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EMPLOYMENT AND PAY ROLLS

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Employment and Pay Rolls

SUMMARY OF REPORTS FOR OCTOBER 1937

EMPLOYMENT in manufacturing and in the 16 nonmanufacturing industries surveyed monthly by the Bureau of Labor Statistics was lower by 78,000 in October than in September, but weekly pay rolls were larger by \$3,700,000. The gain in pay rolls was partially due to the fact that they had been reduced in September because of shut-downs for Labor Day and other holidays. More than 40 percent of the pay-roll increase was in the anthracite and bituminous-coal mining industries.

The employment level for these industries in October 1937 was 637,000 higher than in the same month of 1936, while the weekly pay-roll level was \$42,800,000 higher.

Employment on class I railroads fell over the month interval according to a preliminary tabulation by the Interstate Commerce Commission. The October tabulation showed 1,103,576 employees, exclusive of executives, officials, and staff assistants, a decrease of 17,084 since September.

Employment in the judicial and legislative services of the Federal Government was greater in October than in September. There were small decreases in employment, on the other hand, in the executive and military services. Employment reports on construction programs financed in whole or in part from Federal funds showed increases on projects financed from regular Federal appropriations and by the Reconstruction Finance Corporation; there were fewer employees on construction projects financed by the Public Works Administration and Federal projects under The Works Program. The number of workers employed on projects operated by the Works Progress Administration and on work projects under the National Youth Administration decreased. A marked increase in employment on Student Aid resulted from the beginning of a new school year. Employment in the Civilian Conservation Corps increased, due to the beginning of a new enlistment period.

Industrial and Business Employment

Employment gains from September to October in coal mining and wholesale and retail trade, coupled with an employment increase in year-round hotels, were not of sufficient size to offset the declines in the manufacturing industries and the remaining 11 nonmanufacturing industries surveyed.

The manufacturing industries reduced the number of wage earners on their pay rolls by 1.6 percent or 137,000. Weekly wage disbursements increased less than 0.1 percent or \$100,000 largely because of more nearly normal operations in October following shut-downs in September for Labor Day and other holidays. During the 18-year period, 1919 to 1936, inclusive, for which data are available, gains in factory employment have been shown in October in 9 years and for factory pay rolls in 11 years.

The factory employment index for October stood at 100.5 compared with 100 in the base period 1923-25, and 96.7 in October 1936, while the factory pay-roll index stood at 100.1 compared with 100 in the base period and 89.0 in October of last year. These indexes represent a gain of 317,000 workers in manufacturing since October 1936 and an increase of \$22,600,000 in weekly wages.

Of the 89 manufacturing industries surveyed, 31 showed gains in employment over the month interval and 42 showed increases in pay rolls. The employment increases were, in most instances, of a seasonal character. Beet-sugar firms reported an employment increase of 176.3 percent due to peak-season activity, and the automobile industry showed gains of 19.0 percent in employment and 31.0 percent in pay rolls due to a resumption of operations incident to the production of new models. Among other industries reporting large employment increases which reflected seasonal activity were confectionery; wirework; men's furnishings; cottonseed—oil, cake, and meal; jewelry; and slaughtering and meat packing. Smaller gains of a seasonal nature were shown in lighting equipment, cane-sugar refining, pottery, hardware, rubber goods, paper boxes, and newspapers. Contraseasonal increases of 2.3 percent and 1.2 percent, respectively, were shown in agricultural implements and baking.

Employment decreases of 20.1 percent in aluminum manufactures and 10.8 percent in carpet and rug mills were due largely to labor troubles.

Among the industries in which seasonal factors contributed to declines in employment were canning and preserving; ice cream; tin cans and tinware; beverages; millinery; butter; silk and rayon goods; men's clothing; brick, tile, and terra cotta; boots and shoes; millwork; and petroleum refining. Among industries showing contraseasonal declines were steam and hot-water heating apparatus, cotton

goods, stoves, radios and phonographs, leather, furniture, foundries and machine shops, and women's clothing. Other industries which had fewer employees in October than in September were blast furnaces, steel works, and rolling mills; woolen and worsted goods; steam-railroad repair shops; electrical machinery, apparatus and supplies; paper and pulp; cement; and fertilizers.

Substantial gains in employment in department, variety, and general merchandising stores and mail-order houses, combined with seasonal expansion in apparel, furniture, wood, coal, and ice, and a number of other lines of retail trade resulted in an estimated increase of 54,000 retail trade workers over the month interval. This increase was smaller than the average increase in retail trade employment in October over the preceding 5-year period (76,000). Likewise, the increase in wholesale trade of approximately 16,000 workers and the gain of 4,000 workers in anthracite mining were below the average gains (18,600 and 7,100, respectively) for October during the preceding 5 years. The increase of 11,000 workers in bituminous-coal mining in October, on the other hand, was well above the average October gain in the 5 preceding years (1,800), and the increase of 3,200 in employment in year-round hotels also compared favorably with the preceding 5-year average.

Among the nonmanufacturing industries reporting declines were private building construction (3.3 percent) and laundries (4.0 percent). The decrease in the private building construction industry was contra-seasonal, gains having been shown from September to October in 4 of the 5 preceding years for which data are available. The employment decline in laundries was seasonal as were the declines of 1.6 percent in dyeing and cleaning and 2.6 percent in quarrying and nonmetallic mining. The decline of 1.4 percent in metalliferous mining marked the first recession in this industry since November 1936. The decrease of 0.9 percent in crude-petroleum producing followed a series of gains which had begun in January of this year, and the decrease of 0.2 percent in the telephone and telegraph industry marked the first decline in 10 months.

According to a preliminary tabulation by the Interstate Commerce Commission, class I railroads employed 1,103,576 workers, exclusive of executives, officials, and staff assistants, in October. This total was 1.5 percent or 17,084 lower than the number employed in September. Pay-roll figures for October were not available when this report was prepared. For September, the wage disbursements were \$163,645,431, and for August they amounted to \$169,379,107, a decrease of 3.4 percent over the month interval.

Hours and earnings.—The average number of hours worked per week in October by factory wage earners was 37.6 according to reports covering full- and part-time workers combined. This average was

0.6 percent above the September average. Average hourly earnings climbed 1.2 percent to 66.6 cents and average weekly earnings advanced 1.5 percent to \$25.39.

Nine of the fourteen nonmanufacturing industries for which man-hour data are available, showed more hours worked per week in October than in September and 9 reported higher hourly rates. Of the 16 nonmanufacturing industries covered, 13 showed increases in average weekly earnings.

A summary of employment and pay-roll indexes and average weekly earnings in October 1937 for all manufacturing industries combined, for selected nonmanufacturing industries, and for class I railroads, with percentage changes over the month and year intervals except in the few industries for which data are not available, is presented in table 1.

TABLE 1.—*Employment, Pay Rolls, and Earnings in All Manufacturing Industries Combined and in Nonmanufacturing Industries, October 1937*

[Preliminary figures]

Industry	Employment			Pay rolls			Average weekly earnings		
	Index October 1937	Percentage change from—		Index October 1937	Percentage change from—		Average in October 1937	Percentage change from—	
		Sept- tem- ber 1937	October 1936		Sept- tem- ber 1937	October 1936		Sept- tem- ber 1937	October 1936
All manufacturing industries combined ¹	(1923- 25=100) 100.5	-1.6	+3.9	(1923- 25=100) 100.1	+(²)	+12.5	\$25.39	+1.6	+8.3
Class I steam railroads ²	62.5 (1929= 100)	-1.4	+0	(⁴) (1929= 100)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Coal mining:									
Anthracite.....	51.0	+5.7	+2.2	51.0	+02.3	+5.2	29.14	+53.4	+2.9
Bituminous.....	82.9	+3.0	+2.3	86.0	+10.7	+8.6	26.25	+7.5	+6.2
Metalliferous mining.....	82.9	-1.4	+29.2	81.7	-7	+52.1	31.26	+7	+17.7
Quarrying and nonmetallic mining.....	53.3	-2.6	-2.4	49.3	-1.6	+6.8	23.70	+1.0	+9.4
Crude-petroleum producing.....	77.5	-9	+5.2	69.9	-1.8	+17.4	33.64	-9	+11.6
Public utilities:									
Telephone and telegraph.....	79.9	-2	+8.2	94.3	+2.2	+13.5	31.44	+2.3	+4.8
Electric light and power and manufactured gas.....	98.5	-1	+4.8	105.3	+1.2	+13.5	34.23	+1.4	+8.3
Electric-railroad and mo- torbus operation and maintenance.....	73.4	-4	+4	71.4	-3	+5.4	31.93	+1	+5.0
Trade:									
Wholesale.....	94.0	+1.0	+5.6	79.3	+1.4	+11.0	30.45	+4	+5.0
Retail.....	92.1	+1.5	+3.8	75.9	+2.0	+11.1	21.90	+5	+7.0
General merchandising.....	108.1	+4.2	+4.0	96.2	+4.1	+10.3	18.55	-2	+6.0
Other than general merchandising.....	87.9	+7	+3.8	71.7	+1.4	+11.4	24.89	+7	+7.3
Hotels (year-round) ³	89.2	+1.2	+4.4	77.7	+2.1	+11.7	15.11	+8	+7.0
Laundries.....	89.9	-4.0	+2.7	81.5	-3.5	+8.2	16.96	+6	+5.4
Dyeing and cleaning.....	85.3	-1.6	-1.4	71.4	-2.0	+7.1	20.78	-3	+8.7
Brokerage.....	(⁵)	-2.9	-4.0	(⁵)	-3.2	-1.0	38.52	-4	+3.2
Insurance.....	(⁵)	-1	+1.6	(⁵)	+3	+5.2	38.45	+4	+3.6
Building construction.....	(⁵)	-3.3	+4	(⁵)	-3.0	+13.9	31.22	+4	+13.7

¹ Revised indexes—Adjusted to 1933 Census of Manufactures.

² Less than 1/10 of 1 percent.

³ Preliminary Source: Interstate Commerce Commission.

⁴ Not available.

⁵ Cash payments only; the additional value of board, room, and tips cannot be computed.

Public Employment

Employment on construction projects financed from Public Works Administration funds has been decreasing since May 1937. The October figure of 150,000 marked the low point of any of the preceding months of 1937. This was a decrease of 17,000 compared with September. Decreases occurred in the number of workers employed on Federal and non-Federal projects financed from funds provided by the National Industrial Recovery Act and on projects financed from funds provided by the Emergency Relief Appropriation Acts of 1935 and 1936. Pay-roll disbursements totaling \$12,903,000 were \$1,406,000 less than in September.

The level of employment on construction projects financed from regular Federal appropriations was higher than in any of the preceding 12 months. Employment during October reached a peak of 218,000. Compared with September, this was an increase of 12,000. Gains in employment were reported for the following types of projects: Building construction, electrification, forestry, naval vessels, reclamation, river, harbor, and flood control, and streets and roads. The number of workers employed on heavy engineering, public roads, water and sewerage, and miscellaneous projects was somewhat lower in October than in the preceding month. Although there was an increase in the total number of workers employed on all types of projects, fewer hours were worked. Pay-roll disbursements totaling \$20,911,000 were \$756,000 less than in September.

There was a moderate increase in employment on projects financed by the Reconstruction Finance Corporation. Approximately 4,000 workers were employed on the program. Increases in employment occurred on building construction and water and sewerage projects. Employment on miscellaneous projects decreased. Pay rolls for the month totaled \$558,000.

The number of wage earners on projects financed by The Works Program during October was 2,063,000, an increase of 176,000 compared with September. The marked increase in employment on Student Aid at the beginning of the school year more than offset the decreases in employment on other projects of The Works Program. Of the total number employed in October, 193,000 were working on Federal projects under The Works Program, 1,527,000 on projects operated by the Works Progress Administration, and 343,000 on work projects of the National Youth Administration and Student Aid. Pay-roll disbursements for all projects totaled \$96,483,000.

In the regular services of the Federal Government increases were reported in the judicial and legislative services. Decreases occurred in the executive and military services. Of the 828,000 employees in the

executive service in October, 111,000 were working in the District of Columbia and 717,000 outside the District. Approximately 91.8 percent of the total number of employees in the executive service were paid from regular appropriations and 8.2 percent from emergency funds. Among the departments reporting decreases were the War Department and the Works Progress Administration.

October marked the beginning of a new enlistment period for the Civilian Conservation Corps. During this month 363,000 workers were employed, an increase of 74,000 compared with the preceding month. Sharp increases in the number of enrolled personnel and supervisory and technical employees more than offset small decreases in the number of reserve officers, nurses, and educational advisers. Pay-roll disbursements for all workers totaling \$15,623,000 were \$672,000 greater than in September.

More than 187,000 employees were working on road projects financed wholly from State funds. This was a decrease of 6,000 compared with September. A decrease in employment was shown for maintenance work, while a small increase occurred on new construction. Of the total number employed, 85.4 percent were engaged in maintenance work and 14.6 percent on new road construction. For both types of work pay-roll disbursements amounted to \$12,135,000.

A summary of Federal employment and pay-roll statistics for September and October is given in table 2.

TABLE 2.—*Summary of Federal Employment and Pay Rolls, October 1937*¹

[Preliminary figures]

Class	Employment		Per-centage change	Pay rolls		Per-centage change
	October	Septem-ber		October	September	
Federal services:						
Executive ²	827,701	³ 836,593	-1.1	\$122,944,783	³ \$125,926,964	-2.4
Judicial.....	1,975	1,906	+3.5	501,589	504,220	- .5
Legislative.....	5,347	5,273	+1.4	1,229,405	1,215,058	+1.1
Military.....	322,763	323,292	- .2	25,207,388	25,284,004	- .3
Construction projects:						
Financed by P. W. A. ⁴	149,564	166,958	-10.4	12,903,311	14,309,249	-9.8
Financed by R. F. C. ⁵	4,261	³ 4,056	+5.1	558,410	³ 541,264	+3.2
Financed by regular Federal appro- priations.....	218,347	206,663	+5.7	20,911,206	21,667,700	-3.5
Federal projects under The Works Program.....	192,631	193,114	- .3	11,452,256	11,500,978	- .4
Projects operated by W. P. A.....	1,527,604	1,536,029	- .5	81,486,784	81,250,907	+ .3
National Youth Administration:						
Work projects.....	121,599	³ 127,219	-4.4	2,117,482	³ 2,192,605	-3.4
Student Aid.....	221,507	³ 30,870	+617.3	1,426,782	³ 139,188	+925.1
Civilian Conservation Corps.....	363,256	289,167	+25.6	15,622,911	³ 14,950,554	+4.5

¹ Includes data on projects financed wholly or partially from Federal funds.

² Includes 114,937 employees and pay-roll disbursements of \$14,015,938 for October; 109,618 employees and pay-roll disbursements of \$13,709,037 for September; covering force-account and supervisory and technical employees shown under other classifications.

³ Revised.

⁴ Data covering P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds are included. These data are not shown under The Works Program. Includes 101,864 wage earners and \$8,252,933 pay-roll for October; 114,803 wage earners and \$9,308,150 pay-roll for September; covering P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds.

⁵ Includes 78 employees and pay-roll disbursements of \$6,206 for October and 133 employees and pay-roll disbursements of \$13,553 for September on projects financed by the RFC Mortgage Co.

DETAILED REPORTS FOR OCTOBER 1937

Industrial and Business Employment

MONTHLY REPORTS on employment and pay rolls in industrial and business industries are available for the following groups: 89 manufacturing industries; 16 nonmanufacturing industries, including private building construction; and class I steam railroads. The reports for the first two of these groups—manufacturing and non-manufacturing—are based on sample surveys by the Bureau of Labor Statistics, and in virtually all industries the samples are large enough to be entirely representative. The figures on class I steam railroads are compiled by the Interstate Commerce Commission and are presented in the foregoing summary.

