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EMPLOYMENT AND PAY ROLLS

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Employment and Pay Rolls

SUMMARY OF REPORTS FOR JANUARY 1940

Total Nonagricultural Employment

SEASONAL factors contributed largely to the decline of approximately 1,160,000 workers in nonagricultural employment in January. This decline was about 100,000 greater than that which took place in January of last year. There were, however, 1,100,000 more workers engaged in nonagricultural occupations in January 1940 than in January 1939. Substantial seasonal employment declines from December to January were reported in retail trade, manufacturing, In retail trade there was an construction, and transportation. employment reduction of 15.3 percent, or 600,000 workers, following the greater-than-seasonal expansion in December to handle holiday This decline was of about the same proportions as the detrade. creases from December to January in the past 2 years. Factory employment declined by 2.5 percent (207,000 workers) from the mid-December level, the first recession since May of last year. Class I steam railroads reported a seasonal decrease of 20,000 workers, while private building construction employment was reduced more than seasonally, partly because of the unusually severe weather in January. In anthracite mining, in which a small employment gain was reported, pay rolls were nearly double the very low level prevailing in mid-December.

These figures do not include emergency employment, which increased 177,000 as follows: 122,000 on projects operated by the Work Projects Administration, 27,000 on the out-of-school work program of the National Youth Administration, and 28,000 in the Civilian Conservation Corps.

REVISED INDEXES OF EMPLOYMENT AND PAY ROLLS FOR RETAIL TRADE AND PUBLIC UTILITIES

The Bureau of Labor Statistics has revised its indexes of employment and pay rolls for retail trade and the three public utilities regularly surveyed. In accordance with an established policy, the Bureau's indexes, which are based on reports supplied by cooperating establishments and which do not cover all employees in a given industry, are

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revised periodically to conform to levels or trends as indicated by Bureau of the Census summaries.

The retail-trade series have been adjusted to conform in general with employment and pay-roll data shown in the censuses of retail distribution for 1929, 1933, and 1935, and the utility indexes have likewise been adjusted to data shown in the censuses of electrical industries for 1932 and 1937. These new series supersede those formerly published.

The revised indexes for all retail trade combined, which were previously roughly weighted by two broad groups, have now been weighted by the various lines of trade, following the same general procedure used in compiling the weighted indexes of factory employment and pay rolls. For the utilities, in addition to the adjustment to census data, the composition of the power and light and the electricrailroad and motorbus operation industries has been changed. The indexes for the electric light and power industry now exclude manufactured gas, which had previously been included, and the indexes for street railways and busses (formerly entitled electric-railroad and motorbus operation) include data for electric-railroad repair shops, which until September 1938 constituted a separate industry in the Bureau's manufacturing series. Mimeographed sheets showing the revised indexes, together with more complete text relative to the revisions, are available upon request.

Industrial and Business Employment

Declines in employment and pay rolls were quite general with 74 of the 90 manufacturing industries surveyed by the Bureau of Labor Statistics showing reduced employment in January and 80 reporting decreased pay rolls. Of the 16 nonmanufacturing industries covered, 11 showed employment declines and 12 showed pay-roll reductions.

For all manufacturing industries combined there were larger than seasonal declines of 2.5 percent (or 207,000 workers) in employment and 5.2 percent (or nearly \$10,300,000) in weekly wages between December and January. The expected seasonal declines for this month are 1.8 percent in employment and 4 percent in pay rolls, declines being customary in January because of shut-downs for repairs and inventory taking. Compared with January of last year, there were gains of 10.1 percent in employment and 17.4 percent in pay rolls. Among the more important December-January declines in manufacturing employment were: Sawmills (18,200 workers); beet sugar (10,100); steel (9,800); cigars and cigarettes (9,700); automobiles (9,300); canning and preserving (8,700); woolen and worsted goods (8,500); confectionery (8,200); furniture (7,800); radios and phonographs (7,700); newspapers and periodicals (6,100); brick, tile, and terra cotta (5,700); baking (5,600); stoves (5,300); and paper boxes (5,000).

Employment in the aircraft industry showed a gain of 7.6 percent, or 4,000 workers, this being the sixteenth consecutive monthly advance. Other industries showing employment gains were: Boots and shoes (10,700 workers); millinery (4,000); agricultural implements (1,900); engines, turbines, water wheels, and windmills (1,800); and machine tools (1,300).

Employment in retail trade was reduced by 15.3 percent and pay rolls by 12 percent, reflecting the release of temporary employees hired to handle the holiday trade. Losses were general among the various lines of retail trade, the only pronounced employment gain being one of 13.8 percent reported by dealers in fuel. Department stores reduced their forces by 34 percent, variety stores by 50 percent, jewelers by 22 percent, and confectionery dealers by 19 percent. Compared with January of last year, retail trade as a whole showed an employment gain of 3.4 percent and a pay-roll increase of 4.1 percent.

Wholesale firms reported seasonal declines of 1.8 percent in employment and 2.3 percent in pay rolls between December and January. From January 1939 to January 1940 there were gains of 2.5 percent in both employment and pay rolls. Among the more important lines showing employment decreases over the month interval were: Farm products; lumber and building materials; food products; hardware; electrical appliances; machinery, equipment, and supplies; and dry goods and apparel.

Employment in anthracite mines increased slightly between December and January, while pay rolls were nearly doubled, due to greatly increased production from the low levels of mid-December. In bituminous-coal mines an employment decline of 0.9 percent was accompanied by a pay-roll increase of 3.2 percent. Metal mines curtailed employment slightly, reflecting the slowing down of operations during cold weather. Winter weather also affected operations in quarries which showed an employment drop of 14.8 percent.

