

UNITED STATES DEPARTMENT OF LABOR

W. N. DOAK, Secretary

BUREAU OF LABOR STATISTICS

CHARLES E. BALDWIN, Acting Commissioner

TREND OF EMPLOYMENT

AUGUST, 1932



By Industries:	Page
Summary	1
Manufacturing Industries	2
Nonmanufacturing Industries	12
Anthracite and Bituminous Coal Mining	12
Metalliferous Mining	12
Quarrying and Nonmetallic Mining	12
Crude Petroleum Producing	12
Public Utilities:	
Telephone and Telegraph	12
Power, Light, and Water	12
Electric Railroads	12
Wholesale and Retail Trade	12
Hotels	12
Canning and Preserving	12
Laundries	12
Dyeing and Cleaning	12
Building Construction	22
Class I Steam Railroads	24
By States	15
By Cities	22
Wage Changes	25

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1932

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	Estab- lish- ments	Employment		Per cent of change	Earnings in 1 week		Per cent of change
		July, 1932	August, 1932		July, 1932	August, 1932	
Manufacturing.....	18,182	2,490,355	2,503,348	+1.4	\$42,904,628	\$42,392,331	+0.3
Coal mining.....	1,305	210,723	219,007	+3.9	3,038,722	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	18,899	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	17,570,018	-2.1
Telephone and telegraph.....	8,049	277,324	274,060	-1.2	7,482,618	7,427,487	-0.7
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 main- tenance.....	501	138,844	136,103	-2.0	3,818,378	3,671,093	-3.9
Trade.....	16,745	390,533	381,898	-2.2	8,528,991	8,224,113	-3.6
Wholesale.....	2,688	70,635	70,494	-0.2	1,947,717	1,903,709	-2.3
Retail.....	14,057	319,948	311,404	-2.7	6,581,274	6,320,404	-4.0
Hotels.....	2,580	139,871	138,361	-1.1	1,930,567	1,862,592	-3.5
Canning and preserving.....	613	53,280	72,270	+35.6	611,846	844,059	+38.0
Laundries.....	1,006	61,295	60,232	-1.7	984,638	949,574	-3.6
Dyeing and cleaning.....	398	12,602	12,159	-3.5	233,761	219,270	-6.2
Building construction.....	10,462	88,662	86,360	-2.6	2,264,242	2,181,839	-3.6
Total.....	64,762	4,147,771	4,167,215	+0.5	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	+4.4
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	Estab- lish- ments report- ing in both July and Au- gust, 1932	Employment			Earnings			Index num- bers August, 1932 (average 1926=100)	
		Num- ber on pay roll August, 1932	Per cent of change		Amount of pay roll (1 week) August, 1932	Per cent of change		Em- ploy- ment	Pay roll totals
			July to Au- gust, 1932	Au- gust, 1931, to Au- gust, 1932		July to Au- gust, 1932	Au- gust, 1931, to Au- gust, 1932		
Food and kindred products.	3, 078	233, 667	+1.5	-8.7	\$4, 944, 062	-0.9	-22.0	80.6	66.2
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.....	304	13, 545	-2.1	-12.4	366, 829	-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	266, 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.	5, 029	539, 902	+12.7	-26.0	6, 810, 425	+24.9	-40.1	62.3	40.1
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.....	246	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 tex- tiles.....	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	-33.3	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	Estab- lish- ments report- ing in both July and Au- gust, 1932	Employment			Earnings			Index num- bers 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		Em- ploy- ment	Pay roll totals
			July to Au- gust, 1932	Au- gust, 1931, to Au- gust, 1932		July to Au- gust, 1932	Au- gust, 1931, to Au- gust, 1932		
Iron and steel and their products, not including machinery	1,401	279,331	-1.6	-26.4	\$3,716,782	(1)	-52.9	50.8	23.1
Iron and steel	212	162,725	-2.5	-26.1	1,910,598	-9	-57.8	50.4	19.5
Cast-iron pipe	39	5,652	-4.3	-45.7	70,935	-7.6	-64.3	30.7	15.8
Structural and ornamental ironwork	187	15,401	-1.3	-38.1	266,850	-1	-56.7	44.6	25.0
Hardware	115	20,116	-2.6	-25.2	142,439	-3.3	-52.7	46.4	20.9
Steam fittings and steam and hot-water heating apparatus	105	13,242	+1.9	-35.6	223,401	+1.2	-49.7	33.1	18.8
Stoves	160	13,947	+7.3	-27.2	226,267	+9.6	-45.2	43.7	23.8
Bolts, nuts, washers, and rivets	68	8,147	-3.6	-21.9	108,713	-7.8	-49.7	60.3	29.2
Cutlery (not including silver and plated cutlery) and edge tools	127	8,744	+1.3	-12.3	149,294	-2.3	-29.2	63.0	39.5
Forgings, iron and steel	62	5,239	-3.3	-22.7	75,375	-16.8	-50.3	53.0	25.1
Plumbers' supplies	69	6,823	-3.8	-21.3	115,139	+11.2	-45.3	59.0	34.4
Tin cans and other tinware	58	8,618	+5	-13.8	167,426	+3.8	-21.5	75.5	45.2
Tools (not including edge tools, machine tools, files, or saws)	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	82,625	+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	-7	-34.2	248,232	-4.2	-54.3	34.6	19.9
Furniture	481	39,497	+2.2	-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	49.6
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	209,248	-1.4	-13.3	5,141,947	-2.3	-27.3	77.3	62.7
Paper and pulp	419	76,610	+1	-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	+(?)	-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	+9.9	-35.2	127,399	+10.1	-49.1	52.2	35.6