EMPLOYMENT, PAY ROLLS, HOURS, AND EARNINGS

The indexes of employment and pay rolls, average hours worked per week, average hourly earnings, and average weekly earnings in manufacturing and nonmanufacturing industries in October 1937 are shown in table 3. Percentage changes from September 1937 and October 1936 are also given.

Indexes of employment and pay rolls as well as average hours worked per week, average hourly earnings, and average weekly earnings for August, September, and October 1937 are presented in table 4. The August and September figures may differ in some instances from those previously published because of revisions necessitated by the inclusion of late reports and other causes.

Average weekly earnings shown in tables 3 and 4 are computed by dividing the total weekly pay rolls in the reporting establishments by the total number of full- and part-time employees reported. As all reporting establishments do not supply man-hour data, average hours worked per week and average hourly earnings are necessarily based on data supplied by a smaller number of reporting firms. The size and composition of the reporting sample varies slightly from month to month and therefore the average hours per week, average hourly earnings, and average weekly earnings shown in the two following tables are not strictly comparable from month to month. The sample, however, is believed to be sufficiently adequate in virtually all instances to indicate the general movements of earnings and hours over the period shown.

TABLE 3.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, October 1937*

MANUFACTURING

[Indexes are based on 3-year average 1923-25=100 and are adjusted to 1933 Census of Manufactures]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index October 1937	Percentage change from—		October 1937	Percentage change from—		October 1937	Percentage change from—		October 1937	Percentage change from—		October 1937	Percentage change from—	
		Sep-tember 1937	Octo-ber 1936		Sep-tember 1937	Octo-ber 1936		Sep-tember 1937	Octo-ber 1936		Sep-tember 1937	Octo-ber 1936		Sep-tember 1937	Octo-ber 1936
All manufacturing industries.....	100.5	-1.6	+3.9	100.1	+ (?)	+12.5	\$25.39	+1.6	+8.3	37.6	+0.6	-7.2	<i>Cents</i> 66.6	+1.2	+18.2
Durable goods.....	97.5	+2	+9.3	101.7	+2.3	+19.2	28.83	+2.1	+9.1	39.1	+1.3	-8.1	73.0	+9	+18.3
Nondurable goods.....	103.6	-3.4	-1.1	98.2	-2.7	+4.8	21.37	+9	+5.9	35.9	-4	-6.7	59.6	+1.0	+12.8
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	105.8	-2.8	+7.0	106.8	-5.4	+14.6	28.50	-2.8	+7.1	37.0	-2.1	-13.8	76.8	-.1	+23.2
Blast furnaces, steel works, and rolling mills.....	117.5	-3.2	+8.9	118.9	-8.3	+16.8	29.96	-5.3	+7.3	35.7	-4.8	-15.9	83.7	-.6	+26.3
Bolts, nuts, washers, and rivets.....	84.8	-3.0	+8.1	96.9	-(?)	+11.9	25.94	+3.1	+3.5	38.2	+2.1	-12.0	68.0	+9	+17.6
Cast-iron pipe.....	62.1	-4.3	-6.3	46.3	-5.1	-6.6	19.98	-.9	-.2	34.4	-2.4	-14.7	57.7	+1.7	+16.2
Cutlery (not including silver and plated cutlery) and edge tools.....	89.8	-(?)	+8.2	85.9	-1.0	+9.7	24.06	-.9	+1.4	40.4	-.8	-11.2	60.6	-.4	+13.4
Forgings, iron and steel.....	71.6	-1.8	+18.0	67.6	-2.8	+30.6	28.86	-1.0	+10.8	39.5	-.3	-2.8	73.3	-.6	+14.3
Hardware.....	94.4	+2.0	+11.4	114.5	+12.9	+23.2	27.26	+10.7	+10.6	39.3	+7.3	-11.6	69.3	+3.3	+25.2
Plumbers' supplies.....	93.6	-1.0	+0.4	76.2	+4.8	+15.6	25.83	+5.9	+5.6	39.0	+5.5	-7.4	66.4	+5	+14.5
Steam and hot-water heating apparatus and steam fittings.....	73.5	-5.2	+6	66.6	-7.7	+1.8	26.24	-2.7	+1.1	37.7	-2.6	-14.6	69.4	-.1	+18.0
Stoves.....	108.3	-4.5	-7.5	94.2	-3.7	-13.4	25.59	+9	-6.4	39.3	+1.0	-14.1	65.4	+(?)	+8.6
Structural and ornamental metalwork.....	79.1	-3.8	+5.7	81.6	-2.7	+19.1	29.04	+1.1	+12.8	40.9	+1.0	-4.8	71.2	+3	+18.8
Tin cans and other tinware.....	100.8	-11.5	-1.8	107.8	-12.3	+11.0	23.85	-.9	+12.9	38.6	-3.1	-1.9	62.0	+1.7	+15.4
Tools (not including edge tools, machine tools, files, and saws).....	97.0	-1.4	+8.2	100.7	-2.8	+7.0	24.20	-1.4	-1.1	39.6	-1.9	-15.3	61.9	+4	+16.5
Wirework.....	187.2	+9.9	+14.1	202.3	+21.3	+33.5	26.79	+10.4	+17.1	37.9	+8.6	-11.1	70.8	+1.6	+31.5
Machinery, not including transportation equipment.....	128.9	-1.4	+17.6	134.2	-.1	+30.7	28.86	+1.3	+11.1	39.9	+7	-5.6	72.0	+5	+17.3
Agricultural implements.....	150.5	+2.3	+54.4	203.5	+7.6	+92.1	30.14	+5.2	+24.4	40.6	+4.9	+7	74.5	+4	+23.9
Cash registers, adding machines, and calculating machines.....	136.3	-.2	+14.7	148.4	+1.3	+27.4	33.61	+1.5	+11.0	41.1	+6	-4.5	82.5	+9	+15.8

Electrical machinery, apparatus, and supplies.	119.3	-1.6	+19.8	124.8	+6	+34.6	28.65	+2.2	+12.5	39.0	+1.9	-4.7	73.6	+5	+17.2
Engines, turbines, tractors, and water wheels.	152.5	-7	+34.9	159.4	+4	+59.7	32.36	+1.1	+18.4	39.4	+4	-8	82.5	+4	+19.1
Foundry and machine-shop products.	110.4	-1.4	+15.4	113.5	-6	+25.9	28.69	+8	+0.1	40.6	+4	-6.8	70.6	+3	+17.3
Machine tools.	157.7	+1	+25.0	170.3	+2.7	+39.1	33.31	+2.8	+11.2	45.1	+2.0	-1.8	73.9	+8	+13.1
Radio and phonographs.	200.5	-3.7	-8.1	165.5	-4.8	-7.0	21.67	-1.1	+1.3	35.6	-2.4	-8.5	61.1	+8	+12.1
Textile machinery and parts.	82.8	-1.5	+12.9	80.9	-5.1	+22.1	26.26	-3.7	+8.2	39.3	-4.8	-4.2	67.2	+1.5	+13.6
Typewriters and parts.	147.9	-2.2	+11.1	128.4	-10.1	-4	23.17	-8.1	-10.4	37.0	-6.3	-18.5	62.6	-1.9	+10.7
Transportation equipment.	122.7	+14.7	+20.2	129.9	+24.4	+55.6	33.37	+8.5	+12.9	37.7	+7.6	-5.6	88.6	+1.3	+19.7
Aircraft.	784.0	+2.3	+26.7	723.0	+7.8	+37.0	28.17	+5.5	+8.2	40.6	+5.3	-2.8	69.5	+3	+12.2
Automobiles.	133.9	+19.0	+21.7	138.3	+31.0	+36.2	34.07	+10.0	+11.9	37.3	+9.1	-7.7	91.4	+1.0	+21.6
Cars, electric and steam-railroad.	67.9	-1.0	+15.7	82.5	+3.5	+38.3	29.13	+4.5	+19.5	38.9	+4.3	+1.6	74.8	+2	+16.5
Locomotives.	64.1	-5	+62.2	56.0	+1.9	+107.2	34.08	-2.4	+27.8	44.0	+7	+7.6	77.4	+1.7	+18.7
Shipbuilding.	106.8	+5	+4.0	124.4	+4.5	+20.5	31.54	+4.0	+15.8	37.3	+3.8	+5.7	83.0	+1	+7.7
Railroad repair shops.	59.0	-2.3	-2.3	64.9	+2.9	+1.6	31.58	+5.3	+4.0	43.2	+5.5	-1.6	73.4	+ (?)	+5.9
Electric railroad.	63.3	-1	-(?)	68.0	+5	+7.1	30.46	+7	+7.2	43.7	+2	+5	68.0	+3	+6.9
Steam railroad.	58.7	-2.5	-2.5	64.9	+3.2	+1.5	31.76	+5.8	+4.0	43.2	+6.0	-1.7	73.8	+(?)	+5.8
Nonferrous metals and their products.	112.7	-1.2	+4.1	109.9	-2	+10.2	26.18	+1.0	+5.9	39.7	+1.4	-9.5	65.8	-1	+17.7
Aluminum manufactures.	104.7	-20.1	-10.7	115.9	-14.6	+4.9	27.63	-6.9	+17.4	40.4	+2.7	-3.2	68.4	+4.1	+21.7
Brass, bronze, and copper products.	113.1	-1.5	+1.6	106.7	-5.7	+3.7	26.76	-4.3	+2.0	36.7	-3.8	-10.2	73.0	-6	+21.7
Clocks and watches and time-recording devices.	127.5	+4	+8.3	132.7	+3.6	+14.2	23.62	+3.2	+5.4	41.1	+2.5	-8.4	57.5	+7	+16.5
Jewelry.	106.4	+5.3	+4.4	89.4	+9.5	+6.4	25.80	+3.9	+1.9	43.2	+6.0	-5.5	50.2	-1.1	+8.5
Lighting equipment.	100.1	+2.9	+10.1	104.4	+5.9	+26.0	26.18	+2.9	+14.5	39.9	+1.9	-7.6	65.7	+9	+23.8
Silverware and plated ware.	80.8	+1.7	+12.5	80.7	-9	+18.0	27.10	-2.5	+4.7	42.4	-2.5	-4.9	64.3	-6	+8.9
Smelting and refining—copper, lead, and zinc.	92.1	-1.0	+16.4	90.9	+2.7	+34.2	29.10	+3.7	+15.2	41.7	+3.7	-9	60.8	0	+16.3
Stamped and enameled ware.	154.0	+5	-2	156.4	+4.8	+1.3	23.70	+4.4	+1.5	39.1	+4.5	-12.2	60.6	-3	+15.3
Lumber and allied products.	69.4	-3.2	+3	65.3	-4.3	+2.8	21.23	-1.1	+2.5	40.3	-3	-9.1	53.3	-8	+12.6
Furniture.	56.8	-2.6	-1	76.8	-1.8	-1	21.11	+8	+1	40.4	-1	-12.5	52.4	+9	+13.8
Lumber:															
Millwork.	54.3	-2.4	+1.6	51.7	-2.7	+3.9	21.90	-3	+2.3	40.2	-1.1	-12.8	54.5	+8	+16.7
Sawnlumber.	52.6	-3.7	+4	40.4	-6.0	+5.0	21.13	-2.4	+4.5	40.2	-2	-6.5	53.6	-2.0	+14.0
Stone, clay, and glass products.	71.4	-1.8	+3.3	69.6	-4	+11.4	24.74	+1.5	+7.9	38.7	-7	-6.2	63.9	+1	+14.4
Brick, tile, and terra cotta.	50.0	-4.5	+7	44.2	-4.7	+7.0	21.19	-2	+6.2	39.6	-7	-10.6	53.3	+3	+19.8
Cement.	69.2	-1.0	+5.6	72.2	-8	+16.3	26.34	+2	+10.1	39.1	+8	-4.4	67.3	-6	+15.2
Glass.	109.9	-1.0	+6.1	119.2	+4	+15.7	26.10	+1.4	+8.9	37.5	+1.5	-2.9	70.0	+1	+12.6
Marble, granite, slate, and other products.	43.4	-3.4	-2.0	37.8	-4.9	-8	25.37	-1.6	+1.2	38.7	-2	-5.3	68.2	-1.3	+7.0
Pottery.	78.6	+2.1	+2.0	72.9	+9.3	+10.3	24.29	+7.1	+8.1	39.8	+1.3	-6.6	62.1	+8	+14.4
Nonurable goods															
Textiles and their products.	100.1	-1.5	-4.0	85.5	-1.8	-3.4	16.87	-2.0	+6	32.8	-7	-10.6	52.1	+4	+11.9
Fabrics.	91.9	-3.2	-5.4	81.0	-5.0	-4.8	16.45	-4	+6	33.6	-2.0	-11.5	49.4	+2	+14.0
Carpets and rugs.	58.7	-10.8	-5.1	64.2	-24.1	-28.5	17.07	-14.9	-24.7	20.4	-14.4	-37.1	64.6	-6	+17.8
Cotton goods.	95.8	-4.6	-3.0	85.1	-7.9	-1.7	14.30	-3.5	+2.3	33.7	-3.1	-11.2	42.4	-2	+15.7
Cotton small wares.	98.4	+6	-3.1	96.8	+9	-2.9	18.35	+3	+1.2	37.1	+2	-8.0	50.3	-1	+11.1
Dyeing and finishing textiles.	112.2	+1.6	-2.3	94.6	-4	-3.2	20.49	-1.0	-1.0	35.3	-2.5	-12.2	57.5	+5	+13.4
Hats, fur-felt.	83.0	-3.0	-4	62.0	-10.3	+1.9	20.20	-7.6	+2.4	26.7	-13.0	-6.9	72.4	+2.2	+4.8
Knit goods.	116.3	-1	-4.1	122.8	+5.0	-1.2	18.33	+5.2	+3.1	35.6	+3.8	-6.7	52.3	+1.0	+10.8
Silk and rayon goods.	75.4	-5.7	-7.5	62.4	-8.4	-6.8	16.02	-2.9	+8	34.2	-1.6	-9.9	46.9	-(?)	+12.5
Woolen and worsted goods.	68.4	-2.9	-12.9	52.8	-8.4	-12.6	17.73	-5.7	+2	30.3	-5.5	-15.7	58.6	-6	+18.6

See footnotes at end of table.