Employment in private building construction dropped 16.7 percent from December to January according to reports from 13,781 contractors employing 111,535 workers. This decline was larger than the 12 percent average reduction shown in January in the past 8 years, largely because of unusually severe weather conditions in most sections of the country.

A preliminary report of the Interstate Commerce Commission showed an employment decline by class I railroads from December to January of 2.1 percent, the total number employed in the current month being 988,870. Corresponding pay rolls were not available when this report was prepared. For December they were \$159,828,397, a decline of 24.8 percent from November.

Hours and earnings.-The average hours worked per week by wage earners in manufacturing industries were 37.4 in January, a decrease of 3.0 percent since December. The average hourly earnings of these workers were 66.3 cents, an increase of 0.2 percent over the preceding Average weekly earnings of factory workers were \$25.51, month. a decrease of 3 percent since December.

Of the 14 nonmanufacturing industries for which man-hours are available 5 showed increases in average hours worked per week and 10 reported gains in average hourly earnings. Six of the sixteen nonmanufacturing industries surveyed reported higher average weekly earnings.

Employment and pay-roll indexes and average weekly earnings in January 1940 for all manufacturing industries combined, for selected nonmanufacturing industries, and for class I railroads with percentage changes over the month and year intervals are given in table 1.

TABLE 1.-Employment, Pay Rolls, and Earnings in All Manufacturing Industries Combined and in Nonmanufacturing Industries, January 1940

	En	ployme	ent	F	'ay rolls	3		age wee arnings	kly
Industry	Index		entage from—	Index	Perce change	ntage from—	Aver- age in	Percen chan fron	nge
	Janu- ary 1940	De- cem- ber 1939	Janu- ary 1939	Janu- ary 1940	De- cem- ber 1939	Janu- ary 1939	Janu- ary 1940	De- cem- ber 1939	Janu- ary 1939
All manufacturing industries com- bined 1	(1923-25 =100) 101.5	-2.5	+10. 1	(1923-25 =100) 98.3	-5.2	+17.4	\$25. 51	-2.8	+6.6
Class I steam railroads 2.	55.4 (1929=	-2.1	+6.1	(3) (1929=	(3)	(3)	(3)	(3)	(3)
Coal mining: Anthracite 4 Bituminous 4 Metalliferous mining. Quarrying and nonmetallic mining. Crude-petroleum production Public utilities:	100) 51.5 91.8 66.6 37.5 63.1	+1.0 9 -1.0 -14.8 -1.0	$ \begin{array}{r} +3.0 \\ +3.4 \\ +6.3 \\ -2.2 \\ -5.7 \end{array} $	100)	+97.0 +3.2 -2.9 -23.8 -1.4	+38.1+11.2+14.1-1.3-4.1	33. 46 25. 71 29. 68 19. 66 33. 99	+95.0 +4.1 -1.9 -10.6 4	+34. 1 +7. 5 +7. 3 +. 9 +1. 7
Telephone and telegraph ⁵ Electric light and power ⁵ Street railways and busses ⁵ . ⁸ Trade:	76.2 89.0 68.5	+.7 -1.3 7	+1.5 +1.8 $-(^7)$	98.6 101.1 69.3	+1.2 -1.3 5	+4.9 +4.0 -1.1	6 31, 79 6 34, 63 6 33, 26	$+.5 \\ -(7) \\ +.2$	+3.4 +2.1 -1.0
Trade: Wholesale. Retail \$	90. 5 88. 3 91. 4 95. 8 93. 9 (³) (³)	-1.8 -15.3 +.7 +.3 -3.6 9 +.6 -16.7	$ \begin{array}{r} +2.5 \\ +3.4 \\4 \\ +2.7 \\3 \\ -2.6 \\ +1.5 \\ -1.5 \\ \end{array} $	77. 3 80. 8 81. 0 83. 3 65. 8 (³) (³) (³)	$\begin{array}{r} -2.3 \\ -12.0 \\1 \\4 \\ -5.8 \\ -1.7 \\ +2.6 \\ -20.1 \end{array}$	+2.5+4.1+1.0+4.6+(7)-2.6+2.9+3.9	6 29.65 6 21.43 6 15.39 17.76 19.41 8 37.15 6 37.06 29.74	$ \begin{array}{r}5 \\ +3.9 \\7 \\7 \\ -2.3 \\8 \\ +2.0 \\ -4.0 \end{array} $	$\begin{array}{r}1 \\ +.7 \\ +1.4 \\ +1.9 \\ +.3 \\ +(7) \\ +1.3 \\ +5.3 \end{array}$

Revised indexes—Adjusted to 1937 Census of Manufactures.
 Preliminary—Source: Interstate Commerce Commission.
 Not available.
 Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938

⁴ Indexes adjusted to 1935 census. Comparable series back to January 1925 presented in January 1935 presented in January 1935 presented in January 1935 issue of this pamphlet. ⁵ Retail trade indexes adjusted to 1035 census and public utility indexes to 1937 census. Comparable series for earlier months available upon request. ⁶ Average weekly earnings not strictly comparable with figures published in issues of this pamphlet dated earlier than January 1938 as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory. ⁸ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies. Formerly "electric railroad and motorbus operation and maintenance." ⁹ Cash payments only; the additional value of board, room, and tips cannot be computed.

Public Employment

Many construction projects under the Public Works Administration program are nearing completion and as a result employment on this program declined 34,000 in the month ending January 15, leaving 133,000 building-trades workers still employed. Wage payments of \$12,328,000 to workers on these projects were \$3,585,000 less than in December.