¹ No change.² 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	Estab- lish- ments report- ing in both July and Aug- ust, 1932	Employment			Earnings			Index num- bers 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		Em- ploy- ment	Pay roll totals
			July to Aug- ust, 1932	Aug- ust, 1931, to Aug- ust, 1932		July to Aug- ust, 1932	Aug- ust, 1931, to Aug- ust, 1932		
Nonferrous metals and their products	633	72,563	+2.7	-23.1	\$1,160,119	+2.3	-42.5	50.2	30.6
Stamped and enameled ware	91	12,397	+6	-18.8	192,698	+2.3	-39.0	57.0	34.6
Brass, bronze, and copper products	206	26,197	-1.0	-23.2	409,248	-2.9	-44.4	49.3	27.8
Aluminum manufacturing	27	4,752	+4.1	-23.6	63,391	+7.9	-49.7	46.3	23.5
Clocks, time recording de- vices, and clock move- ments	22	3,383	+36.1	-28.2	43,447	+39.0	-46.8	41.6	26.4
Gas and electric fixtures, lamps, lanterns, and re- flectors	54	4,316	+25.4	-31.5	85,796	+20.9	-44.1	60.6	41.4
Plated ware	54	6,969	+8.0	-19.2	122,288	+6.9	-38.1	57.5	34.0
Smelting and refining— copper, lead, and zinc	28	7,157	-7.1	-20.7	115,019	-10.0	-40.6	53.9	33.1
Jewelry	151	7,392	+13.9	-28.6	128,232	+12.1	-44.7	35.4	21.9
Tobacco manufactures	254	55,619	(1)	-13.2	708,441	-3.8	-25.2	70.3	52.5
Chewing and smoking to- bacco and snuff	35	10,237	+1.1	+6.5	139,400	+2.8	-8.5	88.7	71.8
Cigars and cigarettes	219	45,382	-3	-15.9	569,041	-4.9	-27.5	67.9	50.2
Transportation equipment	419	242,720	-11.1	-22.7	4,564,670	-22.7	-35.1	50.5	32.0
Automobiles	247	204,683	-12.2	-22.4	3,714,083	-24.9	-35.1	52.0	31.8
Aircraft	29	4,260	-5.4	-27.9	138,669	+1.0	-24.4	170.7	183.2
Cars, electric and steam railroad	35	4,507	-5.7	-31.1	79,500	-2.5	-37.3	18.6	11.1
Locomotives	11	2,402	-4.2	-39.8	52,098	-4.5	-49.8	15.9	11.6
Shipbuilding	97	26,868	-6.1	-19.6	580,335	-17.4	-35.4	71.5	52.6
Rubber products	152	67,550	-2.1	-11.6	1,255,306	-8.4	-32.8	61.1	40.1
Rubber tires and inner tubes	41	44,361	-4.3	-10.4	870,317	-13.7	-32.8	62.2	39.0
Rubber boots and shoes	7	5,566	+6.4	-13.8	87,606	+15.8	-35.5	53.8	33.4
Rubber goods, other than boots, shoes, tires, and inner tubes	104	17,623	-1.6	-12.8	297,383	-4.7	-31.9	76.2	47.7
Machinery, not including transportation equip- ment	1,833	258,648	-4.4	-31.7	4,340,768	-6.2	-50.3	45.2	25.7
Agricultural implements	76	5,210	+9.6	-30.7	80,697	+10.7	-35.4	21.7	15.5
Electrical machinery, ap- paratus, and supplies	291	91,467	-3.6	-30.6	1,553,235	-9.6	-51.6	53.5	33.4
Engines, turbines, trac- tors, and water wheels	85	15,029	-5.4	-35.1	281,360	-3.7	-47.1	39.4	23.1
Cash registers, adding machines, and calculating machines	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
Typewriters and supplies	18	6,297	-28.8	-46.7	88,175	-25.0	-60.2	40.7	21.7
Radio	40	15,705	+9	-36.4	274,075	-6.1	-51.6	63.1	44.9
Railroad repair shops	932	87,353	-4.9	-24.3	1,941,319	-3.5	-40.2	44.8	33.0
Electric railroad	403	21,141	-2.1	-11.1	544,780	-4.3	-22.0	66.7	54.6
Steam railroad	529	66,212	-5.3	-25.7	1,396,539	-3.2	-42.1	43.1	31.3
Total, 89 industries	18,152	2,563,348	+1.4	-21.3	42,392,331	+3	-39.2	56.6	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.

