-.6	
Oregon											
Pennsylvania	367	51,780	-.5	532,259	+2.1	19	352	-2.8	9,040	-.2	
Rhode Island											
South Carolina											
South Dakota											
Tennessee	14	2,437	-2.7	17,366	-5.3						
Texas						3	6,627	+4.7	249,181	+2.3	
Utah	14	1,303	-2.5	22,996	-.9						
Vermont											
Virginia	32	8,193	+7.6	104,234	+11.0						
Washington	11	482	-15.9	10,127	-12.7						
West Virginia	240	34,718	+.8	424,836	+11.0	9	386	-.5	9,123	-5.4	
Wisconsin											
Wyoming	32	3,092	+4.0	65,816	+23.2	5	68	+13.3	2,014	+4.5	

* No change.

COMPARISON OF EMPLOYMENT AND EARNINGS IN IDENTICAL ESTABLISHMENTS
IN JULY AND AUGUST, 1932, BY STATES—Continued

State	Public utilities					Hotels				
	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change
Alabama.....	123	1,966	-.6	42,167	-.4	27	1,179	-.9	10,255	-.1
Arkansas.....	50	1,185	-15.1	89,143	-13.4	17	822	+.8	8,914	-1.8
Arizona.....	67	1,331	-2.6	35,480	-1.2	13	308	-1.3	4,509	-7.7
California.....	42	48,679	-.2	1,387,538	+.3	264	11,354	+.5	187,379	+.2
Colorado.....	196	5,613	-1.4	144,689	-4.5	33	1,301	+.8	20,606	+1.7
Connecticut.....	145	10,080	-1.0	309,813	-6.0	34	1,139	-.2	14,839	-2.9
Delaware.....	28	1,113	+1.5	29,804	+.8	6	249	-4.6	2,923	-3.2
District of Colum- bia.....	22	8,285	-1.6	244,790	-.4	51	3,536	-3.9	51,335	-6.5
Florida.....	184	4,093	-.8	107,381	-4.7	35	650	-5.0	6,828	-10.6
Georgia.....	186	6,804	-2.2	192,902	-2.1	35	1,496	-6.0	12,330	-10.2
Idaho.....	57	728	-.5	14,029	-5.7	15	246	-7.9	3,399	-9.6
Illinois.....	63	67,448	-1.4	1,844,997	-2.6	849	8,126	-3.6	125,539	-9.6
Indiana.....	133	6,407	-2.3	170,342	+.4	60	2,552	-1.0	28,082	-4.8
Iowa.....	373	9,958	-1.3	227,552	-1.7	50	1,885	-2.3	19,406	-5.1
Kansas.....	402	8,196	-1.3	180,511	-3.2	36	808	-2.4	7,888	-5.0
Kentucky.....	304	7,102	-1.1	163,365	-2.3	39	1,701	-1.7	18,051	-4.9
Louisiana.....	152	4,456	-2.3	106,411	-.1	24	1,841	-4.4	19,822	-7.7
Maine.....	170	2,875	-4.3	80,757	-2.8	31	1,814	+18.4	24,043	+21.1
Maryland.....	92	12,720	-1.2	364,278	-1.3	24	1,159	-2.5	14,896	-1.8
Massachusetts (*)										
Michigan.....	407	23,047	-2.7	653,597	-4.4	78	4,501	+2.2	58,871	-3.6
Minnesota.....	200	13,106	-1.4	352,183	-1.1	63	2,982	-.8	36,568	-4.2
Mississippi.....	213	2,224	+1.0	42,772	-.6	22	628	-2.9	5,295	-2.4
Missouri.....	222	22,242	-3.3	600,247	-3.7	82	4,350	-2.9	50,042	-13.4
Montana.....	111	1,904	-.3	55,646	-.2	17	270	+3.8	4,084	-2.7
Nebraska.....	296	5,738	-2.4	152,291	+.4	32	1,475	+2.3	15,585	-6.3
Nevada.....	40	932	-14.5	10,949	-6.5	14	213	+3.9	4,083	+3.3
New Hampshire.....	143	2,131	-1.3	59,679	+.6	26	1,218	+21.1	13,985	+40.3
New Jersey.....	278	22,488	-1.8	664,106	-2.3	95	6,147	+9.5	81,217	+7.7
New Mexico.....	54	521	-.2	11,485	+.1	16	319	-1.2	3,355	-4.1
New York.....	903	109,706	-1.2	3,388,265	-2.7	282	30,457	-1.5	473,620	-4.6
North Carolina.....	76	1,749	-1.6	37,544	+1.1	35	1,316	+1.5	11,724	-.9
North Dakota.....	117	1,217	-1.1	31,883	+.2	17	334	-.6	3,721	-7.2
Ohio.....	493	34,537	-2.2	884,402	-.6	173	9,388	-2.7	119,112	-5.0
Oklahoma.....	240	5,684	-2.6	131,231	-1.0	41	793	-2.5	7,516	-5.8
Oregon.....	187	5,816	-.3	150,704	-1.1	42	1,110	+2.2	15,800	-1.2
Pennsylvania.....	706	61,172	-1.1	1,701,602	-2.8	194	9,949	-4.2	124,619	-6.8
Rhode Island.....	35	3,481	-2.5	103,383	-2.6	26	699	+2.6	8,241	-4.7
South Carolina.....	71	1,686	-3.7	36,538	-4.2	17	330	-6.2	2,481	-11.4
South Dakota.....	57	887	+1.6	23,845	+1.3	14	312	+2.3	3,681	-2.7
Tennessee.....	254	5,021	-.8	113,725	-1.3	42	2,256	-3.3	20,273	-6.3
Texas.....	151	6,813	+1.4	190,943	-.1	44	2,969	-.6	36,983	-.9
Utah.....	65	1,838	-.1	38,738	-1.3	14	517	-5.5	7,307	-12.2
Vermont.....	121	999	+.7	23,860	+.1	26	588	+10.7	6,518	+8.1
Virginia.....	153	5,818	-(10)	145,841	-1.3	39	2,014	-3.8	23,003	-4.6
Washington.....	202	10,193	+1.2	279,593	+.3	58	2,074	-.6	25,689	-3.1
West Virginia.....	126	6,102	-1.3	160,584	-2.9	41	1,114	-.9	12,640	-3.5
Wisconsin.....	11 ⁽²⁾	11,166	-1.1	308,078	-1.9	42	1,257	-1.7	(14)	
Wyoming.....	48	437	-2.2	11,077	-.7	12	200	+4.2	3,026	-2.7