Because of extremely cold weather, employment on low-rent projects of the United States Housing Authority fell from 33,000 in December to 32,000 in the month ending January 15. Pay-roll disbursements of \$2,987,000 were \$560,000 less than in December. These figures cover new construction and demolition.

Seasonal influences, particularly on Federal-aid roads and dredging projects, were responsible for diminished employment on construction projects financed from regular Federal appropriations. Increases were reported on the construction of naval vessels, forestry, and miscellaneous projects while all other types of projects showed decreases. The number of workers employed on all projects during the month ending January 15 was 207,000, a decrease of 48,000 from December. Pay rolls for the month amounted to \$22,259,000.

Employment on construction projects financed by the Reconstruction Finance Corporation remained at approximately 2,300 during the month ending January 15. Pay rolls for the month totaled \$228,000.

Employment on work-relief projects of the Work Projects Administration rose again in January with an increase of 122,000 over December. The number at work in January was 2,192,000 as compared with 2,070,000 in the preceding month. Because of inclement weather and a consequent stoppage of work on many projects, pay rolls of \$106,142,000 in January, in spite of increased employment, were \$1,516,000 less than in December. A decrease of 1,000 was reported in employment on Federal agency projects financed by the Work Projects Administration. Employment for the month was 97,000 and wage payments amounted to \$4,411,000.

The number of young people employed on the out-of-school work program of the National Youth Administration increased 27,000 in January, and 3,000 more students were given employment on the student work program.

The beginning of an enlistment period resulted in a gain of 28,000 in the number of persons employed in camps of the Civilian Conservation Corps in January. Of the 337,000 on the pay roll, 300,300 were enrollees; 1,700, educational advisors; 300, nurses; and 34,700, supervisory and technical employees. Pay-roll disbursements for all employees amounted to \$14,666,000.

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In the regular services of the Federal Government, increases were reported in the judicial, legislative, and military services, and a decrease in the executive service. Of the 936,000 employees in the executive service 127,000 were working in the District of Columbia and 809,000 outside the District. Force-account employees (employees on the pay roll of the United States Government who are engaged on construction projects and whose period of employment terminates as the project is completed) were 9.1 percent of the total number of employees in the executive service. Increased employment was reported in the Department of Commerce, Navy Department, Federal Security Agency, and Veterans' Bureau, while decreases were reported in the Post Office Department, Department of Agriculture, War Department, and Tennessee Valley Authority.

Employment on State-financed road projects decreased 4,000 in the month ending January 31. Of the 119,000 at work 16,000 were engaged in the construction of new roads and 103,100 on maintenance. Pay rolls for both types of road work were \$9,018,000.

A summary of Federal employment and pay-roll data for January is given in table 2.

TABLE 2.—Summary of Federal Employment and Pay Rolls, January 1940 and December	
1939 1	

	E	mployment			Pay rolls							
Class	January 1940	December 1939	Per- centage change	January 1940	December 1939	Per- centage change						
Federal services:												
Executive ²	936, 689	3 986, 742	-5.1	\$143, 963, 368	\$\$152,256,658	-5.4						
Judicial	2,360	2,268	+4.1	598, 399	550,008	+8.8						
Legislative	5,889	5, 535	+6.4	1, 297, 362	1, 252, 503	+3.6						
Military	434, 061	421, 245		28, 842, 203	29, 705, 737	-2.9						
Construction projects:												
Financed by P. W. A. ⁴	132,538	166, 657	-20.5	12, 327, 754	15, 912, 909	-22.5						
U. S. H. A. low-rent housing	32, 313	33, 170	-2.6	2, 987, 099	3, 547, 123							
Financed by R. F. C.	2,260	2, 322	-2.7	227,685	250, 882	-9.2						
Financed by regular Federal ap-		1										
propriations	206,945	255, 106	-18.9	22, 259, 156	27, 293, 719	~18.4						
Federal agency projects financed			į									
by Work Projects Administra-	00 000	00 100	1.0	4 411 900	4 544 015							
tion.	96, 663	98, 109	-1.5	4, 411, 390	4, 744, 815	-7.0						
Projects operated by W. P. A	2, 191, 741	3 2,069, 754	+5.9	106, 141, 564	\$ 107, 658, 148	-1.4						
Out-of-school work program.	322, 367	295, 295	+9.2	5, 815, 229	5, 428, 157	+7.1						
Student work program	437,457	434, 350	+.7	2, 858, 839	2,967,327	-3.7						
Civilian Conservation Corps.	336, 725	308, 569	+9.1	14,666,446	13, 775, 996	+6.5						

[Proliminary figured]

¹ Includes data on projects financed wholly or partially from Federal funds. ³ Includes force-account and supervisory and technical employees shown under other classifications to the extent of 122,327 employees and pay-roll disbursements of \$16,222,483 for January 1940, and 130,011 em-ployees and pay-roll disbursements of \$16,030,425 for December 1939. ³ Revised. ⁴ Determining R. W. A. prejecto financed from National Industrial December Act funda. Emergency

³ Revised. ⁴ Data covering P. W. A. projects financed from National Industrial Recovery Act funds, Emergency Relief Appropriation Acts of 1935, 1936, and 1937 funds, and Public Works Administration Appropriation Act of 1938 funds are included. These data are not shown under projects financed by the Work Projects Administration. Includes 9,466 wage earners and \$862,605 pay roll for January 1940; 12,093 wage earners and \$1,172,452 pay roll for December 1939, covering Public Works Administration projects financed from Emer-gency Relief Appropriation Acts of 1935, 1936, and 1937 funds. Includes 117,799 wage earners and \$10,854,124 pay roll for January 1940; 147,856 wage earners and \$14,038,629 pay roll for December 1939, covering Public Works Administration projects financed from funds provided by the Public Works Administration Appro-priation Act of 1938

⁵ Includes 803 employees and pay-roll disbursements of \$75,852 for January 1940; 932 employees and pay-roll disbursements of \$93,259 for December 1939 on projects financed by the RFC Mortgage Co.