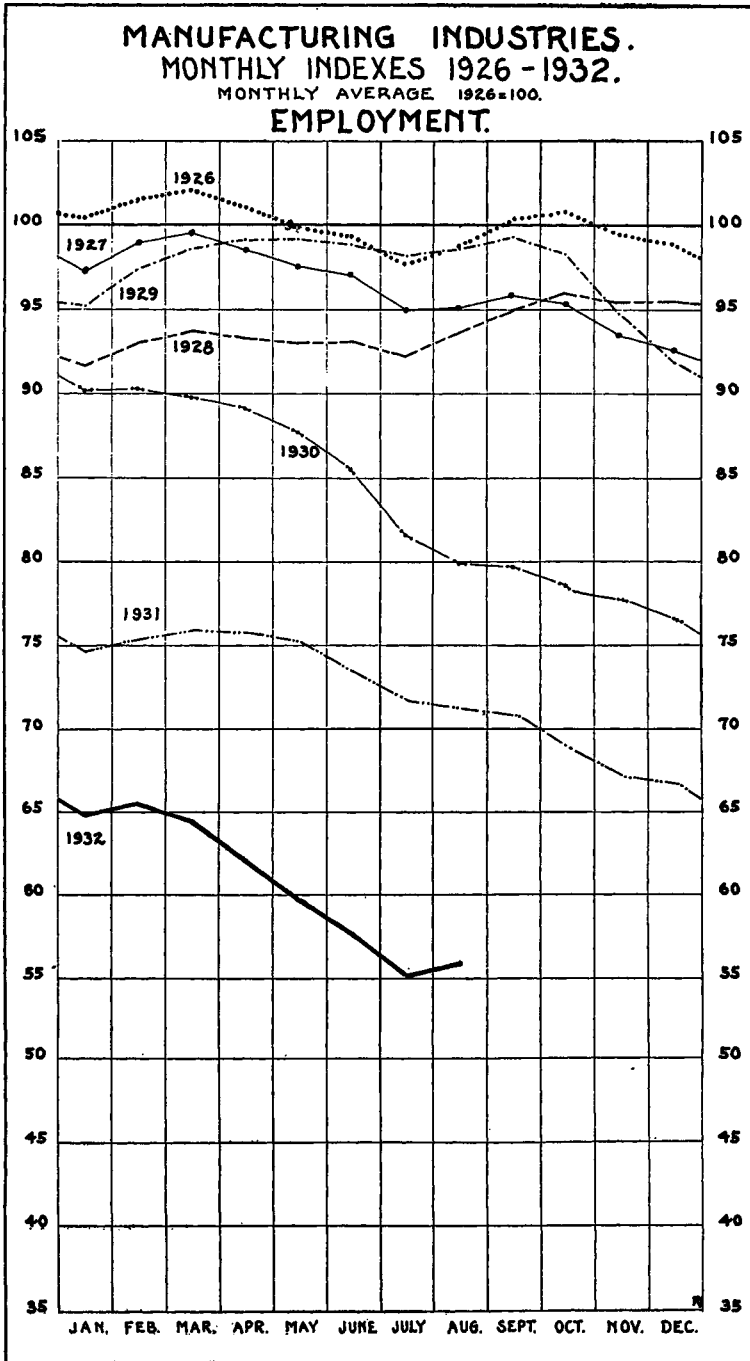
TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN AUGUST, 1932, AND COMPARISON WITH JULY, 1932, AND AUGUST, 1931—Continued

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.....	10.83	-8	-10.6
Explosives.....	18.49	-2.0	-26.2
Paints and varnishes.....	20.50	-4.0	-22.2
Rayon.....	16.36	+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.

