

UNITED STATES DEPARTMENT OF LABOR

W. N. DOAK, Secretary

BUREAU OF LABOR STATISTICS

CHARLES E. BALDWIN, Acting Commissioner

TREND OF EMPLOYMENT

DECEMBER, 1932



By Industries:	Page
Summary	1
Manufacturing Industries	2-12
Nonmanufacturing Industries	13-15
Anthracite and Bituminous Coal Mining	
Metalliferous Mining	
Quarrying and Nonmetallic Mining	
Crude Petroleum Producing	
Public Utilities—	
Telephone and Telegraph	
Power and Light	
Electric Railroads	
Wholesale and Retail Trade	
Hotels	
Canning and Preserving	
Laundries	
Dyeing and Cleaning	
Banks, Brokerage, Insurance, and Real Estate	1
Building Construction	18-19
Class I Steam Railroads	27-28
By States	20-26
By Cities	27
Wage Changes	28-31
Average hours and average hourly earnings	15-18

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1933

TREND OF EMPLOYMENT

Summary for December, 1932

EMPLOYMENT decreased 0.4 per cent in December, 1932, as compared with November, 1932, and pay-roll totals decreased 0.9 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 pay rolls for one week, for both November and December, 1932, together with the per cents of change in December are shown in the following tabulation:

SUMMARY OF EMPLOYMENT AND EARNINGS, NOVEMBER AND DECEMBER, 1932

Industrial groups	Estab- lish- ments	Employment		Per cent of change	Amount of pay roll (1 week)		Per cent of change
		November, 1932	December, 1932		November, 1932	December, 1932	
Manufacturing.....	18,044	2,676,652	2,636,280	-1.9	\$45,726,474	\$44,795,448	-2.3
Coal mining.....	1,362	259,211	260,334	+4	4,545,173	4,729,475	+4.1
Anthracite.....	160	85,685	85,284	-5	2,027,786	2,235,194	+10.2
Bituminous.....	1,202	173,526	175,050	+9	2,517,387	2,494,281	-9
Metalliferous mining.....	275	20,965	21,838	+4.2	397,881	397,624	-.1
Quarrying and nonmetallic mining.....	631	22,687	19,411	-14.4	338,712	275,304	-18.7
Crude petroleum producing.....	276	21,752	22,019	+1.2	627,544	616,803	-1.7
Public utilities.....	12,328	617,319	612,597	-.8	16,974,666	16,902,929	-.4
Telephone and telegraph.....	8,302	272,000	269,598	-.9	7,163,557	7,082,328	-1.1
Power and light.....	3,523	211,587	209,993	-.8	6,144,666	6,140,082	-.1
Electric-railroad and motor- bus operation and main- tenance.....	503	133,732	133,006	-.5	3,666,443	3,680,519	+4
Trade.....	17,552	425,316	482,715	+13.5	8,992,593	9,676,417	+7.6
Wholesale.....	2,822	73,643	73,076	-.8	1,984,926	1,963,142	-1.1
Retail.....	14,730	351,673	409,639	+16.5	7,007,667	7,713,275	+10.1
Hotels.....	2,410	132,756	130,902	-1.4	1,813,945	1,784,651	-1.6
Canning and preserving.....	902	45,068	30,121	-33.2	505,989	377,458	-25.4
Laundries.....	965	57,641	57,407	-.4	876,198	869,562	-.8
Dyeing and cleaning.....	337	10,651	10,270	-3.6	180,848	167,440	-7.4
Building construction.....	10,090	79,163	66,836	-15.6	1,908,033	1,513,092	-20.7
Banks, brokerage, insur- ance, and real estate.....	3,260	127,540	126,971	-.4	4,474,416	4,440,538	-.8
Total.....	68,432	4,496,721	4,477,701	-.4	87,362,472	86,546,741	-.9

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; 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 December, 1932. (See section "Class I steam railroads" for latest figures reported.)

Per capita weekly earnings in December, 1932, for each of the 17 industrial groups included in the bureau's monthly trend-of-employment survey, together with the per cents of change in December, 1932,

as compared with November, 1932, and December, 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 17 INDUSTRIAL GROUPS IN DECEMBER, 1932, AND COMPARISON WITH NOVEMBER, 1932, AND DECEMBER, 1931

Industrial group	Per capita weekly earnings in December, 1932	Per cent of change December, 1932, compared with—	
		November, 1932	December, 1931
Manufacturing.....	\$16.99	-0.5	-17.4
Coal mining:			
Anthracite.....	26.21	+10.7	-8.2
Bituminous.....	14.25	-1.8	-16.3
Metalliferous mining.....	18.21	-4.1	-16.1
Quarrying and nonmetallic mining.....	14.18	-5.0	-23.8
Crude petroleum producing.....	28.01	-2.9	-22.7
Public utilities:			
Telephone and telegraph.....	26.27	-3	-11.9
Power and light.....	29.24	+7	-7.5
Electric-railroad and motor-bus operation and maintenance.....	27.67	+9	-11.0
Trade:			
Wholesale.....	26.86	-3	-12.6
Retail.....	18.83	-5.5	-12.8
Hotels (cash payments only) ¹	13.63	-2	-14.8
Canning and preserving.....	12.53	+11.6	-16.2
Laundries.....	15.15	-3	-14.8
Dyeing and cleaning.....	16.30	-4.0	-19.5
Building construction.....	22.64	-6.1	(?)
Banks, brokerage, insurance, and real estate.....	35.08	-3	(?)
Total.....	\$ 18.81	\$ -4	\$ -15.0

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

² Data not available.

³ Not including building construction or banks, etc.

Employment in Selected Manufacturing Industries in December, 1932

Comparison of Employment and Pay-Roll Totals in December, 1932, with November, 1932, and December, 1931

EMPLOYMENT in manufacturing industries decreased 1.9 per cent in December, 1932, as compared with November, 1932, and pay-roll totals decreased 2.3 per cent over the month interval. Comparing December, 1932, with December, 1931, decreases of 12.6 per cent in employment and 27.8 per cent in pay rolls are shown over the 12-month period.

The per cents of change in employment and pay-roll totals in December, 1932, as compared with November, 1932, are based on returns made by 18,044 establishments in 89 of the principal manufacturing industries in the United States, having in December, 2,636,280 employees, whose combined earnings in one week were \$44,795,448.

The index of employment in December, 1932, was 58.3, as compared with 59.4 in November, 59.9 in October, 1932, and 66.7 in December, 1931; the pay-roll index in December, 1932, was 37.7 as compared with 38.6 in November, 39.9 in October, 1932, and 52.2 in December, 1931. The 12-month average for 1926 equals 100.

In Table 1, which follows, are shown the number of identical establishments reporting in both November and December, 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 December 15, the amount of their weekly earnings in December, the per cents of change over the month and year intervals, and the indexes of employment and pay roll in December, 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 pay roll reported in identical establishments for the two months considered. The per cents 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 pay-roll totals.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, AND DECEMBER, 1931

Industry	Establishments reporting in both November and December, 1932	Employment			Pay-roll totals			Index numbers December, 1932 (average 1926=100)	
		Number on pay roll December, 1932	Per cent of change		Amount of pay roll (1 week) December, 1932	Per cent of change		Employment	Pay-roll totals
			November to December, 1932	December, 1931, to December, 1932		November to December, 1932	December, 1931, to December, 1932		
Food and kindred products.	3,931	259,301	-2.6	-6.7	\$4,989,899	-2.7	-19.9	83.2	64.9
Slaughtering and meat packing.....	226	83,999	+ (1)	-7.6	1,696,940	+1.9	-21.8	86.2	68.1
Confectionery.....	334	38,300	-6.7	-3.1	540,748	-1.9	-19.4	86.4	63.7
Ice cream.....	393	10,408	-3.5	-8.9	204,399	-0.8	-26.3	61.9	47.0
Flour.....	430	15,960	-1.2	-3.4	337,354	-1.5	-11.6	82.8	66.6
Baking.....	962	61,703	-6	-9.1	1,350,243	-2.3	-19.7	78.9	64.6
Sugar refining, cane.....	15	7,939	-2.2	-6.6	189,431	-2.0	-13.3	74.7	61.2
Beet sugar.....	60	17,693	-15.7	+11.5	277,448	-28.4	-17.4	201.1	111.9
Beverages.....	322	8,888	-6.1	15.1	220,543	-1.5	-21.6	63.9	50.6
Butter.....	289	5,411	-2.0	-4.5	112,793	-4.0	-18.9	93.8	73.6
Textiles and their products.	3,956	617,247	-2.3	-2.5	7,779,716	-5.5	-20.9	71.3	44.8
Cotton goods.....	677	233,465	-5	+1.9	2,425,621	-3.3	-12.1	75.2	49.9
Hosiery and knit goods.....	438	100,488	-4.4	+8	1,321,201	-10.2	-13.8	85.2	59.3
Silk goods.....	240	44,681	-1.8	-15.8	570,121	-2.6	-33.5	59.7	38.5
Woolen and worsted goods.....	252	56,723	+3	+8.3	908,140	+4.0	-6.3	71.5	51.7
Carpets and rugs.....	34	13,757	-4.8	-17.0	212,705	-6.8	-31.0	52.4	31.0
Dyeing and finishing textiles.....	154	34,393	-1	-6.0	598,310	-1.3	-25.5	78.0	53.3
Clothing, men's.....	379	57,975	-6.7	-2.7	661,594	-19.1	-28.3	65.0	30.7
Shirts and collars.....	117	16,298	-1.9	-2.0	173,844	+5.3	-3.5	64.0	41.4
Clothing, women's.....	380	23,956	-1.5	-13.2	382,554	-6.2	-35.0	63.8	36.0
Millinery.....	131	8,011	-6.6	-11.3	117,885	-6.0	-29.3	59.9	35.3
Corsets and allied garments.....	30	5,272	-1.4	+3	77,655	-5	-6.2	98.3	76.6
Cotton small wares.....	117	9,462	-4.3	-4.9	137,997	-5.0	-20.5	78.8	54.7
Hats, fur-felt.....	36	5,270	-6.0	-6.6	100,189	-3.3	-2.4	65.2	41.5
Men's furnishings.....	71	7,501	-5.1	-4.0	82,900	-17.1	-32.1	69.5	40.7

¹Less than one-tenth of 1 per cent.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, AND DECEMBER, 1931—Con.

Industry	Establishments reporting in both November and December, 1932	Employment			Pay-roll totals			Index numbers December, 1932 (average 1926=100)	
		Number on pay roll December, 1932	Per cent of change		Amount of pay roll (1 week) December, 1932	Per cent of change		Employment	Pay-roll totals
			November to December, 1932	December, 1931, to December, 1932		November to December, 1932	December, 1931, to December, 1932		
Iron and steel and their products, not including machinery	1,383	285,193	-3.4	-19.7	33,898,008	-6.9	-40.2	51.4	24.2
Iron and steel	209	170,482	-2.0	-17.3	2,130,694	-5.0	-41.0	52.1	21.9
Cast-iron pipe	38	5,411	-3.8	-40.9	68,365	+3.8	-60.0	29.0	14.8
Structural and ornamental ironwork	197	13,492	-.8	-35.7	217,319	-7.0	-51.0	40.0	21.8
Hardware	105	20,984	-.2	-17.5	282,436	+2.2	-37.7	49.8	25.0
Steam fittings and steam and hot-water heating apparatus	98	13,241	-11.4	-29.2	219,593	-14.9	-39.7	34.0	19.0
Stoves	152	14,497	-9.9	-7.5	222,630	-18.6	-23.7	49.5	25.8
Bolts, nuts, washers, and rivets	69	8,310	+2	-13.9	125,424	-2.0	-31.8	61.5	33.7
Cutlery (not including silver and plated cutlery) and edge tools	129	8,681	-4.5	-15.2	151,251	-7.0	-28.2	61.3	39.3
Forgings, iron and steel	60	4,874	+5	-24.3	73,481	+5.6	-40.7	53.4	27.8
Plumbers' supplies	69	5,274	-17.0	-34.1	68,571	-33.7	-58.1	46.1	21.1
Tin cans and other tinware	60	8,165	-2.9	-6.7	154,138	+1.8	-13.6	71.1	42.5
Tools (not including edge tools, machine tools, files, or saws)	128	6,818	-1.2	-25.7	109,553	-2.9	-38.6	61.1	34.7
Wirework	69	4,964	-3.2	-18.3	74,553	-13.9	-39.4	87.3	52.8
Lumber and allied products	1,627	120,252	-3.9	-18.3	1,464,659	-9.6	-38.8	36.6	18.8
Lumber	645	58,826	-4.8	-15.9	638,667	-13.0	-37.8	33.4	15.8
Sawmills	485	17,714	-2.8	-29.0	247,594	-8.2	-46.6	33.0	18.3
Millwork	476	42,649	-3.2	-19.3	563,950	-6.9	-38.3	45.9	23.8
Furniture	21	1,063	+2.1	-3.2	14,448	+1.6	-7.9	45.8	37.4
Turpentine and rosin									
Leather and its manufactures	498	122,062	-3.6	-4.3	1,697,874	-4.0	-16.3	69.3	40.7
Leather	164	25,212	-1.4	+1.1	461,587	-1.8	-8.3	70.7	53.1
Boots and shoes	334	96,850	-4.1	-5.5	1,236,287	-4.5	-19.1	69.0	37.2
Paper and printing	1,922	214,528	-.7	-10.1	5,284,162	-.6	-23.1	78.5	64.9
Paper and pulp	410	78,517	-2.6	-5.9	1,348,889	-7.1	-24.1	73.0	46.7
Paper boxes	314	20,716	-2.9	-11.8	356,650	-5.9	-22.3	71.9	58.0
Printing									
Book and job	752	47,683	+1.2	-16.1	1,288,052	+4.0	-28.7	72.7	59.3
Newspapers and periodicals	446	67,612	+1	-6.8	2,290,571	+1	-18.4	98.0	85.8
Chemicals and allied products	1,036	148,723	-.5	-6.7	3,262,869	-2.0	-18.8	75.6	59.7
Chemicals	121	20,712	-.9	-7.0	482,850	-3.0	-20.4	84.6	59.8
Fertilizers	203	6,053	-5.5	-10.3	80,313	-1.2	-26.2	43.5	30.4
Petroleum refining	135	52,963	+1.7	-7.1	1,389,358	-3	-19.2	62.5	51.8
Cottonseed oil, cake, and meal	46	2,465	-6.6	-4.8	25,736	-5.8	-27.0	51.1	44.3
Druggists' preparations	41	7,486	-.7	-11.2	152,721	-1.3	-18.5	71.4	70.9
Explosives	26	3,297	+4	-11.8	64,441	-4.5	-23.0	79.3	51.7
Paints and varnishes	354	14,454	-2.0	-11.9	301,887	-4.5	-26.7	65.7	49.3
Rayon	23	28,731	+2.9	-.7	427,398	+1.9	-7.6	146.9	122.5
Soap	87	12,562	-3.8	-3.3	278,165	-4.5	-12.5	94.5	79.2
Stone, clay, and glass products	1,321	80,800	-6.9	-23.6	1,265,046	-7.7	-39.2	40.7	25.9
Cement	119	11,222	-19.8	-33.0	175,185	-25.7	-50.7	32.9	17.2
Brick, tile, and terra cotta	678	16,009	-12.8	-36.2	180,086	-14.0	-54.6	23.8	9.9
Pottery	121	14,628	-.6	-9.7	227,908	-2.2	-27.2	62.3	36.9
Glass	189	33,938	-1.2	-12.5	576,881	-4.5	-27.0	57.2	38.4
Marble, granite, slate, and other stone products	214	5,003	-7.3	-32.5	104,986	-3.0	-46.2	43.2	28.1

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, AND DECEMBER, 1931—Con.