DETAILED TABLES FOR JANUARY 1940

Industrial and Business Employment

SCOPE AND METHOD

MONTHLY reports on employment and pay rolls are available for the following groups: ninety manufacturing industries; 16 nonmanufacturing industries, including private building construction; and class I steam railroads. The reports for the first two of these groups manufacturing and nonmanufacturing—are based on sample surveys by the Bureau of Labor Statistics. The figures on class I steam railroads are compiled by the Interstate Commerce Commission and are presented in the foregoing summary.

The indexes of factory employment and pay rolls are based on the 3-year average 1923-25 as 100. They relate to wage earners only and are computed from reports supplied by representative manufacturing establishments in 90 manufacturing industries. 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 included in the monthly survey of the Bureau of Labor Statistics.

The indexes for the nonmanufacturing industries are based on the 12-month average for 1929 as 100. Figures for mining, laundries, and dyeing and cleaning cover wage earners only, but the figures for public utilities, trade, and hotels 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 the clerical field force. The coverage of the reporting samples for the various nonmanufacturing industries ranges from approximately 25 percent for wholesale trade and dyeing and cleaning to approximately 80 percent for quarrying and nonmetallic mining, anthracite mining, and public utilities.

The indexes for retail trade have been adjusted back to 1929 to conform in general with the 1929, 1933, and 1935 censuses of retail distribution and to allow for weighting by lines of trade. The indexes for the public utilities have been adjusted to the 1932 and 1937 censuses of electrical industries.

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

The average weekly earnings shown in tables 3 and 4 are computed by dividing the total weekly pay rolls in the reporting establishments by the total number of full- and part-time employees reported. not all reporting establishments supply man-hours, average hours worked per week and average hourly earnings are necessarily based on data furnished by a smaller number of reporting firms. The size and composition of the reporting sample vary slightly from month to Therefore, the average hours per week, average hourly month. 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 movements 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 January 1939 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 January 1940 are shown in table 3. Percentage changes from December 1939 and January 1939 are also given.

The employment and pay-roll indexes, as well as average hours worked per week, average hourly earnings, and average weekly earnings for November and December 1939 and January 1940, where available, are presented in table 4. The November and December figures, where given, may differ in some instances from those previously published because of revisions necessitated primarily by the inclusion of late reports.

In table 5, indexes of employment and pay rolls are given for all manufacturing industries combined, for the durable- and nondurablegoods groups of manufacturing industries, and for each of 13 nonmanufacturing industries, by months, from January 1939 to January 1940, inclusive. The accompanying chart indicates the trend of factory employment and pay rolls from January 1919 to January 1940.



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TABLE 3.-Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, January 1940

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100. New series—adjusted to 1937 Census of Manufactures for all industries except automobiles, and not comparable to indexes published in the July 1939 and earlier issues of the pamphlet. Comparable series available upon request]

	Ēı	nployme	nt		Pay rolls		Averag	e weekly ings 1	7 earn-		e hours oer week		Avera	ge hourly ings 1	/ earn-
Industry	Index	Perce change		Index Janu-	Perce change	ntage from	Janu-	Perce change		Janu-	Perce change	ntage from—	Janu-	Perce change	
	Janu- ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939
All manufacturing.	101. 5	-2.5	+10.1	98, 3	-5.2	+17.4	\$25. 51	-2. 8	+6.6	37.4	-3. 0	+2.2	Cents 66.3	+0. 2	+3.1
Durable goods	97.4 105.3	2.8 -2.5	+18.3 +3.5	98, 2 98, 5	-6.1 -4.2	+29.2 +6.6	28, 96 21, 87	-3.6 -1.8	+9. 2 +2. 9	38, 1 36, 9	-3.7 -2.3	+5.7	72. 7 60. 7	- (²) +.4	+2.4 +2.6
Durable goods															
fron and steel and their products, not including machinery Blast furnaces, steel works, and rolling mills Bolts, nuts, washers, and rivets. Cast-iron pipe Cutlery (not including silver and plated cut-	108. 3 120. 9 117. 2 74. 4	-2.8 -2.0 -2.2 -4.0	+22. 0 +28. 3 +22. 1 +5. 0	106.3 119.3 124.4 64.8	-7.9 -7.6 -13.3 -9.6	+ 3 3. 7 +41. 2 +26. 1 +15. 3	29. 07 31. 25 25. 87 21. 14	$-5.1 \\ -5.8 \\ -11.4 \\ -5.8$	+9.7 +10.1 +3.1 +9.6	37. 6 37. 1 37. 9 3 5. 1	-4.7 -4.8 -11.4 -7.4	+7.3 +9.6 +5.0 +7.3	76. 6 84. 1 68. 4 59. 8	7-1.1+ (2)+1.6	+1.6 +.5 -1.5 +2.3
lery) and edge tools. Forgings, iron and steel. Hard ware. Plumbers' supplies Stamped and enameled ware Steam and hot-water heating apparatus and	$104. \ 6 \\ 72. \ 3 \\ 103. \ 5 \\ 82. \ 2 \\ 158. \ 0$	$ \begin{array}{r} -3.8 \\3 \\ -2.0 \\ -2.0 \\ -4.6 \\ \end{array} $	$^{+18.6}_{+32.1}_{+16.0}_{+12.7}_{+11.6}$	93, 3 85, 8 108, 9 70, 8 160, 2	-8.4 -2.7 -7.0 -8.9 -7.8	+19.1 +54.2 +28.7 +17.0 +13.5	$\begin{array}{c} 23.\ 28\\ 32.\ 27\\ 26.\ 01\\ 25.\ 02\\ 24.\ 05 \end{array}$	$\begin{array}{r} -4.8 \\ -2.4 \\ -5.1 \\ -7.0 \\ -3.3 \end{array}$	$+.3 \\ +16.6 \\ +11.1 \\ +4.1 \\ +1.8$	39.0 41.3 38.8 36.8 37.9	$ \begin{array}{r} -5.6 \\ -1.9 \\ -3.6 \\ -6.6 \\ -4.1 \\ \end{array} $	+1.5 +13.9 +9.5 +2.2 +2.0	60. 8 78. 2 67. 0 68. 0 63. 8	+1.0 5 -1.5 5 +.6	5 +2.6 +1.4 +1.9 2
Steam and not-water heating apparatus and steam fittings. Stoves. Structural and ornamental metalwork. Tin cans and other tinware. Tools (not including edge tools, machine tools,	83. 2 78. 0 73. 4 93. 6	$\begin{array}{r} -3.5 \\ -12.6 \\ -2.7 \\ -1.9 \end{array}$	$^{+16.5}_{+13.1}_{+20.1}_{+7.6}$	73. 9 64. 6 62. 6 96. 9	-7.6 -17.7 -6.8 -3.5	$^{+28.5}_{+18.3}_{+24.7}_{+10.3}$	27. 20 23. 75 27. 65 23. 46	-4.3 -5.8 -4.2 -1.7	+9.9 +4.6 +3.7 +2.4	38.7 35.7 37.9 37.9	-4.0 -5.6 -3.7 -1.8	$^{+9.1}_{+2.9}_{+3.1}_{+.7}$	70.4 66.7 72.7 61.9	-2 -5 -6 +(2)	$^{+1.1}_{+1.4}$ $^{+.3}_{+1.2}$
files, and saws)	98.1 171.9	8 ~2.5	$^{+15.7}_{+11.8}$	97.5 188.8	-4.4 -7.7	$^{+24.7}_{+28.3}$	$25.\ 71\ 27.\ 31$	-3.7 -5.2	+7.9 +14.8	41.3 39.3	-4.2 -4.1	+3,6 +10,1	62.6 69.5	+.7	+4.3 +4.2