TABLE 3.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, October 1937—Continued

MANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index October 1937	Percentage change from—		Index October 1937	Percentage change from—		Octo- ber 1937	Percentage change from—		Octo- ber 1937	Percentage change from—		Octo- ber 1937	Percentage change from—	
		Sep- tember 1937	Octo- ber 1936		Sep- tember 1937	Octo- ber 1936		Sep- tember 1937	Octo- ber 1936		Sep- tember 1937	Octo- ber 1936		Sep- tember 1937	Octo- ber 1936
<i>Nondurable goods—Continued</i>															
Textiles and their products—Continued.													<i>Cents</i>		
Wearing apparel.....	112.1	-2.0	-5.2	87.0	0	-4.9	\$17.99	+2.1	+4	31.3	+2.1	-9.0	57.4	+7	+8.5
Clothing, men's.....	103.5	-4.8	-4.2	80.2	-4.4	-2.3	18.14	+4	+1.9	29.5	-1.1	-11.9	62.1	+1.5	+13.8
Clothing, women's.....	150.4	-1.2	-7.9	110.1	+3.5	-7.6	20.29	+4.7	+3	31.2	+4.4	-6.6	61.7	+1.6	+6.7
Corsets and allied garments.....	89.7	+9	+1	87.3	+3.7	-3.5	16.17	+2.8	-3.5	33.3	+2.5	-9.1	47.8	+6	+6.4
Men's furnishings.....	135.9	+6.4	-1.8	111.8	+17.3	-4.9	14.79	+10.2	-3.0	35.6	+12.7	-11.0	37.6	-1.6	+1.1
Millinery.....	52.0	-8.4	-8.2	35.5	-27.4	-7.1	20.30	-20.7	+1.0						
Shirts and collars.....	120.7	+1.3	-2.2	112.5	+9.3	-2.9	13.97	+7.9	-7	34.7	+6.1	-10.8	40.8	+8	+9.9
Leather and its manufactures.	89.5	-3.5	-3.6	66.3	-7.4	-10.4	17.14	-4.0	-7.0	31.8	-3.3	-13.8	54.2	-1.3	+7.8
Boots and shoes.....	90.7	-3.5	-2.3	58.7	-9.0	-12.8	15.50	-5.7	-10.7	30.4	-4.2	-15.7	51.9	-1.9	+6.9
Leather.....	89.6	-3.2	-7.8	95.0	-3.7	-4.1	23.60	-6	+4.0	37.5	-6	-6.1	63.3	+3	+11.0
Food and kindred products.	125.0	-9.3	+6	125.0	-6.2	+12.1	23.77	+3.4	+11.4	40.9	+9	-1.4	58.8	+3.0	+14.5
Baking.....	138.4	+1.2	+4.4	137.3	+9	+15.4	25.84	-4	+10.5	43.0	+6	+2.9	60.6	-8	+7.0
Beverages.....	202.7	-9.3	+6.3	222.4	-12.1	+11.8	32.30	-3.1	+5.2	39.2	-2.8	-2.2	83.5	+(?)	+7.6
Butter.....	86.4	-5.7	+4.4	70.3	-4.8	-8.0	22.71	+1.0	+3.4						
Canning and preserving.....	185.9	-40.3	-5.8	187.7	-38.9	+4.8	16.24	+2.5	+11.1	36.3	-1.9	-7.9	46.5	+4.7	+21.7
Confectionery.....	95.5	+11.9	+5.0	98.4	+10.6	+14.1	18.62	-1.1	+8.6	41.3	+1.0	+(?)	45.5	-2.3	+10.1
Flour.....	76.9	+2	+1	80.9	+2	+11.0	27.30	0	+11.0	45.6	+4	-1.0	59.0	-8	+10.2
Ice cream.....	68.8	-10.4	+4.6	63.9	-13.7	+10.5	28.54	+3.3	+5.7	46.1	-2	+(?)	60.1	+2.5	+4.9
Slaughtering and meat packing.....	89.4	+3.0	-2.6	100.1	+2.1	+12.8	28.01	-8	+15.8	40.8	-6	-5.5	68.8	+1	+23.4
Sugar, beet.....	253.0	+176.3	-6.9	224.3	+122.7	+11.1	20.97	-19.4	+19.3	41.6	-6.9	+5.6	52.4	-12.2	+17.0
Sugar refining, cane.....	68.8	+2.4	-9.4	64.2	+6.8	+4.0	25.97	+4.3	+15.5	38.5	+6.0	+1.3	66.8	-2.9	+10.5
Tobacco manufactures	62.6	+8	-2.9	57.9	+2.5	+5.9	17.03	+1.6	+8.1	37.6	+1.9	-5	45.1	-1	+10.8
Chewing and smoking tobacco and snuff.....	56.2	+7	-8	68.2	-2.6	+11.9	18.20	-3.2	+12.8	35.8	-3.7	-1.5	51.3	+6	+14.9
Cigars and cigarettes.....	63.3	+7	-3.2	56.6	+3.1	+5.0	16.80	+2.4	+8.7	37.9	+2.6	-5	44.4	-2	+10.2
Paper and printing.	107.9	+2	+3.8	105.1	+1.4	+8.9	28.26	+1.1	+5.0	38.7	+6	-4.1	75.6	+7	+8.4
Boxes, paper.....	104.8	+1.9	-6	108.9	+5.5	+9	21.35	+3.5	+1.5	40.8	+3.7	-9.3	52.7	-3	+11.4
Paper and pulp.....	117.3	-1.5	+6.0	116.7	-8	+14.5	24.90	+7	+8.1	39.5	+6	-7.6	63.1	+2	+16.8
Printing and publishing:															
Book and job.....	98.8	-1	+4.8	92.6	-2	+9.2	29.71	-1	+4.2	38.3	-7	+6	78.5	+8	+4.1
Newspapers and periodicals.....	107.5	+1.6	+2.6	107.3	+3.3	+6.7	37.59	+1.7	+3.9	37.1	+6	-2.0	97.4	+1.0	+5.9
Chemicals and allied products, and petroleum refining.	126.5	-1.6	+5.2	137.5	-1.1	+20.2	28.32	+6	+14.3	39.2	+6	-1.5	73.4	-3	+16.8
Other than petroleum refining.....	126.7	-1.7	+5.4	136.1	-1.2	+19.5	25.99	+6	+13.3	40.3	+5	-2.0	65.4	-3	+16.2
Chemicals.....	135.2	-1.6	+4.1	150.6	-2	+20.8	30.84	+1.4	+16.0	39.6	+1.8	-2.8	77.9	-4	+19.4

Cottonseed—oil, cake, and meal.....	127.1	+5.3	+22.7	118.9	+5.7	+40.7	13.14	+5	+14.5	54.1	+9	+3.5	24.5	+6	+10.8
Druggists' preparations.....	114.8	+7	+10.0	128.9	+1.3	+14.5	24.47	+6	+4.0	39.6	-2.9	-1.5	58.4	+8	+5.7
Explosives.....	97.3	-4	+4.4	110.5	+3.8	+14.8	32.18	+4.2	+10.0	40.5	+4.1	-3.4	79.5	+1	+14.0
Fertilizers.....	80.5	-4.8	+4.7	83.2	-14.4	+19.5	17.16	-10.1	+14.1	38.8	-5.7	-1.6	44.2	-4.7	+16.9
Paints and varnishes.....	131.6	-6	+2.3	134.1	+2.0	+12.2	28.17	+2.6	+9.6	40.5	+2.5	-3.5	69.7	+2	+13.4
Rayon and allied products.....	387.5	-4.8	+7.2	374.9	-4.8	+21.9	23.89	+(2)	+13.6	37.4	-1.1	-3.9	63.8	+1.2	+18.6
Soap.....	102.8	-3	-4.0	121.1	-8	+15.0	28.55	-5	+19.9	40.0	+4	-1.1	71.9	-8	+21.7
Petroleum refining.....	125.7	-1.2	+4.2	142.3	-6	+22.8	34.43	+6	+17.8	35.9	+9	+2	96.9	-5	+18.5
Rubber products.....	87.7	-3	-2	94.3	-3.2	-2.6	25.83	-2.9	-2.4	33.8	-2.1	-10.5	79.0	-5	+11.4
Rubber boots and shoes.....	77.5	-1.5	-1.1	70.4	-7.2	+8.6	22.83	-5.8	+9.8	37.5	-6.3	-4.9	60.9	+5	+16.6
Rubber goods, other than boots, shoes, tires, and inner tubes.....	137.3	+1.9	+3.3	139.5	+5.3	+8.9	23.61	+3.2	+5.3	38.8	+3.1	-4.5	61.4	+4	+13.2
Rubber tires and inner tubes.....	87.0	-1.6	-2.3	84.3	-6.7	-10.1	28.24	-5.2	-8.1	29.3	-5.0	-17.3	96.6	-6	+10.5

NONMANUFACTURING

[Indexes are based on 12-month average 1929=100]

Coal mining:															
Anthracite.....	51.0	+5.7	+2.2	51.0	+62.3	+5.2	29.14	+53.4	+2.0	31.4	+51.2	-5.6	91.2	+4	+8.2
Bituminous.....	82.9	+3.0	+2.3	86.0	+10.7	+8.6	26.25	+7.5	+6.2	29.6	+7.3	-7.3	88.7	-2	+13.0
Metalliferous mining.....	82.9	-1.4	+29.2	81.7	-7	+52.1	31.26	+7	+17.7	44.2	+1.4	+3.4	70.8	-7	+13.7
Quarrying and nonmetallic mining.....	53.3	-2.6	-2.4	49.3	-1.6	+6.8	23.70	+1.0	+9.4	42.6	+4	-3.4	55.4	+4	+13.1
Crude-petroleum producing.....	77.5	-9	+5.2	69.0	-1.8	+17.4	33.64	-9	+11.6	39.9	-2	+2.1	83.3	-7	+8.7
Public utilities:															
Telephone and telegraph.....	79.9	-2	+8.2	94.3	+2.2	+13.5	31.44	+2.3	+4.8	39.9	+2.0	-1.0	83.5	+5	+6.7
Electric light and power and manufactured gas.....	98.5	-1	+4.8	105.3	+1.2	+13.5	34.23	+1.4	+8.3	40.4	+1.4	-1	85.1	-2	+9.8
Electric-railroad and motorbus operation and maintenance.....	73.4	-4	+4	71.4	-3	+5.4	31.93	+1	+5.0	45.9	-3	-4	68.7	+1	+6.0
Trade:															
Wholesale.....	94.0	+1.0	+5.6	79.3	+1.4	+11.0	30.45	+4	+5.0	42.9	+5	-5	70.6	-3	+5.9
Retail.....	92.1	+1.5	+3.8	75.9	+2.0	+11.1	21.96	+5	+7.0	43.0	+7	-2.0	56.5	(2)	+9.3
General merchandising.....	108.1	+4.2	+4.0	96.2	+1	+10.3	18.55	-2	+6.0	39.4	+1.1	-3.8	51.5	-6	+11.8
Other than general merchandising.....	87.9	+7	+3.8	71.7	+1.4	+11.4	24.89	+7	+7.3	44.2	+7	-1.4	58.1	+3	+8.7
Hotels (year-round) ¹	89.2	+1.2	+4.4	77.7	+2.1	+11.7	15.11	+8	+7.0	47.1	-1.0	-1.6	31.7	+3	+6.5
Laundries.....	89.9	-4.0	+2.7	81.5	-3.5	+8.2	16.96	+6	+5.4	42.1	-7	-1.6	40.3	+1.3	+7.3
Dyeing and cleaning.....	85.3	-1.6	-1.4	71.4	-2.0	+7.1	20.78	-3	+8.7	42.6	-1.7	-9	49.9	+2.3	+8.5
Brokerage.....	(4)	-2.9	-4.0	(4)	-3.2	-1.0	38.52	-4	+3.2	(4)	(4)	(4)	(4)	(4)	(4)
Insurance.....	(4)	-1	+1.6	(4)	+3	+5.2	38.45	+4	+3.6	(4)	(4)	(4)	(4)	(4)	(4)
Building construction.....	(4)	-3.3	+4	(4)	-3.0	+14.0	31.22	+4	+13.7	34.3	+1	-1	90.8	+3	+14.1

¹ Average weekly earnings are computed from figures furnished by all reporting establishments. Average hours and average hourly earnings are computed from data supplied by a smaller number of establishments as all reporting firms do not furnish man-hours. Percentage changes over year are computed from indexes. Percentage changes over month in average weekly earnings for the manufacturing groups, for all manufacturing industries combined, and for retail trade are also computed from indexes.

² Less than 1/10 of 1 percent.

³ Cash payments only; the additional value of board, room, and tips cannot be computed.

⁴ Not available.

TABLE 4.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, October, September, and August 1937*

MANUFACTURING

[Indexes are based on 3-year average 1923-25=100 and are adjusted to 1933 Census of Manufactures]

Industry	Employment index			Pay-roll index			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937
All manufacturing industries.....	100.5	102.1	102.3	100.1	100.1	103.8	\$25.39	\$24.92	\$25.87	37.6	37.4	38.7	<i>Cents</i> 66.6	<i>Cents</i> 65.8	<i>Cents</i> 65.7
Durable goods.....	97.5	97.3	98.1	101.7	99.4	104.0	28.83	28.18	29.31	39.1	38.6	40.1	73.0	72.4	72.2
Nondurable goods.....	103.6	107.3	106.9	98.2	100.9	103.5	21.37	21.30	22.03	35.9	36.1	37.2	59.6	59.0	58.9
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	105.8	108.8	108.7	106.8	112.9	120.4	28.50	29.37	31.52	37.0	37.8	40.0	76.8	76.8	77.5
Blast furnaces, steel works, and rolling mills.....	117.5	121.4	121.4	118.9	129.7	142.3	29.96	31.65	34.74	35.7	37.5	40.5	83.7	84.2	85.7
Bolts, nuts, washers, and rivets.....	84.8	87.5	86.7	96.9	96.9	100.7	25.94	25.21	26.48	38.2	37.6	39.6	68.0	67.3	67.3
Cast-iron pipe.....	62.1	64.9	67.6	46.3	48.9	53.5	19.98	20.15	21.28	34.4	35.1	37.2	57.7	56.7	56.9
Cutlery (not including silver and plated cutlery) and edge tools.....	89.8	89.9	89.1	85.9	86.7	85.1	24.06	24.32	24.09	40.4	40.7	40.9	60.6	61.0	60.1
Forgings, iron and steel.....	71.6	73.0	71.8	67.6	69.6	67.1	28.86	29.23	28.61	39.5	39.7	39.8	73.3	73.9	72.2
Hardware.....	94.4	92.6	89.8	114.5	101.4	103.8	27.26	24.58	26.02	39.3	36.5	38.6	69.3	67.2	67.5
Plumbers' supplies.....	93.6	91.5	93.6	76.2	72.7	76.6	25.83	24.57	25.84	39.0	37.2	39.7	66.4	65.9	65.1
Steam and hot-water heating apparatus and steam fittings.....	73.5	77.4	76.4	66.6	72.2	71.7	26.24	26.97	27.11	37.7	38.7	39.1	69.4	69.7	69.0
Stoves.....	108.3	113.4	112.6	94.2	97.8	96.9	25.59	25.37	25.28	39.3	38.9	39.3	65.4	65.3	64.7
Structural and ornamental metalwork.....	79.1	82.3	81.4	81.6	83.9	84.7	29.04	28.69	29.20	40.9	40.7	41.5	71.2	70.6	70.5
Tin cans and other tinware.....	100.8	114.0	117.9	107.8	122.9	128.8	23.85	23.97	24.30	38.6	39.7	41.1	62.0	60.8	59.2
Tools (not including edge tools, machine tools, files, and saws).....	97.0	98.4	100.4	100.7	103.6	106.7	24.20	24.54	24.81	39.0	39.7	40.2	61.9	61.6	61.6
Wirework.....	187.2	170.3	171.3	202.3	166.8	160.7	26.79	24.47	23.46	37.9	35.6	34.4	70.8	68.7	68.3
Machinery, not including transportation equipment.....	128.9	130.7	130.2	134.2	134.3	137.1	28.86	28.47	28.97	39.9	39.7	40.8	72.0	71.6	71.0
Agricultural implements.....	150.5	147.2	141.0	203.5	189.2	184.2	30.14	28.78	29.06	40.6	38.8	40.1	74.5	74.4	73.1
Cash registers, adding machines, and calculating machines.....	136.3	136.5	135.0	148.4	146.5	140.0	33.61	33.20	32.06	41.1	40.9	40.3	82.5	81.9	80.2
Electrical machinery, apparatus, and supplies.....	119.3	121.3	121.0	124.8	124.1	126.8	28.65	28.05	28.72	39.0	38.4	39.5	73.6	73.1	72.7
Engines, turbines, tractors, and water wheels.....	152.5	153.6	151.1	159.4	158.8	155.5	32.36	32.00	32.07	39.4	39.2	39.4	82.5	82.2	81.5
Foundry and machine-shop products.....	110.4	111.9	112.5	113.5	114.2	118.9	28.69	28.42	29.19	40.6	40.4	42.0	70.6	70.3	69.4
Machine tools.....	157.7	157.6	154.6	170.3	165.5	160.2	33.31	32.36	31.94	45.1	44.2	44.0	73.9	73.3	72.7