Industry	Estab-lishments reporting in both No-vember and De-cember, 1932	Employment			Pay-roll totals			Index num-bers Decem-ber, 1932 (average 1926=100)	
		Number on pay roll De-cember, 1932	Per cent of change		Amount of pay roll (1 week) Decem-ber, 1932	Per cent of change		Em-ploy-ment	Pay-roll totals
			No-vember to De-cember, 1932	De-cember, 1931, to De-cember, 1932		No-vember to De-cember, 1932	De-cember, 1931, to De-cember, 1932		
Nonferrous metals and their products.....	625	78,976	-2.4	-16.0	\$1,320,622	-6.9	-31.7	53.1	33.6
Stamped and enameled ware.....	88	12,646	-5.1	-9.8	188,734	-11.6	-30.5	59.7	34.6
Brass, bronze, and copper products.....	204	27,450	-1.8	-18.1	449,960	-4.6	-35.1	51.0	29.6
Aluminum manufactures.....	26	4,877	-1.6	-13.3	78,233	-5.0	-26.4	47.5	29.0
Clocks, time-recording devices, and clock move-ments.....	24	5,264	-4	-20.8	73,471	-12.7	-36.9	43.3	28.4
Gas and electric fixtures, lamps, lanterns, and re-flectors.....	53	4,790	-5	-18.9	95,934	-4.0	-32.0	67.2	46.6
Plated ware.....	54	7,752	-2.8	-11.9	139,110	-12.9	-30.6	62.2	37.8
Smelting and refining—copper, lead, and zinc.....	28	8,152	+3.0	-14.9	136,333	+6	-27.5	58.8	37.7
Jewelry.....	148	8,045	-12.1	-18.5	158,847	-7.9	-32.8	37.5	26.8
Tobacco manufactures.....	242	54,467	-5.3	-3.9	703,868	-3.9	-14.4	70.8	53.5
Chewing and smoking to-bacco and snuff.....	34	10,027	-2.7	-2.3	134,563	-3.3	-12.4	86.8	69.4
Cigars and cigarettes.....	208	44,440	-5.6	-4.2	569,305	-4.0	-14.7	68.8	51.6
Transportation equipment.....	393	211,905	+8.6	-24.8	4,385,826	+13.4	-33.3	45.7	31.4
Automobiles.....	223	173,331	+11.3	-25.0	3,495,542	+15.6	-33.4	46.2	31.1
Aircraft.....	30	5,768	+2.2	-20.3	177,906	+3.9	-20.5	187.6	193.5
Cars, electric and steam railroad.....	39	5,473	-5.2	-3.8	98,636	-6	-6.5	20.0	11.6
Locomotives.....	11	2,107	-1.5	-35.3	43,155	-2.2	-49.5	13.9	9.5
Shipbuilding.....	90	25,226	+1	-28.9	570,587	+7.6	-38.2	66.8	51.5
Rubber products.....	167	73,192	-2	-8.9	1,315,547	+1.0	-21.3	64.5	40.6
Rubber tires and inner tubes.....	45	42,627	-9	-10.2	753,034	+1.7	-27.8	58.3	33.3
Rubber boots and shoes.....	9	11,245	+6.7	-15.6	214,172	+8.2	-7.7	58.9	48.9
Rubber goods, other than boots, shoes, tires, and inner tubes.....	103	19,320	-2.1	-2.7	348,341	-3.0	-15.3	83.6	56.3
Machinery, not including transportation equip-ment.....	1,818	279,254	-9	-27.2	5,106,299	+1.1	-41.7	45.4	27.0
Agricultural implements.....	73	6,353	+15.2	-29.3	93,528	+14.3	-32.6	26.0	18.0
Electrical machinery, ap-paratus, and supplies.....	290	103,075	-1.0	-33.1	2,053,872	+2	-46.3	48.6	32.5
Engines, turbines, tractors, and water wheels.....	88	14,942	+9	-29.9	297,195	+5.7	-37.0	40.1	25.0
Cash registers, adding ma-chines, and calculating machines.....	44	13,204	-4	-17.8	307,602	+1	-26.8	63.1	45.6
Foundry and machine-shop products.....	1,075	98,030	-5	-23.6	1,586,217	+1.3	-40.7	44.1	23.3
Machine tools.....	147	10,867	+2.6	-37.5	200,526	+3.0	-49.5	31.3	18.8
Textile machinery and parts.....	44	6,593	+2.4	-20.6	116,664	+7.5	-40.4	54.2	34.6
Typewriters and supplies.....	18	8,018	-12.5	-32.9	130,636	-1.9	-37.1	51.8	32.1
Radio.....	39	18,172	-9.3	-13.1	320,059	-12.8	-30.6	70.4	50.9
Railroad repair shops.....	935	99,386	-1.4	-9.8	2,330,053	-3	-21.4	49.5	39.0
Electric railroad.....	387	20,620	+4	-10.5	537,473	+3.7	-22.7	65.9	54.5
Steam railroad.....	548	78,760	-1.6	-9.7	1,792,580	-8	-21.2	48.2	37.8
Total, 89 industries.....	18,044	2,636,296	-1.9	-12.6	44,795,448	-2.3	-27.8	58.3	37.7

Per Capita Earnings in Manufacturing Industries

PER CAPITA weekly earnings in December, 1932, for each of the 89 manufacturing industries surveyed by the Bureau of Labor Statistics, together with the per cents of change in December, 1932, as compared with November, 1932, and December, 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 DECEMBER, 1932, AND COMPARISON WITH NOVEMBER, 1932, AND DECEMBER, 1931

Industry	Per capita weekly earnings in December, 1932	Per cent of change compared with—	
		November, 1932	December, 1931
Food and kindred products:			
Slaughtering and meat packing.....	\$20.20	+1.9	-15.5
Confectionery.....	14.12	+5.2	-16.8
Ice cream.....	25.40	-3.4	-18.3
Flour.....	21.14	-1.3	-8.1
Baking.....	21.88	-1.7	-11.6
Sugar refining, cane.....	23.86	+3	-7.2
Beet sugar.....	15.68	-15.0	-25.7
Beverages.....	24.81	+4.9	-7.9
Butter.....	20.85	-2.0	-14.9
Textiles and their products:			
Cotton goods.....	10.39	-2.9	-13.5
Hosiery and knit goods.....	13.15	-6.0	-14.4
Silk goods.....	12.76	-.9	-21.0
Woolen and worsted goods.....	16.01	+3.8	-13.4
Carpets and rugs.....	15.46	-2.2	-17.5
Dyeing and finishing textiles.....	17.40	-1.2	-20.6
Clothing, men's.....	11.41	-13.4	-26.3
Shirts and collars.....	10.67	-3.4	-1.0
Clothing, women's.....	15.97	-4.8	-25.2
Millinery.....	14.72	+1.0	-20.2
Corsets and allied garments.....	14.73	-.8	-16.3
Cotton small wares.....	14.58	-.8	-6.4
Hats, fur-felt.....	19.01	+2.9	+4.3
Men's furnishings.....	11.05	-12.6	-29.4
Iron and steel and their products, not including machinery:			
Iron and steel.....	12.50	-3.0	-29.1
Cast-iron pipe.....	12.63	+7.9	-32.2
Structural and ornamental ironwork.....	16.11	-6.2	-23.7
Hardware.....	13.46	+2.4	-24.0
Steam fittings and steam and hot-water heating apparatus.....	16.58	-4.0	-14.9
Stoves.....	15.36	-9.6	-17.6
Bolts, nuts, washers, and rivets.....	15.09	-2.3	-20.8
Cutlery (not including silver and plated cutlery) and edge tools.....	17.42	-2.7	-15.1
Forgings, iron and steel.....	15.08	+5.1	-21.8
Plumbers' supplies.....	13.00	-20.2	-36.5
Tin cans and other tinware.....	18.88	+4.8	-7.3
Tools (not including edge tools, machine tools, files, or saws).....	16.07	-1.7	-17.4
Wirework.....	15.02	-11.1	-25.9
Lumber and allied products:			
Lumber—			
Sawmills.....	10.86	-8.7	-26.3
Millwork.....	13.98	-5.5	-24.5
Furniture.....	13.22	-3.9	-23.4
Turpentine and rosin.....	13.59	-.6	-4.6
Leather and its manufactures:			
Leather.....	18.31	-.4	-9.4
Boots and shoes.....	12.76	-.4	-14.4
Paper and printing:			
Paper and pulp.....	17.18	-4.7	-19.5
Paper boxes.....	17.22	-3.0	-11.9
Printing—			
Book and job.....	27.01	+2.8	-15.1
Newspapers and periodicals.....	33.88	-.1	-12.5

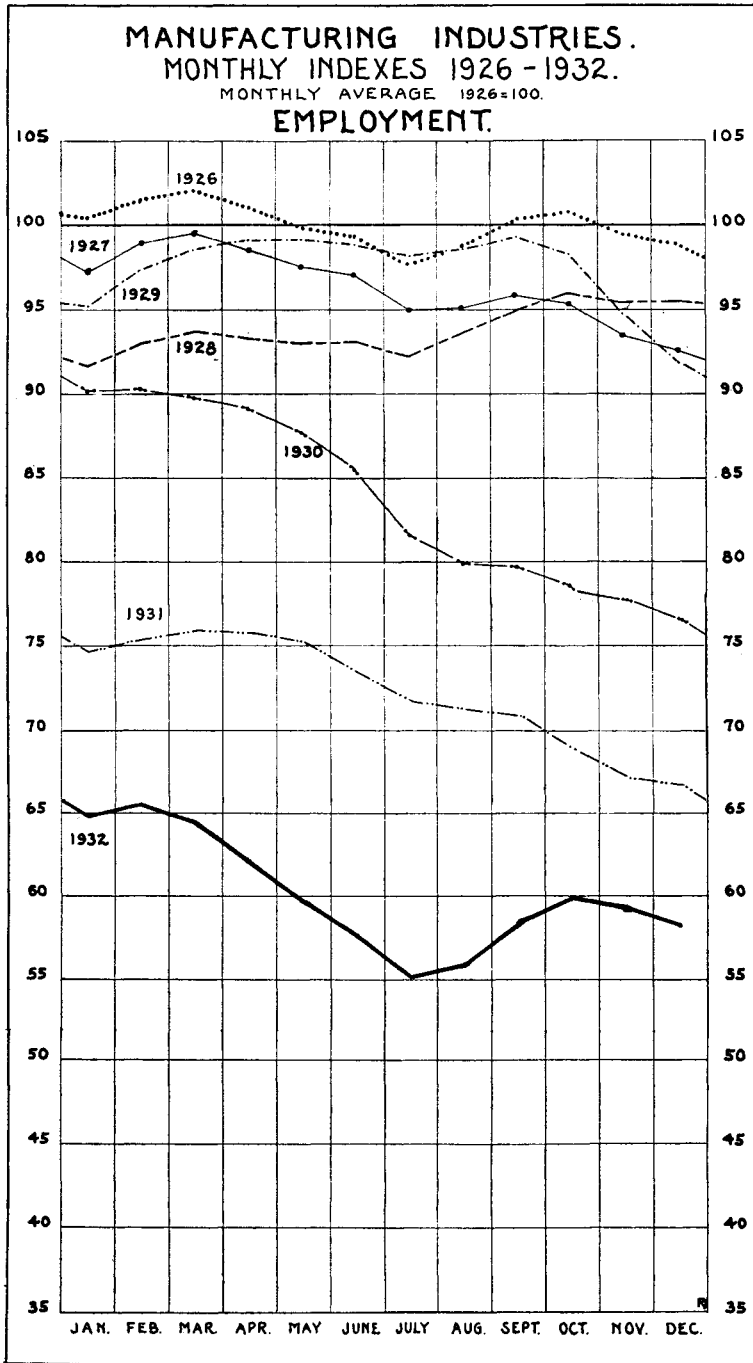
TABLE 2.—PER CAPITA WEEKLY EARNINGS IN MANUFACTURING INDUSTRIES IN DECEMBER, 1932, AND COMPARISON WITH NOVEMBER, 1932, AND DECEMBER, 1931—Continued