* Includes restaurants.

* Includes steam railroads.

** Less than one-tenth of 1 per cent.

† Includes steam railways and express.

‡ Data not supplied.

COMPARISON OF EMPLOYMENT AND EARNINGS IN IDENTICAL ESTABLISHMENTS
IN JULY AND AUGUST, 1932, BY STATES—Continued

State	Laundries					Dyeing and cleaning				
	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change	Number of establish- ments	Number on pay roll August, 1932	Per cent of change	Amount of pay roll (1 week) August, 1932	Per cent of change
Alabama	4	417	-5.0	\$3,841	-4.6	4	196	+4.8	\$1,912	-8.7
Arkansas	19	505	-2	5,154	-3.2	3	32	-11.1	400	-9.1
Arizona	8	227	-4.2	3,128	-7.3					
California	12 ¹³	5,776	+6	110,358	-2					
Colorado	11	858	-8	12,776	-3.8	9	148	+7	2,874	-5.2
Connecticut	28	1,360	-3.1	23,580	-3.5	11	284	-4.7	6,352	-8.4
Delaware	4	315	-3	4,819	-3.0	3	40	-4.8	648	-4.6
District of Colum- bia	16	2,306	-2.4	36,527	-4.1	6	130	-5.1	2,683	-8.5
Florida	9	458	-7	4,661	-3.1					
Georgia	13	690	+3	6,601	-5.4	5	131	-9.0	1,515	-6.6
Idaho										
Illinois	18 ²¹	1,855	-4.4	20,065	-8.3					
Indiana	20	1,502	-2.6	20,788	-9.0	9	160	-9.6	2,580	-11.1
Iowa	3	219	-5	3,463	-4.4					
Kansas	36	1,102	-3.4	12,021	-6.0	3	13	-7.1	186	-12.3
Kentucky	18	825	-2.1	10,739	-5.4	5	224	-2.6	3,324	-2.2
Louisiana										
Maine	22	564	+2.0	8,901	+3.4					
Maryland	25	1,931	-1.4	29,807	-3.9	9	320	-11.9	4,152	-14.6
Massachusetts	105	3,804	-1.4	61,308	-2.8	122	1,934	-1.8	55,488	-3.8
Michigan	22	1,524	-4.8	19,148	-8.4	17	565	-11.7	9,563	-24.6
Minnesota	14	823	-1.1	13,671	-4.6	11	311	-3	5,782	+1.6
Mississippi	7	382	(*)	3,496	-2.6					
Missouri	35	2,516	-4.0	36,269	-5.7	15	425	-5.8	7,143	-11.2
Montana	15	342	-2.0	6,320	-2.2					
Nebraska	7	469	+2.9	7,006	-3.7	5	129	-8	3,109	-1.1
Nevada	4	59	+1.7	1,365	+7.5					
New Hampshire	16	314	+1.0	4,983	-2.2					
New Jersey	26	3,132	+3.0	64,974	+1.6	8	329	-5.5	9,751	+1.7
New Mexico	5	242	+5.7	3,764	+5.7					
New York	70	6,761	-4.3	119,211	-5.0	19	569	-6.1	11,976	-6.5
North Carolina	12	737	-8	7,908	-1.9					
North Dakota	11	252	-1.9	4,372	-2.5					
Ohio	81	4,518	-3.7	70,044	-5.9	48	1,864	-4.8	27,001	-11.0
Oklahoma	7	570	-1.0	7,105	-6.4	3	162	-1.2	2,273	-2.1