Radios and phonographs.....	200.5	208.3	203.5	165.5	173.9	175.8	21.67	21.94	22.78	35.6	36.9	38.1	61.1	60.0	61.0
Textile machinery and parts.....	82.8	84.0	85.8	80.9	85.2	88.2	26.26	27.18	27.57	39.3	41.3	41.6	67.2	65.9	66.5
Typewriters and parts.....	147.9	151.2	152.0	128.4	142.8	143.8	23.17	25.20	25.25	37.0	39.5	39.7	62.6	63.8	63.6
Transportation equipment.....	122.7	107.0	111.8	129.9	104.4	112.8	33.37	30.57	31.71	37.7	35.0	36.0	88.6	87.4	88.5
Aircraft.....	784.0	766.8	812.1	723.0	670.4	750.8	28.17	26.71	29.28	40.6	38.5	41.5	69.5	69.3	70.6
Automobiles.....	133.9	112.5	118.7	138.3	105.6	115.3	34.07	30.93	32.08	37.3	34.2	34.9	91.4	90.4	92.0
Cars, electric- and steam-railroad.....	67.9	68.5	72.7	82.5	79.7	87.4	29.13	27.89	28.84	38.9	37.4	39.4	74.8	74.7	73.3
Locomotives.....	64.1	64.4	63.3	56.0	55.0	52.6	34.08	33.28	32.25	44.0	43.7	43.6	77.4	76.1	74.0
Shipbuilding.....	106.8	106.2	102.4	124.4	119.0	118.8	31.54	30.34	31.44	37.3	35.8	38.2	83.0	83.2	81.7
Railroad repair shops.....	59.0	60.4	62.1	64.9	63.1	67.3	31.58	30.05	31.13	43.2	41.0	44.3	73.4	73.4	70.5
Electric railroad.....	63.3	63.4	63.0	68.0	67.7	68.7	30.46	30.24	30.81	43.7	43.6	44.7	68.0	67.9	67.5
Steam railroad.....	58.7	60.2	62.0	64.9	62.9	67.4	31.76	30.02	31.17	43.2	40.8	44.3	73.8	73.8	70.7
Nonferrous metals and their products.....	112.7	114.1	112.8	109.9	110.1	109.9	26.18	25.95	26.22	39.7	39.1	39.6	65.8	66.0	65.6
Aluminum manufactures.....	104.7	131.0	132.6	115.9	135.7	141.2	27.63	26.05	26.82	40.4	39.5	41.1	68.4	66.0	65.3
Brass, bronze, and copper products.....	113.1	114.8	116.9	106.7	113.2	116.6	26.76	27.94	28.21	36.7	38.1	38.7	73.0	73.4	73.0
Clocks and watches and time-recording devices.....	127.5	127.0	123.7	132.7	128.0	121.9	23.62	22.91	22.40	41.1	40.1	39.8	57.5	57.2	56.3
Jewelry.....	106.4	101.1	95.9	89.4	81.7	74.1	25.80	24.73	23.28	43.2	40.7	39.8	59.2	60.0	57.8
Lighting equipment.....	100.1	97.3	90.8	104.4	98.6	86.8	26.18	25.50	24.15	39.9	39.1	37.3	65.7	65.4	64.9
Silverware and plated ware.....	80.8	79.5	76.3	80.7	81.4	72.5	27.10	27.81	26.00	42.4	43.5	40.5	64.3	64.7	64.7
Smelting and refining—copper, lead, and zinc.....	92.1	93.0	92.1	90.9	88.6	92.4	29.10	28.01	29.56	41.7	40.2	42.3	69.8	69.7	69.8
Stamped and enameled ware.....	154.0	153.2	153.4	156.4	149.2	157.0	23.70	22.69	23.83	39.1	37.3	39.1	60.6	60.9	61.1
Lumber and allied products.....	89.4	71.7	73.0	85.3	88.2	71.4	21.23	21.41	22.08	40.3	40.3	42.0	53.3	53.8	53.2
Furniture.....	86.8	89.1	89.2	76.8	78.2	79.2	21.11	20.85	21.04	40.4	40.5	41.2	52.4	51.6	51.3
Lumber:															
Millwork.....	54.3	55.6	57.1	51.7	53.2	56.1	21.90	22.09	22.74	40.2	40.8	42.3	54.5	54.3	53.9
Sawmills.....	52.6	54.6	55.9	49.4	52.6	56.2	21.13	21.05	22.70	40.2	40.0	42.4	53.6	55.0	54.2
Stone, clay, and glass products.....	71.4	72.7	71.9	69.6	69.9	70.5	24.74	24.38	24.84	38.7	38.3	39.7	63.9	64.3	63.0
Brick, tile, and terra cotta.....	50.0	52.3	52.0	44.2	46.4	46.2	21.19	21.64	21.75	39.6	39.4	40.9	53.3	54.9	53.1
Cement.....	60.2	69.9	69.9	72.2	72.8	77.1	26.34	26.20	27.63	39.1	38.5	41.2	67.3	68.0	67.1
Glass.....	109.9	111.1	109.6	119.2	118.7	120.3	26.10	25.68	26.35	37.5	36.8	38.7	70.0	70.0	68.5
Marble, granite, slate, and other products.....	43.4	44.9	44.5	37.8	39.8	39.7	25.37	25.71	26.04	38.7	38.7	39.6	66.2	66.9	65.7
Pottery.....	78.6	77.0	75.8	72.9	66.8	64.7	24.29	22.71	22.47	39.8	39.4	39.2	62.1	61.6	61.4
Nondurable goods															
Textiles and their products.....	100.1	101.6	102.8	85.5	87.1	92.1	16.87	16.99	17.77	32.8	33.2	34.4	52.1	51.6	51.5
Fabrics.....	91.9	94.9	97.3	81.0	85.3	90.0	16.45	16.79	17.41	33.6	34.4	35.3	49.4	49.2	49.1
Carpets and rugs.....	88.7	99.4	100.8	64.2	84.5	97.6	17.07	20.05	22.80	26.4	30.8	35.4	64.6	65.0	64.5
Cotton goods.....	93.8	98.3	100.8	85.1	92.4	97.0	14.30	14.84	15.20	33.7	34.9	35.7	42.4	42.4	42.5
Cotton small wares.....	96.4	97.8	96.4	96.8	95.9	90.8	18.35	18.02	17.50	37.1	37.0	35.8	50.3	49.6	49.7
Dyeing and finishing textiles.....	112.2	110.5	109.4	94.6	94.9	93.8	20.49	20.86	20.83	35.3	36.3	36.4	57.5	57.1	56.8
Hats, fur-felt.....	83.0	85.5	88.7	62.0	69.2	87.0	20.20	21.92	26.78	26.7	30.8	36.4	72.4	70.9	76.3
Knit goods.....	116.3	116.5	116.3	122.8	116.9	119.4	18.33	17.43	17.85	35.6	34.3	35.4	52.3	52.0	51.3
Silk and rayon goods.....	75.4	79.9	80.2	62.4	68.2	65.7	16.02	16.55	15.89	34.2	35.1	34.1	46.9	46.9	46.0
Woolen and worsted goods.....	68.4	70.4	78.3	52.8	57.6	68.5	17.73	18.82	20.18	30.3	32.1	34.4	58.6	58.9	58.9

See footnotes at end of table.

TABLE 4.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, October, September, and August 1937—*
Continued

MANUFACTURING—Continued

Industry	Employment index			Pay-roll index			Average weekly earnings ¹			Average hours worked per week ¹			Average earnings ¹		
	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937	Oct. 1937	Sept. 1937	Aug. 1937
<i>Nondurable goods—Continued</i>															
Textiles and their products—Continued.													<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Wearing apparel.....	112.1	114.4	113.0	87.0	87.0	92.4	\$17.99	\$17.53	\$18.81	31.3	30.8	32.3	57.4	56.3	56.3
Clothing, men's.....	103.5	108.7	111.0	80.2	83.9	91.8	18.14	18.12	19.45	29.5	29.8	31.6	62.1	61.7	61.1
Clothing, women's.....	150.4	152.2	146.2	110.1	106.3	114.7	20.29	18.94	21.47	31.2	30.1	32.3	61.7	58.4	60.1
Corsets and allied garments.....	89.7	88.9	88.1	87.3	84.2	81.7	16.17	15.62	15.27	33.3	32.6	32.2	47.8	47.5	47.5
Men's furnishings.....	135.9	127.7	127.6	111.8	95.4	102.4	14.79	13.43	14.03	35.6	31.6	33.0	37.6	38.1	37.8
Millinery.....	52.0	56.7	52.9	35.5	49.0	40.3	20.30	25.05	22.12						
Shirts and collars.....	120.7	119.2	116.0	112.5	103.0	102.8	13.97	12.88	12.77	34.7	32.8	33.8	40.8	40.4	38.9
Leather and its manufactures.	89.5	92.7	96.6	66.3	71.8	63.7	17.14	17.94	20.29	31.6	32.9	37.8	54.2	55.0	54.1
Boots and shoes.....	96.7	94.0	98.6	58.7	64.5	78.7	15.50	16.49	19.24	30.4	31.7	37.6	51.9	53.0	51.9
Leather.....	89.6	92.5	93.9	95.0	98.6	103.8	23.60	23.70	24.64	37.5	37.7	38.9	63.3	63.0	62.8
Food and kindred products.	125.0	137.8	132.4	125.0	133.2	131.2	23.77	23.03	23.80	40.9	40.5	41.0	68.8	57.0	58.0
Baking.....	138.4	136.7	135.3	137.3	136.1	132.4	25.84	25.90	25.37	43.0	42.8	42.3	60.6	60.8	60.4
Beverages.....	202.7	223.3	230.7	222.4	253.0	273.4	32.36	33.27	34.95	39.2	40.2	42.1	83.5	83.2	83.4
Butter.....	86.4	91.6	94.3	70.3	73.8	77.8	22.71	22.35	22.99						
Canning and preserving.....	185.9	311.5	278.0	187.7	307.1	263.9	16.24	15.75	16.90	36.3	36.9	38.5	46.5	44.3	45.5
Confectionery.....	95.5	85.4	73.3	98.4	89.0	75.2	18.62	18.79	18.55	41.3	40.8	38.6	45.5	46.5	48.3
Flour.....	76.9	76.8	77.5	80.9	80.7	80.2	27.30	27.15	26.63	45.6	45.3	45.0	59.0	59.2	58.2
Ice cream.....	68.8	82.2	89.8	63.9	74.0	84.2	28.54	27.83	28.71	46.1	46.3	49.7	60.1	59.7	57.6
Slaughtering and meat packing.....	89.4	80.8	86.8	100.1	98.0	96.6	28.01	28.35	27.99	40.8	41.1	40.2	68.8	69.1	69.6
Sugar, beet.....	253.0	91.6	71.3	224.3	100.7	74.6	20.97	20.01	23.89	41.6	44.7	38.1	52.4	59.6	63.5
Sugar refining, cane.....	68.8	67.2	70.9	64.2	60.1	81.2	25.97	24.96	20.36	38.5	36.2	42.9	66.8	69.0	67.1
Tobacco manufactures.	62.6	62.1	61.8	57.9	56.5	57.2	17.03	17.12	17.89	37.6	37.0	37.8	45.1	46.0	46.0
Chewing and smoking tobacco and snuff.....	56.2	55.8	55.7	68.2	70.0	66.3	18.20	18.81	17.85	35.8	37.2	35.5	51.3	51.0	50.7
Cigars and cigarettes.....	63.3	62.8	62.5	56.6	54.9	56.1	16.80	16.79	17.30	37.9	37.0	38.1	44.4	45.5	45.5
Paper and printing.	107.9	107.7	106.3	105.1	103.7	102.6	28.26	27.89	28.03	38.7	38.4	39.1	75.6	75.1	74.1
Boxes, paper.....	104.8	102.8	102.6	108.9	103.3	102.8	21.35	20.53	20.57	40.8	39.2	39.3	52.7	52.8	52.8
Paper and pulp.....	117.3	119.1	119.1	116.7	117.6	123.8	24.90	24.71	26.01	39.5	39.2	41.5	63.1	63.0	62.8
Printing and publishing:															
Book and job.....	98.8	98.9	96.9	92.6	92.8	89.6	29.71	29.60	29.30	38.3	38.6	38.5	78.5	77.9	77.0
Newspapers and periodicals.....	107.5	105.9	102.9	107.3	103.8	99.1	37.59	37.03	36.16	37.1	36.9	36.6	97.4	96.5	94.9
Chemicals and allied products, and petroleum refining.	126.5	128.6	124.9	137.5	139.0	140.7	38.38	38.19	39.53	39.2	39.0	39.4	73.4	74.0	75.1
Other than petroleum refining.....	126.7	128.9	124.1	136.1	137.7	137.7	25.99	25.92	26.72	40.3	40.2	40.1	65.4	66.1	67.2
Chemicals.....	135.2	137.4	137.2	150.6	150.9	156.1	30.84	30.47	31.56	39.6	38.9	40.6	77.9	78.4	77.8

Cottonseed—oil, cake, and meal.....	127.1	120.7	54.3	118.9	112.4	47.9	13.14	13.14	12.14	54.1	53.2	48.0	24.5	24.9	25.4
Druggists' preparations.....	114.8	114.1	111.8	128.9	127.3	123.0	24.47	24.29	24.12	39.6	40.8	39.8	58.4	57.8	57.6
Explosives.....	97.3	97.6	95.8	110.5	106.4	107.1	32.18	30.89	32.10	40.5	38.9	40.1	79.5	79.5	80.1
Fertilizers.....	80.5	84.6	73.2	83.2	97.2	79.0	17.16	19.16	17.01	38.8	41.1	39.2	44.2	46.7	45.9
Paints and varnishes.....	131.6	132.4	132.8	134.1	131.6	135.4	28.17	27.53	28.06	40.5	39.6	40.7	69.7	60.6	69.0
Rayon and allied products.....	387.5	407.1	403.4	374.9	393.6	400.7	23.89	23.88	24.53	37.4	38.4	38.8	63.8	64.6	63.1
Soap.....	102.8	103.1	101.9	121.1	122.1	117.7	28.55	28.68	27.98	40.0	39.9	39.3	71.9	72.7	71.6
Petroleum refining.....	125.7	127.2	128.2	142.3	143.1	150.5	34.43	34.16	35.66	35.9	35.5	37.2	96.9	97.4	97.1
Rubber products.....	97.7	98.0	97.9	94.3	97.4	97.0	25.83	26.64	26.53	33.8	34.5	34.7	79.0	79.1	78.6
Rubber boots and shoes.....	77.5	78.7	77.1	70.4	75.9	73.2	22.83	24.24	23.85	37.5	40.0	39.7	60.9	60.6	60.1
Rubber goods, other than boots, shoes, tires, and inner tubes.....	137.3	134.7	135.1	139.5	132.6	134.1	23.61	22.60	22.89	38.8	37.5	38.2	61.4	60.6	60.3
Rubber tires and inner tubes.....	87.0	88.3	88.4	84.3	90.4	89.8	23.24	29.76	29.55	29.3	30.8	30.9	96.6	97.0	96.3

NONMANUFACTURING

[Indexes are based on 12-month average 1929=100]