Industry	Per capita weekly earnings in December, 1932	Per cent of change compared with—	
		November, 1932	December, 1931
Chemicals and allied products:			
Chemicals.....	\$23.31	-2.2	-14.4
Fertilizers.....	13.27	+4.7	-17.4
Petroleum refining.....	26.23	-2.0	-12.9
Cottonseed oil, cake, and meal.....	10.44	+8	-23.4
Druggists' preparations.....	20.40	-6	-8.6
Explosives.....	19.55	-4.8	-12.5
Paints and varnishes.....	20.89	-2.6	-17.0
Rayon.....	16.96	-1.0	-7.3
Soap.....	22.14	-8	-9.8
Stone, clay, and glass products:			
Cement.....	15.61	-7.4	-26.4
Brick, tile, and terra cotta.....	11.25	-1.4	-28.4
Pottery.....	15.58	-1.6	-19.1
Glass.....	17.00	-3.4	-16.9
Marble, granite, slate, and other stone products.....	20.98	+4.6	-20.9
Nonferrous metals and their products:			
Stamped and enameled ware.....	14.92	-6.9	-23.2
Brass, bronze, and copper products.....	16.39	-2.8	-20.9
Aluminum manufactures.....	16.04	-3.4	-15.0
Clocks, time recording devices, and clock movements.....	13.96	-12.3	-10.6
Gas and electric fixtures, lamps, lanterns, and reflectors.....	20.03	-3.5	-15.8
Plated ware.....	17.95	-10.4	-21.1
Smelting and refining—copper, lead, and zinc.....	16.72	-2.3	-14.8
Jewelry.....	19.74	+4.7	-17.6
Tobacco manufactures:			
Chewing and smoking tobacco and snuff.....	13.42	-7	-10.4
Cigars and cigarettes.....	12.81	+1.7	-11.1
Transportation equipment:			
Automobiles.....	20.17	+3.9	-11.5
Aircraft.....	30.84	+1.6	-2
Cars, electric and steam railroad.....	18.02	+4.9	-3.1
Locomotives.....	20.48	-7	-21.8
Shipbuilding.....	22.62	+7.4	-13.2
Rubber products:			
Rubber tires and inner tubes.....	17.67	+2.6	-19.6
Rubber boots and shoes.....	19.05	+1.5	+9.3
Rubber goods, other than boots, shoes, tires, and inner tubes.....	18.03	-9	-13.1
Machinery, not including transportation equipment:			
Agricultural implements.....	14.72	-8	-4.8
Electrical machinery, apparatus, and supplies.....	19.93	+1.2	-18.9
Engines, turbines, tractors, and water wheels.....	19.89	+4.7	+10.1
Cash registers, adding machines, and calculating machines.....	23.30	+4	-11.0
Foundry and machine-shop products.....	16.18	+1.8	-22.4
Machine tools.....	18.45	+3	-19.0
Textile machinery and parts.....	17.70	+5.0	-24.9
Typewriters and supplies.....	16.29	+12.1	-6.2
Radio.....	17.61	-3.8	-20.0
Railroad repair shops:			
Electric-railroad repair shops.....	26.07	+3.3	-13.3
Steam-railroad repair shops.....	22.76	+8	-12.8

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

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

155161—33—2



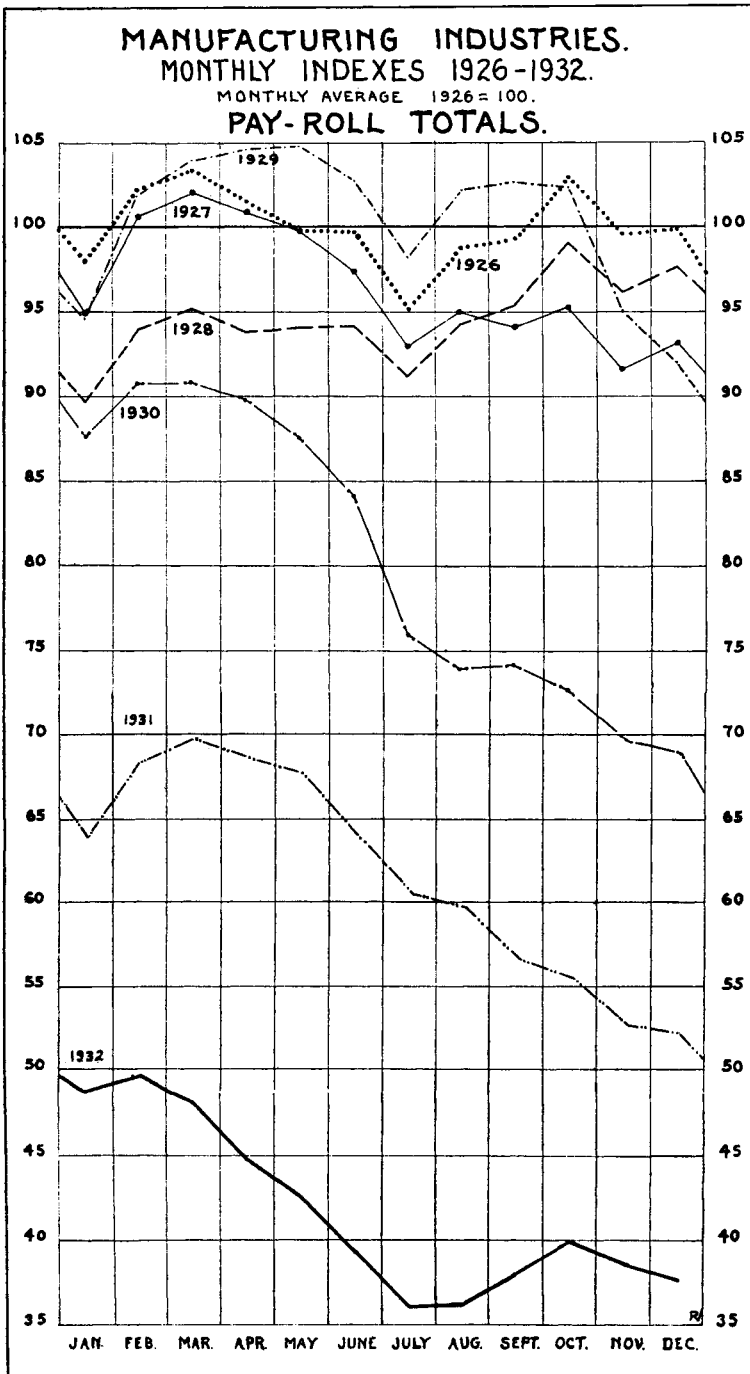


TABLE 3.—GENERAL INDEXES OF EMPLOYMENT AND PAY ROLLS IN **MANUFACTURING INDUSTRIES**, JANUARY, 1926, TO DECEMBER, 1932

[12-month average, 1926=100]

Month	Employment							Pay rolls						
	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	58.5	99.3	94.1	95.4	102.6	75.4	56.7	38.1
October.....	100.7	95.3	95.9	98.4	79.9	68.9	59.9	102.9	95.2	99.0	102.4	74.0	55.3	39.9
November.....	99.5	93.5	95.4	95.0	77.9	67.1	59.4	99.6	91.6	96.1	95.4	69.6	52.5	38.6
December.....	98.9	92.6	95.5	92.3	76.6	66.7	58.3	99.8	93.2	97.7	92.4	68.8	52.2	37.7
Average.....	100.0	96.4	93.8	97.5	84.7	72.2	60.1	100.0	96.5	94.5	100.5	81.3	61.5	41.6

Time Worked in Manufacturing Industries in December, 1932

REPORTS as to working time in December were received from 13,192 establishments in 89 manufacturing industries. Four per cent of these establishments were idle, 42 per cent operated on a full-time basis, and 54 per cent worked on a part-time schedule.

An average of 84 per cent of full-time operation in December was shown by reports received from all the operating establishments included in Table 4. The establishments working part time in December averaged 71 per cent of full-time operation.

A number of establishments supplying data concerning plant-operating time have reported full-time operations but have qualified the hours reported with a statement that, while the plant was operating full time, the work in the establishment was being shared and the employees were not working the full-time hours operated by the plant. Such establishments have been classified under full-time establishments in the following tabulation. The heading of the column concerning full-time plants has therefore been changed to read, "Per cent of establishments operating full time" instead of "Per cent of establishments in which employees worked full time."

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

Industry	Establishments reporting		Per cent of establishments operating—		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, 283	1	70	29	93	78
Slaughtering and meat packing	171		77	23	97	86
Confectionery	237	1	58	41	91	77
Ice cream	292	3	55	42	92	81
Flour	358	1	68	31	93	77
Baking	655		84	16	96	76
Sugar refining, cane	14	21	36	43	86	74
Beet sugar	36		94	6	99	85
Beverages	275	1	56	44	88	72
Butter	245	1	73	26	95	81
Textiles and their products	2, 344	5	57	37	90	75
Cotton goods	626	3	56	41	89	74
Hosiery and knit goods	377	3	66	31	93	78
Silk goods	218	6	65	28	92	73
Woolen and worsted goods	232	4	56	40	91	79
Carpets and rugs	26	12	31	58	77	65
Dyeing and finishing textiles	144	3	48	49	89	78
Clothing, men's	234	12	56	33	91	77
Shirts and collars	66	6	65	29	93	77
Clothing, women's	132	17	61	21	93	73
Millinery	91	9	43	48	88	77
Corsets and allied garments	21		57	43	90	77
Cotton small wares	102	1	42	57	85	75
Hats, fur-felt	22		59	41	87	68
Men's furnishings	53	4	60	36	90	71
Iron and steel and their products, not including machinery	1, 048	4	13	83	68	62
Iron and steel	153	10	5	84	56	53
Cast-iron pipe	35	9	6	86	52	48
Structural and ornamental ironwork	135	2	7	90	70	67
Hardware	55		4	96	68	67
Steam fittings and steam and hot-water heating apparatus	84	6	5	89	57	55
Stoves	114	2	9	89	66	62
Bolts, nuts, washers, and rivets	60		18	82	69	62
Cutlery (not including silver and plated cutlery) and edge tools	105	3	26	71	75	66
Forgings, iron and steel	39		15	85	65	58
Plumbers' supplies	55		18	82	69	62
Tin cans and other tinware	52	2	48	50	89	78
Tools (not including edge tools, machine tools, files, or saws)	109	4	16	81	73	68
Wirework	52	2	13	85	74	69
Lumber and allied products	1, 072	5	22	72	73	65
Lumber—						
Sawmills	449	7	11	82	67	62
Millwork	275	4	19	78	71	63
Furniture	330	5	39	56	82	69
Turpentine and rosin	18	6	39	56	90	84
Leather and its manufactures	360	5	28	67	80	72
Leather	124	2	41	57	87	79
Boots and shoes	236	7	21	72	76	69
Paper and printing	1, 512	1	38	61	85	76
Paper and pulp	316	3	25	72	77	69
Paper boxes	258		22	78	82	77
Printing—						
Book and job	581	(1)	26	73	83	76
Newspapers and periodicals	357		81	19	98	89

¹ Less than one-half of 1 per cent.

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

Industry	Establishments reporting		Per cent of establishments operating—		Average per cent of full time reported by—	
	Total number	Per cent idle	Full time	Part time	All operating establishments	Establishments operating part time
Chemicals and allied products	777	2	53	46	90	77
Chemicals.....	88	2	59	39	90	76
Fertilizers.....	143	2	70	28	93	76
Petroleum refining.....	70	4	71	24	96	85
Cottonseed oil, cake, and meal.....	34	9	76	15	96	77
Druggists' preparations.....	25	—	52	48	94	88
Explosives.....	16	—	—	100	83	83
Paints and varnishes.....	308	—	39	61	85	76
Rayon.....	12	—	58	42	93	82
Soap.....	81	—	53	47	91	80
Stone, clay, and glass products	689	20	30	49	78	64
Cement.....	71	34	58	8	95	60
Brick, tile, and terra cotta.....	223	35	9	56	62	55
Pottery.....	91	9	19	73	72	65
Glass.....	123	5	67	28	93	76
Marble, granite, slate, and other stone products.....	181	13	27	61	79	69
Nonferrous metals and their products	490	1	29	70	80	71
Stamped and enameled ware.....	73	1	19	79	74	68
Brass, bronze, and copper products.....	145	1	21	78	78	72
Aluminum manufactures.....	22	—	23	77	81	75
Clocks, time-recording devices, and clock movements.....	20	—	35	65	77	65
Gas and electric fixtures, lamps, lanterns, and reflectors.....	45	—	29	71	84	77
Plated ware.....	47	—	23	77	78	71
Smelting and refining—copper, lead, and zinc.....	17	6	47	47	89	78
Jewelry.....	121	1	43	56	85	71
Tobacco manufactures	200	5	29	67	82	75
Chewing and smoking tobacco and snuff.....	32	—	31	69	82	74
Cigars and cigarettes.....	168	6	28	66	82	75
Transportation equipment	256	3	35	62	84	75
Automobiles.....	125	2	26	72	80	72
Aircraft.....	28	11	43	46	94	86
Cars, electric and steam railroad.....	26	12	12	77	73	69
Locomotives.....	9	—	11	89	76	73
Shipbuilding.....	68	—	59	41	93	83
Rubber products	131	2	26	73	81	74
Rubber tires and inner tubes.....	33	—	9	91	69	66
Rubber boots and shoes.....	8	—	38	63	91	85
Rubber goods, other than boots, shoes, tires, and inner tubes.....	90	2	31	67	85	77
Machinery, not including transportation equipment	1,251	2	19	80	72	66
Agriculture implements.....	53	—	19	81	74	69
Electrical machinery, apparatus, and supplies.....	192	1	18	81	77	72
Engines, turbines, tractors, and water wheels.....	64	—	16	84	73	68
Cash registers, adding machines, and calculating machines.....	37	3	32	65	84	75
Foundry and machine-shop products.....	730	2	18	80	69	62
Machine tools.....	108	2	13	85	73	69
Textile machinery and parts.....	29	3	17	79	76	71
Typewriters and supplies.....	13	8	23	69	73	63
Radio.....	25	—	52	48	90	80
Railroad repair shops	779	1	46	53	90	81
Electric-railroad repair shops.....	349	—	66	34	95	85
Steam-railroad repair shops.....	430	1	30	69	86	79
Total, 89 industries	13,192	4	42	54	84	71

Employment in Nonmanufacturing Industries in December, 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 pay-roll totals.