Oregon	4	320	-3	5,019	-2.5	5	50	(*)	1,095	+3
Pennsylvania	43	3,284	-3.3	50,355	-6.8	26	1,250	-2.5	20,682	-6.7
Rhode Island	21	1,135	-1.6	10,741	-6	6	292	+2.1	5,600	+2.6
South Carolina	8	330	+4.8	3,265	+10.4					
South Dakota	7	148	-1.3	2,160	-4.0					
Tennessee	13	942	-6	8,374	-3.9	4	38	-2.6	573	+1.1
Texas	26	1,313	-3.0	15,955	-5.3	17	395	-2.5	6,431	-2.7
Utah	7	519	-3.2	7,195	-4.3	7	117	-3.3	2,094	-3.3
Vermont	5	80	-3.6	1,049	+4.0	3	26	(*)	490	+4.0
Virginia	14	968	-1.2	11,336	-1.8	23	323	-3.6	4,933	-7.2
Washington	14	737	+13.4	12,367	-9.4	15	226	+3.7	3,910	-7.1
West Virginia	19	660	-1.9	9,135	-3.8	8	161	-6	2,461	-3.7
Wisconsin	12 ²²	943	-2.7	13,202	-10.2					
Wyoming	4	111	+7.8	1,998	+5.7					

⁴ No change.¹³ Includes dyeing and cleaning.

Employment and Earnings in August, 1932, in Cities of Over 500,000 Population

IN THE following table are presented the fluctuations in employment and earnings in August, 1932, as compared with July, 1932, for 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 financial institutions, insurance offices, and 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 EARNINGS IN AUGUST, 1932, AS COMPARED WITH JULY, 1932

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
		July, 1932	August, 1932		July, 1932	August, 1932	
New York City	2,013	275,799	280,474	+1.7	\$7,739,380	\$7,770,154	+0.4
Chicago, Ill.	1,837	177,654	179,557	+1.2	4,080,589	4,088,882	+.2
Philadelphia, Pa.	666	114,542	114,306	-1.2	2,440,244	2,432,942	-.3
Detroit, Mich.	583	202,735	183,074	-9.7	4,965,891	3,906,958	-21.3
Los Angeles, Calif.	546	50,005	50,488	+1.0	1,193,014	1,196,726	+.3
Cleveland, Ohio	1,046	77,360	75,428	-2.5	1,547,787	1,509,858	-2.5
St. Louis, Mo.	498	63,387	62,992	-6	1,338,686	1,323,153	-1.2
Baltimore, Md.	553	43,902	43,281	-1.5	866,133	846,219	-2.3
Boston, Mass.	2,960	80,653	81,595	+1.2	2,010,297	1,992,148	-.9
Pittsburgh, Pa.	334	46,646	44,669	-4.2	928,556	867,845	-6.5
San Francisco, Calif.	897	38,052	39,201	+3.0	931,485	943,860	+1.3
Buffalo, N. Y.	273	34,824	32,971	-5.3	773,899	728,106	-5.9
Milwaukee, Wis.	472	33,599	33,068	-1.6	628,933	628,642	(1)

¹ Less than one-tenth of 1 per cent.