Coal mining:															
Anthracite.....	51.0	48.2	41.2	51.0	31.5	27.2	29.14	18.99	19.25	31.4	20.8	21.7	91.2	90.8	92.1
Bituminous.....	82.9	80.5	78.8	86.0	77.7	73.8	26.25	24.37	23.58	29.6	27.5	26.6	88.7	89.0	89.4
Metalliferous mining.....	82.0	84.1	83.4	81.7	82.2	83.0	31.26	31.22	31.62	44.2	43.6	44.5	70.8	71.6	71.1
Quarrying and nonmetallic mining.....	53.3	54.7	54.9	49.3	50.1	53.2	23.70	22.86	24.06	42.6	42.1	44.3	55.4	53.9	54.1
Crude-petroleum producing.....	77.5	78.2	79.3	69.9	71.2	70.8	33.64	33.93	33.50	39.9	40.0	39.5	83.3	83.9	83.0
Public utilities:															
Telephone and telegraph.....	79.9	80.1	79.8	94.3	92.3	92.1	31.44	31.58	30.94	39.9	39.1	39.0	83.5	83.9	82.4
Electric light and power and manufactured gas.....	98.5	98.6	98.3	105.3	104.0	102.6	34.23	33.96	33.64	40.4	40.2	39.3	85.1	85.2	86.2
Electric-railroad and motorbus operation and maintenance.....	73.4	73.7	73.4	71.4	71.6	73.1	31.93	31.71	32.71	45.9	46.0	47.1	68.7	68.1	68.5
Trade:															
Wholesale.....	94.0	93.0	91.8	79.3	78.3	79.0	30.45	30.60	31.31	42.9	42.6	43.4	70.6	71.7	72.3
Retail.....	92.1	90.7	86.2	75.9	74.4	72.3	21.96	21.87	22.58	43.0	42.7	43.5	56.5	56.2	56.6
General merchandising.....	108.1	103.7	93.8	96.2	92.4	85.7	18.55	18.62	19.21	39.4	39.1	39.0	51.5	51.6	52.8
Other than general merchandising.....	87.9	87.3	84.2	71.7	70.7	69.5	24.89	24.64	25.18	44.2	43.9	44.8	58.1	57.6	57.8
Hotels (year-round) ²	89.2	88.1	86.8	77.7	78.1	74.4	15.11	15.00	14.86	47.1	47.4	47.3	31.7	31.6	31.1
Laundries.....	89.9	93.7	94.2	81.5	84.4	86.0	16.96	16.84	17.17	42.1	42.5	43.5	40.3	39.7	39.6
Dyeing and cleaning.....	85.3	86.7	84.9	71.4	72.8	69.0	20.78	20.61	20.23	42.6	43.9	43.2	49.9	47.4	47.3
Brokerage ³	-2.9	-1.9	-1.3	-3.2	-2.5	-1.6	38.52	38.77	38.85	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Insurance ³	-1.1	-2.2	+3	+3	-2.4	-1.6	38.45	38.59	38.93	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Building construction ³	-3.3	-1.7	+2.4	-3.0	-2.2	+5.2	31.22	31.76	32.28	34.3	34.1	34.7	90.8	92.8	93.0

¹ Average weekly earnings are computed from figures furnished by all reporting establishments. Average hours and average hourly earnings are computed from data supplied by a smaller number of establishments as all reporting firms do not furnish man-hours. The figures are not strictly comparable from month to month because of changes in the size and composition of the reporting sample.

² Cash payments only; the additional value of board, room, and tips cannot be computed.

³ Indexes of employment and pay rolls not available; percentage changes from preceding month substituted.

⁴ Not available.

INDEXES OF EMPLOYMENT AND PAY ROLLS, JANUARY 1936 TO OCTOBER 1937

Indexes of employment and pay rolls are given in tables 5 and 6 for all manufacturing industries combined, for the durable- and non-durable-goods groups of manufacturing industries, and for 13 non-manufacturing industries, including 2 subgroups under retail trade, by months, from January 1936 to October 1937, inclusive. The accompanying chart indicates the trend of factory employment and pay rolls from January 1919 to October 1937.

The indexes of factory employment and pay rolls are computed from returns supplied by representative establishments in 89 manufacturing industries and cover wage earners only. The base used in computing these indexes is the 3-year average, 1923-25, as 100. In October 1937 reports were received from 25,571 manufacturing establishments employing 4,969,493 workers, whose weekly earnings were \$126,168,101. The employment reports received from these establishments cover more than 55 percent of the total wage earners in all manufacturing industries of the country and more than 65 percent of the wage earners in the 89 industries included in the monthly survey of the Bureau of Labor Statistics.

TABLE 5.—Indexes of Employment and Pay Rolls in All Manufacturing Industries Combined and in the Durable- and Nondurable-Goods Groups ¹

[Adjusted to 1933 Census of Manufactures—3-year average 1923-25=100]

Month	Manufacturing											
	Total				Durable goods ²				Nondurable goods ³			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	86.8	96.5	73.8	90.7	78.7	90.4	66.9	86.6	95.4	103.0	82.5	96.0
February.....	86.9	99.0	73.7	95.8	78.6	93.2	66.6	92.5	95.8	105.2	82.7	99.9
March.....	87.9	101.1	77.6	101.1	80.2	96.4	71.8	100.0	96.1	106.1	84.9	102.6
April.....	89.1	102.1	79.3	104.9	82.3	98.6	76.0	106.4	96.3	105.9	83.5	102.9
May.....	89.8	102.3	80.8	105.2	84.0	99.9	78.5	107.5	96.0	104.8	83.8	102.3
June.....	90.1	101.1	81.1	102.9	84.7	98.8	79.0	104.6	95.9	103.5	83.9	100.8
July.....	91.2	101.4	80.2	100.4	84.6	98.9	75.9	100.7	98.2	104.1	85.6	100.0
August.....	93.5	102.3	83.5	103.8	84.7	98.1	77.0	104.0	102.8	106.9	91.8	103.5
September.....	95.5	102.1	83.6	100.1	85.7	97.3	77.2	99.4	105.9	107.3	91.6	100.9
October.....	96.7	100.8	89.0	100.3	89.2	97.5	85.3	101.7	104.7	104.2	93.7	98.6
November.....	96.9	-----	90.7	-----	91.0	-----	88.9	-----	103.3	-----	92.9	-----
December.....	98.1	-----	95.2	-----	92.7	-----	93.4	-----	104.0	-----	97.5	-----
Average.....	91.9	-----	82.4	-----	84.7	-----	78.0	-----	99.5	-----	87.9	-----

¹ Comparable indexes for earlier years will be found in the February 1937 issue of this report, or in the April 1937 issue of the Monthly Labor Review.

² Includes the following groups of manufacturing industries: Iron and steel; machinery; transportation equipment; railroad repair shops; nonferrous metals; lumber and allied products; and stone, clay, and glass products.

³ Includes the following groups of manufacturing industries: Textiles and their products, leather and its manufactures, food and kindred products, tobacco manufactures, paper and printing, chemicals and allied products, products of petroleum and coal, rubber products, and a number of miscellaneous industries not included in other groups.

The indexes for nonmanufacturing industries, are based on the 12-month average for 1929 as 100. Figures for mining, laundries,



dyeing and cleaning, and building construction cover wage earners only, but the figures for public utilities, trade, hotels, brokerage, and

insurance relate to all employees, including executives. For crude-petroleum producing they cover wage earners and clerical field force.

Data for both manufacturing and nonmanufacturing industries are based on reports of the number of employees and amount of pay rolls for the pay period ending nearest the 15th of the month.

TABLE 6.—*Indexes of Employment and Pay Rolls in Selected Nonmanufacturing Industries, January 1936 to October 1937*¹

[12-month average 1929=100]

Month	Anthracite mining				Bituminous coal				Metalliferous mining				Quarrying and non-metallic mining			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	59.1	54.1	54.4	42.7	79.8	84.6	70.6	70.9	54.2	66.8	41.7	58.4	39.4	45.7	25.5	34.6
February.....	61.2	52.7	76.7	41.0	80.2	84.8	78.4	82.4	55.5	69.6	42.8	63.4	36.9	46.7	23.9	37.8
March.....	52.5	48.9	42.6	37.8	80.4	85.9	70.2	88.4	55.9	73.1	45.1	70.6	42.2	49.1	30.9	41.3
April.....	49.8	54.0	28.6	63.9	77.5	72.6	62.6	54.4	57.5	76.2	45.5	76.9	48.4	53.1	36.1	48.1
May.....	54.9	51.0	56.3	44.4	76.2	77.8	62.2	67.8	60.8	78.5	47.7	79.8	52.0	54.9	42.1	51.4
June.....	51.2	51.1	42.0	50.9	75.7	77.9	61.5	71.2	61.9	79.5	48.2	77.7	53.5	55.4	44.0	52.6
July.....	48.4	45.0	37.2	35.2	75.5	75.8	62.6	66.4	61.3	82.0	46.1	77.8	54.4	55.5	43.9	50.8
August.....	41.1	41.2	31.4	27.2	76.9	78.8	65.4	73.8	61.6	83.4	48.2	83.0	55.3	64.9	46.2	53.2
September.....	47.6	48.2	34.9	31.5	78.2	80.5	71.0	77.7	63.1	84.1	50.0	82.2	54.9	54.7	44.8	50.1
October.....	49.9	61.0	48.5	51.0	81.1	82.9	79.2	86.0	64.2	82.9	53.7	81.7	54.6	53.3	46.2	49.3
November.....	51.5	-----	40.3	-----	82.3	-----	80.7	-----	62.9	-----	54.6	-----	52.6	-----	43.5	-----
December.....	54.8	-----	55.4	-----	83.9	-----	85.0	-----	64.4	-----	57.7	-----	49.4	-----	39.4	-----
Average.....	51.8	-----	45.7	-----	79.0	-----	70.8	-----	60.3	-----	48.4	-----	49.5	-----	38.9	-----

Month	Crude-petroleum producing				Telephone and tele-graph				Electric light and power, and manufac-tured gas				Electric-rail road and motorbus operation and mainte-nance ²			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	71.1	72.7	55.7	61.2	70.1	74.4	75.0	83.6	86.1	92.1	84.8	92.3	70.7	72.5	65.0	68.0
February.....	70.8	73.5	55.7	64.1	69.9	74.8	76.2	82.2	86.1	92.2	84.7	93.6	71.7	72.5	68.3	68.7
March.....	70.9	74.2	56.0	63.9	70.2	75.4	77.2	87.2	86.8	92.4	85.9	94.8	71.2	72.6	67.8	69.2
April.....	71.3	75.8	57.1	67.7	70.8	76.6	76.0	86.3	88.0	93.1	86.2	95.5	71.3	72.9	65.9	69.4
May.....	72.7	76.7	58.0	68.2	71.6	77.7	78.5	89.5	89.0	94.6	87.0	97.9	71.5	73.3	66.1	70.1
June.....	73.7	78.5	58.9	70.4	72.1	78.5	77.4	88.6	90.4	96.3	88.1	100.4	71.7	73.3	66.8	71.1
July.....	75.4	78.5	60.4	70.5	73.1	79.7	79.9	92.1	91.7	97.5	89.8	102.2	72.4	73.4	66.5	70.8
August.....	75.0	79.3	59.7	70.8	73.5	79.8	81.2	92.1	93.1	98.3	89.8	102.6	72.4	73.4	66.5	73.1
September.....	74.5	78.2	60.4	71.2	73.7	80.1	78.8	92.3	93.5	98.6	91.4	104.0	72.8	73.7	66.4	71.6
October.....	73.6	77.5	59.6	69.9	73.8	79.9	83.1	94.3	94.0	98.5	92.7	105.3	73.1	73.4	67.7	71.4
November.....	73.2	-----	60.1	-----	73.7	-----	81.6	-----	93.5	-----	91.8	-----	73.0	-----	69.7	-----
December.....	72.4	-----	61.3	-----	73.6	-----	82.4	-----	93.2	-----	93.8	-----	72.5	-----	69.3	-----
Average.....	72.9	-----	58.6	-----	72.2	-----	78.9	-----	90.5	-----	88.8	-----	72.0	-----	67.2	-----

¹ Comparable indexes for earlier years for all of these industries, except year-round hotels, will be found in the November 1934 and subsequent issues of this pamphlet, or the February 1935 and subsequent issues of the Monthly Labor Review. Comparable indexes for year-round hotels will be found in the June 1935 issue of this pamphlet, or the September 1935 issue of the Monthly Labor Review.

² Revised.

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

TABLE 6.—Indexes of Employment and Pay Rolls in Selected Nonmanufacturing Industries, January 1936 to October 1937—Continued

Month	Wholesale trade				Total retail trade				Retail trade—general merchandising				Retail trade—other than general merchandising			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	85.6	90.7	66.6	72.6	80.4	85.4	62.1	68.0	88.2	95.1	76.4	83.8	78.4	82.9	59.1	64.7
February.....	85.0	92.0	66.6	74.1	79.7	85.2	61.6	67.9	85.1	93.9	73.9	82.9	78.3	82.9	59.1	64.8
March.....	85.6	92.1	69.0	75.0	81.9	88.5	63.5	70.5	90.9	100.3	77.3	87.6	79.5	85.4	60.7	67.0
April.....	85.7	91.9	67.9	75.4	85.2	88.8	65.3	71.9	97.4	99.6	81.0	89.1	82.0	86.0	62.1	68.3
May.....	84.6	90.8	68.2	76.1	85.0	89.9	65.8	73.5	95.5	102.1	80.8	91.5	82.3	86.7	62.7	69.8
June.....	84.6	90.3	68.4	76.3	85.5	90.5	66.4	74.4	96.4	102.9	81.3	92.5	82.6	87.2	63.3	70.6
July.....	85.4	90.6	69.0	76.9	83.2	87.6	65.1	72.8	90.7	95.9	77.3	87.3	81.2	85.4	62.6	69.8
August.....	86.3	91.8	69.7	79.0	82.4	86.2	64.4	72.3	89.4	93.8	76.4	85.7	80.5	81.2	61.9	69.5
September.....	88.0	93.0	70.5	78.3	86.6	90.7	66.6	74.4	98.5	103.7	82.8	92.4	83.5	87.3	63.3	70.7
October.....	89.0	94.0	71.5	79.3	88.7	92.1	68.3	75.9	103.9	108.1	87.2	96.2	84.7	87.9	64.4	71.7
November.....	89.7	-----	73.1	-----	90.1	-----	70.1	-----	109.3	-----	91.4	-----	85.1	-----	65.7	-----
December.....	91.0	-----	72.8	-----	90.6	-----	75.9	-----	143.4	-----	116.2	-----	88.1	-----	67.6	-----
Average.....	86.7	-----	69.4	-----	85.7	-----	66.3	-----	99.1	-----	83.5	-----	82.2	-----	62.7	-----

Month	Year-round hotels				Laundries				Dyeing and cleaning			
	Employment		Pay rolls		Employment		Pay rolls		Employment		Pay rolls	
	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	1936	1937
January.....	81.9	85.5	64.9	70.4	81.5	88.5	68.3	76.4	71.5	76.8	51.6	55.6
February.....	82.8	86.4	66.5	72.5	81.2	88.6	67.8	76.3	70.3	76.2	49.0	54.6
March.....	82.8	86.9	66.0	72.7	82.1	88.7	69.9	77.5	74.7	81.1	56.4	61.7
April.....	83.2	88.4	66.3	74.5	83.2	88.5	70.9	78.5	81.8	84.9	64.1	68.8
May.....	84.1	87.7	67.0	73.6	85.5	90.3	75.6	81.4	87.3	88.6	72.2	73.9
June.....	83.9	86.9	66.6	74.0	87.2	93.5	75.8	85.5	87.5	92.1	69.2	79.2
July.....	83.3	86.1	66.0	73.3	90.5	95.2	79.0	86.9	85.5	86.0	64.8	68.0
August.....	84.2	86.8	66.1	74.4	89.6	94.2	76.7	86.0	83.5	84.9	63.2	69.0
September.....	84.2	88.1	67.5	76.1	89.6	93.7	76.6	84.4	86.7	86.7	66.1	72.8
October.....	85.4	89.2	68.6	77.7	87.0	89.9	73.3	81.5	86.5	85.3	66.7	71.4
November.....	84.6	-----	69.6	-----	87.0	-----	74.5	-----	81.3	-----	60.2	-----
December.....	84.0	-----	69.8	-----	87.6	-----	76.1	-----	77.7	-----	57.3	-----
Average.....	83.6	-----	67.2	-----	86.1	-----	73.9	-----	81.2	-----	61.7	-----

* Revised.

