

Serial No. R. 1420

UNITED STATES DEPARTMENT OF LABOR

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EMPLOYMENT AND PAY ROLLS

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NOVEMBER 1941

UNITED STATES GOVERNMENT PRINTING OFFICE • WASHINGTON • 1942

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Employment and Pay Rolls

SUMMARY OF REPORTS OF EMPLOYMENT FOR NOVEMBER 1941

Total Nonagricultural Employment

TOTAL civil nonagricultural employment in November (40,711,000) was 3,183,000 greater than in November 1940 and 4,132,000 above the November 1929 level. Employment in mid-November 1941, however, was 66,000 less than in the preceding month, due primarily to seasonal recessions in the manufacturing, transportation, and finance and service groups. The nonagricultural totals do not include the armed forces, C. C. C. enrollees, and workers on W. P. A. or N. Y. A. projects; the armed forces numbered 2,067,000 in the month of November, and other emergency employment totaled 1,878,000.

The decline in manufacturing employment of 53,000 workers from October to November was less than the seasonally expected decline. Employment in the transportation and public-utility group declined by 58,000; in the finance, service, and miscellaneous group by 25,000; and in mining by 4,000. Gains in employment were reported in trade (61,000), contract construction (10,000), and Federal, State, and local Government (3,000).

All major groups showed substantial increases in employment since November 1940, the increase of 1,752,000 in manufacturing industries accounting for the major portion of the total gain over the year interval. In the remaining groups the gains were as follows: Federal, State, and local Government 391,000; trade, 336,000; contract construction, 261,000; transportation and public utilities, 242,000; finance, service, and miscellaneous, 143,000; and mining, 58,000.

The military and naval forces of the nation increased 1,245,000 persons during the past year, while other emergency employment decreased 971,000. The reductions were distributed as follows: W. P. A., 763,000; N. Y. A., 58,000; and C. C. C., 150,000.

Industrial and Business Employment

Employment increases between mid-October and mid-November were reported by 58 of the 157 manufacturing and by 6 of the 16 non-manufacturing industries regularly surveyed by the Bureau of Labor Statistics. Pay-roll increases were reported by 56 of the manufacturing and 6 of the nonmanufacturing industries.

For all manufacturing industries combined the employment recession of 0.5 percent (53,000 wage earners) was coupled with a decline of 1.0 percent (\$2,852,000) in weekly wages. These reductions were considerably smaller than the seasonally expected decreases of 1.6 percent in employment and 3.2 percent in pay rolls. The recessions were due chiefly to seasonal declines in nondurable-goods industries, employment and pay rolls in the durable-goods group showing but slight variation from the levels of the preceding month.

Among the durable-goods industries, substantial employment gains in November were reported by shipbuilding, aircraft, engine, foundry and machine-shop, tin can, machine tool, and machine-tool accessory establishments.

Seasonal curtailments resulted in substantial employment declines in canning and preserving, sawmills, women's clothing, millinery, men's clothing, and boots and shoes. Among industries in which employment reductions resulted from curtailed operations due to material shortages were brass, bronze, and copper products; stoves and stamped and enameled ware; and agricultural implements.

The employment and pay-roll indexes for all manufacturing industries combined were 134.7 and 165.2, respectively, on the basis of 100 for the 3-year base period 1923-25.

Employment in anthracite and bituminous-coal mines showed virtually no change between October and November but pay rolls declined, partly as a result of holidays in the first half of November. Less than seasonal employment reductions were reported by quarries and nonmetallic mines, while employment in metal mines remained at virtually the same level as in the preceding month. Employment in wholesale trade showed a slight contraseasonal gain, chiefly in establishments handling farm products; and in retail trade a greater-than-seasonal increase was reported, despite employment losses experienced by dealers in automobiles, lumber, building material, radios, and household appliances.

Other industries showing reductions in the number of workers were dyeing and cleaning, private building construction, laundries, brokerage, and crude-petroleum production. Telephone and telegraph offices and electric light and power companies reduced their personnel, while insurance companies and street-railway and bus lines reported slight employment increases.

A preliminary report of the Interstate Commerce Commission for class I steam railroads showed an employment decrease of 1.3 percent between October and November, the total number employed in November being 1,202,006. Corresponding pay-roll figures for November were not available when this report was prepared. For October they were \$206,975,986, a gain of \$10,218,250 since September.

Hours and earnings.—The average hours worked per week by

manufacturing wage earners were 40.3 in November, a decline of 2.0 percent since October. Corresponding average hourly earnings were 78.1 cents, a gain of 1.5 percent over the preceding month. The average weekly earnings of factory wage earners (both full- and part-time combined) were \$32.81, a decrease of 0.5 percent since October.

Of the 16 nonmanufacturing industries regularly surveyed, 6 reported increases in average weekly earnings. All of the 14 nonmanufacturing industries for which man-hours are available showed decreases in average hours worked per week and gains in average hourly earnings. Wage-rate increases averaging 8.0 percent and affecting 173,900 wage earners were reported by about 600 manufacturing plants out of a reporting sample of approximately 34,000 plants employing about 7,800,000 wage earners.

As the Bureau's survey does not cover all establishments in an industry and, furthermore, as some firms may have failed to report wage-rate changes, these figures should not be construed as representing the total number of wage changes occurring in manufacturing industries.

Public Employment

In August 1939, the month just preceding the outbreak of the European war, the regular services of the Federal Government (excluding the military) employed 943,000 persons. In November 1941, the month just preceding active participation of the United States in the war, the regular services employed 1,554,000 persons. Of the 611,000 increase, 510,000 were in civilian personnel of the War and Navy Departments alone, while an additional 25,000 were in the Selective Service System and the Office for Emergency Management. During the same period of nonparticipation, the military services increased from 373,000 to 2,067,000 persons.

During November 1941, the Government added 33,400 persons in civilian employment and 52,200 in military and naval. Of the employees in the regular Federal services, 13 percent worked inside the District of Columbia and 13 percent were force-account workers (persons on the pay roll of the United States Government engaged on construction projects and whose period of employment terminates as the project is completed).

In the month ending November 15, employment was also given by the Federal Government indirectly to 1,167,000 building-trades workers who were engaged on construction projects financed from Federal funds. The shift from nondefense to defense construction and the acceleration of defense work were evidenced by the decline in employment on nondefense construction of 23,000 persons, and the increase in employment on defense construction of 97,300 persons. The projects financed from regular Federal appropriations which

showed the largest increases were residential and nonresidential building construction and the construction of naval vessels. Construction projects included, in addition to those financed from regular Federal appropriations, those financed by the United States Housing Authority, the Public Works Administration, and the Reconstruction Finance Corporation. The November pay roll for all construction workers amounted to \$175,350,000.

Employment on work-relief projects of the Work Projects Administration and the Civilian Conservation Corps showed very little increase in the month of November, while the National Youth Administration showed an increase of 83,200 persons. The most important projects of the W. P. A. from the standpoint of employment were

TABLE 1.—*Summary of Employment and Pay Rolls in the Regular Federal Services and on Projects Financed Wholly or Partially from Federal Funds, October and November 1941*¹

[Subject to revision]

Class	Employment			Pay rolls		
	November 1941	October 1941	Percentage change	November 1941	October 1941	Percentage change
Federal services:						
Executive ²	1,545,131	1,511,682	+2.2	\$237,398,486	\$235,855,055	+0.7
Judicial.....	2,582	2,569	+0.5	654,806	653,725	+0.2
Legislative.....	6,202	6,242	-0.6	1,360,645	1,341,587	+1.4
Military.....	2,066,643	2,014,453	+2.6	142,235,606	138,645,087	+2.6
Construction projects:						
Financed from regular Federal appropriations.....	1,105,160	1,023,182	+8.0	167,455,277	155,745,748	+7.5
Defense.....	957,586	857,579	+11.7	148,807,105	135,067,410	+10.2
Other.....	147,574	165,603	-10.9	18,648,172	20,678,338	-9.8
U. S. H. A. low-rent housing.....	35,484	40,820	-13.1	3,981,702	4,552,414	-12.5
Defense.....	9,649	12,091	-20.2	1,149,347	1,341,940	-14.4
Other.....	25,835	28,729	-10.1	2,832,355	3,210,474	-11.8
Financed by P. W. A. ⁴	2,694	4,381	-38.5	322,668	493,829	-34.7
Financed by R. F. C. ⁴	23,590	23,853	-1.1	3,590,705	3,431,600	+4.6
Defense.....	21,530	21,806	-1.3	3,313,032	3,149,994	+5.2
Other.....	2,060	2,047	+0.6	277,673	281,606	-1.4
Work Projects Administration projects.....	1,056,401	1,040,483	+1.5	60,600,000	62,933,276	-3.7
Defense.....	324,107	328,350	-1.3	18,100,000	20,079,987	-9.9
Other.....	732,294	712,133	+2.8	42,500,000	42,853,289	-0.8
National Youth Administration:						
Student work program.....	341,308	273,942	+24.6	2,367,642	1,735,728	+36.4
Out-of-school work program.....	308,825	292,970	+5.4	7,500,523	7,191,030	+4.3
Civilian Conservation Corps.....	171,493	172,706	-0.7	8,242,555	8,465,633	-2.6

¹ For explanation of the employment count and pay-roll period, see footnotes to detailed tables.

² Includes force-account and supervisory and technical employees shown under other classifications to the extent of 224,054 employees and \$34,314,666 pay roll for November, and 207,680 employees and \$33,536,584 pay roll for October.

³ Revised.

⁴ Includes data covering P. W. A. projects financed from Emergency Relief Appropriation Acts, 1935, 1936, 1937 funds, as follows: For November, 1,163 wage earners and \$133,333 pay roll; for October, 1,955 wage earners and \$212,581 pay roll. Also includes data covering P. W. A. projects financed from Public Works Administration Appropriation Act of 1938, as follows: For November, 1,411 wage earners and \$179,507 pay roll; for October, 2,328 wage earners and \$271,550 pay roll. Also includes data for P. W. A. projects financed from National Industrial Recovery Act funds, as follows: For November, 120 wage earners and \$9,828 pay roll; for October, 98 wage earners and \$9,668 pay roll.

⁵ Includes 1,218 employees and \$149,238 pay roll for November and 613 employees and \$95,224 pay roll for October, on projects financed by the RFC Mortgage Co.

highways and streets, community service, and public-buildings projects. All work-relief programs had a personnel in November of 1,878,000 and a pay roll of \$78,711,000.

A summary of employment and pay-roll data in the regular Federal services and on projects financed wholly or partially from Federal funds is given in table 1.

DETAILED TABLES FOR NOVEMBER 1941

Estimates of Nonagricultural Employment

ESTIMATES are given of nonagricultural employment by major groups in table 2. The figures for "Total civil nonagricultural employment" and "Civil employees in nonagricultural establishments" are based on the number of nonagricultural "gainful workers," shown by the 1930 Census of Occupations (less the number who were unemployed for 1 week or more at the time of the census), and on regular reports of employers to the United States Bureau of Labor Statistics and to other Government agencies. The estimates for the individual industry groups are based in large part on industrial censuses and on the above-mentioned regular reports of employers.

Estimates of "Employees in nonagricultural establishments" by States are given in table 3. Because the State figures do not include employees on merchant vessels, and because of certain adjustments in the United States estimates which have not been made on a State basis, the totals of the State estimates will not agree exactly with the figures for the United States as a whole.

TABLE 2.—*Estimates of Total Nonagricultural Employment, by Major Groups*
(In thousands)

Employment group	November 1941 (preliminary)	October 1941	Change, October to November 1941	November 1940	Change, November 1940 to November 1941
Total civil nonagricultural employment ¹	40,711	40,777	-66	37,528	+3,183
Civil employees in nonagricultural establishments ² ..	34,568	34,634	-66	31,385	+3,183
Manufacturing ³	12,746	12,799	-53	10,994	+1,752
Mining	911	915	-4	853	+58
Contract construction ⁴	1,970	1,960	+10	1,709	+261
Transportation and public utilities	3,307	3,365	-58	3,065	+242
Trade ⁵	7,131	7,070	+61	6,795	+336
Finance, service, and miscellaneous ⁶	4,231	4,256	-25	4,088	+143
Federal, State, and local government	4,272	4,269	+3	3,881	+391
Military and naval forces (not included above) ..	2,071	2,014	+57	822	+1,249

¹ Excludes employees on W. P. A. and N. Y. A. projects and employees in C. C. C. camps. Includes proprietors, firm members, self-employed persons, casual workers, and domestic servants. Includes allowance for adjustment of factory and trade totals to preliminary 1939 census figures. Revised series available on request.

² Excludes all of the groups omitted from "Total civil nonagricultural employment" as well as proprietors, firm members, self-employed persons, casual workers, and domestic servants.

³ Adjusted to preliminary 1939 Census of Manufactures.

⁴ Includes employees of construction contractors only. Does not include construction workers employed directly by other industries.

⁵ Retail-trade component adjusted to preliminary 1939 census.

⁶ Revised series—not comparable to figures previously published.

TABLE 3.—Estimated Number of Employees in Nonagricultural Establishments, by States

[Excludes proprietors, firm members, self-employed persons, casual workers, domestic workers, the armed forces of the United States, and employees on merchant vessels]

[In thousands]

Geographic division and State	November 1941 (preliminary)	October 1941	Change October to November 1941		November 1940	Change November 1940 to November 1941	
			Number	Percentage		Number	Percentage
New England.....	2,961	2,973	-12	-0.4	2,666	+295	+11.0
Maine.....	204	210	-6	-2.5	185	+19	+10.6
New Hampshire.....	147	150	-3	-1.7	130	+17	+13.2
Vermont.....	80	80	0	-2	73	+7	+9.6
Massachusetts.....	1,549	1,553	-4	-3	1,410	+149	+9.8
Rhode Island.....	267	269	-2	-7	247	+20	+8.0
Connecticut.....	714	711	+3	+4	621	+93	+14.9
Middle Atlantic.....	8,601	8,628	-27	-3	7,922	+679	+8.6
New York.....	4,232	4,235	-3	-1	3,954	+278	+7.0
New Jersey.....	1,342	1,342	0	(1)	1,193	+149	+12.4
Pennsylvania.....	3,027	3,051	-24	-8	2,775	+252	+9.1
East North Central.....	7,881	7,930	-49	-6	7,107	+774	+10.9
Ohio.....	2,080	2,078	+2	+1	1,840	+240	+13.0
Indiana.....	926	934	-8	-8	816	+110	+13.5
Illinois.....	2,571	2,585	-14	-5	2,311	+260	+11.3
Michigan.....	1,576	1,600	-24	-1.5	1,483	+93	+6.3
Wisconsin.....	728	733	-5	-6	637	+71	+10.8
West North Central.....	2,658	2,659	-1	-1	2,391	+267	+11.2
Minnesota.....	584	590	-6	-9	536	+48	+9.1
Iowa.....	451	449	+2	+3	406	+45	+11.1
Missouri.....	917	908	+9	+1.0	778	+139	+17.9
North Dakota.....	80	80	0	-7	76	+4	+4.9
South Dakota.....	85	86	-1	-1.2	84	+1	+1.1
Nebraska.....	216	219	-3	-1.4	199	+17	+8.4
Kansas.....	325	327	-2	-8	312	+13	+4.1
South Atlantic.....	4,119	4,088	+31	+7	3,706	+413	+11.1
Delaware.....	78	78	0	-1.0	73	+5	+6.3
Maryland.....	623	621	+2	+4	540	+83	+15.2
District of Columbia.....	428	427	+1	+4	364	+64	+17.9
Virginia.....	601	598	+3	+5	525	+76	+14.3
West Virginia.....	414	416	-2	-7	378	+36	+9.5
North Carolina.....	669	675	-6	-9	623	+46	+7.3
South Carolina.....	333	333	0	-1	296	+37	+12.6
Georgia.....	566	556	+10	+1.8	503	+63	+12.5
Florida.....	407	384	+23	+5.9	404	+3	+8
East South Central.....	1,585	1,584	+1	+1	1,414	+171	+12.1
Kentucky.....	404	404	0	(1)	365	+39	+10.6
Tennessee.....	507	508	-1	-2	460	+47	+10.2
Alabama.....	461	455	+6	+1.4	390	+71	+18.2
Mississippi.....	213	217	-4	-1.8	199	+14	+7.2
West South Central.....	2,101	2,072	+29	+1.4	1,967	+134	+6.8
Arkansas.....	215	208	+7	+3.5	190	+25	+13.2
Louisiana.....	420	408	+12	+2.9	435	-15	-3.5
Oklahoma.....	315	315	0	-1	294	+21	+7.0
Texas.....	1,151	1,141	+10	+9	1,048	+103	+9.8
Mountain.....	847	871	-24	-2.8	783	+64	+8.1
Montana.....	119	120	-1	-9	114	+5	+4.3
Idaho.....	92	94	-2	-2.0	87	+5	+6.2
Wyoming.....	58	60	-2	-2.7	52	+6	+10.6
Colorado.....	252	254	-2	-9	224	+28	+12.4
New Mexico.....	76	78	-2	-3.0	71	+5	+6.4
Arizona.....	100	101	-1	-7	90	+10	+11.2
Utah.....	112	126	-14	-10.6	112	0	-6
Nevada.....	38	38	0	+6	33	+5	+13.5
Pacific.....	2,857	2,900	-43	-1.5	2,466	+391	+15.9
Washington.....	503	518	-15	-2.9	435	+68	+15.6
Oregon.....	283	294	-11	-3.7	238	+45	+18.7
California.....	2,071	2,088	-17	-8	1,793	+278	+15.5

¹ Less than 1/10 of 1 percent.