Employment in Building Construction in August, 1932

EMPLOYMENT in the building construction industry decreased 1.9 per cent in August as compared with July, and earnings decreased 3.6 per cent. These figures are based on pay-roll reports received from 10,464 firms engaged on building operations in 34 States and the District of Columbia.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE BUILDING CONSTRUCTION INDUSTRY IN IDENTICAL FIRMS, JULY AND AUGUST, 1932

Locality	Number of firms reporting in both months	Number on pay roll—		Per cent of change	Amount of pay roll (1 week)—		Per cent of change
		July	August		July	August	
Alabama, Birmingham	69	528	440	-16.7	\$7,234	\$6,219	-14.0
California:							
Los Angeles ¹	26	1,708	1,638	-4.1	38,572	34,234	-11.2
San Francisco-Oakland ¹	30	995	954	-4.1	20,980	22,061	+5.2
Other reporting localities ¹	25	603	596	-1.2	12,355	13,492	+8.9
Colorado, Denver	188	709	699	-1.4	16,424	13,876	-15.5
Connecticut:							
Bridgeport	127	632	529	-16.3	15,815	13,395	-15.3
Hartford	230	1,155	1,127	-2.4	32,061	30,368	-5.3
New Haven	199	1,454	1,416	-4.6	44,134	40,541	-8.1
Delaware, Wilmington	116	1,542	1,298	-15.8	35,009	29,007	-17.1
District of Columbia	547	6,190	6,083	-1.7	170,285	167,731	-1.5
Florida:							
Jacksonville	48	341	325	-4.7	5,083	5,355	+5.4
Miami	75	534	577	+8.1	9,826	10,575	+7.6
Georgia, Atlanta	127	1,239	1,442	+16.4	15,480	19,594	+26.6
Illinois:							
Chicago ¹	138	1,237	1,181	-4.5	36,447	40,492	+11.1
Other reporting localities ¹	85	890	918	+3.1	22,368	25,539	+14.2
Indiana:							
Fort Wayne	110	659	572	-13.2	13,842	12,102	-12.6
Indianapolis	162	1,070	1,066	-0.4	27,826	25,643	-7.8
South Bend	46	288	195	-32.3	6,322	3,880	-38.6
Iowa, Des Moines	100	373	545	+46.1	7,470	9,818	+31.4
Kansas, Wichita	62	458	443	-3.3	9,002	8,283	-8.0
Kentucky, Louisville	129	903	777	-14.0	18,163	14,653	-19.3
Louisiana, New Orleans	129	1,642	1,943	+18.3	26,718	29,656	+11.0
Maine, Portland	103	495	462	-6.7	11,609	10,025	-13.6
Maryland, Baltimore ¹	119	1,391	1,531	+10.1	23,867	28,953	+12.9
Massachusetts, all reporting localities ¹	746	6,562	6,086	-7.3	183,319	166,963	-8.9
Michigan:							
Detroit	450	2,672	2,751	+3.0	57,626	58,456	+1.4
Flint	36	124	142	+14.5	2,288	2,437	+6.5
Grand Rapids	113	632	616	-2.5	13,054	12,659	-3.0
Minnesota:							
Duluth	51	148	233	+57.4	2,803	4,328	+54.4
Minneapolis	230	1,681	1,628	-3.2	41,606	36,741	-11.7
St. Paul	142	1,347	1,208	-10.3	34,231	29,697	-13.2
Missouri:							
Kansas City ²	262	2,042	1,782	-12.7	58,494	46,265	-20.9
St. Louis	432	2,550	2,408	-5.6	70,021	63,650	-9.1
Nebraska, Omaha	133	902	889	-1.4	19,220	17,813	-7.3
New York:							
New York City ¹	332	9,864	9,938	+0.8	402,100	396,673	-1.3
Other reporting localities ¹	175	3,878	3,956	+2.0	116,075	116,915	+0.7
North Carolina, Charlotte	39	207	256	+23.7	2,984	3,111	+6.0
Ohio:							
Akron	87	359	320	-10.9	7,350	6,543	-11.0
Cincinnati ¹	490	3,191	2,941	-7.8	89,906	78,810	-12.3
Cleveland	475	2,374	2,254	-5.1	59,985	61,622	+2.7
Dayton	122	429	399	-7.0	9,154	8,635	-5.7
Youngstown	65	312	349	+11.9	6,047	7,615	+25.9
Oklahoma:							
Oklahoma City	94	478	405	-15.3	8,269	6,408	-22.5
Tulsa	58	257	243	-5.4	4,584	3,761	-18.0
Oregon, Portland	195	1,140	1,339	+17.5	24,737	29,598	+19.7
Pennsylvania:							
Erie ¹	32	222	239	+7.7	5,565	5,598	+0.6
Philadelphia ¹	491	4,885	4,704	-3.7	110,026	109,668	-0.3
Pittsburgh ¹	253	1,454	1,435	-1.3	41,553	37,636	-9.4
Reading-Lebanon ¹	55	416	386	-7.2	8,271	7,034	-15.0
Scranton ¹	32	163	150	-8.0	3,977	3,787	-4.8
Other reporting localities ¹	318	2,269	2,252	-0.7	46,254	45,410	-1.8
Rhode Island, Providence	238	1,727	1,551	-10.2	44,030	37,788	-14.2
Tennessee:							
Knoxville	42	464	518	+11.6	6,216	7,438	+19.7
Memphis	95	515	467	-9.3	10,237	8,249	-19.4
Nashville	75	689	639	-7.3	12,488	11,337	-9.2
Texas:							
Dallas	148	897	833	-7.1	14,969	14,156	-5.4
Houston	116	675	616	-8.7	12,087	10,644	-11.9
San Antonio	98	681	745	+8.4	10,415	12,119	+16.4