TABLE 1.—COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **NONMANUFACTURING** ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, AND DECEMBER, 1931

Industrial group	Estab-lish-ments reporting in both No-ven-ber and De-cem-ber, 1932	Employment			Pay-roll totals			Index num-bers, Decem-ber, 1932 (Average 1929=100)	
		Number on pay roll, De-cem-ber, 1932	Per cent of change		Amount of pay roll (1 week) December, 1932	Per cent of change		Em-ploy-ment	Pay-roll totals
			No-ven-ber to De-cem-ber, 1932	De-cem-ber, 1931, to De-cem-ber, 1932		No-ven-ber to De-cem-ber, 1932	De-cem-ber, 1931, to De-cem-ber, 1932		
Anthracite mining.....	160	85,284	-0.5	-21.9	\$2,235,194	+10.2	-28.3	62.3	56.2
Bituminous coal mining.....	1,202	175,050	+ .9	-13.8	2,494,281	- .9	-27.9	70.0	37.7
Metalliferous mining.....	275	21,838	+4.2	-35.0	397,624	- .1	-45.5	33.3	18.7
Quarrying and nonmetallic mining.....	631	19,411	-14.4	-21.5	275,304	-18.7	-40.1	42.3	22.1
Crude petroleum producing.....	276	22,019	+1.2	-1.7	616,803	-1.7	-24.0	57.2	41.7
Telephone and telegraph.....	8,302	269,598	- .9	-10.0	7,082,328	-1.1	-20.7	74.8	73.5
Power and light.....	3,523	209,993	- .8	-13.2	6,140,082	- .1	-19.7	78.4	73.2
Electric-railroad and motor-bus operation and maintenance.....	503	133,006	- .5	-10.6	3,680,519	+ .4	-20.4	71.4	61.9
Wholesale trade.....	2,822	73,076	- .8	-8.0	1,963,142	-1.1	-19.5	77.0	62.6
Retail trade.....	14,730	409,639	+16.5	-10.4	7,713,275	+10.1	-21.8	95.2	73.6
Hotels.....	2,410	130,902	-1.4	-11.9	1,784,651	-1.6	-24.9	73.2	56.6
Canning and preserving.....	902	30,121	-33.2	-17.2	377,458	-25.4	-30.6	33.7	25.6
Laundries.....	965	57,407	- .4	-11.0	869,562	- .8	-24.2	75.9	58.7
Dyeing and cleaning.....	337	10,270	-3.6	-11.4	167,440	-7.4	-28.7	75.2	48.4

Indexes of Employment and Pay-Roll Totals for Nonmanufacturing Industries

INDEX numbers of employment and pay-roll totals for 14 nonmanufacturing industries are presented in the following table. The index numbers show the variation in employment and pay rolls in these groups, by months, from January, 1929, to December, 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 pay rolls 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 later months of 1930 and, therefore, indexes for each month of the entire period are not available.

TABLE 2.—INDEXES OF EMPLOYMENT AND PAY ROLLS FOR **NONMANUFACTURING** INDUSTRIES, JANUARY TO DECEMBER, 1929, 1930, 1931, AND 1932

[12-month average, 1929=100]

Month	Anthracite mining								Bituminous coal mining							
	Employment				Pay rolls				Employment				Pay rolls			
	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	100.5	94.4	85.9	65.5	89.2	81.7	58.6	33.9
May.....	102.7	93.8	80.3	66.9	99.0	98.8	76.1	58.0	96.7	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	84.3	66.7	37.4	94.8	88.4	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	50.4	24.4
August.....	91.1	80.2	67.3	49.2	78.4	78.6	64.9	41.4	95.7	88.2	77.0	59.4	92.8	71.1	50.6	26.4
September.....	101.9	93.8	80.0	55.8	103.8	91.6	64.9	47.0	97.2	90.5	80.4	62.4	98.6	79.4	53.6	30.2
October.....	106.1	99.0	86.8	63.9	133.9	117.2	91.1	66.7	98.8	91.8	81.3	60.7	106.8	79.4	56.2	30.2
November.....	104.0	97.2	83.5	62.7	100.5	98.0	79.5	51.0	101.0	92.5	81.1	69.4	106.0	79.1	54.6	38.0
December.....	107.1	99.1	79.8	62.3	137.2	100.0	78.4	56.2	101.4	92.5	81.2	70.0	108.2	77.7	52.3	37.7
Average.....	100.0	93.4	80.5	62.5	100.0	95.3	75.4	53.7	100.0	93.4	83.2	67.4	100.0	81.3	57.5	35.6
Month	Metalliferous mining								Quarrying and nonmetallic mining							
	Employment				Pay rolls				Employment				Pay rolls			
	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	96.6	87.4	76.1	46.6	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	50.6	107.1	90.2	63.2	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	29.3	102.6	69.9	40.0	17.0	106.6	87.7	66.6	52.4	109.8	82.5	51.2	30.5
October.....	101.9	77.2	53.8	30.5	103.1	68.6	37.4	18.0	103.6	84.7	64.5	52.4	105.8	79.3	48.7	30.1
November.....	103.0	72.8	52.8	31.9	102.2	63.4	35.1	18.7	98.6	78.3	59.3	49.4	96.0	66.8	43.3	27.1
December.....	98.5	70.1	51.2	33.3	99.7	59.9	34.3	18.7	90.1	70.2	53.9	42.3	85.4	59.9	36.9	22.1
Average.....	100.0	83.2	59.1	36.5	100.0	78.0	44.8	21.6	100.0	84.3	67.4	49.0	100.0	79.3	53.4	29.1
Month	Crude petroleum producing								Telephone and telegraph							
	Employment				Pay rolls				Employment				Pay rolls			
	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	100.4	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	92.9	79.1
September.....	108.9	85.0	61.2	56.2	110.7	84.0	55.2	41.9	102.5	96.8	85.0	77.4	100.4	102.2	92.1	75.9
October.....	107.9	85.2	60.4	56.8	100.1	82.6	54.4	42.5	101.9	94.5	84.1	76.2	105.1	100.8	91.6	75.7
November.....	101.1	83.6	57.6	56.5	103.8	80.0	52.0	42.4	101.9	93.0	83.5	75.5	101.2	97.9	89.7	74.3
December.....	97.0	77.4	58.2	57.2	102.1	77.2	54.9	41.7	101.8	91.6	83.1	74.8	103.9	101.3	92.7	73.5
Average.....	100.0	87.4	65.7	55.3	100.0	85.9	61.7	44.1	100.0	97.9	86.6	79.1	100.0	102.9	93.7	81.1
Month	Power and light								Electric-railroad and motor-bus operation and maintenance ¹							
	Employment				Pay rolls				Employment				Pay rolls			
	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	75.4
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	74.8
March.....	92.8	99.7	96.7	85.5	94.5	102.1	102.4	85.4	97.0	94.4	86.4	77.9	97.6	98.0	88.1	73.6
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	71.8
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	72.2
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	70.2
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	66.4
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	63.8
September.....	105.5	105.2	94.7	81.0	106.6	106.1	94.3	74.7	101.4	91.8	84.0	73.5	101.5	90.5	81.2	62.5
October.....	107.7	104.8	92.7	79.9	106.0	105.6	93.2	74.4	100.4	91.0	82.7	72.3	100.0	88.9	79.0	61.5
November.....	104.7	103.4	91.3	79.1	104.1	103.7	93.3	73.2	99.5	89.3	81.5	71.8	98.4	87.7	79.7	61.7
December.....	102.5	103.2	90.3	78.4	105.8	106.3	91.2	73.2	98.3	88.8	79.9	71.4	99.8	88.6	77.8	61.9
Average.....	100.0	103.0	95.6	83.0	100.0	104.3	96.7	79.8	100.0	93.4	84.7	75.5	100.0	93.5	83.4	68.0

¹ Not including electric-railroad car building and repairing; see transportation equipment and railroad repair-shop groups, manufacturing industries, Table 1.² Revision due to correction received from one company.

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

Month	Wholesale trade								Retail trade							
	Employment				Pay rolls				Employment				Pay rolls			
	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	98.6	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	77.1	103.3	93.6	81.4	63.1	97.6	92.0	86.6	77.8	99.2	92.4	83.5	64.6
October.....	102.9	94.2	85.2	77.8	102.7	92.9	79.9	63.9	101.7	95.5	89.8	81.3	102.6	95.1	84.6	67.1
November.....	102.9	92.6	84.1	77.6	101.9	91.0	79.7	63.3	106.7	98.4	90.9	81.7	105.2	96.8	85.4	66.9
December.....	102.6	92.0	83.7	77.0	104.7	91.3	77.8	62.6	126.2	115.1	106.2	95.2	120.6	107.7	94.1	73.6
Average.....	100.0	96.0	86.6	78.2	100.0	95.9	83.6	67.0	100.0	95.9	89.4	80.9	100.0	96.2	86.6	69.4
Month	Hotels								Canning and preserving							
	Employment				Pay rolls				Employment				Pay rolls			
	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	31.6
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	56.0	36.0
June.....	99.3	98.0	91.6	78.0	98.7	98.1	85.4	63.8	76.6	63.3	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	101.1	90.6	77.0	100.2	97.1	81.9	59.1	210.1	246.6	180.1	125.3	207.9	214.8	129.4	75.1
October.....	100.6	97.5	87.4	75.4	100.2	95.5	79.7	58.6	143.3	104.7	108.1	81.1	134.5	140.6	77.6	51.8
November.....	100.0	95.2	84.9	74.3	99.8	93.6	77.1	57.5	95.1	96.7	60.8	50.5	91.6	82.9	48.1	34.4
December.....	97.7	93.5	83.1	73.2	98.9	91.5	75.4	56.6	61.3	61.6	40.7	33.7	63.4	57.4	36.9	25.6
Average.....	100.0	99.2	91.7	79.0	100.0	98.5	85.4	64.5	100.0	103.9	80.9	59.5	100.0	96.1	65.6	42.6
Month	Laundries								Dyeing and cleaning							
	Employment				Pay rolls				Employment				Pay rolls			
	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932	1929	1930	1931	1932
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	---	---	85.6	71.0	---	---	88.0	80.6	---	---	75.6	61.7
April.....	---	---	90.5	82.0	---	---	80.8	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	---	---	98.0	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	78.6	---	---	84.1	62.9	---	---	95.3	83.3	---	---	82.6	61.0
October.....	---	---	88.1	77.5	---	---	81.8	61.2	---	---	94.2	82.3	---	---	81.4	58.8
November.....	---	---	86.2	76.2	---	---	78.9	59.1	---	---	90.1	78.0	---	---	74.7	52.3
December.....	---	---	85.3	75.9	---	---	77.4	58.7	---	---	84.9	75.2	---	---	67.9	48.4
Average.....	100.0	---	89.4	80.1	100.0	---	84.4	67.0	100.0	---	92.7	81.4	100.0	---	80.3	60.5

Average Man-Hours Worked and Average Hourly Earnings

IN THE following tables the bureau presents a tabulation of man-hours worked per week and average hourly earnings, based on reports supplied by identical establishments in November and December, 1932, in 15 industrial groups and 73 manufacturing industries. Man-hour data for the building construction group and for the insurance, real estate, banking, and brokerage groups are not available, and data for several of the 89 manufacturing industries surveyed monthly are omitted from these tables due to lack of adequate information.

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

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

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

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

Per capita weekly earnings, computed by multiplying the average man-hours worked per week by the average hourly earnings shown in the following table, are not identical to the per capita weekly earnings appearing elsewhere in this trend-of-employment compilation. As already noted, the basic information upon which these average weekly man-hours and average hourly earnings are computed covers approximately 50 per cent of the establishments reporting in these groups while the per capita weekly earnings for each of the separate manufacturing industries and 17 industrial groups are obtained by dividing the total weekly earnings in all establishments reporting by the total number of employees in those establishments, which includes both full-time and part-time workers.

TABLE 1.—AVERAGE HOURS WORKED PER WEEK PER EMPLOYEE AND AVERAGE HOURLY EARNINGS IN 15 INDUSTRIAL GROUPS, NOVEMBER AND DECEMBER, 1932

Industrial group	Average hours per week		Average hourly earnings	
	November, 1932	December, 1932	November, 1932	December, 1932
	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Manufacturing.....	38.4	38.2	43.6	43.3
Anthracite mining.....	28.8	31.8	81.8	82.1
Bituminous coal mining.....	30.4	30.4	47.9	47.6
Metalliferous mining.....	40.6	40.3	47.2	46.6
Quarrying and nonmetallic mining.....	35.7	33.6	42.2	42.5
Crude petroleum producing.....	47.3	44.9	61.8	63.6
Telephone and telegraph.....	38.5	38.7	69.4	68.9
Power and light.....	43.7	44.2	65.5	65.3
Electric-railroad and motor-bus operation and maintenance.....	45.4	46.3	59.5	59.2
Wholesale trade.....	46.8	46.8	56.1	56.1
Retail trade.....	44.7	44.5	43.4	41.3
Hotels.....	51.0	51.7	25.3	24.9
Canning and preserving.....	39.3	40.0	32.6	34.4
Laundries.....	42.4	42.2	35.2	35.1
Dyeing and cleaning.....	44.2	43.3	38.6	37.6
Total.....	41.7	41.6	46.4	45.5

TABLE 2.—AVERAGE HOURS WORKED PER WEEK PER EMPLOYEE AND AVERAGE HOURLY EARNINGS, IN SELECTED MANUFACTURING INDUSTRIES, NOVEMBER AND DECEMBER, 1932