Industrial and Business Employment

Monthly reports on employment and pay rolls are available for 157 manufacturing industries; 16 nonmanufacturing industries, including private building construction; water transportation; and class I steam railroads. The reports for the first 2 of these groups—manufacturing and nonmanufacturing—are based on sample surveys by the Bureau of Labor Statistics. The figures on water transportation are based on estimates prepared by the Maritime Commission and those on class I steam railroads are compiled by the Interstate Commerce Commission.

The employment, pay roll, hours, and earnings figures for manufacturing, mining, laundries, and dyeing and cleaning, cover wage earners only, but the figures for public utilities, brokerage, insurance, and hotels, relate to all employees except corporation officers and executives, while for trade they relate to all employees except corporation officers, executives, and other employees whose duties are mainly supervisory. For crude-petroleum production they cover wage earners and clerical field force. The coverage of the reporting samples for the various nonmanufacturing industries ranges from approximately 25 percent for wholesale and retail trade, dyeing and cleaning, and insurance, to approximately 80 percent for quarrying and non-metallic mining, anthracite mining, and public utilities, and 90 percent for metal mining.

The general manufacturing indexes are computed from reports supplied by representative manufacturing establishments in 90 of the 157 industries surveyed. These reports 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 90 industries covered.

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

The average weekly earnings shown in tables 4 and 5 are computed by dividing the weekly pay rolls in the reporting establishments by the total number of full- and part-time employees reported. As not all reporting establishments supply information on man-hours, average hours worked per week and average hourly earnings are necessarily based on data furnished by a slightly smaller number of reporting firms. Because of variation in the size and composition of the reporting sample the average hours per week, average hourly earnings, and average weekly earnings shown may not be strictly comparable from month to month. The sample, however, is believed to be sufficiently adequate in virtually all instances to indicate the general movement of earnings and hours over the period shown. The changes from

the preceding month, expressed as percentages, are based on identical lists of firms for the 2 months, but the changes from November 1940 are computed from chain indexes based on the month-to-month percentage changes.

EMPLOYMENT AND PAY-ROLL INDEXES, AVERAGE HOURS, AND AVERAGE EARNINGS

The indexes of employment and pay rolls as well as average hours worked per week, average hourly earnings, and average weekly earnings in manufacturing and nonmanufacturing industries in November 1941 are shown in table 4. Percentage changes from October 1941 and November 1940 are also given.

Employment and pay-roll indexes, as well as average hours worked per week, average hourly earnings, and average weekly earnings for September, October, and November 1941, where available, are presented in table 5. The September and October figures, where given, may differ in some instances from those previously published because of revisions necessitated primarily by the inclusion of late reports. Indexes of employment and pay rolls are given in table 6 for 55 additional manufacturing industries for the months of September, October, and November 1941. These indexes are based on 1939 as 100 and are available in mimeographed form for the period from January 1939 to January 1941, inclusive.

In table 7 indexes of employment and pay rolls are given for all manufacturing industries combined, for the durable- and nondurable-goods groups of manufacturing industries, and for each of 13 non-manufacturing industries, by months, from November 1940 to November 1941, inclusive. The chart on page 11 indicates the trend of factory employment and pay rolls from January 1919 to November 1941.

Indexes of factory employment by metropolitan areas and cities of 100,000 population or over according to the 1930 Census of Population are given in table 8 for October and November 1941 and November 1940, together with percentage changes from October to November 1941 and from November 1940 to November 1941.

Use of average hourly earnings in "escalator" clauses.—Average hourly earnings of wage earners, such as those shown in tables 4 and 5, have been compiled regularly by the Bureau of Labor Statistics since 1932. These averages are published for the use of those who wish either to compare the average earnings of wage earners in different industries, or to study the changes in average earnings over a period of time.

Certain characteristics of the average earnings should be indicated. The average of the actual earnings of wage earners as a group may

change from one period to another for either of two reasons: (1) By reason of changes in the wages paid or (2) by reason of changes in the composition of the group of wage earners actually at work in different periods. As an example of the latter cause of change, it is evident that if, from one month to the next, the number of wage earners employed in a high-wage industry increases proportionally more than employment generally has increased, the average of actual earnings for the group as a whole will increase. This increase might take place even though there were no changes whatsoever in the earnings of any wage earner in any one of the establishments. It is apparent, therefore, that the Bureau's averages reflect both changes in the actual hourly rates paid as well as changes in the composition of the wage earners in the group. The averages contained in tables 4 and 5 for all manufacturing, for durable goods, for nondurable goods, and for the various subgroups of industries, such as "iron and steel and their products," reflect both types of influence upon hourly earnings; and they measure the average of the actual earnings of the wage earners actually at work in each respective period.

To an increasing extent, use is being made of these average hourly earnings figures in so-called "escalator" clauses in Government contracts. These are designed to protect contractors from losses that might arise from general wage increases over which they could exercise no control. A number of contracts extending over many months have been written recently with clauses that provide for increased payments to the contractor in case of increases in the average of the hourly earnings in the durable-goods industries.

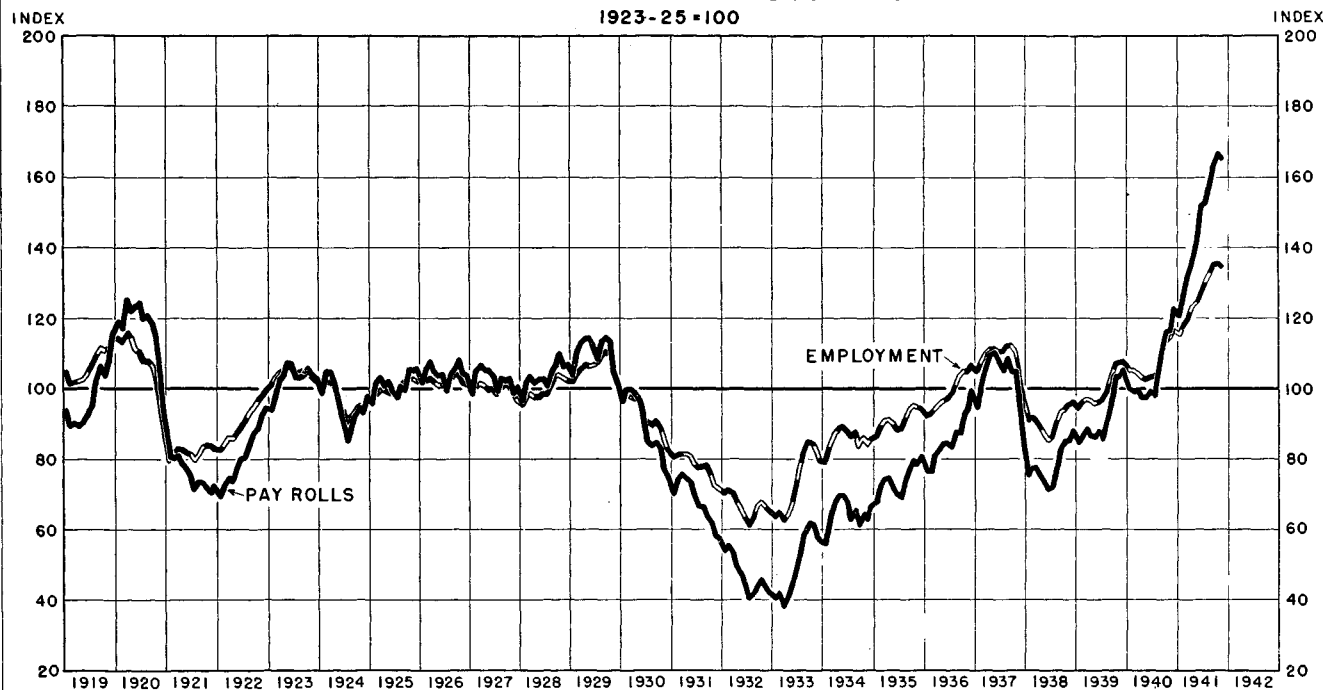
It should be pointed out that the characteristics of the Bureau's average hourly earnings figures, as described above, make it desirable to use these averages for other than their designed purpose with a certain degree of caution. The purpose for which they were compiled limits their usefulness, especially in July and August, as a measure of change in labor rates. In these months the averages usually show a seasonal movement unrelated to rates of pay. For example, the average hourly earnings figure in the durable-goods industries dropped from 73.2 cents in June 1940 to 72.7 cents in July 1940. This drop was due not to a general decline in wages in this period but almost entirely to the fact that employment in the automobile industry declined sharply as the result of model changes. This industry is a high-wage industry in which the average hourly earnings were about 95 cents an hour. Between June and July 1940 employment in the automobile industry dropped from 104.9 to 82.3. This relative decline, of a purely seasonal character, in the number of highly paid automobile workers was very largely responsible for the decline of half a cent noted in the average hourly earnings in durable-goods industries.

By way of illustration of the problem involved it would be possible to construct an index of earnings that was unrelated to changes in the relative occupational composition of the group workers actually at work. For example, giving the averages for the several industries the same weights in July and August 1940 that they had in June 1940 and considering only the influence of changes in average earnings in each industry, we find no change in the rate of earnings from June to July and approximately the same percentage change as is shown by the published figures from July to August. This means that from June 1940 to August 1940, the currently published figures show a slight decline over this 3-month interval whereas the series computed with constant weights shows a small gain.

It is not within the province of the Bureau to indicate the type of average that was contemplated by the contracting parties in the contracts already drawn; least of all can the method of compiling an average be changed. It is obvious, however, that in incorporating any statistical series in legal documents careful consideration should be given to the purpose for which the figures were originally compiled and to their relevance to some new purpose. The officials of the Bureau are at the disposal of all those who wish to apply any of the Bureau's series to administrative problems. Carefully interpreted and applied, these data have a present usefulness far greater than was imagined in the past. Their appropriate adaptation to new uses involves on the one hand a careful consideration by the Bureau of the purposes of the contracting parties; on the other, consultation with the Bureau to discover whether the new figures as they stand meet the purposes in mind.

EMPLOYMENT AND PAY ROLLS ALL MANUFACTURING INDUSTRIES

1923-25 = 100



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

ADJUSTED TO 1939 CENSUS OF MANUFACTURES

TABLE 4.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, November 1941*

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

Industry	Employment			Pay rolls			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	Index No- vem- ber 1941	Percentage change from—		Index No- vem- ber 1941	Percentage change from—		No- vem- ber 1941	Percentage change from—		No- vem- ber 1941	Percentage change from—		No- vem- ber 1941	Percentage change from—	
		Octo- ber 1941	No- vem- ber 1940		Octo- ber 1941	No- vem- ber 1940		Octo- ber 1941	No- vem- ber 1940		Octo- ber 1941	No- vem- ber 1940		Octo- ber 1941	No- vem- ber 1940
All manufacturing ²	134.7	-0.5	+17.4	165.2	-1.0	+41.9	\$32.81	-0.5	+20.8	40.3	-2.0	+4.4	<i>Cents</i> 78.1	+1.5	+15.2
Durable goods ²	144.6	+4	+25.2	190.3	-5	+52.1	37.64	-9	+21.5	41.8	-2.7	+4.0	88.5	+1.5	+18.4
Nondurable goods ²	125.3	-1.4	+10.1	137.2	-1.4	+28.7	26.12	0	+16.9	38.6	-1.3	+4.3	68.8	+1.1	+12.0
<i>Durable goods</i>															
Iron and steel and their products, not including machinery	138.8	-4	+16.3	172.0	-6	+36.7	36.39	-2	+17.6	40.9	-1.6	+2.7	88.6	+1.1	+14.2
Blast furnaces, steel works, and rolling mills	147.8	-1	+16.1	183.2	+1.2	+36.0	39.06	+1.2	+17.2	40.0	+3	+2.6	97.7	+9	+14.2
Bolts, nuts, washers, and rivets	168.7	-7	+31.6	253.4	-8	+56.9	36.08	-1	+19.1	43.0	-2.8	+2.0	83.9	+2.7	+16.8
Cast-iron pipe	98.3	+3	+13.9	117.9	-1.0	+32.2	28.74	-1.3	+16.2	40.8	-1.1	-5	70.2	+1	+16.4
Cutlery (not including silver and plated cutlery) and edge tools	132.5	+7	+18.1	160.7	+1.9	+49.5	31.77	+1.1	+26.7	43.9	-8	+8.5	73.3	+2.5	+16.1
Forgings, iron and steel	114.2	+2	+36.5	179.8	-1.3	+68.3	42.89	-1.4	+23.4	44.8	-3.4	+4.8	95.3	+2.0	+17.4
Hardware	113.4	-1.6	+4.0	148.2	-2.2	+21.2	32.32	-6	+16.4	42.9	-1.1	+5.6	75.4	+5	+10.4
Plumbers' supplies ²	98.1	-1.5	+4.0	106.7	-7.0	+18.0	31.32	-5.6	+13.6	39.7	-5.9	-6	79.6	+3	+14.0
Stamped and enameled ware	224.6	-1.1	+18.1	288.4	-2.6	+37.7	30.18	-1.5	+16.6	40.7	-2.6	+4.2	74.2	+1.1	+11.4
Steam and hot-water heating apparatus and steam fittings	125.1	-2.5	+22.5	150.1	-4.8	+45.2	35.96	-2.4	+18.5	43.4	-3.3	+3.4	83.4	+1.0	+14.5
Stoves	110.1	-3.8	+4.3	115.3	-10.6	+14.4	29.39	-7.1	+9.7	38.9	-7.3	-3.0	75.7	+2	+12.0
Structural and ornamental metalwork ⁴	107.6	-1.6	+24.3	116.3	-8.6	+47.8	34.59	-7.1	+18.9	41.6	-6.0	+4.6	83.9	+1.5	+13.8
Tin cans and other tinware	135.0	+3.7	+34.7	165.9	+5.9	+59.4	27.39	+2.1	+18.3	38.9	-7.3	+5.6	70.7	+10.3	+12.0
Tools (not including edge tools, machine tools, files, and saws)	147.3	+9	+31.7	205.2	+1.4	+64.3	35.58	+5	+24.7	46.8	-6	+7.0	73.1	+1.1	+17.1
Wirework	203.8	-5	+1	280.4	+1.2	+19.3	33.15	+1.7	+19.2	41.9	-1	+1.9	79.	+1.8	+16.6