140491—32—2



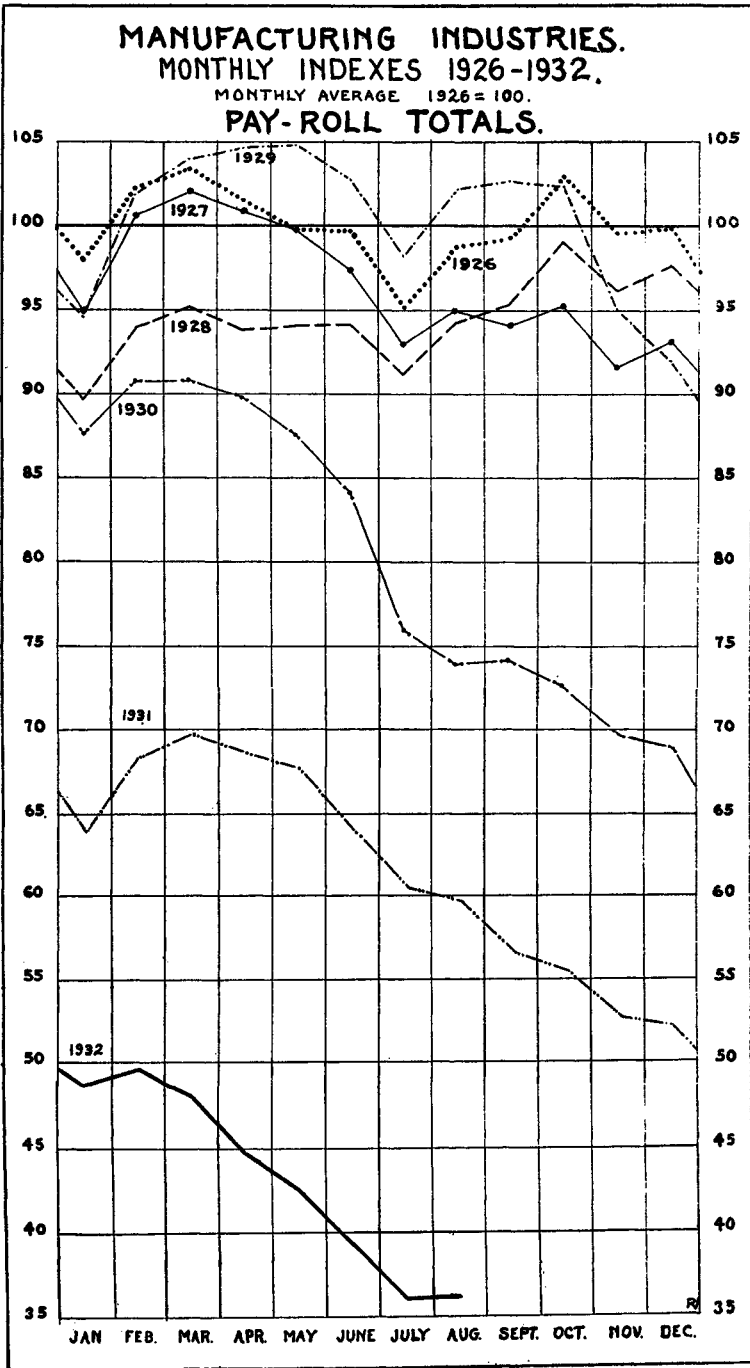


TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND EARNINGS IN **MANUFACTURING INDUSTRIES**, JANUARY, 1926, TO AUGUST, 1932
[12-month average, 1926=100]