¹ Data supplied by cooperating State bureaus.² Includes both Kansas City, Mo., and Kansas City, Kans.³ Includes Covington and Newport, Ky.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE BUILDING CONSTRUCTION INDUSTRY IN IDENTICAL FIRMS, JULY AND AUGUST, 1932—Con.

Locality	Number of firms reporting in both months	Number on pay roll—		Per cent of change	Amount of pay roll (1 week)—		Per cent of change
		July	August		July	August	
Utah, Salt Lake City.....	88	360	321	-10.8	\$7,021	\$6,006	-14.5
Virginia:							
Norfolk-Portsmouth.....	94	623	544	-12.7	11,316	9,926	-12.3
Richmond.....	158	1,104	1,062	-3.8	22,934	21,835	-4.8
Washington:							
Seattle.....	176	745	875	+17.4	17,592	17,934	+1.9
Spokane.....	49	202	186	-7.9	3,872	4,443	+14.7
Tacoma.....	78	142	131	-7.7	2,454	2,106	-14.2
West Virginia, Wheeling.....	53	193	181	-6.2	3,761	3,710	-1.4
Wisconsin, all reporting localities ¹	60	1,432	1,635	+14.2	29,473	34,298	+16.4
Total, all localities.....	10,464	88,073	86,370	-1.9	2,265,230	2,183,314	-3.6

¹ Data supplied by cooperating State bureaus

Employment on Class I Steam Railroads in the United States

DATA are not yet available concerning railroad employment for August, 1932. Reports of the Interstate Commerce Commission for Class I railroads show that the number of employees (exclusive of executives and officials) decreased from 1,033,887 on June 15, 1932, to 1,008,608 on July 15, 1932, or 2.4 per cent; the amount of pay roll decreased from \$119,608,254 in June to \$114,801,532 in July, or 4.0 per cent.