Industry	Average hours per week		Average hourly earnings	
	November, 1932	December, 1932	November, 1932	December, 1932
	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Food and kindred products:				
Slaughtering and meat packing.....	44.7	45.9	45.2	44.7
Confectionery.....	41.6	43.0	33.7	33.5
Ice cream.....	49.0	47.6	51.7	52.2
Flour.....	46.8	46.2	43.7	43.9
Baking.....	46.1	45.5	43.6	43.4
Sugar refining, cane.....	47.5	50.2	45.1	42.2
Beet sugar.....	50.5	35.7	36.7	38.0
Beverages.....	39.0	40.5	60.3	59.7
Textiles and their products:				
Cotton goods.....	46.4	45.8	22.7	22.3
Hosiery and knit goods.....	47.0	45.1	31.3	31.0
Silk goods.....	40.3	41.1	31.5	30.8
Woolen and worsted goods.....	41.9	43.9	36.0	36.0
Carpets and rugs.....	33.7	32.9	41.1	42.4
Dyeing and finishing textiles.....	44.3	45.0	39.7	39.1
Cotton small wares.....	40.9	40.9	35.9	35.7
Iron and steel and their products, not including machinery:				
Iron and steel.....	25.8	24.9	48.8	48.8
Cast-iron pipe.....	26.7	28.4	43.6	44.8
Structural and ornamental ironwork.....	33.2	31.6	49.9	47.7
Hardware.....	28.7	31.0	46.1	45.1
Steam fittings and steam and hot-water heating apparatus.....	31.7	30.3	50.8	50.9
Stoves.....	35.3	28.4	46.6	47.7
Bolts, nuts, washers, and rivets.....	33.4	32.2	44.3	44.6
Cutlery (not including silver and plated cutlery) and edge tools.....	35.7	35.8	51.2	50.4
Forgings, iron and steel.....	31.7	33.0	47.8	46.9
Plumbers' supplies.....	33.5	27.9	49.8	47.4
Tin cans and other tinware.....	40.1	41.9	40.3	40.7
Tools (not including edge tools, machine tools, files, or saws).....	33.1	32.8	47.1	46.7
Lumber and allied products:				
Lumber—				
Sawmills.....	37.7	34.5	31.3	30.3
Millwork.....	36.6	34.4	37.2	36.6
Furniture.....	37.4	35.5	34.5	35.3
Leather and its manufactures:				
Leather.....	43.3	43.1	40.4	39.8
Paper:				
Paper and pulp.....	41.1	39.4	43.3	43.2
Paper boxes.....	43.1	41.2	40.5	40.9
Printing—				
Book and job.....	36.9	37.5	66.3	65.7
Newspapers and periodicals.....	42.3	42.3	76.2	76.1
Chemicals and allied products:				
Chemicals.....	41.3	40.9	52.1	51.7
Fertilizers.....	41.8	44.3	30.7	30.4
Petroleum refining.....	39.3	39.3	63.8	63.6
Druggists' preparations.....	40.7	41.6	44.7	44.6
Explosives.....	39.9	37.9	55.7	55.9
Paints and varnishes.....	40.2	39.7	53.1	52.6
Rayon.....	45.6	46.1	37.9	37.6
Soap.....	42.5	41.0	42.1	43.6
Stone, clay, and glass products:				
Cement.....	39.6	34.8	41.1	43.1
Brick, tile, and terra cotta.....	30.1	29.5	35.2	36.0
Pottery.....	39.7	38.1	39.5	40.5
Glass.....	37.2	35.4	45.7	43.9
Marble, granite, slate, and other stone products.....	28.9	29.8	58.5	57.9
Nonferrous metals and their products:				
Stamped and enameled ware.....	39.7	37.5	38.8	37.9
Brass, bronze, and copper products.....	33.6	32.1	46.0	45.7
Clocks, time-recording devices, and clock movements.....	39.7	40.4	43.1	42.3
Plated ware.....	38.0	35.1	49.2	46.3
Smelting and refining—copper, lead, and zinc.....	32.4	31.9	48.6	48.1
Jewelry.....	34.7	33.9	50.0	52.7
Tobacco manufactures:				
Chewing and smoking tobacco and snuff.....	39.4	40.5	32.8	32.7
Cigars and cigarettes.....	39.0	40.6	30.9	31.3
Transportation equipment:				
Automobiles.....	31.3	34.1	60.4	58.4
Aircraft.....	44.7	46.1	68.0	67.2
Locomotives.....	27.3	27.7	57.3	46.5
Shipbuilding.....	29.6	33.4	63.4	60.6
Rubber products:				
Rubber tires and inner tubes.....	29.3	29.7	58.5	59.0
Rubber goods, other than boots, shoes, tires, and inner tubes.....	37.2	38.4	45.1	42.9

TABLE 2.—AVERAGE HOURS WORKED PER WEEK PER EMPLOYEE AND AVERAGE HOURLY EARNINGS, IN SELECTED MANUFACTURING INDUSTRIES, NOVEMBER AND DECEMBER, 1932—Continued

Industry	Average hours per week		Average hourly earnings	
	November, 1932	December, 1932	November, 1932	December, 1932
Machinery, not including transportation equipment:	<i>Hours</i>	<i>Hours</i>	<i>Cents</i>	<i>Cents</i>
Agricultural implements.....	29.7	29.6	48.2	48.9
Electrical machinery, apparatus, and supplies.....	31.3	31.0	57.4	57.7
Engines, turbines, tractors, and water wheels.....	31.4	33.0	56.5	56.2
Cash registers, adding machines, and calculating machines.....	34.4	34.5	67.1	67.4
Foundry and machine shop products.....	28.0	29.8	52.7	52.0
Machine tools.....	31.3	31.4	56.9	56.5
Textile machinery and parts.....	29.3	31.1	58.5	58.4
Typewriters and supplies.....	28.9	35.1	48.1	47.5
Radio.....	37.2	36.0	44.1	43.6
Railroad repair shops:				
Electric railroad.....	43.0	45.0	57.5	57.5
Steam railroad.....	35.9	36.1	62.7	62.2

Employment in Building Construction in December, 1932

THERE was a decrease of 15.6 per cent in employment in the building construction industry in December, 1932, as compared with November, 1932, and pay-roll totals decreased 20.7 per cent over the month interval.

The per cents of change of employment and pay-roll totals in December, 1932, as compared with November, 1932, are based on returns made by 10,090 firms employing in December 66,836 workers in the various trades in the building construction industry. These reports cover building operations in various localities in 34 States and the District of Columbia.

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

Locality	Number of firms reporting	Number on pay roll		Per cent of change	Amount of pay roll		Per cent of change
		Nov. 15	Dec. 15		Nov. 15	Dec. 15	
Alabama: Birmingham.....	67	528	422	-20.1	\$7,067	\$4,660	-34.1
California:							
Los Angeles ¹	24	799	878	+9.9	16,288	16,307	+.
San Francisco-Oakland ¹	25	780	604	-22.6	15,783	12,485	-20.9
Other reporting localities ¹	20	522	380	-27.2	11,835	8,065	-31.9
Colorado: Denver.....	186	702	567	-19.2	14,230	11,868	-16.6
Connecticut:							
Bridgeport.....	118	548	444	-19.0	11,612	10,456	-10.0
Hartford.....	209	1,002	910	-9.2	23,473	20,159	-14.1
New Haven.....	176	1,095	986	-10.0	26,578	25,239	-5.0
Delaware: Wilmington.....	111	1,137	1,000	-12.0	22,114	20,611	-6.8
District of Columbia.....	533	7,476	7,386	-1.9	208,064	192,232	-7.6
Florida:							
Jacksonville.....	46	250	320	+28.0	3,972	5,029	+26.6
Miami.....	71	546	511	-6.4	10,281	11,212	+9.1
Georgia: Atlanta.....	126	1,210	1,046	-13.6	19,633	13,148	-33.0
Illinois:							
Chicago ¹	132	1,180	887	-24.8	34,840	22,026	-36.8
Other reporting localities ¹	71	381	283	-25.7	8,590	4,964	-42.2
Indiana:							
Evansville.....	46	250	192	-23.2	4,095	3,129	-23.6
Fort Wayne.....	95	356	255	-28.4	5,891	3,621	-38.5
Indianapolis.....	163	718	649	-9.4	15,802	13,672	-13.5
South Bend.....	41	170	180	+5.9	3,110	3,032	-2.5

¹ Data supplied by cooperating State bureaus.

COMPARISON OF EMPLOYMENT AND TOTAL PAY ROLL IN THE **BUILDING CONSTRUCTION** INDUSTRY IN IDENTICAL FIRMS, NOVEMBER AND DECEMBER, 1932—Continued

Locality	Number of firms reporting	Number on pay roll		Per cent of change	Amount of pay roll		Per cent of change
		Nov. 15	Dec. 15		Nov. 15	Dec. 15	
Iowa: Des Moines.....	104	846	534	-36.9	\$14,007	\$10,224	-27.0
Kansas: Wichita.....	67	464	419	-9.7	9,286	7,166	-22.8
Kentucky: Louisville.....	121	767	606	-21.0	12,894	9,475	-26.5
Louisiana: New Orleans.....	129	1,259	1,239	-1.6	21,087	19,124	-9.1
Maine: Portland.....	98	498	418	-16.1	10,452	8,821	-15.6
Maryland: Baltimore ¹	115	914	849	-7.1	16,339	14,454	-11.5
Massachusetts: All reporting localities ¹	740	5,651	4,526	-19.9	141,923	109,647	-22.7
Michigan:							
Detroit.....	413	2,807	2,283	-18.7	62,461	47,006	-24.7
Flint.....	45	159	109	-31.4	2,528	1,820	-28.0
Grand Rapids.....	97	490	462	-5.7	9,532	9,181	-3.7
Minnesota:							
Duluth.....	53	326	299	-8.3	6,318	5,805	-8.1
Minneapolis.....	225	1,240	1,015	-18.1	25,827	20,665	-20.0
St. Paul.....	151	797	554	-30.5	18,662	10,449	-44.0
Missouri:							
Kansas City ²	241	1,383	987	-28.6	28,377	21,925	-22.7
St. Louis.....	453	2,501	1,932	-22.8	65,742	47,991	-27.0
Nebraska: Omaha.....	137	625	521	-16.6	12,966	10,659	-17.8
New York:							
New York City ¹	331	9,383	7,134	-24.0	350,746	247,831	-29.3
Other reporting localities ¹	179	4,147	3,583	-13.6	122,801	91,284	-25.7
North Carolina: Charlotte.....	39	199	171	-14.1	2,711	2,461	-9.2
Ohio:							
Akron.....	74	288	248	-13.9	4,334	3,619	-16.5
Cincinnati ³	474	2,672	2,199	-17.7	62,618	48,768	-22.1
Cleveland.....	465	2,601	2,249	-13.5	64,843	55,896	-13.8
Dayton.....	113	394	464	+17.8	7,765	7,944	+2.3
Youngstown.....	65	274	193	-29.6	4,661	3,156	-32.3
Oklahoma:							
Oklahoma City.....	81	340	265	-22.1	5,019	4,442	-11.5
Tulsa.....	42	156	147	-5.8	2,388	2,249	-5.8
Oregon: Portland.....	176	760	549	-27.8	16,068	9,812	-38.9
Pennsylvania: ⁴							
Erie area ¹	23	201	90	-55.2	3,432	1,985	-42.2
Philadelphia area ¹	435	3,778	3,260	-13.7	82,539	65,491	-20.7
Pittsburgh area ¹	238	1,500	1,197	-20.2	37,186	29,596	-20.4
Reading-Lebanon area ¹	42	273	196	-28.2	4,724	3,631	-23.1
Scranton area ¹	36	193	150	-22.3	3,909	3,114	-20.3
Other reporting areas ¹	291	2,098	1,689	-19.5	39,679	31,262	-21.2
Rhode Island: Providence.....	230	1,353	1,181	-12.7	30,084	25,895	-13.9
Tennessee:							
Chattanooga.....	35	268	304	+13.4	3,882	3,748	-3.5
Knoxville.....	48	547	450	-17.7	5,966	4,963	-16.8
Memphis.....	90	352	381	+8.2	6,404	6,401	(⁵)
Nashville.....	67	663	631	-4.8	10,082	8,824	-12.5
Texas:							
Dallas.....	145	982	724	-26.3	14,856	10,742	-27.7
El Paso.....	20	142	212	+49.3	1,934	2,743	+41.8
Houston.....	129	741	580	-21.7	13,013	8,785	-32.5
San Antonio.....	94	546	467	-14.5	8,244	6,622	-19.7
Utah: Salt Lake City.....	79	297	276	-7.1	6,322	5,285	-16.4
Virginia:							
Norfolk-Portsmouth.....	88	465	535	+15.1	7,871	8,258	+4.9
Richmond.....	137	900	807	-10.3	16,984	14,490	-14.7
Washington:							
Seattle.....	149	769	593	-22.9	16,738	12,817	-23.4
Spokane.....	50	167	140	-16.2	3,049	2,253	-26.1
Tacoma.....	74	83	107	+28.9	1,231	1,869	+51.8
West Virginia: Wheeling.....	41	130	122	-6.2	2,397	2,083	-13.1
Wisconsin: All reporting localities ¹	61	1,126	939	-16.6	21,944	18,446	-15.9
Total, all localities.....	10,090	79,163	66,836	-15.6	1,908,033	1,513,092	-20.7

¹ Data supplied by cooperating State bureaus.

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

³ Includes Covington and Newport, Ky.

⁴ Each separate area includes from 2 to 8 counties.

⁵ No change.

Trend of Employment in December, 1932, by States

IN THE following table are shown the fluctuations in employment and pay-roll totals in December, as compared with November, 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 pay rolls 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 is presented. In this State compilation, the totals of the telephone and telegraph, power and light, and electric-railroad operation groups have been combined and are presented as one group—public utilities. Due to the extreme seasonal fluctuations in the canning and preserving industry, and the fact that during certain months the activity in this industry in a number of States is negligible, data for this industry are not presented separately. The number of employees and the amount of weekly pay roll in November and December 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.