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	89.6	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	95.2	103.9	91.6	69.6	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	94.2	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	77.9	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.....	2,375	1	73	26	94	78
Slaughtering and meat packing.....	167	1	72	27	96	87
Confectionery.....	239	3	30	68	81	73
Ice cream.....	319	-----	80	20	97	84
Flour.....	390	1	69	30	92	74
Baking.....	633	-----	85	15	97	78
Sugar refining, cane.....	13	23	31	46	90	83
Beet sugar.....	49	-----	90	10	99	88
Beverages.....	292	-----	74	26	95	79
Butter.....	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 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
Iron and steel and their products, not including machinery	1,030	5	12	83	67	62
Iron and steel.....	158	11	8	80	57	53
Cast-iron pipe.....	35	11	9	80	54	49
Structural and ornamental ironwork.....	130	4	8	88	73	70
Hardware.....	55	2	4	95	64	62
Steam fittings and steam and hot-water heating apparatus.....	85	6	2	92	58	57
Stoves.....	114	5	11	84	69	65
Bolts, nuts, washers, and rivets.....	60	-----	7	93	65	63
Cutlery (not including silver and plated cutlery) and edge tools.....	99	2	23	75	72	63
Forgings, iron and steel.....	34	-----	15	85	64	57
Plumbers' supplies.....	54	6	13	81	73	69
Tin cans and other tinware.....	49	4	43	53	87	77
Tools (not including edge tools, machine tools, files, or saws).....	106	5	16	79	68	61
Wirework.....	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	79	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	275	5	27	67	78	70
Automobiles.....	150	5	13	82	70	66
Aircraft.....	24	8	50	42	92	83
Cars, electric and steam railroad.....	25	4	20	76	76	70
Locomotives.....	8		13	88	79	76
Shipbuilding.....	68	6	56	38	93	82
Rubber products	120	1	28	71	82	75
Rubber tires and inner tubes.....	27		26	74	81	74
Rubber boots and shoes.....	5			100	90	90
Rubber goods, other than boots, shoes, tires, and inner tubes.....	88	1	31	68	82	73
Machinery, not including transportation equipment	1,231	3	19	78	72	66
Agricultural implements.....	61	8	31	61	81	71
Electrical machinery, apparatus, and supplies.....	175	2	14	84	74	70
Engines, turbines, tractors, and water wheels.....	59		20	80	75	69
Cash registers, adding machines, and calculating machines.....	34	6	35	59	83	73
Foundry and machine-shop products.....	727	3	18	79	70	63
Machine tools.....	114	4	10	86	73	70
Textile machinery and parts.....	29	3	21	76	76	70
Typewriters and supplies.....	9		33	67	74	61
Radio.....	23		48	52	88	78
Railroad repair shops	761	1	46	53	90	86
Electric-railroad repair shops.....	343		66	34	94	83
Steam-railroad repair shops.....	418	2	30	68	85	79
Total, 89 industries	13,255	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, August, 1932	Per cent of change		Amount of pay roll (1 week) August, 1932	Per cent of change		Employment	Pay-roll totals
			July to August, 1932	August, 1931, to August, 1932		July to August, 1932	August, 1931, 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	1,611,769	-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	219,521	-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	1,862,052	-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.....	106.0	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	82.6	82.0	73.7	90.8	78.5	71.3	61.2	106.8	98.6	88.8	75.2	108.6	86.4	65.2	46.8
April.....	100.7	84.1	85.2	70.1	88.3	75.0	75.2	72.0	100.2	94.4	85.9	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	66.7	37.4	94.7	83.4	78.4	60.5	90.0	75.6	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	68.9	60.4	24.4
August.....	91.1	80.2	67.3	49.2	78.4	78.8	56.4	41.4	95.7	89.2	77.0	59.4	92.8	71.1	50.6	26.4
September.....	101.9	93.8	80.0	.....	103.8	91.6	64.9	.....	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
Month	Metalliferous mining								Quarrying and nonmetallic mining							
	Employment				Earnings				Employment				Earnings			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
January.....	93.1	95.7	68.3	49.3	88.0	92.7	55.0	29.7	91.6	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	43.3	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	104.1	90.8	75.0	45.6	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	99.0	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	106.7	89.3	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	.....	106.6	87.7	66.6	.....	109.8	82.5	51.2	.....
October.....	101.9	77.2	53.8	.....	103.1	68.6	37.4	.....	103.6	84.7	64.5	.....	105.8	79.3	48.7	.....
November.....	103.0	72.8	52.8	.....	102.2	63.4	35.1	.....	98.6	78.3	59.3	.....	96.0	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
Month	Crude petroleum producing								Telephone and telegraph							
	Employment				Earnings				Employment				Earnings			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
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	86.8	69.8	54.9	96.7	86.6	66.3	44.5	97.8	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	80.6	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	53.0	.....	101.9	93.0	83.5	.....	101.2	97.9	89.7	.....