The monthly trend of employment from January, 1923, to July, 1932, on Class I railroads—that is, all roads having operating revenues of \$1,000,000 or over—is shown by the 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.—INDEX OF EMPLOYMENT, ON CLASS I STEAM RAILROADS IN THE UNITED STATES, JANUARY, 1923, TO JULY, 1932

[12-month average, 1926=100]

Month	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
January.....	98.3	96.9	95.6	95.8	95.5	89.3	88.2	86.3	73.7	61.2
February.....	98.6	97.0	95.4	96.0	95.3	89.0	88.9	85.4	72.7	60.3
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	98.2	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	-----
September.....	107.8	99.7	99.9	102.8	99.1	95.3	96.8	82.2	69.3	-----
October.....	107.3	100.8	100.7	103.4	98.9	95.3	96.9	80.4	67.7	-----
November.....	105.2	99.0	99.1	101.2	95.7	92.9	93.0	77.0	64.5	-----
December.....	99.4	96.0	97.1	98.2	91.9	89.7	88.8	74.9	62.6	-----
Average.....	104.1	98.3	97.9	100.0	97.5	92.9	93.3	83.5	70.6	150.4

Average for 7 months.

Wage-Rate Changes in American Industries

Manufacturing Industries

DATA concerning wage-rate changes occurring between July 15 and August 15 in 89 manufacturing industries included in the monthly trend of employment survey of the Bureau of Labor Statistics are presented in the following table.

Of the 18,152 manufacturing establishments furnishing employment data in August, 17,640 establishments, or 97.2 per cent of the total, reported no change in wage rates during the month ending August 15, 1932. The employees whose wage rates were reported unchanged over the month interval totaled 2,414,199 comprising 96.4 per cent of the total number of employees included in this survey of manufacturing industries.

Decreases in rates of wages were reported by 500 establishments, or 2.8 per cent of the total number of establishments reporting. These decreases, averaging 12.7 per cent, affected 88,865 employees, or 3.5 per cent of all employees in the establishments reporting.

Twelve establishments in four industries reported wage-rate increases averaging 12.1 per cent and affecting 284 employees.

TABLE 1.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING AUGUST 15, 1932

Industry	Establishments reporting	Total number of employees	Number of establishments reporting			Number of employees having—		
			No wage changes	Wage increases	Wage decreases	No wage changes	Wage increases	Wage decreases
All manufacturing industries.....	18,152	2,503,348	17,640	12	500	2,414,199	284	88,865
Per cent of total.....	100.0	100.0	97.2	(1)	2.8	96.4	.1	3.5
Slaughtering and meat packing.....	232	82,857	223	—	9	78,059	—	4,798
Confectionery.....	326	30,706	322	—	4	30,409	—	297
Ice cream.....	394	13,545	385	—	9	13,326	—	219
Flour.....	440	16,061	432	—	8	15,884	—	177
Baking.....	952	61,757	938	—	14	61,417	—	340
Sugar refining, cane.....	15	8,117	15	—	—	8,117	—	—
Beet sugar.....	52	4,138	52	—	—	4,138	—	—
Beverages.....	340	10,030	333	—	7	9,849	—	181
Butter.....	327	6,458	312	7	8	6,320	39	97
Cotton goods.....	604	193,958	637	—	57	173,115	—	20,841
Hosiery and knit goods.....	447	92,973	430	—	17	88,937	—	4,036
Silk goods.....	246	39,691	241	3	2	39,166	232	293
Woolen and worsted goods.....	253	54,416	239	—	14	49,103	—	5,313
Carpets and rugs.....	33	12,364	31	—	2	12,182	—	182
Dyeing and finishing textiles.....	147	29,609	136	—	11	26,860	—	2,749
Clothing, men's.....	354	54,488	350	1	3	54,305	8	175
Shirts and collars.....	107	12,317	104	—	3	12,119	—	198
Clothing, women's.....	369	20,309	364	—	5	19,988	—	321
Millinery.....	123	7,636	120	—	3	7,381	—	255
Corsets and allied garments.....	30	5,119	29	—	1	5,104	—	15
Cotton small wares.....	112	7,324	111	—	1	7,319	—	5
Hats, fur-felt.....	37	5,476	36	—	1	5,447	—	29
Men's furnishings.....	77	4,224	77	—	4	4,224	—	—
Iron and steel.....	212	162,725	203	—	9	157,288	—	5,437
Cast-iron pipe.....	39	5,652	31	—	8	5,449	—	1,703
Structural and ornamental iron-work.....	187	15,401	185	—	2	15,392	—	9
Hardware.....	115	20,116	110	—	5	18,712	—	1,404
Steam fittings, and steam and hot-water heating apparatus.....	105	13,242	103	—	2	13,046	—	196
Stoves.....	180	13,947	156	—	4	13,687	—	260
Bolts, nuts, washers, and rivets.....	68	8,147	68	—	—	8,147	—	—
Cutlery (not including silver and plated cutlery) and edge tools.....	127	8,744	126	—	1	8,734	—	10
Forgings, iron and steel.....	62	5,239	59	—	3	4,991	—	248

Less than one-tenth of 1 per cent.