Machinery, not including transportation equipment.	181.4	+7	+38.3	255.3	-2	+71.0	38.98	-9	+23.6	44.6	-1.9	+6.3	86.8	+1.0	+15.5
Agricultural implements (including tractors).....	167.6	-1.4	+22.6	223.9	-3.3	+59.6	36.72	-1.9	+13.8	40.1	-1.6	+6	91.9	-3	+13.1
Cash registers, adding machines, and calculating machines.....	177.0	+1.2	+32.0	223.2	-4.2	+54.6	39.25	-5.4	+17.2	43.3	-3.5	+7.0	91.5	-1.4	+9.8
Electrical machinery, apparatus, and supplies.....	169.4	+4	+40.5	242.1	-1.1	+67.0	37.16	-1.4	+18.9	43.1	-1.8	+2.9	86.4	+5	+15.4
Engines, turbines, water wheels, and windmills.....	352.5	+3.8	+75.8	676.3	+9.9	+146.1	50.64	+5.8	+40.0	47.4	+6	+10.1	106.7	+5.2	+26.9
Foundry and machine-shop products.....	148.8	+7	+35.2	191.4	-1.7	+67.0	38.00	-2.3	+23.6	44.6	-3.0	+7.6	84.9	+5	+14.3
Machine tools.....	366.9	+1.5	+38.0	590.1	-5	+86.6	45.17	-1.0	+22.2	51.0	-2.0	+6.0	88.6	+1.0	+15.3
Radios and phonographs.....	217.8	-(5)	+36.6	267.2	+2.1	+71.7	30.09	+2.1	+25.5	42.6	+1.6	+8.5	70.6	+6	+16.0
Textile machinery and parts.....	109.0	-1	+31.8	141.1	-8	+76.2	35.71	-7	+33.7	46.2	-1.8	+17.0	76.8	+1.1	+14.3
Typewriters and parts.....	161.8	+7	+23.7	236.3	+1.5	+42.3	35.80	+8	+15.1	47.2	+4	+3.7	75.9	+3	+10.9
Transportation equipment	210.3	+3.5	+44.2	287.8	+2.1	+73.4	42.93	-1.4	+20.2	41.4	-3.7	+3.5	104.2	+2.3	+15.9
Aircraft.....	9,701.5	+5.7	+120.4	13,204.6	+7.3	+163.4	39.81	+1.5	+19.5	44.3	-1.9	-6	90.1	+3.7	+19.3
Automobiles.....	129.7	+6	-1	175.8	-4	+16.9	43.84	-1.0	+16.9	39.3	-3.3	-4	111.6	+2.4	+17.5
Cars, electric and steam-railroad.....	97.2	+4	+57.9	111.7	-2.9	+108.0	36.74	-3.3	+31.8	40.2	-5.6	+5.8	90.7	+2.4	+23.7
Locomotives.....	77.0	+3.1	+89.7	105.8	+2.8	+145.6	42.00	-3	+29.5	44.9	-1.8	+11.7	83.5	+1.6	+16.0
Shipbuilding.....	532.2	+7.6	+160.8	827.1	+2.9	+247.9	45.62	-4.3	+33.4	42.5	-6.2	+10.7	107.6	+1.6	+21.9
Nonferrous metals and their products.	145.7	-1.1	+12.2	181.5	-2.3	+93.1	34.66	-1.2	+14.2	41.6	-2.5	-2	83.1	+1.0	+14.0
Aluminum manufactures.....	243.4	+8	+11.9	364.7	+2.8	+35.0	37.15	+2.0	+20.7	42.5	+4	+2.9	87.4	+1.7	+17.2
Brass, bronze, and copper products.....	191.3	-1.1	+17.8	260.6	-2.6	+29.1	37.71	-1.5	+9.6	42.3	-1.6	-1.8	89.3	+5	+11.9
Clocks and watches and time-recording devices.....	116.1	-1.5	+8.8	155.0	-3.5	+27.4	29.64	-2.0	+17.1	42.1	-3.0	+1.0	70.5	+1.0	+16.0
Jewelry.....	119.8	-1.0	+8.8	115.5	-8.6	+23.1	25.64	-4.7	+13.1	40.0	-7.2	+6	64.7	+2.1	+13.7
Lighting equipment.....	119.6	-3.0	+9.1	124.4	-5	+24.0	32.35	-5.8	+13.7	39.9	-5.8	-3.3	81.0	-1	+17.5
Silverware and plated ware.....	86.5	-8	+8.4	102.2	-7	+23.7	34.40	+1	+14.1	45.2	-1.2	+8	76.4	+1.2	+12.7
Smelting and refining—copper, lead, and zinc.....	100.3	-9	+5.8	120.8	+6	+26.2	33.92	+1.5	+19.3	39.3	-5	+2.4	86.2	+2.0	+16.5
Lumber and allied products.	77.8	-2.4	+4.6	98.5	-6.4	+22.0	24.21	-4.1	+16.7	39.5	-4.7	+2.2	60.2	+4	+14.0
Furniture.....	108.4	+1.0	+11.8	118.8	-1.5	+31.5	26.07	-2.5	+17.7	41.0	-4.2	+2.1	64.0	+2.0	+15.4
Lumber:															
Millwork.....	75.5	-1.6	+6.0	71.0	-5.2	+21.9	26.05	-3.7	+15.0	41.6	-4.4	+1.1	62.5	+8	+14.0
Sawmills.....	66.3	-4.5	+3	70.3	-10.2	+15.4	21.86	-6.0	+14.7	38.1	-5.2	+1.1	57.3	-9	+13.4
Stone, clay, and glass products.	101.5	-6	+14.6	106.1	-3.0	+29.2	28.67	-2.4	+12.7	37.8	-3.4	+5	74.9	+8	+12.3
Brick, tile, and terra cotta.....	76.2	-1.8	+17.6	72.9	-3.8	+35.1	25.11	-2.0	+14.9	38.1	-2.7	+8	65.7	+4	+14.2
Cement.....	82.5	+2	+11.6	91.5	-1.9	+25.5	31.25	-2.1	+12.4	39.7	-2.8	+1.0	78.7	+6	+11.3
Glass.....	133.3	+7	+14.0	169.3	-2.5	+29.4	31.20	-3.2	+13.6	37.1	-4.4	+7	84.3	+1.1	+12.9
Marble, granite, slate, and other products.....	45.5	-2.4	-1.7	34.5	-7.7	+8.2	26.63	-5.5	+10.0	36.8	-5.2	+6.7	72.0	-5	+2.8
Pottery.....	123.6	-3	+20.6	127.9	-2.2	+31.9	26.34	-1.9	+9.4	37.5	-2.5	-1.2	60.9	+6	+11.2

See footnotes at end of table.

TABLE 4.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, November 1941—Continued

MANUFACTURING—Continued

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index No- vember 1941	Percentage change from—		Index No- vember 1941	Percentage change from—		No- vember 1941	Percentage change from—		No. vember 1941	Percentage change from—		No- vember 1941	Percentage change from—	
		Octo- ber 1941	No- vember 1940		Octo- ber 1941	No- vember 1940		Octo- ber 1941	No- vember 1940		Octo- ber 1941	No- vember 1940		Octo- ber 1941	No- vember 1940
Nondurable goods															
Textiles and their products.....	113.2	-1.3	+7.3	118.1	-3.4	+28.1	\$21.60	-2.2	+19.3	37.1	-1.5	+4.0	Cents		
Fabrics.....	105.9	-3	+7.3	118.7	-1.2	+30.7	21.69	-9	+21.8	38.4	-1.0	+3.9	57.9	-0.4	+14.5
Carpets and rugs.....	90.0	-6	+10.3	93.8	+2	+28.4	28.69	+8	+16.4	38.4	-1.6	+5.1	56.7	+1	+17.1
Cotton goods.....	111.4	+3	+13.5	134.9	-6	+46.1	19.69	-1.0	+28.6	39.2	-6	+5.7	74.9	+2.5	+10.7
Cotton smallwares.....	109.1	-1	+25.0	127.9	-1	+46.8	23.04	(9)	+17.4	40.3	-1.6	+3.6	50.4	-4	+21.7
Dyeing and finishing textiles..	133.1	-1.5	+8	132.4	-2.6	+16.7	24.15	-1.1	+15.7	38.6	-1.5	+1.3	57.4	+1.4	+13.4
Hats, fur-felt.....	76.4	-1.8	-6.7	75.9	+1.1	+4.5	27.34	+2.9	+11.9	33.2	+3.1	+1	61.7	+3	+13.7
Hosiery.....	135.0	-2	-6.9	159.5	-7	-4	20.77	-5	+6.9	36.5	-3	+4	82.9	+2	+13.4
Knitted outerwear.....	80.3	-3.0	+9.7	76.9	-3.6	+21.1	19.83	-6	+10.3	37.5	-1.6	+2.1	57.0	-5	+6.2
Knitted underwear.....	88.1	-3	+15.3	97.3	-1.4	+34.2	18.72	-1.1	+16.7	38.6	-1.4	+5.5	51.7	+5	+7.7
Knitted cloth.....	145.8	-3.6	-2.8	139.7	-5.9	+7.9	22.05	-2.5	+10.9	38.4	-2.5	-8	48.1	+(9)	+9.2
Silk and rayon goods.....	61.3	-1.0	-6.0	60.9	-1.1	+16.6	20.78	-1	+24.0	38.0	-1.3	+4.1	56.7	+5	+10.9
Woolen and worsted goods..	109.4	-1	+10.8	124.7	-1.6	+40.3	26.45	-1.4	+26.6	38.2	-2.0	+4.0	54.5	+1.2	+19.5
Wearing apparel.....	124.8	-3.3	+7.4	109.5	-8.1	+22.5	21.36	-5.0	+14.0	34.4	-2.9	+4.2	69.4	+5	+21.8
Clothing, men's.....	121.0	-1.9	+15.5	109.0	-3.3	+42.6	23.08	-1.5	+22.8	34.9	-7	+12.0	60.2	-1.2	+9.9
Clothing, women's.....	164.2	-4.9	-6	125.9	-13.3	+5.3	20.57	-8.9	+6.1	32.8	-5.9	-3.1	66.0	-(9)	+10.3
Corsets and allied garments..	121.2	+8.7	+7.1	148.9	+4.2	+22.9	20.40	-4.2	+14.8	36.7	-5.1	+2.1	59.6	-2.0	+8.8
Men's furnishings.....	130.0	-2.7	+1.7	156.5	-6.2	+12.1	18.03	-3.6	+10.5	36.3	-3.5	-1.9	54.5	+1.8	+13.5
Millinery.....	61.3	-20.6	+6	40.3	-32.4	-1.4	20.09	-14.8	-2.0	26.8	-7.7	-6.1	48.1	+(9)	+12.1
Shirts and collars..	137.0	-1	+13.5	155.5	-6	+40.3	18.14	-5	+23.4	37.6	-7	+6.6	69.8	-6.8	+5.7
Leather and its manufactures..	96.7	-1.8	+11.1	96.9	-3.6	+41.5	23.16	-1.8	+27.3	36.4	-3.3	+10.7	48.5	+6	+15.9
Boots and shoes.....	92.3	-2.6	+9.7	88.3	-5.4	+41.2	21.44	-2.9	+28.9	35.4	-4.3	+11.8	64.1	+1.3	+15.6
Leather.....	97.7	+1.1	+16.5	117.8	+1.2	+42.3	30.40	+1	+22.1	40.3	-4	+6.4	75.3	+6	+15.0

Food and kindred products..	145.7	-4.4	+9.9	167.6	-3.3	+22.4	27.39	+1.2	+11.4	40.2	-1.8	+2.5	69.5	+2.3	+10.0
Baking.....	153.7	-.5	+5.6	159.7	+1.3	+15.5	28.81	+1.8	+9.2	42.0	+(5)	+2.1	68.8	+1.7	+7.4
Beverages.....	290.9	-3.8	+10.6	330.9	-8.0	+16.1	35.49	-4.3	+5.0	38.5	-5.1	+1.6	92.7	+6	+3.3
Butter.....	102.8	+4	+3.5	96.8	+(5)	+17.6	24.87	-.4	+13.6	45.7	-.7	+4.0	53.3	-.3	+9.1
Canning and preserving..	162.2	-25.7	+31.4	172.5	-29.5	+71.3	20.27	-5.0	+30.4	36.4	-9.0	+10.5	56.8	+4.1	+18.7
Confectionery..	110.0	+3.5	+7.4	125.6	+2.9	+25.4	21.96	-.6	+16.6	40.2	-.9	+3.5	54.9	+1	+12.2
Flour.....	78.9	-1.5	-.2	83.0	-6.0	+14.8	28.22	-4.6	+14.9	42.3	-4.2	+6.4	65.7	-.6	+7.8
Ice cream.....	73.0	-6.9	+2.8	66.8	-6.2	+9.6	31.28	+7	+6.8	44.8	+4	+2.5	67.8	-.1	+5.1
Slaughtering and meat packing..	129.7	+3.0	+11.6	153.5	+1.6	+29.0	30.79	-1.3	+15.6	38.8	-2.2	+(5)	79.3	+8	+15.6
Sugar, beet.....	265.4	+8.5	-4.2	308.3	+34.6	+7.1	30.46	+24.0	+11.9	49.0	+32.9	-.5	62.3	-4.7	+12.3
Sugar refining, cane..	97.0	-6.2	+3.7	89.7	-4.5	+7.2	26.20	+1.7	+3.3	38.2	+1.4	-3.4	68.6	+4	+7.0
Tobacco manufactures.....	68.4	+1.6	+2.4	77.1	+2.0	+16.1	20.45	+4	+13.4	38.5	-.4	+4.2	53.2	+9	+9.4
Chewing and smoking tobacco and snuff..	54.8	+1.1	-1.6	71.5	+1.0	+7.5	21.12	-(5)	+9.5	36.5	-.6	+3.8	58.1	+4	+5.8
Cigars and cigarettes..	70.0	+1.5	+2.9	77.6	+2.1	+17.1	20.33	+6	+13.7	38.7	-.4	+3.8	52.7	+1.0	+10.1
Paper and printing.....	126.6	+1	+7.1	137.4	+1.1	+19.1	32.99	+1.0	+11.2	40.4	-(5)	+5.3	84.3	+9	+5.2
Boxes, paper.....	146.7	-(5)	+16.4	193.5	-.5	+34.4	26.40	-.5	+15.3	42.0	-1.6	+3.8	63.2	+1.1	+11.6
Paper and pulp.....	128.6	+4	+11.2	166.7	+9	+34.6	32.02	+5	+21.1	43.3	-.3	+8.6	74.0	+8	+11.5
Printing and publishing:															
Book and job.....	108.1	-(5)	+5.5	104.5	+1.9	+16.1	33.46	+2.0	+9.9	40.3	+8	+5.4	84.3	+1.3	+3.8
Newspapers and periodicals..	118.1	+(5)	+1	116.4	+1.4	+3.6	40.10	+1.4	+3.6	36.1	+5	+1.0	108.6	+6	+3.0
Chemical, petroleum, and coal products..	147.7	-.3	+17.9	194.2	+1.8	+39.3	35.19	+2.1	+18.1	39.9	-.7	+2.7	87.4	+2.7	+14.8
Petroleum refining.....	129.2	+(5)	+7.1	167.8	-.1	+25.9	40.41	-.1	+17.6	36.6	-1.0	+2.9	111.1	+1.2	+14.8
Other than petroleum refining..	152.3	-.3	+20.5	202.3	+2.2	+43.3	33.46	+2.5	+18.9	40.9	-.6	+2.5	80.5	+3.2	+15.8
Chemicals.....	184.9	+8	+24.9	264.6	+1.3	+45.6	38.08	+6	+16.7	40.7	-.5	+6	93.5	+1.1	+16.0
Cottonseed—oil, cake, and meal..	123.0	-8.6	-7.4	132.8	-7.8	+3.1	17.44	+9	+11.3	46.1	-1.8	+1.8	36.8	+3.6	+11.0
Druggists' preparations.....	148.2	+1.8	+27.6	189.2	+3.2	+44.4	28.60	+1.3	+13.0	41.6	-.9	+4.9	65.4	+2.3	+8.1
Explosives.....	101.2	+(10)	+(10)	101.2	+(10)	+(10)	41.60	+3.0	+21.5	44.6	+2.6	+13.8	93.2	+4	+6.9
Fertilizers.....	101.2	-2.3	+10.0	99.1	-3.5	+29.6	18.14	-1.9	+18.2	35.5	-3.6	+4.3	51.1	+1.8	+13.2
Paints and varnishes.....	142.7	-.8	+13.4	171.7	-1.2	+26.5	33.24	-.3	+11.6	40.9	-1.4	+9	81.8	+1.1	+10.9
Rayon and allied products..	323.2	-.6	+2.8	385.8	-.1	+16.4	30.46	+4	+13.3	39.3	+1	+8	77.5	+4	+12.4
Soap.....	96.5	-1.2	+14.2	138.5	-2.6	+38.2	33.82	-1.3	+21.1	40.5	-1.7	+4.0	83.6	+4	+16.4
Rubber products.....	111.5	-.1	+18.1	141.0	+2.1	+38.2	34.36	+2.3	+17.0	39.3	+4	+3.7	87.8	+1.4	+12.9
Rubber boots and shoes.....	81.7	+1.6	+33.9	110.4	+3.2	+67.9	31.08	+1.6	+25.5	41.8	+(9)	+4.3	74.2	+1.6	+20.2
Rubber tires and inner tubes..	86.5	+5	+15.0	117.6	+5.2	+31.1	39.41	+4.6	+13.9	36.9	+3.0	+2.5	107.7	+1.6	+10.5
Rubber goods, other....	190.0	-1.4	+16.6	228.6	-2.5	+40.5	29.28	-1.1	+20.5	40.9	-1.8	+4.5	71.7	+6	+15.0

See footnotes at end of table.