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 ¹							
	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	86.6	78.9	97.6	95.7	87.1	73.6
March.....	92.8	99.7	96.7	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.....	95.9	100.7	97.1	84.8	95.5	102.6	97.6	82.4	98.5	95.2	86.8	78.0	99.5	97.1	86.6	70.7
May.....	98.4	103.4	97.6	84.0	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	80.6	106.6	106.1	94.3	74.0	101.4	91.8	84.0	73.0	101.5	90.5	81.2	61.2
October.....	105.5	104.8	92.7	79.6	106.0	105.6	93.2	72.0	100.5	91.0	82.7	71.0	100.0	88.9	79.0	60.0
November.....	104.7	103.4	91.3	78.4	104.1	103.7	93.3	70.0	99.4	89.3	81.5	70.0	98.4	87.7	79.7	59.0
December.....	102.5	103.2	90.3	77.0	105.8	106.3	91.2	68.0	98.3	88.8	79.9	68.0	99.8	88.6	77.8	58.0
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
Month	Wholesale trade								Retail trade							
	Employment				Earnings				Employment				Earnings			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
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	86.7	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	95.5	97.3	90.1	81.6	96.0	97.5	88.3	72.7
May.....	99.0	96.8	87.1	77.9	99.0	97.4	84.7	69.7	97.3	96.7	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	97.6	96.8	87.6	68.2
July.....	100.4	96.0	86.8	76.6	100.5	96.0	83.3	64.7	93.6	89.0	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	75.0	103.3	93.6	81.4	61.0	97.6	92.0	86.6	71.0	99.2	92.4	83.5	58.0
October.....	102.9	94.2	85.2	74.0	102.7	92.9	79.9	59.0	101.7	95.5	89.8	70.0	102.6	95.1	84.6	56.0
November.....	102.9	92.6	84.1	72.0	101.9	91.0	79.7	57.0	106.7	98.4	90.9	68.0	105.2	96.8	85.4	54.0
December.....	102.6	92.0	83.7	70.0	104.7	91.3	77.8	55.0	126.2	115.1	106.2	65.0	120.6	107.7	94.1	52.0
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
Month	Hotels								Canning and preserving							
	Employment				Earnings				Employment				Earnings			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
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	50.6	47.8	59.6	47.0	58.9	52.6	57.1	37.9
May.....	98.1	98.0	92.5	80.1	98.9	98.4	87.7	67.0	60.2	65.7	56.0	40.5	71.2	66.9	56.0	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	58.6	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	76.0	100.2	87.1	81.9	56.0	210.1	246.6	180.1	101.0	207.9	214.8	129.4	62.0
October.....	100.6	97.5	87.4	74.0	100.2	95.5	79.7	54.0	143.3	164.7	108.1	101.0	134.5	140.0	77.6	60.0
November.....	100.0	95.2	84.9	72.0	99.8	93.6	77.1	51.0	95.1	96.7	60.8	101.0	91.6	82.9	48.1	58.0
December.....	97.7	93.5	83.1	70.0	98.9	91.5	75.4	49.0	61.3	61.6	40.7	101.0	63.4	57.4	36.9	56.0
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
Month	Laundries								Dyeing and cleaning							
	Employment				Earnings				Employment				Earnings			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
January.....	90.5	84.7	80.0	76.4	86.6	76.4	88.9	82.1	88.9	82.1	88.9	82.1	88.9	82.1	88.9	82.1
February.....	90.0	82.9	78.0	73.3	85.6	73.3	87.4	80.5	87.4	80.5	87.4	80.5	87.4	80.5	87.4	80.5
March.....	89.5	82.0	77.0	71.6	85.6	71.6	88.0	80.6	88.0	80.6	88.0	80.6	88.0	80.6	88.0	80.6
April.....	90.5	82.0	77.0	71.4	86.8	71.4	95.7	83.3	95.7	83.3	95.7	83.3	95.7	83.3	95.7	83.3
May.....	90.3	81.4	76.0	70.6	86.5	70.6	96.7	84.5	96.7	84.5	96.7	84.5	96.7	84.5	96.7	84.5
June.....	91.0	81.0	76.0	68.6	87.1	68.6	99.0	85.1	99.0	85.1	99.0	85.1	99.0	85.1	99.0	85.1
July.....	91.8	80.3	76.0	66.3	87.4	66.3	98.6	82.4	98.6	82.4	98.6	82.4	98.6	82.4	98.6	82.4
August.....	90.2	78.9	76.0	63.9	84.6	63.9	93.5	79.5	93.5	79.5	93.5	79.5	93.5	79.5	93.5	79.5
September.....	89.3	78.0	76.0	61.0	84.1	61.0	95.3	76.0	95.3	76.0	95.3	76.0	95.3	76.0	95.3	76.0
October.....	88.1	76.0	76.0	58.0	81.8	58.0	94.2	74.0	94.2	74.0	94.2	74.0	94.2	74.0	94.2	74.0
November.....	86.2	74.0	76.0	56.0	78.9	56.0	90.1	74.0	90.1	74.0	90.1	74.0	90.1	74.0	90.1	74.0
December.....	85.3	72.0	76.0	54.0	77.4	54.0	84.9	72.0	84.9	72.0	84.9	72.0	84.9	72.0	84.9	72.0
Average.....	100.0	89.4	81.7	70.0	84.4	70.3	100.0	92.7	100.0	82.3	100.0	80.3	100.0	80.3	100.0	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	13,680	+5	199,559	+3	133	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.....	1,379	225,897	+9.6	5,268,550	+8.1	1,102	144,022	+15.7	5,173,454	+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	240,351	-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.....	1,500	222,912	+1.3	5,339,028	+2.9	1,002	163,428	+2.3	2,864,275	+7.1
Indiana.....	1,219	104,202	+2	1,802,546	-4	555	75,003	-1.9	1,252,434	-9
Iowa.....	1,111	41,715	-8	779,798	-1.9	465	22,404	+1	402,891	-2.2
Kansas.....	271,213	40,521	-7	824,388	-2.1	333	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	28,200	+11.3	441,770	+13.9
Maryland.....	841	69,999	-1	1,304,535	-1.6	448	44,842	+9	719,016	(1.4)
Massachusetts.....	7,000	321,201	+8.5	6,800,119	+1.9	1,078	144,504	+12.3	2,502,522	+13.7
Michigan.....	1,551	261,877	-7.4	5,123,431	-16.9	403	198,294	-8.7	3,791,959	-20.6
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	217,848	-2.5
Nevada.....	136	1,464	-6.3	40,533	-2.8	23	287	(0)	8,477	+2.1
New Hampshire.....	457	32,441	+8.2	523,796	+10.0	186	27,864	+8.7	425,540	+10.9