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Machinery, not including transportation equipment. Agricultural implements (including tractors) Cash registers, adding machines, and calculat-	112.4 135.2	—. б +3. 3	$^{+22.8}_{+16.1}$	119. 1 155. 8	-2.5 +2.8	+37.7 +29.1	29. 74 30. 91	-1.9 4	+12.2 + 11.3	40. 4 38. 9	-2.3 9	+10.2 +10.7	73 . 5 79. 6	+.4 +.4	+1.5 +.4	
ing machines Electrical machinery, apparatus, and supplies	$126.4 \\ 101.7$	-1.3 9	$^{-3.6}_{+22.8}$	$\frac{128.\ 6}{112.\ 4}$	-2.3 -1.6	$^{+8.6}_{+34.5}$	32. 11 29. 67	-1.0 7	$^{+12.6}_{+9.4}$	39. 1 39. 7	7 -1.5	+11.7 +8.8	82. 5 74. 9	2 +.9	+.3 +.7	
Engines, turbines, water wheels, and wind- mills	$125. \ 3 \\ 97. \ 2 \\ 196. \ 8 \\ 136. \ 2 \\ 86. \ 2 \\ 122. \ 6 \\$	$^{+4.6}_{-(^2)}$ +2.4 -16.1 +.5 -3.7	$^{+44.8}_{+22.5}_{+53.8}_{+13.7}_{+24.0}_{-3.3}$	$161. \ 4 \\ 95. \ 2 \\ 258. \ 5 \\ 122. \ 2 \\ 83. \ 5 \\ 111. \ 3 \\$	+3.1-3.4+.9-17.9-2.6-8.4	$^{+68.7}_{+36.4}_{+99.3}_{+15.0}_{+32.9}_{-4.8}$	$\begin{array}{c} 34.\ 10\\ 29.\ 27\\ 36.\ 41\\ 22.\ 22\\ 26.\ 65\\ 22.\ 27\end{array}$	-1.5 -3.4 -1.5 -2.1 -3.1 -4.9	$^{+16.\ 6}_{+11.\ 4}_{+29.\ 4}_{+1.\ 1}_{+7.\ 0}_{-1.\ 5}$	42. 6 40. 4 47. 4 37. 0 40. 6 34. 9	$-1.3 \\ -3.2 \\ -1.4 \\ -4.0 \\ -2.1 \\ -4.5$	$^{+14.0}_{+9.9}_{+24.7}_{-1.9}_{+7.0}_{-1.4}$	80. 4 72. 6 76. 9 59. 8 65. 8 63. 7	231+1.595	$^{+2.3}_{+1.5}_{+4.0}_{+2.1}_{+.1}_{1}$	
Transportation equipment. Aircraft. Automobiles. Cars, electric- and steam-railroad. Locomotives. Shipbuilding.	115. 5 2, 029. 7 115. 8 52. 8 28. 3 137. 5	$\begin{array}{r}9 \\ +7.6 \\ -2.0 \\ +1.3 \\ +1.1 \\ -1.4 \end{array}$	$^{+19.6}_{+127.8}_{+9.1}_{+65.1}_{+58.2}_{+31.7}$	118.3 1,900.6 119.9 47.3 27.2 148.0	$\begin{array}{r} -4.7 \\ +6.9 \\ -6.2 \\ +.9 \\ -1.0 \\ -3.1 \end{array}$	$^{+26.9}_{+111.2}_{+18.4}_{+84.6}_{+76.6}_{+34.8}$	33 , 23 29, 21 34, 28 28, 06 29, 49 32, 32	$ \begin{array}{r} -3.8 \\6 \\ -4.3 \\3 \\ -2.1 \\ -1.8 \end{array} $	$^{+6.1}_{-7.2}_{+8.5}_{+12.0}_{+11.8}_{+2.4}$	37.4 41.5 36.7 38.5 37.7 38.2	$ \begin{array}{r} -2.8 \\ -1.9 \\ -3.6 \\2 \\ -2.2 \\2 \end{array} $	$^{+7.4}_{7}_{+7.1}_{+12.4}_{+11.1}_{+1.9}$	89.4 74.1 93.4 72.9 78.2 84.6	$\begin{array}{c}8 \\ +.9 \\7 \\1 \\ +.1 \\ -1.3 \end{array}$	$-3.0 \\ +1.2 \\ -3.4 \\ +1.6 \\ +1.3$	