TREND OF INDUSTRIAL AND BUSINESS EMPLOYMENT, BY STATES

A comparison of employment and pay rolls, by States and geographic divisions, in September and October 1937, is shown in table 7 for all groups combined, and for all manufacturing industries combined, based on data supplied by reporting establishments. The percentage changes shown, unless otherwise noted, are unweighted—that is, the industries included in the manufacturing group and in the grand total have not been weighted according to their relative importance.

The totals for all manufacturing industries combined include figures for miscellaneous manufacturing industries in addition to the 89 manufacturing industries presented in table 3. The totals for all groups combined include all manufacturing industries, each of the nonmanufacturing industries presented in table 3 except building construction, and seasonal hotels.

TABLE 7.—Comparison of Employment and Pay Rolls in Identical Establishments in September and October 1937, by Geographic Divisions and by States

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

Geographic division and State	Total—All groups					Manufacturing				
	Number of establishments	Number on pay roll October 1937	Percentage change from September 1937	Amount of pay roll (1 week) October 1937	Percentage change from September 1937	Number of establishments	Number on pay roll October 1937	Percentage change from September 1937	Amount of pay roll (1 week) October 1937	Percentage change from September 1937
				<i>Dollars</i>					<i>Dollars</i>	
New England.....	13,390	913,233	-1.8	21,071,759	-3.8	3,575	631,513	-2.8	13,917,079	-6.0
Maine.....	798	53,840	-4.4	1,121,213	-4.7	294	42,599	-5.5	845,012	-6.2
New Hampshire.....	609	37,753	-4.8	736,382	-8.9	205	30,376	-5.8	562,305	-11.3
Vermont.....	457	17,690	-6.1	401,539	+2.2	150	10,994	-3	247,697	+7
Massachusetts.....	<i>18,312</i>	<i>498,639</i>	<i>-1.8</i>	<i>11,503,736</i>	<i>-3.6</i>	<i>1,769</i>	<i>295,611</i>	<i>-2.7</i>	<i>6,376,552</i>	<i>-8.0</i>
Rhode Island.....	1,247	90,819	-2.6	2,016,558	-2.4	420	71,266	-4.0	1,498,557	-4.2
Connecticut.....	1,937	214,492	-3	5,292,331	-1.9	746	180,634	-1.4	4,386,976	-3.1
Middle Atlantic.....	32,870	2,324,414	-4.62	62,927,906	+1.0	5,418	1,333,845	-9.3	34,973,447	-1.0
New York.....	20,500	1,017,684	-6.28	28,645,844	-3	<i>2,297</i>	<i>472,578</i>	<i>-1.7</i>	<i>12,873,285</i>	<i>-2.4</i>
New Jersey.....	4,337	364,845	-1.6	9,579,881	+1	<i>3,811</i>	<i>275,016</i>	<i>+1.4</i>	<i>7,165,922</i>	<i>+3.8</i>
Pennsylvania.....	7,833	941,885	+3	24,702,183	+2.9	<i>2,310</i>	<i>586,251</i>	<i>-1.3</i>	<i>14,934,210</i>	<i>+2.2</i>
East North Central.....	24,792	2,520,949	+1.2	71,563,350	+4.8	8,374	1,923,919	+1.1	55,748,827	+5.1
Ohio.....	8,242	674,606	-2.18	18,480,386	+3	2,579	501,090	-8	14,049,929	-5
Indiana.....	2,607	306,018	-1.7	8,199,972	-1	<i>951</i>	<i>250,799</i>	<i>-2.6</i>	<i>6,899,137</i>	<i>-6</i>
Illinois.....	<i>6,343</i>	<i>665,212</i>	<i>-1.8</i>	<i>18,114,508</i>	<i>-7</i>	<i>2,446</i>	<i>465,179</i>	<i>-3.0</i>	<i>12,694,141</i>	<i>-1.1</i>
Michigan.....	3,906	606,157	+10.2	19,671,594	+19.7	<i>950</i>	<i>516,733</i>	<i>+11.4</i>	<i>16,995,376</i>	<i>+20.1</i>
Wisconsin.....	<i>6,894</i>	<i>268,956</i>	<i>-2.6</i>	<i>7,037,890</i>	<i>+2.0</i>	<i>1,448</i>	<i>190,118</i>	<i>-3.3</i>	<i>5,110,244</i>	<i>+1.1</i>
West North Central.....	11,830	452,239	+5	11,137,027	+1.4	2,439	229,960	+1.1	5,582,443	+1.7
Minnesota.....	2,206	94,035	-1.7	2,518,877	+1.0	417	44,809	-1.7	1,190,500	+2.7
Iowa.....	1,720	98,321	-1.2	1,654,121	-3	423	40,279	-2.7	996,884	-2.3
Missouri.....	3,120	181,620	+7	4,372,838	+2.4	884	100,964	+9	2,288,887	+2.7
North Dakota.....	531	5,252	-2	133,911	+1.0	58	687	-2.7	19,453	-1.8
South Dakota.....	469	6,355	+4.5	149,765	+4.6	37	2,343	+13.1	58,345	+10.5
Nebraska.....	1,521	35,005	+5.1	832,232	+4.2	154	12,850	+13.6	315,129	+10.6
Kansas.....	<i>9,263</i>	<i>61,651</i>	<i>+5.1</i>	<i>1,475,288</i>	<i>+6.2</i>	<i>466</i>	<i>27,121</i>	<i>-1.8</i>	<i>713,245</i>	<i>-1.2</i>
South Atlantic.....	11,086	871,403	-9	17,757,227	+1.1	2,772	574,256	-2.4	10,696,976	-2.3
Delaware.....	218	17,307	-5.8	422,274	-3.5	85	12,820	-8.3	303,345	-5.5
Maryland.....	<i>1,588</i>	<i>136,330</i>	<i>-2.6</i>	<i>5,914,842</i>	<i>-1.4</i>	<i>675</i>	<i>97,374</i>	<i>-4.4</i>	<i>2,359,618</i>	<i>+1.9</i>
District of Columbia.....	1,108	42,339	+2.7	1,094,275	+3.6	35	3,165	-3	108,789	-1.1
Virginia.....	2,159	121,427	-9	2,405,052	+9	473	82,442	-2.5	1,576,775	-4
West Virginia.....	1,249	161,553	+3	4,274,214	+3.0	250	60,729	-1.8	1,609,107	-2
North Carolina.....	1,446	159,034	-2.8	2,441,507	-3.9	571	143,765	-2.6	2,171,278	-4.3
South Carolina.....	777	72,875	-1.2	1,082,832	-2.7	212	64,202	-1.4	917,903	-3.2
Georgia.....	1,493	116,190	-6	1,903,617	-9	372	88,871	-9	1,295,437	-1.6
Florida.....	1,048	44,348	+8.1	818,614	+4.4	199	20,588	+2.1	354,664	+4
East South Central.....	4,315	313,414	-1.4	6,033,840	-3	1,019	196,795	-2.8	3,534,461	-3.2
Kentucky.....	1,367	91,134	-2.1	2,052,650	+5	299	38,145	-5.0	794,749	-6.0
Tennessee.....	1,455	110,293	-1.3	2,018,503	-1.1	383	81,388	-2.2	1,444,277	-2.7
Alabama.....	927	93,283	-8	1,659,080	-1.2	241	65,249	-1.8	1,111,872	-3.5
Mississippi.....	566	18,704	-1.6	303,607	+5.3	96	12,013	-1.4	183,563	+7.0
West South Central.....	4,733	216,079	+1.1	5,009,771	+6	1,130	108,037	+1.1	2,342,432	-2
Arkansas.....	<i>11,610</i>	<i>28,686</i>	<i>+3.6</i>	<i>526,885</i>	<i>+2.5</i>	<i>239</i>	<i>20,162</i>	<i>+3.8</i>	<i>344,698</i>	<i>+1.7</i>
Louisiana.....	1,013	51,532	-8	1,018,027	+5	293	27,161	-2.1	478,437	-2.2
Oklahoma.....	1,405	47,311	+4	1,202,488	+1.3	136	12,646	+5	311,568	+2.1
Texas.....	<i>12,170</i>	<i>88,550</i>	<i>-7</i>	<i>2,262,371</i>	<i>+5</i>	<i>522</i>	<i>48,668</i>	<i>-2</i>	<i>1,207,729</i>	<i>-5</i>
Mountain.....	4,322	158,865	+2.9	4,261,330	+4.0	562	51,564	+10.3	1,268,235	+8.1
Montana.....	697	25,149	+3.2	773,837	-3.8	82	6,182	+11.5	182,320	+15.3
Idaho.....	450	12,910	+12.2	341,890	-6.5	52	4,822	+35.8	120,217	+18.4
Wyoming.....	329	10,559	+9	313,354	-7.7	38	2,431	+27.4	74,384	+25.2
Colorado.....	1,248	53,309	+4.6	1,337,181	+5.7	187	22,278	+11.3	526,446	+7.5
New Mexico.....	312	7,267	-1.1	165,896	+2.6	32	857	-3.4	15,300	-4.5
Arizona.....	478	19,589	-2.2	560,537	-2	39	3,397	-5.4	87,906	-2.1
Utah.....	601	26,523	+2.5	659,850	+3.2	107	10,621	+3.6	232,458	+1.5
Nevada.....	207	3,559	-5.4	108,785	-3.0	25	976	-2.2	29,204	-1.2

See footnotes at end of table.

TABLE 7.—Comparison of Employment and Pay Rolls in Identical Establishments in September and October 1937, by Geographic Divisions and by States—Continued

Geographic division and State	Total—All groups					Manufacturing				
	Number of establishments	Number on pay roll October 1937	Percentage change from September 1937	Amount of pay roll (1 week) October 1937	Percentage change from September 1937	Number of establishments	Number on pay roll October 1937	Percentage change from September 1937	Amount of pay roll (1 week) October 1937	Percentage change from September 1937
				<i>Dollars</i>					<i>Dollars</i>	
Pacific.....	9,931	491,093	-4.8	13,776,022	-1.4	2,504	287,181	-7.5	7,809,353	-3.8
Washington.....	3,023	114,237	-2.0	2,987,511	-1.7	559	67,518	-3.5	1,644,113	-5.1
Oregon.....	1,330	59,601	-6.9	1,591,966	-3.7	307	36,868	-9.8	946,275	-6.8
California.....	13 5,578	317,255	-5.3	9,196,545	-9.9	1,638	182,795	-8.6	5,218,965	-2.8

¹ Includes banks and trust companies, construction, municipal, agricultural, and office employment, amusement and recreation, professional services, and trucking and handling.

² Includes laundering and cleaning, and water, light, and power.

³ Includes laundries.

⁴ Weighted percentage change.

⁵ Includes automobile and miscellaneous services, restaurants, and building and contracting.

⁶ Includes construction but not public works.

⁷ Does not include logging.

⁸ Less than 1/10 of 1 percent.

⁹ Includes financial institutions, miscellaneous services, and restaurants.

¹⁰ Weighted percentage change including hired farm labor.

¹¹ Includes automobile dealers and garages, and sand, gravel and building stone.

¹² Includes business and personal service.

¹³ Includes banks, insurance, and office employment.

INDUSTRIAL AND BUSINESS EMPLOYMENT IN PRINCIPAL CITIES

A comparison of employment and pay rolls in September and October 1937 is made in table 8 for 13 cities which had a population of 500,000 or over in 1930. The figures represent reports from cooperating establishments and cover both full- and part-time workers in miscellaneous manufacturing and nonmanufacturing industries as well as in the manufacturing and nonmanufacturing industries presented in table 3 except building construction.

TABLE 8.—Comparison of Employment and Pay Rolls in Identical Establishments in September and October 1937, by Principal Cities

City	Number of establishments	Number on pay roll October 1937	Percentage change from September 1937	Amount of pay roll (1 week) October 1937	Percentage change from September 1937
New York, N. Y.....	15,281	674,029	+0.8	\$18,212,687	+1.9
Chicago, Ill.....	4,475	511,032	-1.0	14,043,324	-3
Philadelphia, Pa.....	2,375	225,267	+9	6,124,490	+2.2
Detroit, Mich.....	1,678	396,597	+13.7	13,634,875	+23.3
Los Angeles, Calif.....	2,928	164,000	+(¹)	4,664,887	+2.4
Cleveland, Ohio.....	1,786	150,350	+1.1	4,255,351	+3.0
St. Louis, Mo.....	1,589	142,326	-9	3,556,693	+4
Baltimore, Md.....	1,231	108,621	-7	2,742,639	+1
Boston, Mass.....	3,756	192,643	-1.1	4,674,398	-2.8
Pittsburgh, Pa.....	1,240	236,998	-3	6,583,220	-1.8
San Francisco, Calif.....	1,614	88,840	-2.6	2,705,294	-(¹)
Buffalo, N. Y.....	919	71,095	-2.0	2,048,338	-2.6
Milwaukee, Wis.....	1,061	112,480	-2.3	3,190,221	+2.7

¹ Less than 1/10 of 1 percent.

Public Employment

Employment created by the Federal Government includes employment in the regular agencies of the Government, employment on the various construction programs wholly or partially financed by Federal funds, and employment on relief-work projects.

Construction projects financed by the Public Works Administration are those projects authorized by title II of the National Industrial Recovery Act of June 16, 1933. This program of public works was extended to June 30, 1937, by the Emergency Relief Appropriation Act of 1935 and title II of the First Deficiency Appropriation Act of 1936. The first Deficiency Appropriation Act of 1936, cited as the Emergency Relief Appropriation Act of 1936, reappropriated unobligated funds originally made available under the Emergency Relief Appropriation Act of 1935 and authorized the use of \$300,000,000 from funds on hand or received from the sale of securities. The Public Works Administration was continued until July 1, 1939, by the Public Works Extension Act of 1937.

By authority of Public Resolution No. 11, Seventy-fourth Congress, approved April 8, 1935, the President, in a series of Executive orders, inaugurated a broad program of works to be carried out by 61 units of the Federal Government. The Works Program was continued by title II of the First Deficiency Appropriation Act of 1936, cited as the Emergency Relief Appropriation Act of 1936, and was further continued by the Emergency Relief Appropriation Act of 1937. Employment created by this program includes employment on Federal projects and employment on projects operated by the Works Progress Administration. Federal projects are those conducted by Federal agencies which have received allotments from The Works Program fund. Projects operated by the Works Progress Administration are those projects conducted under the supervision of the Works Progress Administration with the cooperation of States, cities, or counties.

The Civilian Conservation Corps, created in April 1933, was further extended under the authority of the Emergency Relief Appropriation Act of 1935. During the fiscal year 1937 the Civilian Conservation Corps was continued from appropriations authorized by the first Deficiency Appropriation Act of 1936. Beginning with July 1, 1937, the Civilian Conservation Corps was continued for 3 years by an act of Congress.

EXECUTIVE SERVICE OF THE FEDERAL GOVERNMENT

Statistics of employment and pay rolls for the executive service of the Federal Government in September and October 1937 are given in table 9.