New Jersey.....	1,469	169,635	-1.5	3,646,607	-2.8	707	155,074	-2.4	3,225,666	-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	6,248,801	+4.0
North Carolina.....	854	97,674	+5.6	1,053,035	+13.1	532	92,972	+5.9	977,568	+14.2
North Dakota.....	262	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	548,438	+2.0	9,383,940	+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	575,433	+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.....	769	61,421	-1	1,180,014	-1.1	343	26,434	+1	498,746	-8.1
Utah.....	321	12,008	-7	215,551	-5.0	86	3,553	+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	695,212	-3
Washington.....	1,178	46,279	-1.2	942,530	-5	260	21,629	-1.3	306,135	+3
West Virginia.....	723	72,407	-1.2	1,085,928	+1.0	189	27,423	-3.4	432,062	-5.0
Wisconsin.....	71,072	120,596	-1.8	1,953,089	+3.3	307	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 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.....	15	547	-1.1	\$14, 073	-2.6	64	1, 594	-1.6	\$24, 321	-4.6
Arkansas.....	17	464	-2.3	15, 145	-2.2	139	1, 539	-2.9	27, 679	-2.9
Arizona.....	21	165	-6.2	4, 447	-5.1	172	1, 352	-2.4	23, 469	-1.0
California.....	68	4, 523	-1.1	134, 738	-2.1	94	22, 297	+1.4	462, 485	-1.7
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 Columbia.....	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	372	-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	-2.6
Illinois.....	15	369	+2.4	21, 129	+7	59	16, 004	-3	337, 675	+1.1
Indiana.....	64	1, 262	(*)	32, 134	-2.8	198	5, 537	-2.2	100, 314	-3.9
Iowa.....	34	1, 012	-1.7	26, 437	-3.5	125	3, 045	+1.4	53, 389	-2.6
Kansas.....	55	1, 717	+5.1	32, 701	-1.8	214	3, 991	-1.2	69, 358	-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, 803	+6	40, 869	-1.6
Maine.....	17	490	-2	11, 404	+2.1	60	1, 079	-1.4	20, 000	-1
Maryland.....	35	791	-1.7	17, 648	-2.5	35	4, 665	-2.9	73, 541	-7.3
Massachusetts.....	674	14, 104	-1.2	382, 066	-2.4	4, 032	64, 362	-3.9	1, 132, 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, 956	-5	123, 436	-1.4	134	5, 343	-1	110, 755	-2.1
Montana.....	12	215	-5	6, 303	-1.6	56	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	584	+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, 288	+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	+3	108	1, 512	-2.1	27, 702	-6.1
Oregon.....	54	1, 280	-3.0	35, 775	-2.5	92	1, 694	-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.....	137	2, 706	-5.5	74, 720	-2.7	85	6, 333	-3.7	116, 319	-1.1
Utah.....	16	494	-1.6	12, 191	-1.7	81	523	-4.2	13, 314	+3.1
Vermont.....	5	122	+8	3, 015	-1.4	45	471	-4.5	8, 871	-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, 722	+1.2	38, 049	-7.7	51	6, 824	-2.8	109, 330	-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	567	-2.4	6,180	-2.6					
Georgia.....	19	1,096	+7.5	10,993	+9.4					
Idaho.....						11	1,586	-5	33,959	+1.2
Illinois.....	26	703	+1.3	11,798	+1.3					
Indiana.....	38	1,968	-3	34,314	-2.0					
Iowa.....	17	395	+8.5	6,339	+12.7					
Kansas.....	22	949	-1.9	20,764	+2.6	12	26	(*)	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	327	+7.9	6,696	+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	4,264	+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.....						15	155	-14.8	4,804	-3
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 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.....	39	6,858	-2.0	\$45,737	+2.0					
Arkansas.....	5	89	+32.8	1,641	+141.5	10	227	(*)	\$5,333	-4.7
Arizona.....										
California.....						37	4,179	-3.0	129,374	-7.2
Colorado.....	38	3,048	-7.6	41,446	+6.4					
Connecticut.....										
Delaware.....										
District of Columbia.....										
Florida.....										
Georgia.....										
Idaho.....										
Illinois.....	21	1,557	+33.8	21,621	+13.7	7	136	-1.4	3,067	+3.3
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	+0.1					
Kansas.....	13	473	+18.8	6,908	+30.3	35	1,241	+2.2	29,510	-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.....	13	1,244	+1.1	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	+5.5	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	+2.2	117,375	-6.6
Oregon.....										
Pennsylvania.....	367	51,790	-5.5	532,259	+2.1	19	352	-2.8	9,040	-2.2
Rhode Island.....										
South Carolina.....										
South Dakota.....										
Tennessee.....	14	2,437	-2.7	17,366	-5.3					
Texas.....						5	6,627	+4.7	249,181	+2.3
Utah.....	14	1,303	-2.5	22,996	-9.9					
Vermont.....										
Virginia.....	32	8,193	+7.6	104,234	+11.0					
Washington.....	11	482	-15.9	10,127	-12.7					
West Virginia.....	240	34,715	+8.8	424,836	+11.0	9	386	-5.5	9,123	-5.4
Wisconsin.....										
Wyoming.....	32	3,092	+4.0	65,816	+23.2	5	63	+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 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.....	123	1,968	- .6	42,167	-1.4	27	1,179	-9.9	10,255	-8.1
Arkansas.....	50	1,185	-15.1	29,143	-13.4	17	822	+ .8	8,914	-1.8
Arizona.....	67	1,331	-2.6	35,450	-1.2	13	308	-1.3	4,509	-7.7
California.....	42	48,579	- .2	1,587,556	+ .5	264	11,354	+ .5	187,379	+2.1