TABLE 4.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, November 1941—Continued*

NONMANUFACTURING

[Indexes are based on 12-month average, 1929=100, except for class I railroads, which are based on 1935-39 as 100]

Industry	Employment			Pay rolls			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	Index November 1941	Percentage change from—		Index November 1941	Percentage change from—		No- vember 1941	Percentage change from—		No- vember 1941	Percentage change from—		No- vember 1941	Percentage change from—	
		October 1941	November 1940		October 1941	November 1940		October 1941	November 1940		October 1941	November 1940		October 1941	November 1940
Coal mining:															
Anthracite ^{11 12} ..	50.2	-0.3	-0.4	41.8	-15.0	+11.0	\$27.38	-14.8	+11.4	27.2	-14.6	+3.9	Cents 100.7	+0.1	+8.7
Bituminous ¹¹ ..	95.5	+3	+6.4	116.5	-5.0	+37.9	32.46	-5.3	+29.5	31.3	-5.2	+10.2	104.2	+4	+16.5
Metalliferous mining ¹² ..	79.3	-5	+9.4	90.3	+2.3	+29.4	35.84	+2.8	+18.3	42.5	-2	+3.0	84.6	+2.9	+14.7
Quarrying and nonmetallic mining ..	52.8	-2.4	+12.0	57.5	-6.4	+36.0	27.68	-4.2	+21.4	42.0	-4.5	+7.3	66.3	+5	+13.0
Crude-petroleum production ¹⁴ ..	61.0	-1.0	-5	62.5	-3.1	+10.0	37.58	-2.1	+10.6	36.9	-4.5	-2.2	98.9	+2.2	+12.1
Public utilities:															
Telephone and telegraph ^{15 16} ..	90.0	-6	+13.6	116.0	-8	+12.4	31.47	-2	-1.1	39.4	-1.0	-1.1	80.4	+9	+1
Electric light and power ^{15 16} ..	93.5	-6	+1.9	114.5	-1.0	+7.2	37.36	-4	+5.2	39.8	-1.9	-5	94.0	+1.2	+5.3
Street railways and busses ^{15 16 17} ..	70.4	+2	+2.5	78.6	+3	+11.9	36.39	+2	+9.2	46.3	-3	+2.3	77.5	+6	+6.7
Trade:															
Wholesale ^{18 19} ..	96.6	+3	+5.2	92.2	+3	+14.2	33.48	0	+8.5	40.8	-1.2	+5	81.8	+9	+7.7
Retail ^{18 19} ..	102.9	+1.9	+6.9	98.1	+8	+12.6	21.78	-1.0	+5.4	41.8	-6	-8	57.8	+3	+6.2
Food ¹⁸ ..	111.8	+1.0	+6.9	109.0	+1.9	+12.7	24.94	+8	+5.5	41.6	-6	-3.2	57.4	+1.4	+8.2
General merchandising ^{18 19} ..	124.5	+7.0	+11.8	110.8	+5.3	+19.8	18.36	+1.6	+7.2	38.7	+7	+1.8	48.1	-9	+5.9
Apparel ¹⁸ ..	98.8	+1.4	+8.0	94.5	+1.5	+13.9	22.22	0	+5.4	37.6	-5	-1.0	59.8	+1.0	+7.2
Furniture ¹⁸ ..	78.4	-2.4	+8	73.9	-10.5	+5.4	29.43	-8.4	+4.7	43.8	-8	-6	71.0	(5)	+4.8
Automotive ¹⁸ ..	86.0	-1.7	+5.0	86.8	+6	+5.5	30.67	+2.3	+5.3	46.4	-5	-2	67.2	+2.9	+6.2
Lumber ¹⁸ ..	81.3	-1.3	+3.6	83.1	-3.8	+15.4	28.33	-2.6	+9.9	41.9	-3.7	+6	68.5	+9	+9.7
Hotels (year-round) ^{11 16 19} ..	96.3	+1	+4.3	93.8	+2.1	+12.2	16.83	+2.0	+7.6	45.0	-6	-1.2	36.5	+1.4	+7.7
Laundries ¹¹ ..	109.0	-2.0	+9.3	101.9	-1.4	+16.9	19.42	+6	+6.9	42.6	-9	+5	45.9	+1.5	+6.4
Dyeing and cleaning ¹¹ ..	117.2	-3.4	+10.5	92.8	-5.7	+19.3	22.01	-2.5	+8.0	42.6	-2.8	+1.6	53.1	+3	+6.2
Brokerage ^{18 19} ..	(10)	-1.3	-9.4	(10)	-8	-4.2	39.92	+5	+5.8	(10)	(10)	(10)	(10)	(10)	(10)
Insurance ¹⁸ ..	(10)	+1	+2.0	(10)	+4	+5.9	37.98	+2	+3.9	(10)	(10)	(10)	(10)	(10)	(10)
Building construction ..	(10)	-2.8	+6.3	(10)	-5.1	+24.4	35.93	-2.4	+17.1	34.6	-3.3	+9.2	103.9	+1.0	+7.2
Water transportation ²¹ ..	77.4	-3	+2.0	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Class I steam railroads ²² ..	117.8	-1.3	+15.2	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)

¹ Mimeographed sheets giving averages by years, 1932 to 1939, inclusive, and by months, January 1938 to August 1940, inclusive, available on request. Average hours and average hourly earnings are computed from data supplied by a smaller number of establishments than average weekly earnings, as not all reporting firms 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 See tables 9, 10, and 11 in the December 1940 issue of "Employment and Pay Rolls" for comparable series back to January 1919 for all manufacturing and back to January 1923 for the durable- and nondurable-goods groups.

³ See table 7 in the April 1941 issue of "Employment and Pay Rolls" for revised figures from January 1940 to March 1941.

⁴ Revisions in the following industries have been made as indicated:

Structural and ornamental metalwork.—August 1941 pay-roll index to 125.2; average hourly and average weekly earnings to 83.7 cents and \$36.92, respectively.

Electrical machinery, apparatus, and supplies.—August 1941 average hourly and weekly earnings to 85.1 cents and \$37.41.

Engines, turbines, water wheels, and windmills.—July and August 1941 employment indexes to 298.3 and 314.7; pay-roll indexes to 507.0 and 546.2; average hourly earnings to 97.7 and 99.6 cents; average weekly earnings to \$45.02 and \$45.94; August average hours to 46.1.

Clothing, men's.—August 1941 pay-roll index to 113.6; average hourly and weekly earnings to 64.4 cents and \$23.59.

⁵ Less than $\frac{1}{10}$ of 1 percent.

⁶ Adjusted on basis of a complete employment survey of the aircraft industry made by the Bureau of Labor Statistics for August 1940. Not comparable with previously published indexes from January 1939 to August 1940, inclusive. Comparable figures for this period given in table 9 of the September 1940 issue of "Employment and Pay Rolls."

⁷ The indexes for "Automobiles" have been adjusted to 1933 census figures, but not to later census figures because of problems involving integrated industries.

⁸ See footnote 7 in table 5 of October 1941 "Employment and Pay Rolls" for revised employment and pay-roll indexes, average hours worked per week, average hourly earnings, and average weekly earnings in "Locomotives," August 1940 to July 1941, inclusive.

⁹ See table 8 in March 1941 "Employment and Pay Rolls" pamphlet for revised figures from January 1935 to February 1941.

¹⁰ Not available.

¹¹ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of pamphlet.

¹² See table 7 of October 1940 "Employment and Pay Rolls" for revised employment and pay-roll indexes, average hours worked per week, average hourly earnings, and average weekly earnings in anthracite mining, February 1940 to September 1940, inclusive.

¹³ See table 7 of February 1941 pamphlet for revised figures for metalliferous mining from January 1938 to January 1941, inclusive.

¹⁴ Does not include well drilling or rig building.

¹⁵ Average weekly earnings, hourly earnings, and hours not comparable with figures published in pamphlets prior to January 1938, as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

¹⁶ Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable to indexes published in pamphlets prior to January 1940 or in Monthly Labor Review prior to April 1940, with the 1 exception, retail furniture, which has been revised, since publication of July 1940 pamphlet, back to January 1937. Comparable series for earlier months available upon request.

¹⁷ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "Electric-railroad and motorbus operation and maintenance."

¹⁸ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of "Employment and Pay Rolls."

¹⁹ Cash payments only; additional value of board, room, and tips not included.

²⁰ See note 18 in table 9 in the July 1941 issue of "Employment and Pay Rolls" for revised average weekly earnings in the brokerage industry from January 1939 to January 1941.

²¹ Based on estimates prepared by the United States Maritime Commission covering employment on steam and motor merchant vessels of 1,000 gross tons or over in deep-sea trades only.

²² Preliminary—Source: Interstate Commerce Commission.

TABLE 5.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries*

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100. For "all manufacturing," "durable goods," "nondurable goods," and "aluminum manufactures," they have been adjusted to preliminary 1939 census figures. The indexes for all other manufacturing groups and industries have been adjusted to 1937 census figures, except as otherwise noted, and are not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request.]

Industry	Employment index			Pay-roll index			Average weekly earnings ¹			Average hours worked per week ¹			Average hourly earnings ¹		
	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941
All manufacturing ¹	134.7	135.4	135.2	165.2	166.8	162.6	\$32.81	\$32.82	\$32.06	40.3	41.1	40.9	Cents 78.1	Cents 77.0	Cents 75.8
Durable goods ²	144.6	144.0	142.1	190.3	191.3	183.3	37.64	37.96	36.82	41.8	42.9	42.3	86.5	85.3	84.3
Nondurable goods ²	125.3	127.1	128.7	137.2	139.2	139.5	26.12	26.10	25.78	38.6	39.1	39.5	68.8	68.0	66.8
<i>Durable goods</i>															
Iron and steel and their products, not including machinery.....	138.8	139.4	140.5	172.0	173.1	170.6	36.39	36.41	35.60	40.9	41.5	40.7	88.6	87.7	87.5
Blast furnaces, steel works, and rolling mills.....	147.8	147.9	148.9	183.2	181.1	178.4	39.06	38.63	37.81	40.0	39.9	38.9	97.7	96.9	97.1
Bolts, nuts, washers and rivets.....	168.7	169.9	170.6	253.4	255.5	246.3	36.08	35.96	34.51	43.0	44.2	42.9	83.9	81.4	80.5
Cast-iron pipe.....	98.3	98.0	97.8	117.9	119.1	115.8	28.74	29.16	28.42	40.8	41.3	41.4	70.2	70.0	68.3
Cutlery (not including silver and plated cutlery) and edge tools.....	132.5	131.6	127.9	160.7	157.7	149.5	31.77	31.55	30.68	43.9	44.5	44.2	73.3	71.7	70.2
Forgings, iron and steel.....	114.2	114.0	112.9	179.8	182.1	175.6	42.89	43.52	42.30	44.8	46.7	45.7	95.3	93.4	92.7
Hardware.....	113.4	115.2	116.0	148.2	151.5	148.7	32.32	32.29	31.35	42.9	43.1	42.1	75.4	74.9	74.4
Plumbers' supplies ³	98.1	99.5	99.4	106.7	114.7	106.3	31.32	33.38	31.04	39.7	42.0	40.5	79.6	79.4	76.6
Stamped and enameled ware.....	224.6	227.2	227.9	288.4	296.2	290.5	30.18	30.48	29.81	40.7	41.7	41.3	74.2	73.2	72.4
Steam and hot-water heating apparatus and steam fittings.....	125.1	128.4	127.4	150.1	157.7	154.9	35.96	37.00	36.64	43.4	44.9	44.8	83.4	82.6	82.0
Stoves.....	110.1	114.4	116.2	115.3	129.0	127.9	29.39	31.70	30.97	38.9	41.9	41.4	75.7	75.8	74.9
Structural and ornamental metalwork ⁴	107.6	109.3	109.5	116.3	127.2	123.6	34.59	37.59	36.51	41.6	44.4	43.3	83.9	85.2	84.6
Tin cans and other tinware.....	135.0	130.1	145.0	165.9	156.6	187.6	27.39	26.95	28.92	38.9	41.9	42.5	70.7	64.3	68.3
Tools (not including edge tools, machine tools, files, and saws).....	147.3	146.0	144.4	205.2	202.2	196.6	35.58	35.30	34.80	46.8	47.0	46.3	76.1	75.1	75.2
Wirework.....	203.8	204.9	208.0	280.4	277.1	272.2	33.15	32.63	31.70	41.9	42.0	41.3	79.3	77.9	76.8

Machinery, not including transportation equipment.	181.4	180.1	178.6	255.3	255.7	248.2	38.98	39.24	38.47	44.6	45.4	45.1	86.8	86.1	85.0
Agricultural implements (including tractors)	167.5	169.9	170.7	223.9	231.6	230.7	36.72	37.46	37.12	40.1	40.7	40.5	91.9	92.3	92.0
Cash registers, adding machines, and calculating machines	177.0	174.9	172.6	223.2	233.1	230.2	39.25	41.45	41.47	43.3	44.9	45.0	91.5	92.7	92.8
Electrical machinery, apparatus, and supplies	169.4	168.8	168.7	242.1	244.7	241.3	37.16	37.78	37.24	43.1	44.0	43.6	86.4	86.0	85.5
Engines, turbines, water wheels, and wind-mills	352.5	339.5	325.0	676.3	615.5	572.9	50.64	47.81	46.62	47.4	47.2	46.5	106.7	101.5	100.5
Foundry and machine-shop products	148.8	147.8	147.0	191.4	194.7	187.8	38.00	38.84	37.77	44.6	46.0	45.4	84.9	84.3	82.9
Machine tools	366.9	361.5	356.8	599.1	596.3	578.2	45.17	45.54	44.74	51.0	52.0	51.4	88.6	87.6	87.1
Radios and phonographs	217.8	217.9	212.5	267.2	261.7	254.4	30.09	29.42	29.25	42.6	41.9	42.1	70.6	70.1	69.7
Textile machinery and parts	109.0	109.2	108.5	141.1	142.3	141.1	35.71	35.92	35.84	46.2	47.0	47.6	76.8	75.9	75.4
Typewriters and parts	161.8	160.7	158.2	236.3	232.8	233.4	35.80	35.52	36.16	47.2	47.0	47.7	75.9	75.6	75.8
Transportation equipment	210.3	203.2	190.9	287.8	282.0	252.6	42.93	43.62	41.72	41.4	43.0	41.7	104.2	101.9	100.3
Aircraft	9,701.5	9,174.8	8,515.7	13,204.6	12,301.6	11,145.8	39.81	39.21	38.19	44.3	45.2	45.6	90.1	86.9	84.5
Automobiles	129.7	128.9	124.1	175.8	176.6	159.3	43.84	44.32	41.72	39.3	40.7	38.7	111.6	109.1	107.9
Cars, electric and steam-railroad	97.2	96.9	95.1	111.7	115.1	101.2	36.74	37.69	33.80	40.2	42.6	38.9	90.7	88.5	86.8
Locomotives	77.0	74.7	72.2	105.8	102.9	98.5	42.00	42.12	41.68	44.9	45.8	45.2	93.5	92.0	92.3
Shipbuilding	532.2	494.6	442.5	827.1	80.34	703.8	45.62	47.84	46.82	42.5	45.4	44.8	107.6	105.9	104.3
Nonferrous metals and their products	145.7	147.3	146.2	181.5	185.7	185.5	34.66	35.09	35.22	41.6	42.7	43.1	83.1	82.2	82.1
Aluminum manufactures	243.4	241.6	243.1	364.7	354.8	354.8	37.15	36.41	36.27	42.5	42.4	42.4	87.4	85.8	85.5
Brass, bronze, and copper products	191.3	193.4	193.5	260.6	267.6	270.8	37.71	38.24	38.65	42.3	43.1	43.8	89.3	89.0	88.7
Clocks and watches and time-recording devices	116.1	117.8	111.3	155.0	160.6	148.8	29.64	30.10	29.54	42.1	43.3	42.7	70.5	69.6	69.2
Jewelry	119.8	121.0	120.1	115.5	122.4	121.4	25.64	27.03	27.04	40.0	43.1	43.6	64.7	63.3	62.5
Lighting equipment	119.6	123.3	118.8	124.4	136.2	138.2	32.35	34.38	36.20	39.9	42.4	43.6	81.0	81.1	83.1
Silverware and plated ware	86.5	87.1	85.8	102.2	102.9	103.7	34.40	34.41	35.10	45.2	45.7	46.4	76.4	75.5	76.3
Smelting and refining—copper, lead, and zinc	100.3	101.2	102.9	120.8	120.1	118.1	33.92	33.38	32.29	39.3	39.5	39.1	86.2	84.5	82.6
Lumber and allied products	77.8	79.7	80.4	86.5	92.4	90.8	24.21	25.20	24.47	39.5	41.5	41.1	60.2	59.8	59.0
Furniture	108.4	107.4	107.6	118.8	120.6	118.0	26.07	26.71	26.03	41.0	42.8	42.3	64.0	62.6	61.7
Lumber:															
Millwork	75.5	76.8	76.4	71.0	74.9	72.9	26.05	26.91	26.17	41.6	43.4	42.8	62.5	61.9	61.1
Sawmills	66.3	69.4	70.4	70.3	78.3	77.5	21.86	23.25	22.72	38.1	40.2	39.7	57.3	57.8	57.2
Stone, clay, and glass products	101.5	102.1	101.8	106.1	109.4	105.4	28.67	29.48	28.28	37.8	39.2	38.2	74.9	74.4	73.6
Brick, tile, and terra cotta	76.2	77.7	79.1	72.9	75.8	76.2	25.11	25.71	25.27	38.1	39.2	38.7	65.7	65.5	65.3
Cement	82.5	82.3	83.8	91.5	93.3	93.5	31.25	32.16	31.64	39.7	41.1	40.2	78.7	78.2	78.7
Glass	133.3	132.4	130.3	169.3	173.7	160.5	31.20	32.16	30.19	37.1	38.6	37.3	84.3	83.6	81.2
Marble, granite, slate, and other products	45.5	46.6	45.9	34.5	37.4	36.8	26.63	28.18	28.06	36.8	38.8	38.5	72.0	72.4	73.1
Pottery	123.6	124.0	121.0	127.9	130.8	124.8	26.34	26.93	26.09	37.5	38.8	37.9	69.9	69.5	69.1