Nonferrous metals and their products Aluminum manufactures Brass, brouze, and copper products	109. 7 169. 5 135. 7	-2.8 5 -1.5	+19.6 +30.9 +30.7	108.7 191.5 150.3	-6.7 -2.7 -5.4	+33.0 +37.8 +55.2	27. 37 27. 62 30. 28	-4.0 -2.1 -4.0	+11. 2 +5. 4 +18. 8	39. 2 39. 3 40. 5	-3.9 -2.4 -3.2	$^{+5.4}_{+2.8}$ $^{+10.9}$	70, 1 70, 1 75, 2	\$ +. 1 8	+5.1 +1.9 +7.3	
Clocks and watches and time-recording de- vices Jewelry Lighting equipment Silverware and plated ware Smelting and refining—copper, lead, and zinc.	90. 6 89. 0 92. 8 71. 7 86. 9	$ \begin{array}{r} -2.7 \\ -9.7 \\ -5.3 \\ -6.5 \\ -(^2) \end{array} $	$^{+9.3}_{+5.8}$ $^{+10.6}_{+9.5}$ $^{+12.1}$	92.9 72.7 74.2 61.3 86.5	-4.1 -15.9 -12.4 -19.5 -1.6	$^{+21.3}_{+5.9}_{+14.1}_{+10.2}_{+17.5}$	22, 75 22, 89 25, 54 24, 74 27, 94	$\begin{array}{r} -1.5 \\ -6.9 \\ -7.5 \\ -13.9 \\ -1.6 \end{array}$	$^{+11.0}_{\ +.2}_{\ +3.0}_{\ +.4}_{\ +4.9}$	38.5 37.7 36.2 38.9 38.9	$-1.3 \\ -5.5 \\ -8.1 \\ -11.9 \\ -1.6$	+8.0 -2.1 +1.5 +.1 +.7	59.5 60.5 70.6 63.0 71.9	1 -1.0 +.7 -3.2 +.1	+2.9 +2.8 +2.1 -1.2 +4.2	
Lumber and allied products. Furniture. Lumber:	67, 3 90, 3	-5.3 -4.7	+9.6 +11.9	58, 8 74, 6	-9.8 -12.8	$+13.7 \\ +17.2$	19. 10 19. 95	-4.7 -8.4	+3.8 +4.7	36.9 37.4	-4.4 -6.9	$^{-2.7}_{+1.1}$	51. 2 53. 8	3 -1.5	+4.9 +2.8	
Millwork	61.5 59.5	-3.3 -6.1	+11.4 +8.2	47.0 51.1	-9.6 -7.8	$^{+12.5}_{+11.9}$	21. 27 17. 73	-6.5 -2.1	$^{+1.1}_{+1.3}$	39. 3 36. 1	-6.5 -2.4	+.7 -5.5	54. 2 49. 1	1+.3	$^{+.2}_{+7.2}$	
Stone, clay, and glass products Brick, tile, and terra cotta Cement Glass Marble, granite, slate, and other products. Pottery.	77. 7 57. 0 57. 7 105. 6 38. 8 92. 4	$\begin{array}{r} -7.1 \\ -8.9 \\ -13.0 \\ -2.7 \\ -19.9 \\ -2.6 \end{array}$	$ \begin{array}{r} +8.1 \\ +8.5 \\ +7.4 \\ +10.7 \\ -5.9 \\ +9.4 \\ \end{array} $	66. 9 43. 4 50. 5 113. 1 23. 9 80. 7	$\begin{array}{r} -12.4 \\ -15.9 \\ -20.2 \\ -4.8 \\ -31.4 \\ -10.4 \end{array}$	$^{+10.8}_{+9.0}_{+9.5}_{+17.1}_{-14.3}_{+11.1}$	23. 58 19. 52 24. 96 26. 27 21. 54 22. 20	$ \begin{array}{r} -5.8 \\ -7.6 \\ -8.2 \\ -2.2 \\ -14.3 \\ -7.9 \end{array} $	+2.5+.3+2.0+5.7-8.7+1.6	35. 1 34. 8 35. 5 35. 0 31. 4 37. 0	-6.4 -8.1 -8.6 -3.5 -12.9 -5.2	+.3 -4.1 +.5 +3.2 -7.4 +4.6	66.4 55.8 70.4 74.8 69.0 62.9	+.7 +.2 +.4 +1.5 -2.2 +.6	+2.6+4.2+1.5+2.6+.32	