TABLE 9.—Employment and Pay Rolls for the Executive Service of the U. S. Government, September and October 1937 ¹

[Subject to revision]

Item	Employment		Per-centage change	Pay rolls		Per-centage change
	October	September ²		October	September ²	
Entire service:						
Total.....	827, 701	836, 593	-1. 06	\$122, 944, 783	\$125, 926, 064	-2. 37
Regular appropriation.....	689, 955	699, 220	-1. 33	105, 071, 652	108, 148, 440	-2. 84
Emergency appropriation.....	67, 568	71, 599	-5. 63	9, 361, 004	9, 684, 461	-3. 34
Force-account.....	70, 178	65, 774	+6. 70	8, 512, 127	8, 094, 063	+5. 17
Inside the District of Columbia:						
Total.....	110, 812	111, 428	- . 55	19, 409, 266	19, 601, 853	- . 98
Regular appropriation.....	91, 657	91, 652	+ . 01	16, 402, 089	16, 514, 730	- . 68
Emergency appropriation.....	13, 443	14, 107	-4. 71	2, 164, 278	2, 248, 824	-3. 76
Force-account.....	5, 712	5, 669	+ . 76	842, 899	838, 299	+ . 55
Outside the District of Columbia:						
Total.....	716, 889	725, 165	-1. 14	103, 535, 517	106, 325, 111	-2. 62
Regular appropriation.....	598, 298	607, 568	-1. 53	88, 669, 563	91, 633, 710	-3. 23
Emergency appropriation.....	54, 125	57, 492	-5. 86	7, 195, 726	7, 435, 637	-3. 21
Force-account.....	64, 466	60, 105	+7. 26	7, 669, 228	7, 255, 764	+5. 70

¹ Data include number of employees receiving pay during the last pay period of the month.² Revised.

The monthly record of employment in the executive service of the United States Government from October 1936 to October 1937, inclusive, is shown in table 10.

TABLE 10.—Employment in the Executive Service of the U. S. Government, by Months, October 1936 Through October 1937 ¹

[Subject to revision]

Month	District of Columbia	Outside District of Columbia	Total	Month	District of Columbia	Outside District of Columbia	Total
1936				1937—Continued			
October.....	114, 783	724, 361	839, 144	April.....	116, 755	718, 384	835, 639
November.....	115, 174	722, 098	837, 272	May.....	116, 274	724, 247	840, 521
December.....	116, 345	712, 962	829, 307	June.....	112, 118	758, 144	870, 262
				July.....	111, 288	737, 925	849, 213
1937				August.....	111, 591	731, 491	843, 082
January.....	116, 259	713, 924	830, 183	September ¹	111, 428	725, 165	836, 893
February.....	116, 259	710, 462	826, 721	October.....	110, 812	716, 289	827, 701
March.....	116, 535	713, 047	829, 582				

¹ From June 1937, data include number of employees receiving pay during the last pay period of the month.² Revised.

CONSTRUCTION PROJECTS FINANCED BY THE PUBLIC WORKS ADMINISTRATION

Details concerning employment, pay rolls, and man-hours worked during October on construction projects financed by Public Works Administration funds are given in table 11, by type of project.

TABLE 11.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, October 1937 ¹

[Subject to revision]

Type of project	Wage earners		Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum number employed ²	Weekly average				
Federal projects financed from N. I. R. A. funds						
All projects.....	\$ 25,526	23,778	\$2,681,046	3,388,698	\$0.791	\$2,069,182
Building construction.....	4,154	3,556	448,732	437,555	1.117	621,691
Naval vessels.....	6,164	5,929	877,038	1,038,156	.845	208,201
Public roads ⁴	(5)	7,090	421,061	783,500	.537	460,000
Reclamation.....	2,657	2,417	319,810	391,533	.817	473,761
River, harbor, and flood control.....	5,024	4,420	537,391	694,126	.774	274,400
Streets and roads.....	99	74	7,292	8,624	.846	18,971
Water and sewerage.....	0	0	0	0	-----	0
Miscellaneous.....	338	292	30,322	35,144	.863	12,158
Non-Federal projects financed from N. I. R. A. funds						
All projects.....	22,174	18,843	\$1,968,732	2,062,100	\$0.955	\$3,173,850
Building construction.....	8,852	7,405	810,150	734,852	1.102	1,476,995
Railroad construction.....	82	74	361	678	.532	0
Streets and roads.....	2,588	2,153	144,544	192,034	.753	256,588
Water and sewerage.....	8,680	7,508	885,618	906,458	.977	1,124,027
Miscellaneous.....	1,972	1,703	128,059	228,078	.561	316,240
Projects financed from E. R. A. A. 1935 and 1936 funds ⁶						
All projects ⁷	101,864	85,630	\$8,252,933	10,100,289	\$0.817	\$15,681,287
Building construction ⁷	50,777	42,254	4,416,546	4,626,343	.955	7,383,034
Electrification.....	594	444	39,805	50,726	.785	160,501
Heavy engineering.....	7,232	6,468	693,232	894,026	.775	1,171,713
Reclamation.....	1,106	1,000	116,508	143,341	.813	747,257
River, harbor, and flood control.....	177	147	10,597	23,737	.446	2,723
Streets and roads.....	22,181	18,695	1,321,155	2,267,413	.583	2,306,975
Water and sewerage.....	18,546	15,686	1,545,502	1,967,754	.785	3,237,074
Miscellaneous.....	1,251	936	109,588	126,949	.863	672,010

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

³ Includes weekly average for public roads.

⁴ Under the jurisdiction of the Bureau of Public Roads.

⁵ Not available; weekly average included in total for all projects.

⁶ These data are also included in separate tables covering projects financed by The Works Program.
⁷ Includes a maximum of 12,095 and an average of 10,184 employees working on low-cost housing projects financed from E. R. A. A. 1935 funds who were paid \$1,344,196 for 1,291,421 man-hours of labor. Material orders in the amount of \$1,320,439 were placed for these projects. These data are also included in separate tables covering projects financed from The Works Program.

Federal construction projects for which data are included in tables 11 and 12 are financed by allotments made by the Public Works Administration to the various agencies and departments of the Federal Government from funds provided under the National Industrial Recovery Act. The major portion of the low-cost housing program now under way, however, is financed by funds provided under the

Emergency Relief Appropriation Act of 1935. The work is performed either by commercial firms which have been awarded contracts, or by day labor hired directly by the Federal agencies.

Non-Federal projects are financed by allotments made by the Public Works Administration from funds available under either the National Industrial Recovery Act, the Emergency Relief Appropriation Act of 1935, or the First Deficiency Appropriation Act of 1936. Most of the allotments have been made to the States and their political subdivisions, but occasionally allotments have been made to commercial firms. In financing projects for the States or their political subdivisions from funds appropriated under the National Industrial Recovery Act, the Public Works Administration makes a direct grant of not more than 30 percent of the total labor and material cost. When funds provided under the Emergency Relief Appropriation Act of 1935 or the First Deficiency Appropriation Act of 1936 are used to finance a non-Federal project, as much as 45 percent of the total cost may be furnished in the form of a grant. The remaining 55 percent or more of the cost is financed by the recipient. When circumstances justify such action, the Public Works Administration may provide the grantee with the additional funds by means of a loan. Allotments to commercial enterprises are made only as loans. All loans made by the Public Works Administration carry interest charges and have a definite date of maturity. Collateral posted with the Public Works Administration to secure loans may be offered for sale to the public. In this way a revolving fund is provided which enlarges the scope of the activities of the Public Works Administration.

Commercial loans have been made, for the most part, to railroads. Railroad work financed by loans made by the Public Works Administration falls under three headings: First, construction work in the form of electrification, the laying of rails and ties, repairs to buildings, bridges, etc.; second, the building and repairing of locomotives and passenger and freight cars in shops operated by the railroads; and third, locomotive and passenger- and freight-car building in commercial shops.

MONTHLY TREND

A summary of employment, pay rolls, and man-hours worked on projects financed from Public Works Administration funds from July 1933 to October 1937, inclusive, is given in table 12.

TABLE 12.—*Employment and Pay Rolls, July 1933 to October 1937, Inclusive, on Projects Financed From Public Works Administration Funds*¹

[Subject to revision]

Year and month	Maximum number of wage earners ²	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour	Value of material orders placed
July 1933 to October 1937 ³	-----	\$1,032,522,234	1,514,440,889	\$0.682	\$1,803,796,811
July to December 1933 ⁴	-----	33,244,066	62,209,479	.534	75,587,773
January to December 1934 ⁴	-----	308,303,682	523,484,012	.589	⁵ 610,009,718
January to December 1935 ⁴	-----	270,548,829	392,127,344	.690	⁵ 430,244,485
January to December 1936 ⁴	-----	271,331,937	353,259,435	.768	⁵ 432,513,423
1937 ⁴	-----	-----	-----	-----	-----
January.....	202,175	15,439,981	18,768,676	.823	26,922,308
February.....	174,990	13,790,390	16,580,393	.832	19,399,733
March.....	173,574	13,353,904	16,341,250	.817	20,652,435
April ⁴	192,201	15,242,390	19,068,352	.799	26,135,173
May ⁴	200,019	15,850,554	19,984,975	.793	32,077,717
June.....	204,098	16,430,649	20,510,465	.801	26,151,770
July.....	198,483	16,250,846	20,057,290	.810	24,945,172
August.....	187,822	15,426,466	19,115,326	.807	25,714,152
September.....	166,958	14,309,249	17,332,805	.823	23,527,633
October.....	149,564	12,903,311	15,551,087	.830	20,924,319

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work. Includes weekly average for public-roads projects.

³ Includes employees working on non-Federal projects financed from E. R. A. A. 1935 and 1936 funds and low-cost housing projects financed from E. R. A. A. 1935 funds. These data are also included in separate tables covering projects financed by The Works Program.

⁴ Revised.

⁵ Includes orders placed by railroads for new equipment.

THE WORKS PROGRAM

A detailed record of employment, pay rolls, and man-hours worked on projects financed by The Works Program in October is shown in table 13, by type of project.

TABLE 13.—*Employment and Pay Rolls on Projects Financed by The Works Program, October 1937*¹

[Subject to revision]

Type of project	Wage earners		Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum number employed	Weekly average				
	Federal projects					
All projects.....	\$ 192,631	176,133	\$11,452,256	20,335,431	\$0.563	\$6,219,830
Building construction.....	50,876	47,375	3,290,490	5,121,578	.642	777,781
Electricification.....	1,028	852	64,902	117,544	.552	361,346
Forestry.....	13,455	11,916	577,385	1,305,633	.442	89,875
Grade-crossing elimination.....	15,254	12,663	989,297	1,513,619	.654	1,606,876
Hydroelectric power plants ¹	3,185	2,702	67,774	273,889	.247	24,429
Plant, crop, and livestock conservation.....	15,056	14,113	667,137	1,822,397	.366	97,131
Professional, technical, and clerical.....	6,799	6,765	519,674	851,331	.610	42,160
Public roads.....	19,144	15,654	1,048,794	1,832,122	.572	1,734,687
Reclamation.....	45,042	43,135	3,030,018	5,484,630	.552	1,004,698
River, harbor, and flood control.....	15,545	14,335	844,692	1,250,632	.675	330,693
Streets and roads.....	4,776	4,363	235,447	512,212	.460	57,878
Water and sewerage.....	695	592	25,592	74,515	.343	19,149
Miscellaneous.....	1,776	1,608	91,054	175,329	.519	13,127

See footnotes at end of table.

TABLE 13.—Employment and Pay Rolls on Projects Financed by The Works Program, October 1937—Continued

[Subject to revision]

Type of project	Wage earners		Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum number employed	Weekly average				
P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds ¹						
All projects.....	² 101,864	\$5,630	\$8,252,933	10,100,280	\$0.817	\$15,681,287
Building construction.....	50,777	42,254	4,416,546	4,626,343	.955	7,383,034
Electrification.....	594	444	39,805	50,726	.785	160,501
Heavy engineering.....	7,232	6,468	693,232	894,026	.775	1,171,713
Reclamation.....	1,106	1,000	116,508	143,341	.813	747,257
River, harbor, and flood control.....	177	147	10,597	23,737	.446	2,723
Streets and roads.....	22,181	18,095	1,321,155	2,267,413	.583	2,306,075
Water and sewerage.....	18,546	15,086	1,545,502	1,967,754	.785	3,237,074
Miscellaneous.....	1,251	936	109,588	126,940	.863	672,010
Projects operated by Works Progress Administration ³						
All projects.....	1,527,604	-----	\$81,486,784	153,731,640	\$0.530	(⁶)
Conservation.....	59,218	-----	2,853,502	5,586,507	.511	-----
Highway, road and street.....	558,323	-----	26,507,208	55,277,042	.480	-----
Housing.....	2,175	-----	126,057	184,982	.681	-----
Professional, technical, and clerical.....	180,761	-----	13,310,956	19,826,944	.671	-----
Public buildings.....	154,803	-----	9,248,276	13,753,556	.672	-----
Publicly owned or operated utilities.....	140,319	-----	7,501,336	13,775,422	.545	-----
Recreational facilities ⁷	131,846	-----	7,682,742	12,756,640	.602	-----
Sanitation and health.....	45,795	-----	2,021,893	4,528,081	.447	-----
Sewing, canning, gardening, etc.....	173,981	-----	7,848,475	19,414,613	.404	-----
Transportation.....	27,863	-----	1,606,813	2,706,444	.591	-----
Not elsewhere classified.....	52,520	-----	2,785,526	5,921,409	.470	-----

¹ Unless otherwise noted data are for the month ending the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

³ These data are for projects under construction in Puerto Rico.

⁴ Includes data for 89,769 employees working on non-Federal projects and 12,095 employees working on low-cost housing projects. These data are included in separate tables covering projects under the jurisdiction of P. W. A.

⁵ Data are for the calendar month. ⁶ Data on a monthly basis are not available. ⁷ Exclusive of buildings.

Statistics on employment, pay rolls, and man-hours worked on National Youth Administration work projects and Student Aid in October are shown in table 14, by type of project.

TABLE 14.—Employment and Pay Rolls on National Youth Administration Projects Financed by The Works Program, October 1937 ¹

[Subject to revision]

Type of program	Number of persons employed	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
Total.....	343,106	\$3,544,264	10,633,151	\$0.333	-----
Work projects.....	121,599	2,117,482	5,626,513	.376	(²)
Student Aid.....	221,507	1,426,782	5,006,638	.285	(³)

¹ These data are for the calendar month. ² No expenditures for materials on this type of project.

³ Data not available on a monthly basis.

MONTHLY TREND

Employment, pay rolls, and man-hours worked on projects financed by The Works Program from the beginning of the program in July 1935 to October 1937, inclusive, are given in table 15.