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 Columbia.....	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.....	68	67,448	-1.4	1,844,397	-2.6	49	8,180	-3.6	126,539	-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	168,365	-2.3	39	1,701	-1.7	18,051	-4.9
Louisiana.....	152	4,456	- .5	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	12,780	-1.2	364,278	-1.3	24	1,169	-2.5	14,896	-1.8
Massachusetts.....	(*)									
Michigan.....	407	23,047	-2.7	653,597	-4.4	78	4,501	+2.2	56,871	-3.6
Minnesota.....	200	13,106	-1.4	352,183	-1.1	63	2,962	- .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	52	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	382	-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	664,108	-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	1,740	-1.6	37,544	+1.1	35	1,316	+1.5	11,724	- .9
North Dakota.....	117	1,217	-1.1	31,383	+ .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	103,863	-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.....	137	6,813	+ .4	190,943	- .7	44	2,669	- .6	36,665	- .2
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	-(*)	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.....	114	11,166	-1.1	309,073	-1.9	42	1,227	-1.7	(*)	-2.7
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 railroads 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 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.....	4	417	-5.0	\$3,841	-4.6	4	196	+4.8	\$1,912	-8.7
Arkansas.....	19	505	-.8	5,154	-5.2	3	32	-11.1	400	-9.1
Arizona.....	8	227	-4.2	3,128	-7.3					
California.....	13 73	5,776	+6	110,558	-.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 Columbia.....	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.....	13 21	1,355	-4.4	20,065	-8.3					
Indiana.....	20	1,592	-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	1,937	-1.4	29,807	-3.9	9	380	-11.9	4,159	-14.6
Massachusetts.....	105	5,604	-1.4	61,808	-2.8	122	1,584	-1.8	35,488	-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	5,752	+1.6
Mississippi.....	7	382	(4)	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	1,664	-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	(4)	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	19,741	-.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.....	25	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	89	-3.6	1,049	+4.0	3	26	(4)	490	+4.0
Virginia.....	14	958	-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.....	13 26	945	-2.7	13,802	-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, 857	+1. 2	4, 080, 599	4, 088, 882	+ . 2
Philadelphia, Pa.....	666	114, 542	114, 306	— . 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, 261	—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	12,335	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	1,484	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	-.4	27,826	25,643	-7.8
South Bend.....	46	288	195	-32.3	6,322	3,380	-33.6
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	26,953	+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 ¹	262	2,042	1,782	-12.7	58,994	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	2,934	3,111	+6.0
Ohio:							
Akron.....	87	359	320	-10.9	7,350	6,543	-11.0
Cincinnati ²	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	29,698	+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	110,020	109,668	-.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	-.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	+9.4	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.....	156	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	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	-----
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	89.8	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	¹ 59.4

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	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.....	18,152	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	6,456	312	7	8	6,320	39	97
Cotton goods.....	694	193,956	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	29,600	138		11	26,860		2,740
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.....	389	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			4,224		
Iron and steel.....	212	162,725	203		9	157,288		5,437
Cast-iron pipe.....	39	5,652	31		8	3,949		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.....	160	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).....	129	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	984	-----	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	63,323	-----	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	204,685	241	-----	6	203,550	-----	1,135
Aircraft.....	29	4,290	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	23,513	-----	3,355
Rubber tires and inner tubes.....	41	44,361	40	-----	1	44,145	-----	216
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	-----	146

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	Estab- lish- ments report- ing	Total number of em- ployees	Number of es- tablishments reporting—		Number of em- ployees having—	
			No wage changes	Wage de- creases	No wage changes	Wage de- creases
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