See footnotes at end of table.

TABLE 5.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries—Continued

MANUFACTURING—Continued

Industry	Employment index			Pay-roll index			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941
<i>Nondurable goods</i>													<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Textiles and their products.....	113.2	114.7	115.5	118.1	122.3	123.4	\$21.60	\$21.94	\$21.73	37.1	37.6	38.3	57.9	58.1	58.9
Fabrics.....	105.9	106.2	106.3	118.7	120.1	118.0	21.69	21.81	21.38	38.4	38.8	39.1	56.7	56.6	55.1
Carpets and rugs.....	90.0	90.5	91.0	93.8	93.6	96.6	28.69	28.58	29.33	38.4	39.0	39.9	74.9	73.3	73.6
Cotton goods.....	111.4	111.0	110.2	134.9	135.8	130.2	19.69	19.76	19.12	39.2	39.3	39.6	50.4	50.3	48.3
Cotton small wares.....	109.1	109.2	107.9	127.9	128.1	128.2	23.04	22.91	23.15	40.3	40.9	41.5	57.4	56.3	56.1
Dyeing and finishing textiles..	133.1	135.1	136.0	132.4	135.9	135.7	24.15	24.53	24.14	38.6	39.2	40.0	61.7	61.5	59.7
Hats, fur-felt.....	76.4	77.8	79.2	75.9	75.1	80.4	27.34	26.53	27.87	33.2	32.2	34.4	82.9	82.8	81.0
Hosiery.....	135.0	135.2	136.1	159.5	160.6	151.1	20.77	20.87	19.50	36.5	36.6	35.6	57.0	57.3	54.9
Knitted outerwear.....	80.3	82.8	82.5	76.9	79.8	80.6	19.83	19.92	20.22	37.5	38.1	38.9	51.7	51.4	51.1
Knitted underwear.....	88.1	88.4	88.0	97.3	98.6	95.7	18.72	18.88	18.32	38.6	39.0	39.2	48.1	48.1	46.3
Knitted cloth.....	145.8	151.2	161.1	139.7	148.4	156.6	22.05	22.61	22.31	38.4	39.7	39.9	56.7	56.4	55.1
Silk and rayon goods.....	61.3	61.9	63.2	60.9	61.5	61.5	20.78	20.73	20.16	38.0	38.4	38.0	54.5	53.8	52.9
Woolen and worsted goods..	109.4	109.6	110.5	124.7	126.7	129.2	26.45	26.81	27.13	38.2	39.0	39.7	69.4	68.9	68.5
Wearing apparel.....	124.8	129.0	131.3	109.5	119.1	126.3	21.36	22.30	22.68	34.4	35.4	36.7	60.2	61.0	60.2
Clothing, men's.....	121.0	123.4	123.7	109.0	112.8	114.3	23.08	23.42	23.64	34.9	35.2	36.5	66.0	66.0	64.5
Clothing, women's.....	164.2	172.6	177.5	125.9	145.2	162.4	20.57	22.58	24.54	32.8	34.9	36.5	59.6	60.9	61.6
Corsets and allied garments..	121.2	111.5	122.5	148.9	142.9	150.9	20.40	21.29	20.47	36.7	38.8	38.8	54.5	53.6	52.3
Men's furnishings.....	130.0	133.6	131.5	156.5	166.8	156.5	18.03	18.65	17.75	36.3	37.9	37.4	48.1	48.1	46.0
Millinery.....	61.3	77.2	85.3	40.3	59.6	84.2	20.09	23.57	30.14	26.8	29.1	34.7	69.8	75.0	73.8
Shirts and collars.....	137.0	137.1	136.4	155.5	156.5	146.7	18.14	18.15	17.10	37.6	38.0	37.8	48.5	48.1	45.4
Leather and its manufactures.....	96.7	98.5	98.9	96.9	100.5	101.6	23.16	23.59	23.71	36.4	37.8	38.0	64.1	63.2	63.0
Boots and shoes..	92.3	94.7	95.2	88.3	93.3	95.3	21.44	22.07	22.35	35.4	37.1	37.4	61.0	60.2	60.1
Leather.....	97.7	96.7	97.0	117.8	116.4	114.2	30.40	30.22	29.51	40.3	40.4	40.0	75.3	74.8	74.0

Food and kindred products.....	145.7	152.4	162.7	157.6	162.9	170.1	27.39	27.13	26.56	40.2	40.9	41.6	69.5	67.9	65.7
Baking.....	153.7	154.5	153.5	159.7	157.6	157.4	28.81	28.18	28.32	42.0	41.9	42.0	68.8	67.5	67.4
Beverages.....	290.9	302.6	315.1	350.9	381.3	401.5	35.49	36.92	37.40	38.5	40.6	41.1	92.7	92.2	91.9
Butter.....	102.8	102.4	106.4	96.8	96.8	99.6	24.87	24.74	24.39	45.7	45.9	46.2	53.3	53.4	52.5
Canning and preserving.....	162.2	218.4	321.6	172.5	244.4	359.1	20.27	21.23	21.21	36.4	39.8	42.2	56.8	54.7	51.1
Confectionery.....	110.0	106.3	101.5	125.6	122.0	114.8	21.96	22.16	21.81	40.2	40.6	40.2	54.9	54.7	54.5
Flour.....	78.9	80.1	80.6	83.0	88.3	92.5	28.22	29.66	30.86	42.3	44.3	45.5	65.7	66.1	67.2
Ice cream.....	73.0	78.4	84.3	66.8	71.2	77.2	31.28	30.80	30.98	44.8	44.7	45.3	67.8	67.9	68.4
Slaughtering and meat packing.....	129.7	125.9	123.6	153.5	151.0	145.8	30.79	31.20	30.63	38.8	39.8	39.4	79.3	78.7	78.0
Sugar, beet.....	265.4	244.5	90.5	308.3	229.1	95.2	30.46	24.41	27.41	49.0	36.8	35.7	62.3	65.3	77.4
Sugar refining, cane.....	97.0	103.3	103.7	89.7	93.9	103.3	26.20	25.75	28.22	38.2	37.7	41.5	68.6	68.4	68.0
Tobacco manufactures.....	68.4	67.3	63.9	77.1	75.6	70.4	20.45	20.36	20.00	38.5	38.7	38.3	53.2	52.7	52.5
Chewing and smoking tobacco and snuff.....	54.8	54.3	53.6	71.5	70.8	69.3	21.12	21.14	20.87	36.5	36.7	36.6	58.1	57.9	57.4
Cigars and cigarettes.....	70.0	69.0	65.2	77.6	76.0	70.4	20.33	20.22	19.84	38.7	38.9	38.4	52.7	52.2	51.9
Paper and printing.....	126.6	126.5	124.9	137.4	135.9	133.3	32.99	32.71	32.34	40.4	40.3	40.1	84.3	83.5	83.0
Boxes, paper.....	146.7	146.8	144.7	193.5	194.5	187.9	26.40	26.58	26.06	42.0	42.7	42.3	63.2	62.5	62.0
Paper and pulp.....	128.6	128.2	128.4	166.7	165.2	163.0	32.02	31.73	31.17	43.3	43.4	42.9	74.0	73.1	72.8
Printing and publishing:															
Book and job.....	108.1	108.1	104.8	104.5	102.6	99.3	33.46	33.08	32.82	40.3	39.9	39.9	84.3	83.2	82.9
Newspapers and periodicals.....	118.1	118.1	116.9	116.4	114.8	114.0	40.10	39.42	39.63	36.1	35.8	35.9	108.6	108.2	107.6
Chemical, petroleum, and coal products.....	147.7	148.1	146.4	194.2	190.8	186.7	35.19	34.55	34.12	39.9	40.2	39.9	87.4	85.0	84.5
Petroleum refining.....	129.2	129.2	128.5	167.8	168.0	166.4	40.41	40.33	40.14	36.6	36.9	37.2	111.1	109.7	108.3
Other than petroleum refining.....	152.3	152.7	150.7	202.3	197.9	192.9	33.46	32.63	32.17	40.9	41.1	40.7	80.5	77.9	77.6
Chemicals.....	184.9	183.4	182.4	264.6	261.0	250.9	38.08	37.85	36.53	40.7	41.0	40.8	93.5	92.5	89.7
Cottonseed—oil, cake, and meal.....	123.0	134.6	114.4	132.8	144.0	113.9	17.44	17.28	16.05	46.1	47.0	44.8	36.8	35.8	35.6
Druggists' preparations.....	148.2	145.6	142.9	189.2	183.4	176.1	28.60	28.08	27.44	41.6	41.9	41.0	65.4	63.9	63.0
Explosives.....	(9)	(9)	(9)	(9)	(9)	(9)	41.60	40.38	38.89	44.6	43.5	43.1	93.2	92.8	90.2
Fertilizers.....	101.2	103.6	110.2	99.1	102.7	111.6	18.14	18.45	18.77	35.5	36.8	36.5	51.1	50.1	51.4
Paints and varnishes.....	142.7	144.0	143.9	171.7	173.7	169.9	33.24	33.27	32.56	40.9	41.2	41.3	81.8	80.9	78.9
Rayon and allied products.....	323.2	325.0	327.0	385.8	386.4	374.3	30.46	30.42	29.29	39.3	39.4	39.2	77.5	77.3	74.6
Soap.....	96.5	97.7	98.2	138.5	142.2	139.6	33.82	34.28	33.50	40.5	41.2	41.1	83.6	83.2	81.5
Rubber products.....	111.5	111.6	111.5	141.0	138.1	134.8	34.36	33.54	32.65	39.3	39.1	38.5	87.8	86.5	85.9
Rubber boots and shoes.....	81.7	80.4	77.2	110.4	106.9	104.1	31.08	30.53	31.00	41.8	41.8	42.7	74.2	73.0	72.6
Rubber tires and inner tubes.....	86.5	86.0	86.5	117.6	111.8	107.3	39.41	37.92	36.19	36.9	35.8	34.7	107.7	106.0	104.6
Rubber goods other.....	190.0	192.6	193.2	228.6	234.4	231.6	29.28	29.53	28.99	40.9	41.5	41.2	71.7	71.3	70.8

See footnotes at end of table.

TABLE 5.—*Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries—Continued*

NON-MANUFACTURING

[Indexes are based on 12-month average, 1929=100, except for class I railroads, which are based on 1935-39 as 100]

Industry	Employment index			Pay-roll index			Average weekly earnings			Average hours worked per week			Average hourly earnings		
	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941	November 1941	October 1941	September 1941
Coal mining:													<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Anthracite ^{10 11}	50.2	50.3	50.0	41.8	49.2	49.6	\$27.38	\$32.12	\$32.60	27.2	31.9	33.4	100.7	100.6	98.2
Bituminous ¹⁰	95.5	95.3	94.2	116.5	122.6	115.5	32.46	34.27	32.75	31.3	33.0	31.5	104.2	103.8	103.4
Metalliferous mining ¹²	79.3	79.7	79.4	90.3	88.3	85.9	35.84	34.86	34.04	42.5	42.6	41.6	84.6	82.2	82.1
Quarrying and nonmetallic mining.....	52.8	54.1	54.2	57.5	61.5	60.5	27.68	28.88	28.07	42.0	44.0	43.6	66.3	65.9	64.3
Crude-petroleum production ¹³	61.0	61.6	61.8	62.5	64.4	64.4	37.58	38.39	38.28	36.9	38.7	38.5	98.9	96.8	96.2
Public utilities:															
Telephone and telegraph ^{14 15}	90.0	90.6	90.3	116.0	117.0	117.3	31.47	31.53	31.75	39.4	39.7	40.3	80.4	79.7	79.3
Electric light and power ^{14 15}	93.5	94.1	94.9	114.5	115.7	115.0	37.36	37.50	36.81	39.8	40.6	40.0	94.0	92.9	92.5
Street railways and busses ^{14 15 16}	70.4	70.3	70.3	78.6	78.4	78.1	36.39	36.32	36.20	46.3	46.4	46.4	77.5	77.0	77.1
Trade:															
Wholesale ^{14 17}	96.6	96.3	95.6	92.2	92.0	90.9	33.48	33.48	33.28	40.8	41.3	41.0	81.8	81.2	81.2
Retail ^{14 18}	102.9	101.0	100.0	98.1	97.3	95.8	21.78	22.07	22.11	41.8	42.1	42.4	57.8	57.6	56.8
Food ¹⁵	111.8	110.7	109.7	109.0	107.0	105.8	24.94	24.64	24.80	41.6	41.8	42.5	57.4	56.6	56.0
General merchandising ^{14 15}	124.5	116.4	111.7	116.8	110.9	106.6	18.36	18.69	18.83	38.7	38.4	38.9	48.1	48.5	47.8
Apparel ¹⁵	98.8	97.4	94.9	94.5	93.1	90.3	22.22	22.21	22.19	37.6	37.8	37.8	59.8	59.3	58.7
Furniture ¹⁵	78.4	80.3	79.5	73.9	82.6	77.9	29.43	31.35	30.51	43.8	44.1	44.0	71.0	71.0	71.6
Automotive ¹⁵	86.0	87.5	89.7	86.8	86.3	86.3	30.67	29.67	28.83	46.4	47.2	46.8	67.2	63.7	62.3
Lumber ¹⁵	81.3	82.4	83.4	83.1	86.4	87.1	28.33	29.04	28.84	41.9	43.5	43.0	68.5	67.9	68.2
Hotels (year-round) ^{10 14 15}	96.3	96.2	95.7	93.8	91.9	90.0	16.83	16.50	16.27	45.0	45.3	45.4	36.5	36.0	35.6
Laundries ¹⁰	109.0	111.2	113.0	101.9	103.4	105.2	19.42	19.31	19.33	42.6	42.9	43.3	45.9	45.3	44.9
Dyeing and cleaning ¹⁰	117.2	121.2	121.5	92.8	98.5	99.5	22.01	22.56	22.69	42.6	43.9	44.7	53.1	52.7	51.9
Brokerage ^{14 19 20}	-1.3	-6	-1.2	-8	(21)	-8	39.92	39.72	39.79	(9)	(9)	(9)	(9)	(9)	(9)
Insurance ^{14 19}	+1	-2	-3	+4	+1.4	-6	37.98	37.89	37.25	(9)	(9)	(9)	(9)	(9)	(9)
Building construction ¹⁹	-2.8	-1.3	-1.6	-5.1	-2.8	+1.3	35.93	36.50	37.10	34.6	35.7	36.5	103.9	102.3	101.7
Water transportation ²²	77.4	77.6	78.5	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)
Class I steam railroads ²³	117.8	119.3	118.7	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)

¹ Mimeographed sheets giving averages by years, 1932 to 1939, inclusive, and by months, January 1938 to August 1940, inclusive, available on request. Average hour and average hourly earnings are computed from data supplied by a smaller number of establishments than average weekly earnings, as not all reporting firms 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 See tables 9, 10, and 11 in the December 1940 issue of "Employment and Pay Rolls" for comparable series back to January 1919 for all manufacturing and back to January 1923 for the durable- and nondurable-goods groups.