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

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, BY STATES

[Figures in italics 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, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change
Alabama.....	459	48,734	+0.5	\$525,405	-0.9	202	33,638	+0.4	\$341,618	-2.0
Arkansas.....	¹ 446	14,577	-1.9	<i>204,533</i>	-5.1	181	<i>9,216</i>	-1.7	<i>114,534</i>	-5.2
Arizona.....	376	8,145	+3.1	163,770	+2.5	57	1,876	-	139,651	+4.3
California.....	² 1,912	<i>233,560</i>	+1.1	<i>5,603,839</i>	-7.7	<i>1,115</i>	<i>112,297</i>	-5.9	<i>2,339,668</i>	-4.1
Colorado.....	741	31,445	-6	596,879	-6.8	121	12,490	-7.7	196,181	-23.2
Connecticut.....	1,042	132,351	-1.9	2,363,169	-2.6	641	112,701	-2.5	1,874,762	-3.4
Delaware.....	125	8,947	+3.0	185,680	+4.9	52	6,726	+4.9	136,698	+7.0
District of Columbia.....	³ 629	33,196	+7.1	781,325	+3.1	49	3,483	-1.1	117,738	-1.1
Florida.....	521	22,869	+3.0	372,721	-8	125	13,557	-5.6	191,348	-8.4
Georgia.....	632	69,181	-2.3	834,600	-2.2	303	56,658	-7	577,619	-2.4
Idaho.....	201	9,066	-4.9	152,349	-14.2	43	5,334	-8.4	80,754	-19.6
Illinois.....	³ 1,402	<i>255,238</i>	-2.2	<i>5,168,670</i>	-1.2	<i>977</i>	<i>153,889</i>	-3.3	<i>2,641,294</i>	-2.1
Indiana.....	1,171	110,666	-1.2	1,992,563	+9	571	81,279	-2.0	1,431,590	+6
Iowa.....	1,133	41,875	+1.8	797,416	+1.8	436	22,758	+5	421,149	+5.4
Kansas.....	⁴ 1,078	<i>65,508</i>	-1.1	<i>1,434,255</i>	-2.9	<i>448</i>	<i>24,269</i>	-4	<i>504,852</i>	-4
Kentucky.....	788	54,757	-4.9	816,786	-9.6	204	18,843	-9.0	284,591	-13.0
Louisiana.....	486	28,994	-3.3	415,401	-3.8	210	17,605	-4.0	222,355	-7.9
Maine.....	548	37,476	-3.6	599,150	-1.7	189	31,230	-1.5	465,301	-6
Maryland.....	⁵ 817	<i>32,677</i>	+3.5	<i>1,506,341</i>	+2.6	<i>450</i>	<i>48,852</i>	⁶ -5	<i>821,363</i>	⁶ -1.3
Massachusetts.....	⁷ 7,708	<i>329,983</i>	-1.3	<i>6,808,879</i>	-1.2	<i>1,101</i>	<i>152,032</i>	-3.8	<i>2,586,127</i>	-3.8
Michigan.....	1,384	223,264	+5.9	4,697,993	+6.2	383	<i>168,695</i>	+8.1	<i>3,340,372</i>	+3.2
Minnesota.....	988	59,963	-2.4	1,226,755	-4.0	279	29,762	-4.6	582,503	-6.5
Mississippi.....	378	8,130	-1.2	101,370	-6.2	63	4,473	-9	47,470	-8.7
Missouri.....	1,118	101,851	+1.3	2,029,572	+1.6	518	56,827	+1.4	1,004,988	+2.6
Montana.....	320	8,805	-2	209,498	-7	48	3,122	-5.0	59,792	-5.4
Nebraska.....	601	21,730	-5.4	440,520	-8.2	128	11,200	-9.5	213,686	-14.5
Nevada.....	122	1,202	-2	30,511	-5.6	22	227	-7.3	5,920	-11.2
New Hampshire.....	446	32,956	+5	512,260	+9	185	29,298	+6	425,203	+7
New Jersey.....	1,422	176,417	+9	3,812,479	+1.2	⁸ 702	<i>169,373</i>	-4	<i>3,306,044</i>	-1
New Mexico.....	179	4,690	-4	81,111	+8	24	3,322	-19.4	5,586	-11.5
New York.....	4,306	484,242	+6	11,100,922	-3	⁹ 1,671	<i>299,895</i>	-3.1	<i>6,484,728</i>	-3.6
North Carolina.....	874	107,903	-2.2	1,187,587	-5.1	533	103,143	-2.4	1,116,810	-5.4
North Dakota.....	306	3,536	-6.3	80,712	-1.4	57	1,027	-3.1	24,910	-3.6
Ohio.....	4,716	351,645	+1.2	6,283,857	-2	1,919	250,717	-4	4,301,777	-1.5
Oklahoma.....	686	26,067	-3	520,481	-2.8	120	8,606	-1.0	162,502	-2.5
Oregon.....	693	24,994	-8.4	462,064	-8.8	155	14,041	-3.0	217,717	-11.0
Pennsylvania.....	4,072	580,985	-1.3	10,362,642	+2	<i>1,743</i>	<i>317,597</i>	-2.8	<i>4,651,669</i>	-4.0
Rhode Island.....	894	54,113	-1.5	962,432	+2.6	268	42,573	-2.6	704,798	+3.7
South Carolina.....	321	49,548	+1.5	475,418	+6	177	45,789	+1.4	422,008	+5
South Dakota.....	229	5,555	+3	131,836	+5.4	49	2,271	+1.6	44,302	+23.0
Tennessee.....	715	59,707	-6	798,852	-2.9	268	43,439	-1.9	550,510	-4.5
Texas.....	<i>721</i>	<i>53,338</i>	+4	<i>1,180,996</i>	-9	<i>366</i>	<i>29,439</i>	-2	<i>574,619</i>	-1.3
Utah.....	332	14,349	+1.2	275,215	-7	83	5,848	+1.4	104,701	+3.0
Vermont.....	346	9,067	-1.0	166,094	-3.2	116	4,871	+1	85,308	-3.5
Virginia.....	1,275	81,374	-1	1,272,191	-9	442	56,444	-4	852,006	-2.1
Washington.....	1,176	48,686	-2.4	975,908	-3.7	252	22,485	-2.0	416,894	-4.4
West Virginia.....	745	79,660	-8	1,268,113	-2.0	184	31,233	-1.5	536,967	-2.4
Wisconsin.....	¹⁰ 1,087	<i>120,984</i>	-1.2	<i>1,939,691</i>	-6.5	<i>806</i>	<i>91,384</i>	⁶ -1.5	<i>1,361,254</i>	⁶ -6.7
Wyoming.....	181	6,067	-3.6	142,773	-6.7	25	1,515	-12.2	37,722	-11.4

¹ Includes automobile dealers and garages, and sand, gravel, and building construction.² Includes banks, insurance, and office employment.³ Includes building and contracting.⁴ Less than one-tenth of 1 per cent.⁵ Includes transportation, financial institutions, restaurants, and building construction.⁶ Weighted per cent of change.⁷ Includes construction, municipal, agricultural, and office employment, amusement and recreation, professional and transportation services.⁸ Includes laundries.⁹ Includes laundering and cleaning.¹⁰ Includes construction, but does not include hotels and restaurants.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN NOVEMBER AND DECEMBER, 1932, BY STATES—Continued[Figures in italics are not compiled by the Bureau of Labor Statistics, but are taken from reports issued
by cooperating State organizations]

State	Wholesale trade					Retail trade				
	Number of estab- lish- ments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change	Number of estab- lish- ments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change
Alabama.....	16	851	-0.4	\$22,038	-3.5	31	2,511	+7.2	\$33,192	+1.2
Arkansas.....	17	434	-1.1	11,988	-1.6	158	1,862	-3	31,802	— ^(*)
Arizona.....	22	193	(¹¹)	5,170	(¹¹)	191	1,775	+16.0	26,669	+3.9
California.....	80	4,793	-2	141,669	+2	114	32,732	+29.8	602,039	+18.2
Colorado.....	30	826	-1.0	22,587	-2.5	273	4,853	+20.0	94,387	+7.4
Connecticut.....	56	1,233	+5	34,678	-1.9	126	5,775	+10.4	107,138	+5.2
Delaware.....	9	168	+1.2	4,673	-1.1	11	253	+39.0	3,208	+24.6
District of Co- lumbia.....	31	412	-1.7	13,058	-2.2	400	13,282	+21.0	259,396	+11.2
Florida.....	51	836	+1.5	19,684	+4	82	1,133	+21.4	21,844	+16.8
Georgia.....	33	410	-5	11,241	+3	32	2,315	+10.7	35,150	+5.8
Idaho.....	7	108	-3.6	3,050	-2.8	69	763	+9.0	13,230	+8
Illinois.....	13	806	(¹¹)	19,806	-7.5	66	18,539	+9.0	422,578	+5.6
Indiana.....	62	1,162	-9	30,141	-2.2	163	7,150	+22.2	117,891	+14.1
Iowa.....	37	1,024	-3.5	26,601	-2.6	127	3,660	+5.8	57,974	-5
Kansas.....	67	1,824	-6.7	42,996	-8.5	335	6,897	+9.9	114,853	+2.1
Kentucky.....	19	379	-5.2	7,280	-3.0	29	1,514	+2.3	23,547	+1.7
Louisiana.....	22	602	+7	12,987	+8	54	3,796	+8.9	54,948	+11.3
Maine.....	17	412	+2	9,818	+1.2	70	1,285	+12.9	22,092	+9.7
Maryland.....	33	740	-5	16,077	-6	35	7,180	+28.6	116,002	+27.6
Massachusetts.....	654	13,466	-2.8	367,374	-2.3	3,923	62,999	+9.4	1,253,936	+6.3
Michigan.....	61	1,598	-7	45,903	-2.0	178	13,717	+26.4	241,364	+18.8
Minnesota.....	63	4,189	-1.2	110,939	-2.9	282	8,156	+6.9	138,345	+5
Mississippi.....	5	117	+9	2,379	-1	58	536	+11.0	5,716	+4.5
Missouri.....	55	4,613	-6	116,103	-1.8	136	7,310	+20.6	136,097	+10.4
Montana.....	11	194	+5	5,660	+4	87	983	+11.3	19,201	+5
Nebraska.....	34	876	-6	24,434	-2.1	86	1,675	+12.8	29,405	+6.8
Nevada.....	7	78	-16.1	2,992	-10.1	29	222	(¹¹)	5,511	-2.9
New Hampshire.....	17	200	+2.6	5,101	-1.0	58	731	+18.1	11,004	+9.6
New Jersey.....	26	527	+1.7	16,308	-1	409	10,059	+27.9	204,039	+19.3
New Mexico.....	6	70	-5.4	2,723	+9.8	50	296	+12.1	5,737	+1.4
New York.....	322	7,793	+6	240,682	+8	1,199	68,912	+20.5	1,447,695	+12.6
North Carolina.....	18	238	-3.6	5,962	-1.5	174	629	-6	10,860	-3.4
North Dakota.....	13	203	-1.5	5,970	+9	38	490	+13.2	7,138	+5.2
Ohio.....	230	4,888	-4	128,548	-3	1,595	36,729	+18.5	649,918	+12.1
Oklahoma.....	52	892	-1.4	23,075	-2.1	104	1,997	+7.7	32,587	+3
Oregon.....	50	1,165	-1.9	31,662	-3.3	223	2,239	+3.9	42,996	+5.3
Pennsylvania.....	135	3,633	-1	98,992	-7	311	30,337	+14.4	573,334	+11.6
Rhode Island.....	43	1,072	+3.4	26,344	+2.5	506	5,471	+10.1	108,108	+5.0
South Carolina.....	16	244	+1.2	5,169	-4	15	589	+17.3	4,964	+13.4
South Dakota.....	10	122	-3.9	3,592	-1.6	15	189	-5.0	2,509	+1
Tennessee.....	36	642	(¹¹)	13,842	-1.6	56	4,103	+14.2	63,957	+12.1
Texas.....	98	2,070	+3.6	54,625	+7.0	62	5,202	+7.5	94,524	+2.0
Utah.....	15	467	-6	11,299	+1	86	751	+6.8	14,484	+3.5
Vermont.....	5	109	-1.8	2,877	-1.2	38	532	+20.9	8,091	+16.6
Virginia.....	49	1,054	+2	25,207	-2.4	477	5,614	+17.0	96,674	+12.5
Washington.....	96	2,199	-1.3	59,185	-1.7	473	7,888	+21.3	139,711	+9.7
West Virginia.....	33	582	+9	15,097	-2.1	50	1,213	+23.8	17,522	+7.6
Wisconsin.....	46	1,968	-1.8	47,210	-7	67	10,663	+19.1	148,492	+12.1
Wyoming.....	8	54	-1.8	1,702	-1.6	49	257	+1.6	6,633	+1.8

* Less than one-tenth of 1 per cent.

¹¹ No change.

**COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS
IN NOVEMBER AND DECEMBER, 1932, BY STATES—Continued**

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

State	Quarrying and nonmetallic mining					Metalliferous mining				
	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change
Alabama.....	9	523	-2.1	\$5,209	-10.2	9	1,004	+2.2	\$10,853	-1.9
Arkansas.....	9	497	+4.4	3,714	-26.1					
Arizona.....						16	2,318	+7	49,831	+4.0
California.....	33	1,095	-7.7	20,477	-8.8	25	1,409	-2.6	38,966	-7
Colorado.....	3	5	-54.5	48	-71.4	14	665	+8	16,049	+4.2
Connecticut.....	9	103	-35.2	1,729	-34.4					
Delaware.....										
District of Columbia.....										
Florida.....	8	482	+4.3	5,818	+2.3					
Georgia.....	15	837	-1.8	9,821	+6					
Idaho.....						11	1,956	-8	37,881	-11.8
Illinois.....	27	357	-41.1	5,934	-43.3					
Indiana.....	34	538	-25.5	6,340	-28.6					
Iowa.....	18	250	-28.8	3,025	-48.7					
Kansas.....	17	744	-7	17,088	-8	13	574	-4	11,340	-3
Kentucky.....	26	815	-27.2	6,321	-18.2					
Louisiana.....	4	487	-8.1	4,692	-22.7					
Maine.....	8	109	-66.6	2,425	-65.7					
Maryland.....	12	214	+2.9	2,911	+19.7					
Massachusetts.....										
Michigan.....	23	471	-53.6	6,349	-57.3	37	4,450	+30.3	47,446	+25.7
Minnesota.....	7	79	-26.2	1,013	-38.4	33	1,117	-11.4	12,843	-25.9
Mississippi.....	4	65	-7.1	618	-22.7					
Missouri.....	13	185	-28.0	2,688	-15.7	13	1,027	+1	19,841	+4
Montana.....	4	14	(¹¹)	235	+76.7	15	1,291	+8.6	36,762	+9.4
Nebraska.....										
Nevada.....						12	97	+5.4	2,449	-20.0
New Hampshire.....	12	171	+8.9	4,195	+9.8					
New Jersey.....	3	41	+105.0	1,313	+193.1					
New Mexico.....						5	829	-2	15,858	+11.2
New York.....	43	1,463	-15.1	26,147	-17.3					
North Carolina.....	9	140	-22.7	1,007	-32.9					
North Dakota.....										
Ohio.....	66	1,624	-18.1	23,533	-29.5					
Oklahoma.....	4	59	-1.7	687	-9.0	30	1,275	-8.6	18,035	-12.5
Oregon.....						6	56	-5.1	946	-7.9
Pennsylvania.....	59	2,329	-8.0	22,057	-10.4					
Rhode Island.....										
South Carolina.....	5	56	-9.7	268	-28.5					
South Dakota.....	3	14	-39.1	201	-40.4					
Tennessee.....	19	1,043	+2.5	13,099	-1.7	4	204	+2.5	2,669	-1.7
Texas.....	11	501	-6.8	6,407	-5.1					
Utah.....						1	2,036	+1.4	38,237	-2.6
Vermont.....	36	1,953	-2.5	38,597	-5.1					
Virginia.....	15	846	-4.5	7,281	-16.1					
Washington.....	8	157	-19.1	2,802	-49.4					
West Virginia.....	8	320	+4.9	3,538	+8.8					
Wisconsin.....	13	88	-6.4	665	-10.5					
Wyoming.....										