TABLE 1.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING AUGUST 15, 1932—Continued

Industry	Establishments reporting	Total number of employees	Number of establishments reporting			Number of employees having—		
			No wage changes	Wage increases	Wage decreases	No wage changes	Wage increases	Wage decreases
Plumbers' supplies	69	6,823	65	—	4	5,768	—	1,055
Tin cans and other tinware	58	8,618	57	—	1	8,566	—	52
Tools (not including edge tools, machine tools, files, or saws)	120	5,671	124	—	5	5,413	—	258
Wirework	70	5,056	68	—	2	4,736	—	320
Lumber								
Sawmills	631	56,990	614	—	17	54,485	—	2,505
Millwork	465	16,980	449	—	16	16,223	—	757
Furniture	481	39,497	462	—	19	38,046	—	1,451
Turpentine and rosin	21	1,000	20	—	1	994	—	6
Leather	165	22,877	159	—	6	22,381	—	496
Boots and shoes	332	108,849	330	—	2	108,508	—	341
Paper and pulp	419	76,610	405	—	14	73,239	—	3,371
Paper boxes	315	19,367	309	—	6	18,939	—	428
Printing								
Book and job	766	47,648	752	—	14	47,241	—	407
Newspapers and periodicals	471	65,623	450	—	21	63,523	—	1,800
Chemicals	116	19,643	115	—	1	19,554	—	89
Fertilizers	209	4,908	205	—	4	4,808	—	100
Petroleum refining	118	47,656	117	—	1	47,651	—	5
Cottonseed oil, cake, and meal	53	1,605	53	—	—	1,605	—	—
Druggists' preparations	41	7,149	41	—	—	7,149	—	—
Explosives	22	2,678	12	—	10	1,737	—	941
Paints and varnishes	360	14,969	354	—	6	14,795	—	174
Rayon	22	18,014	16	—	6	11,594	—	6,420
Soap	87	12,100	87	—	—	12,100	—	—
Cement	124	12,968	123	—	1	12,678	—	290
Brick, tile, and terra cotta	667	19,857	645	—	22	18,438	—	1,419
Pottery	122	12,854	116	—	5	12,572	—	277
Glass	196	30,387	189	—	7	29,863	—	524
Marble, granite, slate, and other stone products	218	5,716	216	—	2	5,678	—	38
Stamped and enameled ware	91	12,397	88	—	3	11,936	—	461
Brass, bronze, and copper products	206	26,197	200	—	6	25,931	—	266
Aluminum manufactures	27	4,752	26	—	1	4,739	—	13
Clocks, time recording devices, and clock movements	22	3,383	22	—	—	3,383	—	—
Gas and electric fixtures, lamps, lanterns, and reflectors	54	4,316	53	—	1	3,231	—	1,085
Plated ware	54	6,969	53	—	1	6,942	—	27
Smelting and refining—copper, lead, and zinc	28	7,157	27	—	1	7,133	—	24
Jewelry	151	7,392	151	—	—	7,392	—	—
Chewing and smoking tobacco and snuff	35	10,237	34	—	1	10,219	—	18
Cigars and cigarettes	219	45,382	217	—	2	44,365	—	1,017
Automobiles	247	204,683	241	—	6	203,550	—	1,133
Aircraft	29	4,260	28	—	1	4,250	—	10
Cars, electric and steam railroad	35	4,507	35	—	—	4,507	—	—
Locomotives	11	2,402	11	—	—	2,402	—	—
Shipbuilding	97	26,868	96	—	1	23,518	—	3,350
Rubber tires and inner tubes	41	44,361	40	—	1	44,145	—	218
Rubber boots and shoes	7	5,566	7	—	—	5,566	—	—
Rubber goods, other than boots, shoes, tires, and inner tubes	104	17,623	103	—	1	17,602	—	21
Agricultural implements	76	5,210	76	—	—	5,210	—	—
Electrical machinery, apparatus, and supplies	291	91,467	289	—	2	91,413	—	54
Engines, turbines, tractors, and water wheels	85	15,029	84	—	1	14,818	—	211
Cash registers, adding machines, and calculating machines	45	13,130	44	—	1	9,566	—	3,564
Foundry and machine-shop products	1,092	96,376	1,053	—	39	94,224	—	2,152
Machine tools	151	9,804	148	—	3	9,756	—	48
Textile machinery and parts	35	5,630	35	—	—	5,630	—	—
Typewriters and supplies	18	6,297	18	—	—	6,297	—	—
Radio	40	15,705	39	—	1	15,405	—	300
Electric-railroad repair shops	403	21,141	387	—	16	19,704	—	1,437
Steam-railroad repair shops	529	66,212	524	—	5	66,066	—	148