³ See table 7 in the April 1941 issue of "Employment and Pay Rolls" for revised figures from January 1940 to March 1941.

⁴ Revisions in the following industries have been made as indicated:

Structural and ornamental metalwork.—August 1941 pay-roll index to 125.2; average hourly and average weekly earnings to \$3.7 cents and \$36.92 respectively.

Electrical machinery, apparatus, and supplies.—August 1941 average hourly and weekly earnings to \$5.1 cents and \$37.41.

Engines, turbines, water wheels, and windmills.—July and August 1941 employment indexes to 298.3 and 314.7; pay-roll indexes to 507.0 and 546.2; average hourly earnings to 97.7 and 99.6 cents; average weekly earnings to \$45.02 and \$45.94; August average hours to 46.1.

Clothing, men's.—August 1941 pay-roll index to 113.6; average hourly and weekly earnings to 64.4 cents and \$23.59.

⁵ Adjusted on basis of a complete employment survey of the aircraft industry made by the Bureau of Labor Statistics for August 1940. Not comparable with previously published indexes from January 1939 to August 1940, inclusive. Comparable figures for this period given in table 9 of the September 1940 issue of "Employment and Pay Rolls."

⁶ The indexes for "Automobiles" have been adjusted to 1933 census figures, but not to later census figures because of problems involving integrated industries.

⁷ See footnote 7 in table 5 of October 1941 "Employment and Pay Rolls" for revised employment and pay-roll indexes, average hours worked per week, average hourly earnings, and average weekly earnings in "Locomotives," August 1940 to July 1941, inclusive.

⁸ See table 8 in March 1941 "Employment and Pay Rolls" pamphlet for revised figures from January 1935 to February 1941.

⁹ Not available.

¹⁰ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of pamphlet.

¹¹ See table 7 of October 1940 "Employment and Pay Rolls" for revised employment and pay-roll indexes, average hours worked per week, average hourly earnings, and average weekly earnings in anthracite mining, February 1940 to September 1940, inclusive.

¹² See table 7 of February 1941 pamphlet for revised figures for metalliferous mining from January 1938 to January 1941, inclusive.

¹³ Does not include well drilling or rig building.

¹⁴ Average weekly earnings, hourly earnings, and hours not comparable with figures published in pamphlets prior to January 1938, as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

¹⁵ Retail-trade indexes adjusted to 1935 census and public-utility indexes to 1937 census. Not comparable to indexes published in pamphlets prior to January 1940 or in Monthly Labor Review prior to April 1940, with the 1 exception, retail furniture, which has been revised, since publication of July 1940 pamphlet, back to January 1936. Comparable series for earlier months available upon request.

¹⁶ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "Electric-railroad and motorbus operation and maintenance."

¹⁷ Indexes adjusted to 1933 census. Comparable series in November 1934 and subsequent issues of "Employment and Pay Rolls."

¹⁸ Cash payments only; additional value of board, room, and tips not included.

¹⁹ Indexes of employment and pay rolls are not available; percentage changes from preceding month substituted.

²⁰ See note 18 in table 9 in the July 1941 issue of "Employment and Pay Rolls" for revised average weekly earnings in the brokerage industry from January 1939 to January 1941.

²¹ Less than $\frac{1}{10}$ of 1 percent.

²² Based on estimates prepared by the United States Maritime Commission covering employment on steam and motor merchant vessels of 1,000 gross tons or over in deep-sea trades only.

²³ Preliminary—Source: Interstate Commerce Commission.

TABLE 6.—*Indexes of Employment and Pay Rolls in Fifty-five Additional Manufacturing Industries*

[12-month average 1939=100]

Industry	Employment			Pay rolls		
	No- vember 1941	Octo- ber 1941	Sep- tember 1941	No- vember 1941	Octo- ber 1941	Sep- tember 1941
Iron and steel group:						
Metal doors and shutters..	144.0	148.3	148.0	197.3	219.0	196.9
Firearms.....	(1)	(1)	(1)	(1)	(1)	(1)
Screw-machine products..	209.3	207.9	203.2	294.7	293.8	281.8
Wire drawing.....	138.2	140.3	140.6	174.3	173.1	172.0
Wrought pipe not made in rolling mills.....	152.7	159.6	158.0	194.2	204.4	194.4
Steel barrels, kegs, and drums.....	144.4	147.2	140.4	180.0	190.7	186.6
Machinery group:						
Machine-tool accessories.....	251.1	246.9	241.0	339.1	330.7	323.2
Pumps.....	207.1	203.3	197.7	319.7	312.8	301.8
Refrigerators and refrigerating apparatus.....	105.9	121.4	127.6	116.0	141.5	147.4
Sewing machines.....	136.9	136.8	134.7	215.2	220.3	212.7
Washing machines, wringers, and driers.....	118.8	116.3	126.5	140.6	140.7	142.4
Transportation equipment group:						
Motorcycles, bicycles, and parts.....	169.2	169.4	166.9	210.5	216.6	205.4
Nonferrous metals group:						
Sheet-metal work.....	145.7	149.5	149.3	181.5	189.1	189.8
Smelting and refining of scrap metal.....	148.8	156.5	155.1	181.0	194.4	186.3
Lumber group:						
Caskets and morticians' goods.....	105.0	105.3	104.8	118.8	120.1	117.1
Wood preserving.....	120.0	123.1	124.7	158.5	160.9	158.2
Wood turned and shaped ²	110.8	107.8	112.3	138.9	141.4	137.9
Wooden boxes, other than cigar.....	125.5	127.9	125.3	163.9	170.9	162.0
Mattresses and bed springs.....	123.7	128.8	130.7	138.3	161.7	165.4
Stone, clay, and glass products group:						
Abrasive wheels.....	193.5	193.7	190.8	248.3	257.8	247.5
Asbestos products.....	142.0	144.2	145.9	189.9	195.2	195.7
Lime.....	118.9	121.0	123.2	148.9	161.8	160.8
Gypsum.....	123.1	126.3	128.3	155.3	165.7	171.6
Glass products made from purchased glass.....	146.2	136.7	146.9	177.8	167.9	169.5
Wallboard and plaster, except gypsum.....	140.7	140.8	140.3	165.7	166.3	167.4
Textiles:						
Textile bags.....	114.3	117.7	115.7	127.0	137.3	136.5
Cordage and twine.....	142.9	142.4	138.6	195.3	193.6	186.3
Curtains, draperies, and bedspreads.....	106.0	112.4	114.9	144.6	158.0	172.2
Housefurnishings, other.....	132.9	142.2	145.8	158.9	176.6	178.9
Jute goods, except felt.....	126.6	128.9	116.5	176.2	174.5	155.8
Handkerchiefs.....	106.2	108.6	108.8	138.9	144.5	137.7
Leather group:						
Boot and shoe cut stock and findings.....	102.1	104.9	106.7	121.2	125.8	128.4
Leather gloves and mittens.....	148.4	154.1	148.4	177.5	195.8	191.3
Trunks and suitcases.....	191.9	180.5	171.4	214.0	204.1	187.3
Food group:						
Cereal preparations.....	110.2	116.6	118.4	129.2	128.0	139.5
Condensed and evaporated milk.....	123.5	124.4	124.4	141.8	146.3	144.2
Feeds, prepared.....	114.4	113.7	112.7	133.7	136.5	135.8
Paper and printing group:						
Paper bags.....	129.1	129.3	131.7	159.7	160.7	161.4
Envelopes.....	123.0	123.1	121.7	137.6	136.6	136.9
Paper goods, not elsewhere classified.....	128.7	128.7	130.0	149.2	152.3	151.0
Bookbinding.....	111.8	117.0	116.9	133.5	143.2	148.6
Lithographing.....	108.0	108.3	108.7	116.3	117.9	123.3
Chemical, petroleum, and coal products group:						
Ammunition.....	(1)	(1)	(1)	(1)	(1)	(1)
Compressed and liquefied gases.....	140.8	140.5	139.0	165.6	162.3	154.8
Perfumes and cosmetics.....	123.6	121.8	114.9	141.1	140.5	125.2
Coke-oven products.....	122.6	124.3	124.9	144.9	147.4	146.1
Paving materials.....	109.7	113.6	126.6	132.4	139.2	158.0
Roofing materials.....	129.5	129.6	133.0	162.6	164.9	161.0
Miscellaneous group:						
Chemical fire extinguishers.....	323.4	319.4	326.2	492.6	471.3	483.3
Buttons.....	121.2	121.0	120.2	159.0	156.9	151.5
Instruments—professional, scientific, and commercial.....	222.3	218.1	200.3	287.7	280.2	249.5
Optical goods.....	182.6	177.1	174.3	230.0	215.2	208.5
Photographic apparatus.....	124.8	124.9	126.2	160.6	162.3	159.9
Pianos, organs, and parts.....	130.4	130.7	129.5	163.1	159.6	151.4
Toys, games, and playground equipment.....	133.9	139.7	144.3	153.9	157.8	155.4

¹ Not available.² July and August employment indexes have been revised to 117.2 and 113.6.

TABLE 7.—*Indexes of Employment and Pay Rolls in Selected Manufacturing¹ and Nonmanufacturing² Industries, November 1940 to November 1941*

Industry	1940			1941										
	Av.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Employment														
<i>Manufacturing</i>														
All industries....	107.5	114.7	116.2	115.5	117.8	119.9	122.6	124.9	127.9	130.6	133.1	135.2	135.4	134.7
Durable goods ³	104.3	115.5	117.7	118.3	121.0	123.7	127.7	131.3	135.1	137.6	138.7	142.1	144.0	144.6
Nondurable goods ⁴	110.6	113.8	114.8	112.7	114.7	116.3	117.8	118.8	121.1	123.9	127.7	128.7	127.1	125.3
<i>Nonmanufacturing</i>														
Anthracite mining ⁵	50.7	50.4	50.8	50.3	50.6	50.2	48.7	48.6	49.2	49.3	50.0	50.0	50.3	50.2
Bituminous-coal mining ⁵	88.0	89.8	90.1	90.2	90.6	91.1	23.5	87.9	88.1	90.3	92.6	94.2	95.3	95.5
Metalliferous mining ⁵	69.9	72.5	72.2	72.5	73.4	74.3	77.2	77.1	78.9	79.0	79.9	79.4	79.7	79.3
Quarrying and nonmetallic mining.....	45.3	47.2	45.4	41.7	42.4	44.2	48.2	51.0	51.9	52.7	53.9	54.2	54.1	52.8
Crude-petroleum production.....	62.9	61.3	60.7	60.3	60.4	60.2	60.1	60.3	61.5	62.1	62.2	61.8	61.6	61.0
Telephone and telegraph ⁷	77.9	79.2	79.7	80.4	80.9	81.8	83.2	84.6	86.3	88.3	89.6	90.3	90.6	90.0
Electric light and power ⁷	91.1	91.8	91.3	90.5	90.1	90.3	91.3	92.2	93.5	93.5	95.2	94.9	94.1	93.5
Street railways and buses ⁸	68.5	67.8	68.4	68.3	68.0	68.2	68.3	68.9	69.1	69.5	69.7	70.3	70.3	70.4
Wholesale trade.....	90.4	91.8	92.5	91.2	91.4	91.8	92.4	92.2	93.8	94.2	95.8	95.6	96.3	96.6
Retail trade ⁷	92.3	96.3	108.1	90.5	90.7	92.5	97.8	96.1	97.8	96.7	96.9	100.0	101.0	102.9
Year-round hotels ⁷	92.0	92.3	92.6	92.9	93.9	94.2	95.2	96.3	95.0	94.5	94.5	95.7	96.2	96.3
Laundries ⁷	99.5	99.7	100.3	101.4	101.1	102.5	104.9	108.3	112.0	115.8	114.6	113.0	111.2	109.0
Dyeing and cleaning ⁷	104.7	106.0	103.3	101.0	101.4	104.4	117.2	120.6	122.7	121.7	118.9	121.5	121.2	117.2
Pay rolls														
<i>Manufacturing</i>														
All industries....	105.4	116.4	122.4	120.7	126.8	131.2	134.7	144.1	152.2	152.7	158.1	162.6	166.8	165.2
Durable goods ³	107.8	125.1	131.7	132.0	139.3	144.6	149.9	163.1	173.9	172.2	177.6	183.3	191.3	190.3
Nondurable goods ⁴	102.7	106.6	112.1	108.1	112.9	116.3	117.7	122.9	127.9	130.7	136.3	139.5	139.2	137.2
<i>Nonmanufacturing</i>														
Anthracite mining ⁵	38.5	37.6	42.7	38.5	45.2	42.4	24.3	33.4	51.2	34.8	51.1	49.6	49.2	41.8
Bituminous-coal mining ⁵	81.2	84.5	91.4	87.8	90.8	93.8	15.5	103.4	107.2	105.4	117.3	115.5	122.6	116.5
Metalliferous mining ⁵	66.7	69.8	72.8	70.4	71.8	72.7	78.9	81.5	85.3	79.3	85.4	85.9	88.3	90.3
Quarrying and nonmetallic mining.....	40.5	42.3	42.4	36.9	38.2	40.3	47.0	53.2	55.7	55.5	59.3	60.5	61.5	57.5
Crude-petroleum production.....	58.2	56.8	55.9	55.7	57.3	56.1	57.8	58.6	59.9	61.4	61.5	64.4	64.4	62.5
Telephone and telegraph ⁷	100.2	103.2	103.5	103.9	104.3	106.4	107.3	110.5	113.0	115.7	116.4	117.3	117.0	116.0
Electric light and power ⁷	104.8	106.9	106.0	105.1	105.4	106.1	107.6	109.6	111.4	113.5	115.1	115.0	115.7	114.5
Street railways and buses ⁸	70.4	70.3	73.1	70.7	71.0	72.5	72.0	72.7	76.2	75.8	78.6	78.1	78.4	78.6
Wholesale trade.....	79.0	80.7	83.4	80.5	81.4	82.0	83.4	84.6	88.4	88.0	89.8	90.9	92.0	92.2
Retail trade ⁷	84.2	87.1	97.3	83.7	84.6	86.2	91.7	91.5	95.2	94.0	94.0	95.8	97.3	98.1
Year-round hotels ⁷	82.4	83.6	84.1	84.1	86.1	85.7	87.1	87.9	87.4	88.2	88.2	90.0	91.9	93.8
Laundries ⁷	87.7	87.2	89.2	89.8	89.7	90.9	95.8	98.7	102.5	106.7	104.7	105.2	103.4	101.9
Dyeing and cleaning ⁷	78.2	77.8	75.8	73.3	74.4	77.2	97.8	96.1	98.4	96.4	92.1	99.5	98.5	92.8

¹ 3-year average 1923-25=100—adjusted to Preliminary 1939 Census of Manufactures. See tables 9, 10, and 11 of December 1940 "Employment and Pay Rolls" for comparable figures back to January 1919 for "All manufacturing" and January 1923 for "Durable goods" and "Nondurable goods."

² 12-month average for 1929=100. Comparable indexes for wholesale trade, quarrying, metal mining, and crude-petroleum production are in November 1934 and subsequent issues of "Employment and Pay Rolls" or in February 1935 and subsequent issues of Monthly Labor Review. For other nonmanufacturing indexes see notes 5, 6, and 7.