TABLE 15.—Employment and Pay Rolls, July 1935 to October 1937, Inclusive, on Projects Financed by The Works Program ¹

[Subject to revision]

Month and year	Maximum number ² employed	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Federal projects					
July 1935 to October 1937.....		\$400,201,091	847,802,772	\$0.472	\$252,760,231
July to December 1935.....		34,813,554	77,558,683	.449	34,358,011
January to December 1936 ³		234,065,335	515,733,359	.454	147,745,408
<i>1937</i>					
January.....	328,867	15,652,904	32,064,351	.488	7,595,246
February.....	267,525	13,024,133	27,260,313	.478	6,874,851
March.....	249,690	12,504,895	25,606,281	.487	7,356,372
April.....	254,524	13,432,725	26,680,307	.508	6,901,508
May.....	266,686	14,154,856	27,170,573	.521	7,563,201
June.....	284,893	14,794,640	28,754,978	.515	8,608,759
July.....	262,487	12,799,774	24,371,372	.525	7,041,736
August.....	207,331	12,004,981	21,623,626	.555	6,929,085
September.....	193,114	11,500,978	20,583,498	.559	5,566,224
October.....	192,631	11,452,256	20,335,431	.563	6,219,830
P. W. A. projects financed from E. R. A. A. 1935 and 1936 funds ⁴					
July 1935 to October 1937.....		\$220,034,389	283,545,231	\$0.776	\$404,568,959
July to December 1935 ⁵		1,132,784	1,718,758	.659	2,095,506
January to December 1936 ⁵		123,396,077	163,682,866	.754	229,999,173
<i>1937</i>					
January.....	131,153	9,346,663	11,390,883	.821	16,361,268
February.....	115,214	8,428,606	10,212,726	.825	13,543,480
March.....	113,930	8,254,306	10,147,405	.813	14,486,389
April.....	129,887	9,618,255	12,027,623	.800	18,563,586
May.....	139,561	10,339,137	13,049,326	.792	20,996,436
June.....	141,708	10,960,950	13,655,399	.803	18,813,454
July.....	139,701	10,811,528	13,339,272	.811	18,542,402
August.....	131,547	10,183,970	12,808,735	.795	19,420,304
September.....	114,803	9,309,180	11,411,949	.816	16,065,674
October.....	101,864	8,252,933	10,100,289	.817	15,681,287
Projects operated by Works Progress Administration ⁵					
July 1935 to October 1937.....		\$2,851,337,635	5,979,161,346	\$0.477	\$873,032,808
July to December 1935.....		238,018,075	570,184,607	.417	
January to December 1936.....		1,592,942,964	3,432,621,086	.464	
<i>1937</i>					
January.....	2,243,545	115,065,444	223,245,896	.515	
February.....	2,255,067	116,256,506	230,853,339	.504	
March.....	2,216,499	117,124,860	230,166,494	.509	
April.....	2,201,404	114,004,708	225,291,463	.508	
May.....	2,133,472	112,382,869	217,780,857	.516	
June.....	2,020,218	106,975,172	205,215,318	.521	
July.....	1,802,659	92,967,642	177,161,345	.525	
August.....	1,601,054	82,861,644	159,050,326	.521	
September.....	1,536,029	81,250,907	153,858,375	.528	
October.....	1,527,604	81,486,784	153,731,640	.530	

¹ Unless otherwise noted data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month on Federal and P. W. A. projects by each contractor and Government agency doing force-account work.

³ Revised.

⁴ These data are included in tables covering projects under the jurisdiction of the Public Works Administration. The data for October include 88,769 employees working on non-Federal projects and 12,095 employees working on low-cost housing projects.

⁵ These data are for a calendar month and exclude both work projects and Student Aid of the National Youth Administration which appear in a separate table.

⁶ Data on a monthly basis are not available. Includes rentals and services and some sponsors' contributions.

Table 16 shows the employment, pay rolls, and man-hours worked on work projects of the National Youth Administration from January 1936 to October 1937, inclusive. Similar data for Student Aid are shown from September 1935 to October 1937.

TABLE 16.—Employment and Pay Rolls From Beginning of Program Through October 1937 on National Youth Administration Projects Financed by The Works Program ¹

[Subject to revision]

Month and year	Number of persons employed	Pay-roll disbursements	Number of man-hours worked	Average earnings per hour	Value of material orders placed
Work projects					
January 1936 to October 1937, inclusive.....		\$56,807,196	150,493,302	\$0.377	² \$4,428,737
January to December 1936 ³		28,883,589	75,827,799	.381	
<i>1937</i>					
January ⁴	184,807	3,087,288	8,220,880	.376	
February ⁴	189,298	3,244,612	8,745,281	.371	
March ⁴	191,583	3,225,694	8,727,263	.370	
April ⁴	192,132	3,190,767	8,679,905	.368	
May ⁴	184,556	3,106,114	8,361,816	.371	
June ⁴	172,816	2,920,141	7,794,377	.375	
July ⁴	149,836	2,491,265	6,567,200	.379	
August ⁴	133,111	2,347,639	6,109,319	.384	
September ⁴	127,219	2,192,605	5,832,949	.376	
October.....	121,599	2,117,482	5,626,513	.376	
Student Aid					
September 1935 to October 1937, inclusive.		\$52,301,665	173,872,019	\$0.301	(⁴)
September to December 1935.....		6,363,503	19,612,976	.324	
January to December 1936 ³		25,888,559	85,424,616	.303	
<i>1937</i>					
January ⁴	417,064	2,967,461	10,214,889	.291	
February ⁴	427,306	3,227,243	11,136,339	.290	
March ⁴	440,382	3,315,595	11,452,356	.290	
April ⁴	440,823	3,339,376	11,574,122	.289	
May ⁴	424,117	3,641,520	12,453,598	.292	
June ⁴	240,175	1,992,288	6,441,372	.309	
July ⁴					
August ⁴	35	141	730	.193	
September ⁴	30,879	139,188	555,283	.251	
October.....	221,507	1,426,782	5,000,038	.285	

¹ These data are for a calendar month.

² These data are not available on a monthly basis. Includes rentals and services and some sponsors' contributions.

³ Revised.

⁴ No expenditures for materials on this type of project.

CIVILIAN CONSERVATION CORPS

Statistics concerning employment and pay rolls in the Civilian Conservation Corps in September and October 1937 are presented in table 17. The Civilian Conservation Corps is usually regarded as a part of The Works Program, although it is now financed by a separate appropriation.

TABLE 17.—Employment and Pay Rolls in the Civilian Conservation Corps, September and October 1937 ¹

[Subject to revision]

Group	Number of employees		Amount of pay rolls	
	October	September	October	September
All groups.....	363, 256	289, 167	\$15, 622, 911	² \$14, 950, 550
Enrolled personnel ³	312, 273	238, 627	8, 510, 543	7, 559, 583
Reserve officers.....	6, 224	6, 696	1, 608, 557	1, 775, 997
Nurses ⁴	257	259	27, 319	27, 444
Educational advisers ⁴	1, 723	1, 857	285, 765	310, 468
Supervisory and technical ⁴	42, 779	41, 728	5, 190, 727	² 5, 277, 062

¹ Data on number of employees refer to employment on last day of month. Amounts of pay rolls are for the entire month.

² Revised.

³ October data includes 3,199 enrollees and pay roll of \$70,609; September, 3,095 enrollees and pay roll of \$64,670 outside continental United States.

⁴ Included in executive service, tables 9 and 10.

Employment and pay-roll data for the Civilian Conservation Corps are collected by the Bureau of Labor Statistics from the War Department, the Department of Agriculture, the Department of Commerce, and the Department of the Interior. The monthly pay of the enrolled personnel is \$30 per month. However, assistant leaders, not to exceed 10 percent of the total number of enrollees, may receive up to \$36 per month, and leaders, not to exceed 6 percent, may receive up to \$45 per month.

Monthly statistics of employment and pay rolls in the Civilian Conservation Corps from October 1936 to October 1937, inclusive, are given in table 18.

TABLE 18.—Employment and Pay Rolls in the Civilian Conservation Corps, by Months, October 1936 Through October 1937 ¹

[Subject to revision]

Month	Number of employees	Monthly pay-roll disbursements	Month	Number of employees	Monthly pay-roll disbursements
<i>1936</i>			<i>1937—Continued</i>		
October.....	402, 660	\$17, 292, 812	April.....	369, 309	\$17, 502, 905
November.....	389, 122	18, 232, 391	May.....	348, 905	16, 719, 019
December.....	374, 744	17, 738, 965	June.....	323, 626	16, 085, 832
<i>1937</i>			July.....	348, 779	16, 851, 511
January.....	407, 723	18, 650, 537	August.....	327, 361	16, 380, 024
February.....	394, 521	18, 314, 594	September.....	289, 167	² 14, 950, 554
March.....	307, 337	15, 770, 090	October.....	363, 256	15, 622, 911

¹ Data on number of employees refer to employment on last day of month. Amounts of pay rolls are for entire month.

² Revised.

**CONSTRUCTION PROJECTS FINANCED BY RECONSTRUCTION
FINANCE CORPORATION**

Statistics of employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation in October are presented in table 19, by type of project.

TABLE 19.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, by Type of Project, October 1937 ¹

[Subject to revision]

Type of project	Number of wage earners ²	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
All projects.....	4,261	\$558,419	656,890	\$0.850	\$910,473
Building construction ³	437	32,590	40,128	.812	49,036
Water and sewerage.....	3,704	517,115	604,108	.856	859,093
Miscellaneous.....	120	8,714	12,654	.689	1,444

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor.

³ Includes 78 employees; pay-roll disbursements of \$6,206; 5,689 man-hours worked; and material orders placed during the month amounting to \$4,802 on projects financed by the RFC Mortgage Co.

A monthly summary of employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation from October 1936 to October 1937, inclusive, is given in table 20.

TABLE 20.—Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation, October 1936 Through October 1937 ¹

[Subject to revision]

Month	Number of wage earners ²	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
<i>1936</i>					
October.....	11,143	\$1,229,852	1,670,773	\$0.736	\$2,125,902
November.....	11,002	1,271,583	1,736,251	.732	3,218,674
December.....	19,355	1,237,007	1,697,935	.729	1,488,306
<i>1937</i>					
January.....	9,934	1,117,933	1,521,162	.735	2,538,060
February.....	9,194	1,071,267	1,441,322	.743	1,238,932
March.....	8,873	1,060,411	1,371,966	.773	1,208,724
April.....	8,671	1,106,357	1,385,854	.798	1,071,983
May.....	7,346	950,924	1,174,206	.810	942,696
June.....	5,596	766,705	898,038	.834	927,929
July.....	4,880	654,167	759,161	.862	626,968
August.....	4,789	690,987	769,236	.889	1,673,752
September.....	4,050	541,264	634,777	.853	789,251
October.....	4,261	558,419	656,890	.890	910,473

¹ Includes projects financed by the RFC Mortgage Co. Data are for month ending on the 15th. Data for October 1936 through September 1937 revised.

² Maximum number employed during any 1 week of the month.

CONSTRUCTION PROJECTS FINANCED FROM REGULAR FEDERAL APPROPRIATIONS

Whenever a construction contract is awarded or force-account work is started by a department or agency of the Federal Government, the Bureau of Labor Statistics is immediately notified, on forms supplied by the Bureau, of the name and address of the contractor, the amount of the contract, and the type of work to be performed. Blanks are then mailed by the Bureau to the contractor or Government agency doing the work. These reports are returned to the Bureau and show the number of men on pay rolls, and amounts disbursed for pay, the number of man-hours worked on the project, and the value of the different types of materials for which orders were placed during the month.

The following tables present data concerning construction projects for which contracts have been awarded since July 1, 1934. The Bureau does not have statistics covering projects financed from regular Federal appropriations for which contracts were awarded previous to that date.

Data concerning employment, pay rolls, and man-hours worked on construction projects financed from regular Federal appropriations during October are given in table 21, by type of project.

TABLE 21.—Employment on Construction Projects Financed From Regular Federal Appropriations, by Type of Project, October 1937 ¹

[Subject to revision]

Type of project	Number of wage earners		Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum number employed ²	Weekly average				
All projects.....	³ 218,347	207,986	\$20,911,266	29,940,767	\$0.698	\$24,400,381
Building construction:						
Nonresidential.....	20,804	17,184	1,852,662	2,022,920	.916	3,246,915
Residential.....	87	69	5,910	7,101	.832	14,315
Electrification:						
Rural Electrification Administration projects ⁴	3,815	3,314	242,124	435,456	.556	1,521,441
Other than R. E. A. projects.....	70	55	2,907	5,299	.549	9,557
Forestry.....	239	234	13,348	32,095	.416	3,735
Heavy engineering.....	32	24	2,719	3,110	.874	1,682
Naval vessels.....	42,116	41,371	5,777,511	6,600,528	.875	4,905,069
Public roads ⁵	(6)	92,381	7,310,762	12,386,940	.590	8,911,036
Reclamation.....	13,314	13,111	1,606,708	2,153,943	.746	1,188,381
River, harbor, and flood control:						
Dredging, dikes, revetments, etc.....	29,000	25,227	2,571,667	4,117,084	.625	2,241,706
Locks and dams.....	10,227	9,378	1,105,031	1,497,170	.738	1,922,146
Streets and roads.....	3,844	3,499	248,677	455,911	.545	251,674
Water and sewerage.....	249	207	21,266	29,265	.727	50,609
Miscellaneous.....	2,169	1,932	149,974	193,945	.773	132,055

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

³ Includes weekly average for public roads.

⁴ Financed by Rural Electrification Administration loans.

⁵ Under the jurisdiction of the Bureau of Public Roads.

⁶ Not available; weekly average included in total for all projects.

Employment, pay rolls, and man-hours worked on construction projects financed from regular Federal appropriations from October 1936 to October 1937, inclusive, are shown by months in table 22.

TABLE 22.—Employment on Construction Projects Financed From Regular Federal Appropriations, October 1936 Through October 1937 ¹

[Subject to revision]

Month	Number of wage earners ²	Monthly pay-roll disbursements	Number of man-hours worked during month	Average earnings per hour	Value of material orders placed during month
<i>1936</i>					
October ³	177, 657	\$17, 090, 931	25, 798, 245	\$0. 662	\$19, 555, 738
November ³	171, 555	15, 529, 018	22, 889, 149	. 678	19, 764, 581
December ³	152, 499	14, 290, 708	20, 311, 195	. 704	14, 321, 802
<i>1937</i>					
January.....	119, 853	11, 857, 007	16, 506, 278	. 718	11, 729, 532
February.....	112, 770	10, 904, 648	14, 735, 028	. 740	13, 613, 251
March.....	120, 175	11, 847, 783	16, 280, 905	. 728	12, 820, 438
April.....	132, 639	13, 855, 633	19, 545, 518	. 709	15, 572, 168
May.....	160, 346	15, 278, 529	21, 858, 124	. 699	18, 508, 278
June.....	177, 265	16, 980, 060	24, 532, 459	. 692	19, 574, 335
July.....	193, 695	19, 599, 384	29, 236, 412	. 670	24, 485, 499
August.....	204, 174	19, 571, 849	28, 396, 014	. 689	29, 065, 521
September.....	206, 663	21, 667, 700	31, 476, 926	. 688	31, 993, 137
October.....	218, 347	20, 911, 266	29, 940, 767	. 698	24, 400, 381

¹ Data are for the month ending on the 15th.

² Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.

³ Revised.

STATE-ROADS PROJECTS

A record of employment and pay-roll disbursements in the construction and maintenance of State roads from October 1936 to October 1937, inclusive, is presented in table 23.

TABLE 23.—Employment on Construction and Maintenance of State Roads, October 1936 Through October 1937 ¹

[Subject to revision]

Month	Number of employees working on ² —			Total pay roll
	New roads	Maintenance	Total	
1936				
October.....	34, 136	149, 717	183, 853	\$11, 566, 892
November.....	27, 988	153, 688	181, 676	11, 330, 509
December.....	21, 394	138, 540	159, 934	10, 000, 371
1937				
January.....	15, 622	117, 576	133, 198	8, 387, 804
February.....	11, 706	120, 786	132, 492	8, 560, 561
March.....	11, 802	119, 046	130, 848	8, 333, 600
April.....	13, 164	124, 761	137, 925	9, 108, 030
May.....	17, 241	159, 167	176, 408	10, 850, 394
June.....	19, 382	148, 392	167, 774	11, 069, 510
July.....	25, 140	149, 907	175, 047	11, 998, 370
August.....	28, 379	160, 143	188, 522	12, 815, 790
September.....	26, 632	167, 028	193, 660	12, 843, 370
October.....	27, 280	160, 045	187, 325	12, 134, 860

¹ Excluding employment furnished by projects financed from Public Works Administration and Works Progress Administration funds. Data are for the month ending on the 15th.

² Monthly average.