See footnotes at end of table.

TABLE 3.—Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, January 1940—Continued

MANUFACTURING—Continued

[Indexes are based on 3-year average, 1923-25=100. New series—adjusted to 1937 Census of Manufactures for all industries except automobiles, and not comparable to indexes published in the July 1939 and earlier issues of the pamphlet. Comparable series available upon request]

	E	mployme	ent		Pay rolls		Averag	e weekly lings	v earn-		e hours y per week		Avera	ge hourly ings	7 earn-
Industry	Index	Perce change	ntage from—	Index	Perce change	ntage from—	Janu-	Perce change		Janu-	Perce change		Janu-	Perce change	entage from—
	Janu- ary 1940	De- cember 1939	Janu- ary 1939	Janu- ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939
Nondurable goods													Cents		
Textiles and their products. Fabrics. Carpets and rugs. Cotton goods. Cotton small wares. Dyeing and fnishing textiles Hats, fur-felt.	103 . 7 96. 1 82. 3 95. 9 87. 5 129. 7 90. 9	$ \begin{array}{r} -2.0 \\ -2.6 \\ -2.4 \\9 \\ -3.8 \\ -2.6 \\4 \end{array} $	$\begin{array}{c} +2.8 \\ +3.6 \\ +9.5 \\ +10.4 \\ +6.9 \\ +4.3 \\ +.9 \end{array}$	87.6 84.8 72.3 89.0 81.4 109.5 84.8	$\begin{array}{r} -4.6 \\ -5.3 \\ -4.6 \\ -2.7 \\ -6.7 \\ -5.9 \\ -4.4 \end{array}$	$\begin{array}{r} +5.3 \\ +5.9 \\ +19.5 \\ +19.2 \\ +6.4 \\ +3.1 \\ +8.1 \end{array}$	\$17. 26 17. 07 24. 31 15. 18 18. 05 20. 64 25. 26	$\begin{array}{r} -2.6\\ -2.8\\ -2.3\\ -1.9\\ -3.0\\ -3.3\\ -4.0\end{array}$	+2.4+2.2+9.2+7.96-1.2+7.3	34. 8 36. 0 36. 8 36. 8 37. 9 37. 6 35. 3	$\begin{array}{r} -3.1 \\ -3.0 \\ -2.4 \\ -2.1 \\ -2.8 \\ -3.7 \\ -4.1 \end{array}$	$\begin{array}{r} -1.0\\ -1.7\\ +3.0\\ +.1\\ -2.0\\ -2.9\\ +3.0\end{array}$	49, 9 48, 1 66, 2 41, 2 48, 4 54, 4 73, 3	+0.3 +.3 +.1 +.5 +.5 3	$\begin{array}{r} +3.2\\ +4.2\\ +5.9\\ +7.7\\ +1.9\\ +1.3\\ +3.9\end{array}$
Hoslery Knitted underwear Knitted cloth Silk and rayon goods Woolen and worsted goods	$143.8 \\ 59.4 \\ 75.4 \\ 139.9 \\ 63.2 \\ 86.5$	$ \begin{array}{r} -3.0 \\ -8.4 \\ -4.4 \\ -2.9 \\ -3.1 \\ -5.2 \\ \end{array} $	$\begin{array}{r} -4.8 \\ -2.6 \\ +10.6 \\ +7.4 \\ -3.7 \\ -3.3 \end{array}$	146. 147. 466. 0112. 053. 173. 1	-8.1 -5.0 -8.9 -3.8 -6.5 -6.8	$-9.5 \\5 \\ +14.7 \\ +4.8 \\ +.1 \\ -3.1$	$18. 49 \\ 17. 12 \\ 14. 78 \\ 18. 51 \\ 16. 03 \\ 19. 46$	-5.3+3.7-4.7+1.0-3.5-1.6	-5.0 +2.1 +3.6 -4 +4.1 +4.1	33. 1 35. 3 35. 3 37. 6 35. 0 36. 2	$\begin{array}{r} -6.0 \\ +1.7 \\ -4.3 \\ +1.9 \\ -4.2 \\ -2.4 \end{array}$	-7.1 -1.8 +2.9 -2.8 -3.8 -2.0	55.5 48.4 42.4 47.9 45.5 53.7	+.5 +2.7 +.8 -1.3 +.5 +.8	+4.3+4.4+2.4+.2+7.8+2.4
Wearing apparel Clothing, wen's Clothing, women's Corsets and allied garments. Men's furnishings Millinery Shirts and collars	$116.1 \\ 105.5 \\ 162.2 \\ 114.8 \\ 111.5 \\ 78.7 \\ 119.5$	$\begin{array}{r}7 \\ +.4 \\ -1.4 \\ -1.0 \\ -13.6 \\ +19.0 \\ -2.5 \end{array}$	$ \begin{array}{r} +1.5 \\ +6.4 \\ -2.2 \\ +8.6 \\ -8.9 \\ +.1 \\ +1.9 \end{array} $	87.4 80.1 112.8 110.4 95.0 58.5 97.7	$\begin{array}{r} -3.1 \\2 \\ -4.0 \\ -7.4 \\ -24.7 \\ +25.8 \\ -12.0 \end{array}$	$^{+4.2}_{+13.3}_{-1.8}_{+4.0}_{-4.3}_{-4.9}_{+8.1}$	17.85 19.60 18.74 15.87 13.15 21.47 13.11	$\begin{array}{r} -2.5 \\5 \\ -2.6 \\ -6.4 \\ -12.8 \\ +5.6 \\ -9.7 \end{array}$	$^{+2.7}_{+6.5}_{+.5}_{-4.1}_{+5.2}_{-5.1}_{+5.9}$	32. 4 32. 9 32. 0 33. 3 32. 3 32. 3 32. 3 32. 0	$ \begin{array}{r} -3.3 \\ -1.0 \\ -2.7 \\ -6.8 \\ -8.6 \\6 \\ -9.3 \end{array} $	+.2 +4.2 -2.1 -8.5 -1.8 -2.2 -1.5	$53. \ 3 \\ 59. \ 0 \\ 52. \ 8 \\ 47. \ 1 \\ 40. \ 1 \\ 62. \ 6 \\ 41. \ 3$	$\begin{array}{r} +.2 \\4 \\5 \\ +.4 \\ -2.6 \\ +1.6 \\ +1.0 \end{array}$	$ \begin{array}{r} +1.7 \\ +2.9 \\ +.3 \\ +3.1 \\ +7.8 \\ -3.4 \\ +7.9 \end{array} $
Leather and its manufactures Boots and shoes. Leather.	97.4 95.8 87.4	+4.5 +5.5 +.5	-1.6 -1.9 +(²)	82. 3 79. 1 86. 1	+9.2 +12.6 4	8 -1.2 +.3	19.89 18.78 24.55	+4.4 +6.7 9	+. 3 +. 6 +. 1	37 . 2 37. 0 38. 3	+4.4 +6.0 -1.4	-3.6 -4.0 -1.5	53.4 50.8 64.2	5 4 +.2	+1.7 +1.9 +1.3