¹¹ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, BY STATES—Continued

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

State	Bituminous coal mining					Crude petroleum producing				
	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change
Alabama	37	6,622	+0.1	\$58,926	+8.9					
Arkansas	5	298	-55.2	5,538	-16.4	8	405	+7.4	\$9,545	-2.0
Arizona										
California						40	4,292	+1.3	130,615	-1.0
Colorado	40	4,925	+3.2	93,726	+13.6					
Connecticut										
Delaware										
District of Columbia										
Florida										
Georgia										
Idaho										
Illinois	28	5,409	+11.3	122,434	+20.8					
Indiana	43	5,438	+2.8	113,264	+7.1	5	32	(¹¹)	609	+1.7
Iowa	19	2,194	+2.4	47,277	+1					
Kansas	24	1,735	+1	24,714	+6	35	1,604	(¹¹)	36,631	-4.8
Kentucky	136	23,341	-1.8	296,485	-11.9	6	205	+1.0	3,885	+
Louisiana						8	164	+4.5	4,517	+13.7
Maine										
Maryland	14	1,454	-2	14,420	+53.8					
Massachusetts										
Michigan	3	839	-2.1	21,026	+17.3					
Minnesota										
Mississippi										
Missouri	18	1,388	+3.4	27,233	+9.1					
Montana	10	855	-1.3	25,848	+3.0	4	28	+12.0	726	+3.7
Nebraska										
Nevada										
New Hampshire										
New Jersey										
New Mexico	14	2,024	+1.1	31,432	-8	5	51	+15.9	1,530	+8.9
New York						6	190	-2.1	4,649	-5.0
North Carolina										
North Dakota										
Ohio	61	9,377	+11.9	136,452	+12.5	6	44	+10.0	664	+3.6
Oklahoma	13	706	+9.0	12,620	-5.6	63	4,537	+1.0	111,314	-5.0
Oregon										
Pennsylvania	367	51,340	+	623,563	-6.0	21	512	-2.1	12,076	-2.5
Rhode Island										
South Carolina										
South Dakota										
Tennessee	15	2,529	+3	25,627	-1.7					
Texas						3	7,109	+1.2	243,371	+1
Utah	15	2,043	+7.2	48,751	-2.6					
Vermont										
Virginia	36	8,844	+1.6	119,945	+3.2					
Washington	10	1,369	+1.6	33,713	+4.3					
West Virginia	257	38,316	-9	517,107	-2.3	8	336	+4.0	7,826	+1.0
Wisconsin										
Wyoming	30	3,476	-6	79,729	-6.7	6	61	-16.4	2,311	-3.4

* Less than one-tenth of 1 per cent.

¹¹ No change.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN IDENTICAL ESTABLISHMENTS IN NOVEMBER AND DECEMBER, 1932, BY STATES—Continued

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

State	Public utilities					Hotels				
	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change	Number of establishments	Number on pay roll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change
Alabama.....	123	1,911	-0.1	\$38,792	-2.7	24	1,130	-4.3	\$9,645	-4.2
Arkansas.....	49	1,078	-17.7	26,571	-10.4	16	727	-4.6	7,450	-4.4
Arizona.....	66	1,205	-1.6	31,056	-1.8	12	353	+7.3	5,176	+5.7
California.....	51	47,084	-3.3	1,267,688	-3.8	199	9,098	+1.4	143,613	-3.8
Colorado.....	195	5,322	-1.0	138,333	+8	29	1,149	-7	16,187	-4.7
Connecticut.....	143	9,858	-2	304,295	+4	30	1,132	-2.2	14,752	-3.4
Delaware.....	28	1,091	-2.8	31,734	-2	7	255	+4	2,986	-1.6
District of Columbia.....	22	8,289	+3	239,016	-2	54	3,665	-1.8	56,952	+5
Florida.....	185	4,176	-1.4	109,577	+8	38	906	+28.3	9,773	+28.7
Georgia.....	186	6,741	-4	181,577	-1.1	34	1,345	+6.6	11,103	+4.6
Idaho.....	56	664	-1.0	13,824	-2.9	14	211	-3.2	3,069	+1.0
Illinois.....	68	66,436	-7	1,794,905	-3	12 44	6,138	-2.3	96,396	-2.5
Indiana.....	148	9,646	-1.0	229,688	-9	56	2,495	-4.0	27,296	-5.9
Iowa.....	427	9,535	-1.1	214,282	-1.5	49	1,922	-5.5	19,063	-5.3
Kansas.....	27	6,996	+8	157,876	-1.5	37	869	-2.4	8,773	-10.1
Kentucky.....	304	6,801	-2.8	162,030	-1.1	36	1,582	-1.6	16,679	-1.6
Louisiana.....	153	4,287	+2.0	94,658	-1.1	22	1,844	+1.8	19,598	+2.2
Maine.....	169	2,830	-6	77,881	-4	20	670	-12.6	8,890	-15.0
Maryland.....	84	12,334	-4	551,477	-3	26	1,459	-1	19,051	-4
Massachusetts.....	13 139	45,677	+2	1,314,401	+2.0	84	3,588	-1.4	54,833	-1.8
Michigan.....	405	21,973	+1	655,079	+1.0	63	3,899	+3	50,669	+2.1
Minnesota.....	233	12,582	-2.0	325,596	-1	55	2,785	-1.4	36,059	-2.9
Mississippi.....	213	1,915	-3.8	36,685	-4.6	20	507	-1.2	4,123	-4.7
Missouri.....	238	23,521	-1.6	629,472	-6	72	4,100	-3.4	50,556	-1.9
Montana.....	110	1,788	-2.1	52,103	-3.8	15	222	+5	3,330	-4
Nebraska.....	304	5,778	-3	147,216	-1.3	33	1,528	-3.5	16,864	-6.2
Nevada.....	38	399	+8.7	10,389	+2.2	10	129	-2.3	2,240	-7.3
New Hampshire.....	142	2,038	-5.6	59,616	+1.0	14	234	-8.6	2,910	-5.6
New Jersey.....	280	22,490	-6	668,335	+4	72	3,944	-1.4	51,706	-1.7
New Mexico.....	55	549	+1.1	11,574	-2.7	13	290	-3	3,105	-8
New York.....	910	104,442	-5	3,248,159	+2	279	31,178	-1.3	501,384	-1.3
North Carolina.....	91	1,711	-5	33,673	+3	35	1,309	+9.7	11,835	+7.6
North Dakota.....	171	1,296	-16.2	35,776	-1.3	17	312	-2.2	3,429	-3.6
Ohio.....	493	32,674	-1.3	832,658	-1.9	161	8,475	-1.6	108,413	-2.7
Oklahoma.....	254	6,516	-1.3	143,816	-7	34	734	-3	6,839	-8
Oregon.....	186	5,718	-2	144,400	-1.6	38	1,007	-3.1	13,776	-2.6
Pennsylvania.....	708	59,540	-6	1,636,348	+1.0	182	9,626	-2.1	124,739	-1.6
Rhode Island.....	35	3,301	-4.3	95,806	-6.1	17	341	-4.7	4,560	-8.0
South Carolina.....	71	1,635	+1.7	33,762	+1.2	20	485	+3.6	3,628	+14.3
South Dakota.....	129	963	-1	25,906	+1.4	14	295	-7	3,501	-3.1
Tennessee.....	256	4,690	-7	101,428	-3.0	39	2,039	+3	18,588	+4
Texas.....	134	6,478	-2.9	176,702	-3.0	47	2,711	+1	31,850	-2.4
Utah.....	69	1,708	-3.3	36,825	-3.3	10	457	-3.4	5,648	-13.2
Vermont.....	120	1,043	-3.0	25,238	-1.2	24	473	-17.0	5,000	-16.2
Virginia.....	178	5,718	-3	138,394	-7	37	1,707	-13.1	19,220	-9.4
Washington.....	206	9,747	+1	262,098	+1	56	1,846	-2.8	22,000	-4.0
West Virginia.....	131	5,656	-1.4	146,089	-7	42	1,114	-7	12,419	-2.7
Wisconsin.....	14 42	10,739	-3.1	292,908	-4.0	13 39	1,071	-2.4	(14)	-----
Wyoming.....	44	406	+3.6	9,774	+2.4	12	178	+1.1	2,572	+1.0

¹² Includes restaurants.¹³ Includes steam railroads.¹⁴ Includes railways and express.¹⁵ Data not supplied.

COMPARISON OF EMPLOYMENT AND PAY ROLLS IN **IDENTICAL** ESTABLISHMENTS
IN NOVEMBER AND DECEMBER, 1932, BY STATES—Continued

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

State	Laundries					Dyeing and cleaning				
	Number of establishments	Number on payroll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change	Number of establishments	Number on payroll, December, 1932	Per cent of change	Amount of pay roll (1 week), December, 1932	Per cent of change
Alabama.....	4	390	+1.6	\$3,685	+7.6					
Arkansas.....	19	473	-1.9	4,438	-7.7	3	36	+16.1	\$409	+10.2
Arizona.....	9	397	+3	5,743	+3					
California.....	16 65	5,306	-1	94,756	-1.0					
Colorado.....	11	834	-1	11,769	-9	9	113	-3.4	1,939	-8.5
Connecticut.....	27	1,310	-1.4	21,243	-4.2	9	227	-1.3	4,332	-13.0
Delaware.....	4	305	(¹¹)	4,487	-5	3	41	-2.4	649	-5.3
District of Columbia.....	21	2,522	-1.6	39,599	-1.7	6	109	-6.0	2,114	-6.1
Florida.....	11	497	+3.5	5,067	+10.7					
Georgia.....	12	629	-1.1	5,745	-4.1	4	116	-2.5	1,225	-9.9
Idaho.....	16 22	1,449	-1.5	21,574	-8					
Illinois.....	18	1,440	+1.3	18,312	-3	10	163	-3.6	2,413	-6.4
Iowa.....	3	212	+5	2,989	-5.3					
Kansas.....	16 40	1,214	-2.1	12,801	-2.1					
Kentucky.....	15	674	+6	8,517	-(⁴)	5	217	-9	3,154	+3
Louisiana.....										
Maine.....	16	342	-2.6	4,642	-5.9					
Maryland.....	25	1,839	-1.5	27,796	-3.1	9	404	-4.0	4,944	-10.4
Massachusetts.....	103	5,452	-5	56,552	-1.2	121	1,626	-11.2	26,734	-12.3
Michigan.....	23	1,586	+1.6	20,343	+2.4	14	538	+3.5	8,628	+2.1
Minnesota.....	12	684	-1.3	10,922	-2.0	10	276	-3.2	4,312	-13.6
Mississippi.....	6	322	-4.2	2,803	-3.6					
Missouri.....	34	2,235	+3	31,827	+3	9	320	(¹¹)	5,171	-4.9
Montana.....	11	275	-2.5	5,108	-1.7	3	21	-4.5	413	-4.2
Nebraska.....	7	494	+11.0	6,823	+6.5	3	26	-10.3	435	-16.8
Nevada.....	4	50	-5.7	1,010	-1.4					
New Hampshire.....	16	262	-2.6	3,942	-3.8					
New Jersey.....	25	2,926	-1.7	58,002	+5.8	7	232	-11.5	5,663	-15.5
New Mexico.....	6	243	+8	3,456	-1.5					
New York.....	70	6,805	-1.2	116,311	-1.2	18	534	-4.1	10,308	-5.5
North Carolina.....	11	675	-4	6,951	+2					
North Dakota.....	8	185	-1.6	3,087	-3.1					
Ohio.....	77	4,148	+9	61,860	+2	39	1,431	-3.8	21,516	-8.2
Oklahoma.....	8	585	-1.0	7,051	+9	3	146	-1.4	1,804	-3.5
Oregon.....	4	311	-6	4,650	-4.9	3	35	-7.9	666	-12.8
Pennsylvania.....	44	3,256	-3	48,475	-2.5	24	1,086	-5.7	17,391	-9.2
Rhode Island.....	18	1,075	-1.1	17,837	-1.7	5	259	+1.2	4,660	+2.8
South Carolina.....	8	321	-2.1	3,024	-5.3					
South Dakota.....	7	132	-4.3	1,733	-5.8					
Tennessee.....	12	888	-3	7,315	-2.2					
Texas.....	19	833	+1	9,187	-2.5	12	296	-4.2	4,445	-6.4
Utah.....	7	516	+1.6	7,305	+3.0	8	130	+8	2,167	-2.7
Vermont.....	4	55	-8.3	621	-18.3					
Virginia.....	13	824	+4	8,977	-2.5	16	189	-1.0	2,591	-2.8
Washington.....	15	707	-7	13,263	-1.6	13	181	-5.2	2,818	-13.2
West Virginia.....	22	702	-3.4	9,050	-1.9	9	188	-5.5	2,498	-3.2
Wisconsin.....	16 28	967	-7	12,804	-7.3					
Wyoming.....	3	71	+1.4	1,274	+6.9					

⁴ Less than one-tenth of 1 per cent.

¹¹ No change.

¹⁶ Includes dyeing and cleaning.

Employment and Pay Rolls in December, 1932, in Cities of Over 500,000 Population

IN THE following table are presented the fluctuations in employment and pay-roll totals in December, 1932, as compared with November, 1932, in 13 cities of the United States having a population of 500,000 or over. These changes are computed from reports received from identical establishments in each of the months considered.