Nonmanufacturing Industries

IN THE following table are presented data concerning wage-rate changes occurring between July 15 and August 15, 1932, reported by firms in 14 nonmanufacturing groups included in the bureau's monthly employment survey.

No changes in wage-rates over the month interval were reported by firms in the anthracite mining or crude petroleum producing groups. In each of the remaining 12 groups a number of establishments reported decreases in wage rates, the average per cent of decrease ranging from 8.2 per cent in the electric railroad group to 15.6 per cent in the dyeing and cleaning group. The wage rate decreases reported in the telephone and telegraph group averaged 8.6 per cent and those reported in the power and light group averaged 9.7 per cent. With the exception of the bituminous coal mining group, in which the average per cent of decrease in wage rates was 14.6 per cent, the remaining groups reported decreases in wage rates averaging from 10 to 12 per cent. No increases in wage-rates from July to August were reported by establishments in these 14 nonmanufacturing groups.

TABLE 2.—WAGE CHANGES IN NONMANUFACTURING INDUSTRIES DURING MONTH ENDING AUGUST 15, 1932

Industrial group	Establishments reporting	Total number of employees	Number of establishments reporting—		Number of employees having—	
			No wage changes	Wage decreases	No wage changes	Wage decreases
Anthracite mining.....	160	67,212	160	.....	67,212	.....
Per cent of total.....	100.0	100.0	100.0	.....	100.0	.....
Bituminous coal mining.....	1,145	151,795	1,091	54	144,008	7,787
Per cent of total.....	100.0	100.0	95.3	4.7	94.9	5.1
Metalliferous mining.....	256	18,310	254	2	17,694	616
Per cent of total.....	100.0	100.0	99.2	0.8	98.6	3.4
Quarrying and nonmetallic mining.....	628	23,853	616	12	23,494	359
Per cent of total.....	100.0	100.0	98.1	1.9	98.5	1.5
Crude petroleum producing.....	273	21,793	273	.....	21,793	.....
Per cent of total.....	100.0	100.0	100.0	.....	100.0	.....
Telephone and telegraph.....	8,049	274,060	8,009	40	273,700	360
Per cent of total.....	100.0	100.0	99.5	0.5	99.9	0.1
Power and light.....	3,494	219,521	3,473	21	218,339	1,182
Per cent of total.....	100.0	100.0	99.4	0.6	99.5	0.5
Electric-railroad and motor-bus operation and maintenance.....	501	136,103	468	33	127,958	8,145
Per cent of total.....	100.0	100.0	93.4	6.6	94.0	6.0
Wholesale trade.....	2,688	70,494	2,649	39	69,571	923
Per cent of total.....	100.0	100.0	98.5	1.5	98.7	1.3
Retail trade.....	14,057	311,404	14,017	40	309,430	1,974
Per cent of total.....	100.0	100.0	99.7	0.3	99.4	0.6
Hotels.....	2,580	138,361	2,551	29	136,950	1,411
Per cent of total.....	100.0	100.0	98.9	1.1	99.0	1.0
Canning and preserving.....	913	72,270	909	4	72,120	150
Per cent of total.....	100.0	100.0	99.6	0.4	99.8	0.2
Laundries.....	1,006	60,232	987	19	59,148	1,084
Per cent of total.....	100.0	100.0	98.1	1.9	98.2	1.8
Dyeing and cleaning.....	398	12,159	387	11	11,725	434
Per cent of total.....	100.0	100.0	97.2	2.8	96.4	3.6