³ Includes: Iron and steel, machinery, transportation equipment, nonferrous metals, lumber and allied products, and stone, clay, and glass products.

⁴ Includes: 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.

⁵ Indexes have been adjusted to the 1935 census. Comparable series from January 1929 forward are presented in January 1938 and subsequent issues of this pamphlet. See also table 7 of October 1940 pamphlet for revised figures for anthracite mining, February to September 1940.

⁶ See table 7 of February 1941 pamphlet for revised indexes January 1938 to January 1941.

⁷ Retail-trade indexes adjusted to 1935 census and public utility indexes to 1937 census. Not comparable with indexes published in "Employment and Pay Rolls" pamphlets prior to January 1940 or in "Monthly Labor Review" prior to April 1940. Comparable series January 1929 to December 1939 available in mimeographed form.

⁸ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

TABLE 8.—*Indexes of Employment in Manufacturing Industries, by Metropolitan Area*

[12-months average 1937=100]

Metropolitan area	Employment index		Percentage change, October to November 1941	Employment index November 1940	Percentage change, November 1940 to November 1941
	November 1941	October 1941			
Akron, Ohio.....	113.9	115.5	-1.4	91.0	+25.2
Albany, N. Y.....	115.9	115.0	+ .8	93.1	+24.5
Atlanta, Ga.....	109.7	114.1	-3.9	102.6	+6.9
Baltimore, Md.....	164.5	161.6	+1.8	121.6	+35.3
Birmingham, Ala.....	131.3	131.6	-.2	118.2	+11.1
Boston, Mass. ¹	142.7	141.7	+ .7	111.8	+27.6
Cambridge, Mass.....	111.9	110.3	+1.5	90.6	+23.5
Lynn, Mass.....	181.4	180.1	+ .7	110.4	+64.3
Somerville, Mass.....	102.3	96.9	+5.6	106.7	-4.1
Boston, city and outside ¹	143.8	143.1	+ .5	114.5	+25.6
Bridgeport, Conn.....	159.8	159.5	+ .2	115.3	+38.6
Buffalo, N. Y.....	140.7	143.7	-2.1	117.2	+20.1
Canton, Ohio.....	143.6	144.0	-.3	111.0	+29.4
Chattanooga, Tenn.....	121.5	117.2	+3.7	105.9	+14.7
Chicago, Ill.....	132.8	132.2	+ .5	107.1	+24.0
Gary, Ind.....	118.9	120.9	-1.7	117.8	+ .9
Chicago, city and outside.....	133.6	132.8	+ .6	108.5	+25.4
Cincinnati, Ohio.....	124.7	124.6	+ .1	100.6	+24.0
Cleveland, Ohio.....	136.3	134.6	+1.3	108.5	+25.6
Columbus, Ohio.....	135.6	133.0	+2.0	105.7	+28.3
Dallas, Tex.....	152.4	150.5	+1.3	113.3	+34.5
Dayton, Ohio.....	106.7	109.8	-2.8	93.2	+14.5
Denver, Colo.....	147.1	134.3	+9.5	96.7	+52.1
Des Moines, Iowa.....	112.6	109.7	+2.6	104.1	+8.2
Detroit, Mich.....	93.5	93.8	-.3	92.9	+ .5
Duluth, Minn.....	85.9	85.6	+ .4	69.6	+23.4
El Paso, Tex.....	98.1	92.1	+6.5	91.1	+7.7
Erie, Pa.....	144.6	145.9	-.9	111.1	+30.2
Evansville, Ind.....	29.8	30.9	-12.2	87.3	-8.6
Flint, Mich.....	93.6	93.0	+ .6	92.2	+1.5
Fort Wayne, Ind.....	118.5	116.7	+1.5	86.5	+37.0
Fort Worth, Tex.....	113.4	116.8	-2.9	93.9	+20.8
Grand Rapids, Mich. ²	120.0	122.5	-2.0	131.6	-8.8
Hartford, Conn.....	150.2	150.2	0	116.1	+29.4
Houston, Tex.....	132.3	125.5	+5.4	99.4	+33.1
Indianapolis, Ind.....	141.9	143.2	-.9	114.3	+24.1
Jacksonville, Fla.....	150.0	148.0	+1.4	118.4	+26.7
Kansas City, Mo.....	120.6	117.8	+2.4	100.6	+19.9
Kansas City, Kans.....	106.8	109.1	-2.1	94.7	+12.8
Kansas City, Mo., and outside.....	125.9	121.0	+4.0	102.8	+22.5
Knoxville, Tenn.....	120.9	121.9	-.8	98.6	+22.6
Los Angeles, Calif. ²	204.8	200.1	+2.3	135.4	+51.3
Long Beach, Calif. ²	327.8	277.1	+18.3	99.2	+230.4
Los Angeles, city and outside.....	201.4	198.0	+1.7	136.4	+47.7
Louisville, Ky.....	120.0	119.1	+ .8	104.2	+15.2
Lowell, Mass.....	104.8	106.0	-1.1	100.3	+4.5
Memphis, Tenn.....	115.2	118.0	-2.4	107.3	+7.4
Miami, Fla.....	129.4	122.8	+5.4	108.4	+19.4
Milwaukee, Wis.....	119.9	120.5	-.5	96.7	+24.0

See footnotes at end of table.

TABLE 8.—*Indexes of Employment in Manufacturing Industries by Metropolitan Area—Continued*

Metropolitan area	Employment index		Percentage change, October to November 1941	Employment index November 1940	Percentage change, November 1940 to November 1941
	November 1941	October 1941			
Minneapolis-St. Paul.....	121.9	122.0	-0.1	102.2	+19.3
St. Paul, Minn.....	122.8	126.3	-2.8	111.4	+10.2
Minneapolis, city and outside..	121.4	119.7	+1.4	97.4	+24.6
Nashville, Tenn.....	110.9	109.7	+1.1	94.4	+17.5
New Haven, Conn.....	143.2	143.1	+1	115.7	+23.8
New Orleans, La. ²	144.5	136.4	+5.9	96.7	+49.4
New York and northeastern New Jersey ¹ ..	136.3	135.9	+3	114.4	+19.1
Newark, N. J.....	136.0	137.4	-1.0	114.3	+19.0
Jersey City, N. J.....	121.6	120.6	+8	100.8	+20.6
Paterson, N. J.....	157.3	155.1	+1.4	129.7	+21.3
Elizabeth, N. J.....	135.3	134.8	+4	107.7	+25.6
Yonkers, N. Y.....	119.0	119.2	-2	101.2	+17.6
New York City and outside ¹ ..	136.4	135.9	+4	114.7	+18.9
Norfolk, Va. ¹	241.7	220.5	+9.6	164.0	+47.4
Oklahoma City, Okla.....	123.9	123.4	+4	103.3	+19.9
Omaha, Nebr.....	110.8	110.2	+5	95.1	+16.5
Peoria, Ill.....	115.0	116.3	-1.1	95.1	+20.9
Philadelphia, Pa. ¹	124.8	125.8	-8	105.5	+18.3
Camden, N. J.....	163.3	160.2	+1.9	124.1	+31.6
Philadelphia, city and outside ¹ ..	121.7	123.1	-1.1	104.0	+17.0
Pittsburgh, Pa.....	126.8	127.4	-5	105.5	+20.2
Portland, Ore. ²	161.7	174.1	-7.1	101.8	+58.8
Providence, R. I.....	124.7	125.9	-1.0	109.1	+14.3
Fall River, Mass.....	110.0	109.9	+1	108.8	+1.1
New Bedford, Mass.....	104.1	103.5	+6	86.2	+20.8
Providence, city and outside ¹ ..	132.6	134.5	-1.4	114.6	+15.7
Reading, Pa.....	76.9	76.9	0	71.8	+7.1
Richmond, Va.....	114.9	113.2	+1.5	110.5	+4.0
Rochester, N. Y.....	125.7	125.9	-2	99.1	+26.8
St. Louis, Mo.....	120.0	121.7	-1.4	100.4	+19.5
Salt Lake City, Utah.....	100.8	99.5	+1.3	93.4	+7.9
San Antonio, Tex.....	117.3	120.4	-2.6	104.2	+12.6
San Diego, Calif.....	467.5	449.6	+4.0	255.1	+83.3
San Francisco, Calif. ¹	151.9	148.7	+2.2	104.8	+44.9
Oakland, Calif.....	108.0	119.1	-9.3	94.5	+14.3
San Francisco, city and outside ¹ ..	162.2	155.7	+4.2	107.2	+51.3
Scranton, Pa.....	91.8	92.6	-9	92.2	-4
Seattle, Wash.....	215.2	209.7	+2.6	116.9	+84.1
South Bend, Ind.....	148.9	139.0	+7.1	116.7	+27.6
Spokane, Wash.....	104.4	109.5	-4.7	99.2	+5.2
Springfield, Mass. ¹	134.6	133.9	+5	103.7	+29.8
Syracuse, N. Y.....	137.6	138.6	-7	114.4	+20.3
Tacoma, Wash.....	123.6	126.5	-2.3	90.3	+36.9
Tampa, Fla.....	138.8	135.4	+2.5	123.3	+12.6
Toledo, Ohio.....	100.5	99.6	+9	90.6	+10.9
Trenton, N. J.....	134.6	139.6	-3.6	127.7	+5.4
Tulsa, Okla.....	124.2	124.0	+2	94.6	+31.3
Utica, N. Y.....	140.7	139.4	+9	112.8	+24.7
Washington, D. C. ¹	174.2	162.9	+6.9	124.1	+40.4
Wichita, Kans.....	271.9	277.9	-2.2	154.7	+75.8
Wilmington, Del.....	132.9	132.2	+5	103.0	+29.0
Worcester, Mass.....	122.5	121.8	+6	104.0	+17.8
Youngstown, Ohio.....	112.1	113.4	-1.1	97.5	+15.0

¹ Includes employment in Government navy yards and arsenals.² Previously published indexes for 1941 have been revised as follows: Grand Rapids—September 130.8; Los Angeles metropolitan area—March 147.7, April 154.2, May 162.1, June 167.6, July 176.1, August 182.7, September 188.7; Long Beach—March 106.1, April 124.7, May 151.4, June 172.5, July 190.2, August 218.2, September 243.8; New Orleans—July 132.5, August 133.1, September 139.9; Portland—September, 166.7.

WAGE-RATE CHANGES IN UNITED STATES INDUSTRIES

The following table gives information concerning wage-rate adjustments occurring during the month ending November 15, 1941, as shown by reports received from manufacturing and nonmanufacturing establishments which supply employment data to the Bureau of Labor Statistics.

As the Bureau's survey does not cover all establishments in an industry and furthermore, as some firms may have failed to report wage-rate changes, these figures should not be construed as representing the total number of wage changes occurring in manufacturing and nonmanufacturing industries.

TABLE 9.—*Wage-Rate Changes Reported by Manufacturing and Nonmanufacturing Establishments During Month Ending November 15, 1941*^{1 2}

Group and industry	Establishments		Employees		Average percent- age change in wage rates of employ- ees hav- ing in- creases
	Total num- ber covered	Number report- ing in- creases	Total number covered	Number report- ing in- creases	
All manufacturing.	33, 678	630	7, 801, 794	173, 900	8. 0
Durable goods.....	12, 631	322	4, 352, 342	98, 086	9. 1
Nondurable goods.....	21, 047	308	3, 448, 452	75, 814	6. 5
Iron and steel and their products, not including machinery.	2, 575	48	1, 115, 536	14, 665	6. 9
Blast furnaces, steel works, and rolling mills..	307	7	563, 289	7, 984	6. 2
Forgings, iron and steel..	97	3	20, 320	316	6. 3
Hardware.....	154	3	49, 319	769	7. 3
Plumbers' supplies.....	108	4	27, 184	329	6. 9
Stamped and enameled ware.....	246	6	50, 304	675	15. 2
Tools (not including edge tools, machine tools, files, and saws).....	132	3	21, 879	347	5. 9
Wirework.....	173	6	28, 894	964	6. 1
Screw-machine products..	83	4	22, 119	217	9. 5
Machinery, not including transportation equipment.	3, 857	94	1, 280, 687	25, 582	6. 8
Electrical machinery, apparatus, and supplies..	610	10	340, 180	3, 113	7. 7
Foundry and machine-shop products..	2, 257	55	413, 322	11, 852	8. 0
Machine tools.....	200	11	100, 432	1, 435	5. 1
Textile machinery and parts..	123	5	24, 692	3, 337	9. 8
Machine-tool accessories..	110	3	19, 726	516	12. 4
Transportation equipment.....	855	16	1, 128, 608	30, 614	12. 1
Aircraft.....	119	4	280, 505	24, 664	12. 8
Automobiles..	402	8	482, 746	4, 472	8. 9
Nonferrous metals and their products.	1, 095	29	258, 644	7, 687	8. 3
Brass, bronze, and copper products.....	352	5	101, 066	201	6. 5
Smelting and refining—copper, lead, and zinc..	57	14	32, 896	6, 294	8. 5
Sheet-metal work..	137	3	7, 328	236	10. 6
Lumber and allied products.....	2, 697	105	353, 789	16, 869	9. 8
Furniture.....	723	25	118, 987	4, 387	8. 9
Lumber:					
Millwork..	546	13	41, 043	2, 617	8. 2
Sawmills.....	671	33	126, 447	4, 379	11. 3
Caskets and morticians' goods..	102	5	6, 049	98	8. 0
Wood, turned and shaped.....	88	7	7, 013	678	7. 9
Wooden boxes, other than cigar..	129	13	12, 971	2, 496	9. 5
Stone, clay, and glass products.	1, 552	30	237, 078	2, 659	8. 7
Brick, tile, and terra cotta..	518	8	48, 599	406	8. 5
Glass.....	150	4	76, 450	1, 095	10. 8
Marble, granite, slate, and other products..	245	9	6, 196	167	3. 4

See footnotes at end of table.

TABLE 9.—*Wage-Rate Changes Reported by Manufacturing and Nonmanufacturing Establishments During Month Ending November 15, 1941*^{1 2}—Continued

Group and industry	Establishments		Employees		Average percent- age change in wage rates of employ- ees hav- ing in- creases
	Total num- ber covered	Number report- ing in- creases	Total num- ber covered	Number report- ing in- creases	
Textiles and their products	6,831	91	1,426,236	49,004	5.9
Fabrics.....	3,689	84	1,067,592	48,565	5.8
Cotton goods.....	792	38	438,471	38,691	5.5
Cotton smallwares.....	129	5	16,223	979	10.0
Dyeing and finishing textiles.....	221	4	58,525	1,082	5.5
Hosiery.....	483	7	113,682	1,049	8.2
Silk and rayon goods.....	470	6	74,488	2,461	7.1
Woolen and worsted goods.....	412	6	169,723	1,661	6.4
Cordage and twine.....	58	3	14,924	239	2.4
Wearing apparel.....	3,142	7	358,644	439	16.0
Clothing, men's.....	1,133	5	156,415	146	17.7
Leather and its manufactures	1,141	20	246,048	2,158	7.0
Boots and shoes.....	507	8	169,018	1,153	6.9
Leather.....	171	6	40,257	671	7.4
Boot and shoe cut stock and findings.....	123	5	9,744	147	11.3
Food and kindred products	5,258	55	589,531	6,815	9.8
Baking.....	1,011	16	82,468	2,341	10.2
Canning and preserving.....	1,069	3	102,493	490	14.3
Confectionery.....	277	5	47,027	1,027	10.3
Slaughtering and meat packing.....	316	9	130,004	980	5.8
Feeds, prepared.....	104	3	4,041	39	14.1
Paper and printing	3,948	67	415,888	6,923	7.0
Boxes, paper.....	655	10	54,696	801	9.4
Paper and pulp.....	437	17	143,389	4,434	7.2
Printing and publishing:					
Book and job.....	1,525	20	83,034	619	5.4
Newspapers and periodicals.....	725	16	64,935	977	5.5
Chemical, petroleum, and coal products	2,281	56	396,403	8,033	6.2
Chemicals.....	236	8	81,544	789	6.2
Druggists' preparations.....	90	3	16,064	122	5.8
Explosives.....	43	3	22,406	357	11.3
Paints and varnishes.....	505	12	24,549	1,085	8.1
Petroleum refining.....	179	7	77,118	665	7.5
Soap.....	83	5	17,408	1,174	7.0
Compressed and liquefied gases.....	76	4	2,653	84	4.6
Rubber products	265	6	146,443	1,792	9.1
Miscellaneous	1,095	11	203,209	881	5.7
Instruments—professional, scientific, and commercial.....	68	4	31,280	102	10.0
All nonmanufacturing (except building construction)	\$ 92,970	667	\$ 1,183,000	53,605	6.7
Coal mining: Bituminous.....	\$ 1,100	7	263,200	554	5.9
Metalliferous mining.....	\$ 390	20	79,600	9,034	4.8
Quarrying and nonmetallic mining.....	\$ 1,090	13	42,900	933	6.4
Crude-petroleum production.....	\$ 480	16	40,100	2,293	5.6
Public utilities:					
Natural gas.....	\$ 690	3	27,600	936	5.1
Electric light and power.....	\$ 2,760	67	244,100	18,260	7.3
Manufactured gas.....	\$ 160	3	34,300	782	7.0
Street railways and busses.....	\$ 350	9	134,400	3,249	7.8
Wholesale trade.....	\$ 15,130	186	364,300	5,047	6.4
Retail trade.....	\$ 52,890	324	1,134,900	11,144	6.6
Hotels (year-round).....	\$ 1,930	6	145,800	147	10.1
Laundries.....	\$ 1,270	9	86,700	1,002	11.9
Dyeing and cleaning.....	\$ 840	3	18,900	198	8.7

¹ Figures are not given for some industries to avoid disclosure of information concerning individual establishments. They are, however, included where practicable in "all manufacturing," and in the various industry groups.