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

FLUCTUATIONS IN EMPLOYMENT AND PAY ROLLS IN DECEMBER, 1932, AS COMPARED WITH NOVEMBER, 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
		November, 1932	December, 1932		November, 1932	December, 1932	
New York City.....	2,656	307,207	312,581	+1.7	\$8,296,966	\$8,322,512	+0.3
Chicago, Ill.....	1,837	192,866	189,178	-1.9	4,430,227	4,390,869	-.9
Philadelphia, Pa.....	843	131,118	128,091	-2.3	2,886,915	2,824,853	-2.1
Detroit, Mich.....	671	143,040	150,610	+5.3	2,974,430	3,168,256	+6.5
Los Angeles, Calif.....	726	62,553	65,298	+4.4	1,449,035	1,478,826	+2.1
Cleveland, Ohio.....	1,068	83,290	87,275	+4.8	1,754,794	1,773,515	+1.1
St. Louis, Mo.....	480	62,437	63,474	+1.7	1,275,786	1,300,286	+1.9
Baltimore, Md.....	566	46,198	47,482	+2.8	888,293	917,695	+3.3
Boston, Mass.....	2,936	85,511	86,260	+ .9	2,045,459	2,051,718	+ .3
Pittsburgh, Pa.....	411	48,042	49,826	+3.7	927,378	945,571	+2.0
San Francisco, Calif.....	1,125	44,263	43,920	-.8	1,068,874	1,058,925	-.9
Buffalo, N. Y.....	323	37,511	35,919	-4.2	830,167	787,900	-5.1
Milwaukee, Wis.....	456	35,370	36,106	+2.1	709,009	697,624	-1.6

Employment on Class I Steam Railroads in the United States

DATA are not yet available concerning railroad employment for December, 1932. Reports of the Interstate Commerce Commission for Class I railroads show that the number of employees (exclusive of executives and officials) decreased from 1,020,132 on October 15, 1932, to 1,000,119 on November 15, 1932, or -2.0 per cent; the amount of pay roll decreased from \$119,905,613 in October to \$114,581,486 in November, or -4.4 per cent.

The monthly trend of employment from January, 1923, to November, 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.—INDEXES OF EMPLOYMENT, ON CLASS I STEAM RAILROADS IN THE UNITED STATES, JANUARY, 1923, TO NOVEMBER, 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	55.0
September.....	107.8	99.7	99.9	102.8	99.1	95.3	96.8	82.2	69.3	55.8
October.....	107.3	100.8	100.7	103.4	98.9	95.3	96.9	80.4	67.7	57.0
November.....	105.2	99.0	99.1	101.2	95.7	92.9	93.0	77.0	64.6	55.9
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	1 58.1

¹ Average for 11 months.

Wage-Rate Changes in American Industries

Manufacturing Industries

IN THE following table is presented information concerning wage-rate adjustments occurring between November 15 and December 15 as shown by reports received from manufacturing establishments supplying employment data to this bureau. Of the 18,044 manufacturing establishments included in the December survey, 17,852 establishments, or 98.9 per cent of the total, reported no change in wage rates over the month interval. The 2,616,124 employees not affected by changes in wage rates constituted 99.2 per cent of the total number of employees covered by the December trend-of-employment survey of manufacturing industries.

Decreases in wage rates were reported by 185 establishments in 50 of the 89 industries surveyed. These establishments represented 1 per cent of the total number of establishments covered. The wage-rate decreases reported averaged 11.4 per cent and affected 19,576 employees, or seven-tenths of 1 per cent of all employees in the establishments reporting.

Seven establishments in six industries reported wage-rate increases in December, averaging 8.8 per cent, and affecting 580 employees.

TABLE 1.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING DECEMBER 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, 044	2, 636, 280	17, 852	7	185	2, 616, 124	580	19, 576
Per cent of total.....	100. 0	100. 0	98. 9	(¹)	1. 0	99. 2	(¹)	. 7
Food and kindred products:								
Slaughtering and meat packing.....	226	83, 999	222	—	4	83, 825	—	174
Confectionery.....	334	38, 300	333	—	1	38, 277	—	23
Ice cream.....	393	10, 408	388	—	5	10, 297	—	111
Flour.....	430	15, 960	427	—	3	15, 782	—	178
Baking.....	962	61, 703	951	—	11	61, 397	—	306
Sugar refining, cane.....	15	7, 939	13	—	2	6, 176	—	1, 763
Beet sugar.....	60	17, 693	60	—	—	17, 693	—	—
Beverages.....	322	8, 888	318	—	4	8, 862	—	26
Butter.....	289	5, 411	289	—	—	5, 411	—	—
Textiles and their products:								
Cotton goods.....	677	233, 465	667	1	9	231, 361	102	2, 002
Hosiery and knit goods.....	438	100, 488	435	—	3	100, 328	—	160
Silk goods.....	240	44, 681	238	—	2	44, 571	—	110
Woolen and worsted goods.....	252	56, 723	250	2	—	56, 488	235	—
Carpets and rugs.....	34	13, 757	34	—	—	13, 757	—	—
Dyeing and finishing textiles.....	154	34, 393	153	—	1	34, 364	—	29
Clothing, men's.....	379	57, 975	378	—	1	57, 450	—	525
Shirts and collars.....	117	16, 293	116	—	1	16, 202	—	91
Clothing, women's.....	380	23, 956	379	1	—	23, 905	51	—
Millinery.....	131	8, 011	131	—	—	8, 011	—	—
Corsets and allied garments.....	30	5, 272	30	—	—	5, 272	—	—
Cotton small wares.....	117	9, 462	117	—	—	9, 462	—	—
Hats, fur-felt.....	36	5, 270	36	—	—	5, 270	—	—
Men's furnishings.....	71	7, 501	71	—	—	7, 501	—	—
Iron and steel and their products, not including machinery:								
Iron and steel.....	209	170, 482	208	1	—	170, 370	112	—
Cast-iron pipe.....	38	5, 411	38	—	—	5, 411	—	—
Structural and ornamental ironwork.....	197	13, 492	197	—	—	13, 492	—	—
Hardware.....	105	20, 984	104	—	1	20, 353	—	631
Steam fittings and steam and hot-water heating apparatus.....	98	13, 241	96	—	2	13, 054	—	187
Stoves.....	152	14, 497	149	—	3	14, 445	—	52
Bolts, nuts, washers, and rivets.....	69	8, 310	69	—	—	8, 310	—	—
Cutlery (not including silver and plated cutlery) and edge tools.....	129	8, 681	128	—	1	8, 659	—	22
Forgings, iron and steel.....	60	4, 874	60	—	—	4, 874	—	—
Plumbers' supplies.....	69	5, 274	67	—	2	5, 113	—	161
Tin cans and other tinware.....	60	8, 165	58	—	2	8, 062	—	103
Tools (not including edge tools, machine tools, files, or saws).....	128	6, 818	127	—	1	6, 513	—	305
Wirework.....	69	4, 964	68	—	1	4, 828	—	136
Lumber and allied products:								
Lumber—								
Sawmills.....	645	58, 826	638	—	7	57, 173	—	1, 653
Millwork.....	485	17, 714	472	—	13	17, 392	—	322
Furniture.....	476	42, 649	469	1	6	42, 242	63	344
Turpentine and rosin.....	21	1, 063	20	—	1	1, 061	—	2
Leather and its manufactures:								
Leather.....	164	25, 212	161	—	3	25, 026	—	186
Boots and shoes.....	334	96, 850	332	—	2	96, 384	—	466
Paper and printing:								
Paper and pulp.....	410	78, 517	403	—	7	76, 905	—	1, 612
Paper boxes.....	314	20, 716	314	—	—	20, 716	—	—
Printing—								
Book and job.....	752	47, 683	735	—	17	46, 591	—	1, 092
Newspapers and periodicals.....	446	67, 612	436	1	9	66, 831	17	764

¹ Less than one-tenth of 1 per cent.

TABLE 1.—WAGE CHANGES IN MANUFACTURING INDUSTRIES DURING MONTH ENDING DECEMBER 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
Chemicals and allied products:								
Chemicals.....	121	20, 712	121			20, 712		
Fertilizers.....	203	6, 053	202		1	6, 042		11
Petroleum refining.....	135	52, 963	131		4	52, 154		809
Cottonseed oil, cake, and meal.....	46	2, 465	46			2, 465		
Druggists preparations.....	41	7, 486	41			7, 486		
Explosives.....	26	3, 297	26			3, 297		
Paints and varnishes.....	354	14, 454	347		7	13, 790		664
Rayon.....	23	28, 731	23			28, 731		
Soap.....	87	12, 562	85		2	12, 509		53
Stone, clay, and glass products:								
Cement.....	119	11, 222	119			11, 222		
Brick, tile, and terra cotta.....	678	16, 009	676		2	15, 750		259
Pottery.....	121	14, 628	120		1	14, 558		70
Glass.....	189	33, 938	187		2	33, 083		255
Marble, granite, slate, and other stone products.....	214	5, 003	212		2	4, 901		102
Nonferrous metals and their products:								
Stamped and enameled ware.....	88	12, 646	88			12, 646		
Brass, bronze, and copper products.....	204	27, 450	201		3	27, 351		99
Aluminum manufactures.....	26	4, 877	26			4, 877		
Clocks, time recording devices, and clock movements.....	24	5, 264	23		1	5, 237		27
Gas and electric fixtures, lamps, lanterns, and reflectors.....	53	4, 790	52		1	4, 746		44
Plated ware.....	54	7, 752	54			7, 752		
Smelting and refining—copper, lead, and zinc.....	28	8, 152	28			8, 152		
Jewelry.....	148	8, 045	148			8, 045		
Tobacco manufactures:								
Chewing and smoking tobacco and snuff.....	34	10, 027	34			10, 027		
Cigars and cigarettes.....	208	44, 440	206		2	43, 857		583
Transportation equipment:								
Automobiles.....	223	173, 331	221		2	172, 838		493
Aircraft.....	30	5, 768	30			5, 768		
Cars, electric and steam railroad.....	39	5, 473	39			5, 473		
Locomotives.....	11	2, 107	11			2, 107		
Shipbuilding.....	90	25, 226	90			25, 226		
Rubber products:								
Rubber tires and inner tubes.....	45	42, 627	45			42, 627		
Rubber boots and shoes.....	9	11, 245	9			11, 245		
Rubber goods, other than boots, shoes, tires, and inner tubes.....	103	19, 320	103			19, 320		
Machinery, not including transportation equipment:								
Agricultural implements.....	73	6, 353	72		1	6, 232		121
Electrical machinery, apparatus, and supplies.....	290	103, 075	289		1	103, 026		49
Engines, turbines, tractors, and water wheels.....	88	14, 942	88			14, 942		
Cash registers, adding machines, and calculating machines.....	44	13, 204	44			13, 204		
Foundry and machine-shop products.....	1, 075	98, 030	1, 057		18	95, 902		2, 128
Machine tools.....	147	10, 867	144		3	10, 823		44
Textile machinery and parts.....	44	6, 593	44			6, 593		
Typewriters and supplies.....	18	8, 018	17		1	8, 008		10
Radio.....	39	18, 172	38		1	18, 095		77
Railroad repair shops:								
Electric-railroad repair shops.....	387	20, 620	382		5	20, 478		142
Steam-railroad repair shops.....	548	78, 760	548			78, 760		

Nonmanufacturing Industries

DATA concerning wage-rate changes occurring between November 15 and December 15 in 14 groups of nonmanufacturing industries are presented in the following table.

No changes in wage rates were reported in the anthracite mining and the telephone and telegraph groups. In the remaining 12 groups, one or more establishments reported decreases in wage rates over the month interval. The average per cent of decrease in rates in each of the several groups follows: Electric-railroad and motor-bus operation and maintenance, 8.4 per cent; power and light and crude petroleum producing, 10 per cent each; dyeing and cleaning, 10.2 per cent; hotels, 10.3 per cent; laundries, 10.6 per cent; metalliferous mining, 11 per cent; quarrying and nonmetallic mining, 11.1 per cent; wholesale trade, 11.2 per cent; retail trade, 13.8 per cent; bituminous mining, 14.5 per cent; and canning and preserving, 16.4 per cent. No increases in wage rates from November to December were reported by establishments in these 14 industrial groups.

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

Industrial group	Estab- lish- ments report- ing	Total num- ber of em- ployees	Number of establishments reporting—		Number of employees having—	
			No wage changes	Wage de- creases	No wage changes	Wage de- creases
Anthracite mining	160	85,284	160	-----	85,284	-----
Per cent of total	100.0	100.0	100.0	-----	100.0	-----
Bituminous coal mining	1,202	175,050	1,181	21	171,755	3,295
Per cent of total	100.0	100.0	98.3	1.7	98.1	1.9
Metalliferous mining	275	21,838	274	1	21,805	33
Per cent of total	100.0	100.0	99.6	.4	99.8	.2
Quarrying and nonmetallic mining	631	19,411	610	21	18,544	867
Per cent of total	100.0	100.0	96.7	3.3	95.5	4.5
Crude petroleum producing	276	22,019	275	1	21,593	426
Per cent of total	100.0	100.0	99.6	.4	98.1	1.9
Telephone and telegraph	8,302	269,598	8,302	-----	269,598	-----
Per cent of total	100.0	100.0	100.0	-----	100.0	-----
Power and light	3,523	209,993	3,503	20	206,744	3,249
Per cent of total	100.0	100.0	99.4	.6	98.5	1.5
Electric-railroad and motor-bus operation and main- tenance	503	133,006	491	12	131,997	1,009
Per cent of total	100.0	100.0	97.6	2.4	99.2	.8
Wholesale trade	2,822	73,076	2,784	38	72,590	486
Per cent of total	100.0	100.0	98.7	1.3	99.3	.7
Retail trade	14,730	409,639	14,698	32	408,679	960
Per cent of total	100.0	100.0	99.8	.2	99.8	.2
Hotels	2,410	130,902	2,382	28	128,588	2,314
Per cent of total	100.0	100.0	98.8	1.2	98.2	1.8
Canning and preserving	902	30,121	897	5	29,983	138
Per cent of total	100.0	100.0	99.4	.6	99.5	.5
Laundries	965	57,407	955	10	56,849	558
Per cent of total	100.0	100.0	99.0	1.0	99.0	1.0
Dyeing and cleaning	337	10,270	332	5	10,149	121
Per cent of total	100.0	100.0	98.5	1.5	98.8	1.2