² No decreases reported.

³ Approximate—based on previous month's sample.

Public Employment

The detailed tables presented below showing public employment and pay rolls, may be grouped into four main categories: (1) Regular Federal services, table 10; (2) construction projects financed from Federal funds, tables 11-14; (3) work-relief programs of the Federal Government, tables 15-18; and (4) State road projects, table 19.

REGULAR FEDERAL SERVICES

Table 10 covers all persons in the executive service who are employed directly by the Federal Government. It includes civilian employees of the War and Navy Departments as well as employees of the national defense agencies, but excludes the uniformed personnel of the Army, Navy, Coast Guard, and Marine Corps. Data for the legislative, judicial, and military branches are shown in table 1 on page 4.

Force-account employees of the Federal Government, that is, persons on the pay roll of the United States Government engaged on construction work whose period of employment terminates as the project is completed, are included in table 10, and also in tables 11 and 13 under the type of construction project. Nurses, educational advisers, and supervisory and technical employees of the Civilian Conservation Corps are also included in table 10 as well as table 18.

Data for the legislative, judicial, and force-account employees and for the military and naval personnel are reported to the Bureau of Labor Statistics by the respective offices, and data for the executive service employees are reported through the Civil Service Commission.

CONSTRUCTION PROJECTS

With the exception of the force-account employees, all employees shown in tables 11 through 14 are not hired directly by the Federal Government but by contractors and subcontractors engaged in construction work financed wholly or partially from Federal funds. The force-account employees who are included in tables 11 and 13 also appear in table 10.

Data on the employment, pay rolls, man-hours worked, hourly earnings, and material orders placed on construction projects financed from Federal funds are reported monthly to the Bureau of Labor Statistics by the various contractors and subcontractors.

WORK-RELIEF PROJECTS

Tables 15 through 18 present employment and pay-roll data for the work-relief programs of the Work Projects Administration, National Youth Administration, and the Civilian Conservation Corps. The data are reported monthly to the Bureau of Labor Statistics by the respective agencies. The nurses, educational advisers, and supervisory and technical employees of the Civilian Conservation Corps, are also included in the executive service (table 10). All other data are for work-relief personnel, except for, roughly, 5 percent of the W. P. A. and N. Y. A. employees who are hired in a supervisory capacity.

STATE ROADS

Employment and pay-roll data for the maintenance and construction of State roads which are financed wholly from State or local funds are shown in table 19. The data are reported monthly to the Bureau of Labor Statistics through the Public Roads Administration.

TABLE 10.—*Employment and Pay Rolls for the Executive Service of the Federal Government, October and November 1941*¹

[Subject to revision]

Class	Employment			Pay rolls		
	November 1941	October 1941 ²	Percentage change	November 1941	October 1941 ²	Percentage change
Entire service.....	1, 545, 131	1, 511, 682	+ 2. 2	\$237, 398, 486	\$235, 778, 998	+0. 7
Regular appropriation.....	1, 324, 314	1, 308, 413	+1. 2	203, 605, 497	202, 947, 978	+ . 3
Emergency appropriation..	20, 969	21, 063	- . 4	3, 101, 946	3, 120, 848	- . 6
Force-account.....	³ 199, 848	182, 206	+9. 7	³ 30, 691, 043	29, 710, 172	+3. 3
Inside the District of Columbia..	199, 283	194, 265	+ 2. 6	33, 938, 499	33, 687, 155	+ . 7
Regular appropriation.....	184, 474	180, 345	+ 2. 3	31, 228, 420	30, 927, 582	+1. 0
Emergency appropriation...	3, 387	3, 325	+1. 9	536, 015	525, 018	+2. 1
Force-account.....	11, 422	10, 595	+ 7. 8	2, 174, 064	2, 234, 555	- 2. 7
Outside the District of Columbia..	1, 345, 848	1, 317, 417	+ 2. 2	203, 459, 987	202, 091, 843	+ . 7
Regular appropriation.....	1, 139, 840	1, 128, 068	+1. 0	172, 377, 077	172, 020, 396	+ . 2
Emergency appropriation..	17, 582	17, 738	- . 9	2, 565, 931	2, 595, 830	-1. 2
Force-account.....	188, 426	171, 611	+9. 8	28, 516, 979	27, 475, 617	+3. 8

¹ Employment data are for the last pay period of the month, pay-roll data for the calendar month.

² Revised.

³ Also included in tables 11 and 13.

TABLE 11.—*Employment and Pay Rolls on Construction Projects Financed From Regular Federal Appropriations, by Type of Project, November 1941*¹

[Subject to revision]

Type of project	Employment		Pay rolls for the month	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum ²	Weekly average				
All projects.....	\$ 1,105,160	1,018,930	\$167,455,277	182,092,368	\$0.920	\$275,511,359
Airport construction....	72,203	65,344	8,912,825	12,311,772	.724	17,085,290
Building construction:						
Residential.....	56,239	47,964	6,675,077	7,252,536	.920	10,730,808
Nonresidential..	489,047	442,271	77,413,205	77,224,349	1.002	119,573,424
Electrification:						
Rural Electrification Administration projects ⁴	7,409	6,041	457,331	807,158	.567	2,778,229
Other than R. E. A. projects.....	1,083	899	143,482	124,299	1.154	148,996
Heavy engineering....	5,162	5,162	386,840	516,951	.748	410,678
Public roads ⁵	(6)	57,029	5,616,914	8,078,891	.695	12,581,780
Reclamation.....	38,500	37,645	6,497,462	7,170,459	.906	11,194,140
River, harbor, and flood control:						
Dredging, dikes, revetments, etc.....	39,545	34,765	5,044,633	5,895,324	.856	6,277,955
Locks and dams.....	7,727	7,027	1,043,521	1,157,785	.901	1,285,737
Ship construction:						
Naval vessels.....	225,934	216,581	40,197,781	45,432,409	.885	65,437,426
Other than naval vessels..	70,736	64,382	12,879,269	12,109,374	1.064	23,957,418
Streets and roads.....	11,620	11,002	1,226,158	1,624,267	.755	2,078,709
Water and sewerage.....	1,620	1,518	174,695	189,537	.922	375,260
Miscellaneous.....	21,306	21,300	786,084	2,197,257	.358	1,595,509

¹ Data are for the month ending on the 15th, except public-roads data which are for the calendar month. Includes 199,848 force-account employees with \$30,691,043 pay roll, which are also included in the executive service, table 10.

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

³ Includes weekly average for public-roads projects.

⁴ Financed by Rural Electrification Administration loans.

⁵ Under the jurisdiction of the Public Roads Administration.

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

TABLE 12.—*Employment and Pay Rolls on Low-Rent Housing Construction Projects Operated by the United States Housing Authority, by Geographic Division, November 1941*¹

[Subject to revision]

Geographic division	Employment		Pay rolls for the month	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum ²	Weekly average				
All divisions..	35,484	29,862	\$3,981,702	3,977,292	\$1.001	\$4,964,182
New England....	4,961	4,192	639,855	572,025	1.119	867,041
Middle Atlantic.....	7,142	5,871	961,924	790,046	1.218	1,358,941
East North Central..	5,508	4,772	736,903	620,878	1.187	843,729
West North Central..	726	662	125,611	97,249	1.292	147,613
South Atlantic.....	8,770	7,350	849,187	1,005,778	.844	997,595
East South Central..	1,401	1,130	99,260	135,553	.732	94,451
West South Central..	3,149	2,715	267,076	331,051	.807	345,667
Mountain.....	766	702	74,034	66,742	1.109	89,897
Pacific.....	1,299	1,078	160,759	133,437	1.205	144,148
Outside continental United States..	1,762	1,390	67,093	224,533	.299	75,100

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

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

TABLE 13.—Employment and Pay Rolls on Federal and Non-Federal Construction Projects Financed from Public Works Administration Funds, by Type of Project, November 1941 ¹

[Subject to revision]

Type of project	Employment		Pay rolls for the month	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
	Maximum ²	Weekly average				
All projects.....	2,694	2,284	\$322,668	344,099	\$0.938	\$402,400
Federal projects financed from National Industrial Recovery Act and Public Works Administration Appropriation Act, 1938 funds						
All Federal projects.....	³ 334	303	\$39,928	50,963	\$0.783	\$16,962
Airport construction (exclusive of buildings)	27	27	3,388	5,542	.611	34
Building construction.....	5	4	344	278	1.237	69
Public roads ⁴	(⁵) 18	18	340	845	.402	700
Reclamation.....	280	251	34,589	43,747	.791	16,096
Miscellaneous.....	4	3	1,267	551	.230	63
Non-Federal projects financed from National Industrial Recovery Act, Emergency Relief Appropriation Act, 1935, 1936 and 1937 funds, and Public Works Administration Appropriation Act, 1938 funds						
All non-Federal projects.....	2,360	1,981	\$282,740	293,136	\$0.965	\$385,438
Building construction.....	65	51	5,800	4,275	1.357	10,317
Electrification.....	110	87	19,836	13,256	1.496	22,480
Heavy engineering.....	2,059	1,724	242,655	261,795	.927	343,268
Railroads.....	16	16	43	88	.489	0
Streets and roads.....	30	23	1,546	1,476	1.047	79
Water and sewerage.....	57	57	10,289	9,675	1.063	9,294
Miscellaneous.....	23	23	2,571	2,571	1.000	0

¹ Data are for the month ending on the 15th, except public-roads data which are for the calendar month. Includes 96 force-account employees with \$10,873 pay roll, which are also included in the executive service, table 10.

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

³ Includes weekly average for public roads.

⁴ Under the jurisdiction of the Public Roads Administration.

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

TABLE 14.—Employment and Pay Rolls on Construction Projects Financed by the Reconstruction Finance Corporation, by Type of Project, November 1941 ¹

[Subject to revision]

Type of project	Employment ²	Pay rolls for the month	Man-hours worked during month	Average earnings per hour	Value of material orders placed during month
All projects.....	23,590	\$3,590,705	3,197,205	\$1.123	\$8,948,808
Building construction ³	23,265	3,545,007	3,165,178	1.120	8,937,306
Streets and roads.....	118	5,815	5,443	1.068	7,901
Heavy engineering.....	207	39,883	26,584	1.500	3,601

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

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

³ Includes 1,218 employees, \$149,238 pay roll, 148,452 man-hours worked, and \$117,454 worth of material orders placed on projects financed by the RFC Mortgage Co.

TABLE 15.—Employment and Pay Rolls on Projects Financed by the Work Projects Administration, November 1941 ¹

[Subject to revision]

Type of project	Employment ²	Pay rolls for the month	Man-hours worked during month	Average hourly earnings
All projects .	1, 056, 401	\$60, 600, 000	126, 300, 000	\$0. 480
Defense	324, 107	18, 100, 000	38, 200, 000	. 474
Nondefense..	732, 294	42, 500, 000	88, 100, 000	. 482

¹ Data are for the calendar month.

² Average of weekly employment counts as of each Wednesday during the month.

TABLE 16.—Employment and Pay Rolls on Projects Financed by the Work Projects Administration, by Type of Project, October 1941 ¹

[Subject to revision]

Type of project	Employment ²	Pay rolls for the month	Man-hours worked during month	Average hourly earnings
All projects . . .	1, 040, 483	\$62, 933, 276	135, 367, 879	\$0. 465
Conservation	25, 109	1, 421, 287	3, 119, 102	. 456
Highways, roads, and streets	343, 263	18, 254, 642	43, 006, 233	. 424
Community service projects, excluding sewing	249, 921	16, 313, 460	32, 578, 675	. 501
Public buildings ³	104, 090	7, 240, 182	14, 274, 794	. 507
Publicly owned or operated utilities..	87, 001	5, 509, 603	11, 552, 468	. 477
Recreational facilities ³	37, 429	2, 407, 281	4, 740, 451	. 508
Sanitation..	10, 437	539, 883	1, 294, 342	. 417
Sewing	57, 677	3, 192, 497	7, 543, 246	. 423
Airports and airways	48, 597	3, 133, 379	6, 967, 303	. 450
Not elsewhere classified—total..	76, 959	4, 921, 062	10, 291, 265	. 478
National defense vocational training..	34, 326	1, 999, 058	4, 480, 012	. 446
Other..	42, 633	2, 922, 004	5, 811, 253	. 503

¹ Includes projects operated by other Federal agencies and financed by allocation of W. P. A. funds. Data are for the calendar month.

² Data for all projects, airports and airways, and national defense vocational training represent the average of weekly employment counts made during the calendar month. Data for all other types of projects estimated by distributing the average for all projects on the basis of employment on the various types as of Oct. 29, 1941.

³ Construction of buildings for recreational purposes included under public buildings.

TABLE 17.—Employment and Pay Rolls on National Youth Administration Projects, by Type of Program, October and November 1941 ¹

[Subject to revision]

Type of program	Employment ²		Pay rolls	
	November	October	November	October
All programs..	650, 133	566, 912	\$9, 868, 165	\$8, 926, 758
Student work	341, 308	273, 942	2, 367, 642	1, 735, 728
Out-of-school work..	308, 825	292, 970	7, 500, 523	7, 191, 030

¹ Data are for the calendar month.

² Personnel as of the last pay period of the month.

TABLE 18.—Employment and Pay Rolls in the Civilian Conservation Corps, October and November 1941 ¹

[Subject to revision]

Type of personnel	Employment ²		Pay rolls	
	November 1941	October 1941	November 1941	October 1941
All groups..	171, 493	172, 706	\$8, 242, 555	\$8, 465, 633
Enrolled personnel ³ ..	147, 287	147, 232	4, 618, 932	4, 639, 581
Nurses ⁴	105	104	14, 026	13, 777
Educational advisers ⁴	1, 058	1, 122	187, 759	198, 036
Supervisory and technical ⁴ ..	23, 043	24, 248	3, 421, 838	3, 614, 230

¹ Data are for the calendar month.

² Employment represents, for enrolled personnel, an average of counts taken at 10-day intervals, and for other groups, the number employed on the last day of the month.

³ November data include 3,200 enrollees with \$70,416 pay roll for work outside continental United States; the corresponding figures for October were 3,228 enrollees and \$62,542 pay roll.

⁴ Also included in executive service, table 10.

TABLE 19.—Employment and Pay Rolls on Construction and Maintenance of State Roads Financed Wholly from State or Local Funds, November 1940, October and November 1941 ¹

[Subject to revision]

Type of project	Employment ²			Pay rolls		
	November 1941	October 1941	November 1940	November 1941	October 1941	November 1940
Total..	172, 553	188, 375	179, 345	\$13, 693, 976	\$16, 370, 116	\$12, 676, 303
New roads....	53, 994	63, 852	50, 846	3, 972, 128	5, 148, 285	3, 660, 844
Maintenance...	118, 559	124, 523	128, 499	9, 721, 848	11, 221, 831	9, 015, 459

¹ Data are for the calendar month.

² Average number working during month.