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Fo 21724840	d and kindred products	141. 4 254. 9 89. 7 91. 0 82. 9 79. 0 66. 1	$ \begin{array}{r} -5.2 \\ -2.4 \\ -2.2 \\ -3.1 \\ -10.3 \\ -13.7 \\ +.4 \\ -2.7 \\ \end{array} $	+2.2 + .3 + 1.6 + .26 + 1.3 + 10.3	$117.1 \\ 131.1 \\ 278.8 \\ 75.1 \\ 80.6 \\ 81.2 \\ 73.4 \\ 55.6 \\ 118.9 \\ 118.9 \\ 117.1 \\ 100.1 \\ 1$	$\begin{array}{r} -5.9\\ -2.2\\ -6.7\\ -3.9\\ -9.7\\ -18.7\\ +1.6\\ -3.0\\ -2.2 \end{array}$	+3.5+1.2+2.2-1.0+5.7+6.1+2.19+10.1	25. 32 25. 84 32. 13 22. 31 17. 41 19. 07 25. 18 29. 55 27. 94	7 +.1 -4.6 9 +.7 -5.8 +1.2 3 -1.9	+1.3+1.0+.7-1.2+6.6+4.7+4.66-(2)	39. 7 40. 9 36. 9 45. 0 35. 4 38. 4 41. 2 44. 3 41. 2	$\begin{array}{c} -1.9 \\ +.1 \\ -4.2 \\ -1.5 \\5 \\ -7.3 \\ +1.0 \\ -1.9 \\ -2.1 \end{array}$	$-1.2 \\ -1.5 \\6 \\ -1.4 \\ -2.6 \\ +3.0 \\4 \\ -3.9 \\1$	64. 1 63. 5 87. 7 49. 2 50. 5 49. 8 60. 8 64. 7 67. 7	+1.2 + .2 + .4 + .84 + 1.2 + .4 + 1.0 + .1	$\begin{array}{r} +2.0 \\ +2.6 \\ +1.1 \\ -1.7 \\ +5.0 \\ +2.0 \\ +1.4 \\ +3.2 \\3 \end{array}$	
င်း	Slaughtering and meat packing. Sugar, beet	67.8 90.1	$-3 \\ -64.6 \\ -5.4$	+10.3 -25.5 -1.6	62.6 72.6	-2.2 -63.9 -4.1	+10.1 -20.5 -6.2	27.94 23.98 22.68	$\begin{array}{c} -1.9 \\ +2.0 \\ +1.3 \end{array}$	+6.8 -4.6	41. 2 34. 8 35. 0	-22.9 -3.5	+1.9 -3.7	69.0 64.9	$+29.9 \\ +4.9$	+4.9	
To	Chewing and smoking tobacco and snuff Cligars and cigarettes	63.7	-10.3 +4.7 -11.9	-2.5 +2.5 -3.0	52, 9 68, 1 51, 0	15.1 +1.4 17.3	+3.1 +3.3 +3.1	16.52 17.33 16.35	$ \begin{array}{c} -5.8 \\ -3.2 \\ -6.1 \end{array} $	+5.8 +.9 +6.3	33. 3 33. 2 33. 3	-7.0 -2.3 -7.6	+2.5 -2.8 +3.2	49.6 51.8 49. 3	+1.3 -1.4 +1.5	+3.2 +3.6 +3.2	
Pa	ber and printing Boxes, paper. Paper and pulp	115. 1 116. 2 114. 1	-29 -7.0 9	+4.1 +9.0 +8.2	110. 0 121. 2 117. 6	-5.8 -11.5 -4.0	+6.6 +9.2 +14.5	28.66 20.75 25.35	3.0 4.9 3.2	+2.5 +.1 +5.7	88. 1 37. 5 40. 0	-3.3 -6.4 -3.8	+.8 -1.5 +3.0	78.4 55.9 63.5	+.1 +1.6 +.6	+1.4 +1.4 +2.5	
	Printing and publishing: Book and job Newspapers and periodicals	10 2 . 6 11 3 . 5	1.4 4.3	+1.1 +.5	91.6 105.7	-2.7 -8.1	+3.7 +2.1	31. 30 37. 55	1.4 4.0	+2.5 +1.5	38. 9 35. 7	-1.7 -3.0	+1.1 6	81. 5 101. 8	+.7 1.0	+1.6 +2.5	
Ch	emical, petroleum, and coal products Petroleum refining Other than petroleum refining Chemicals Cottonseed—oil, cake, and meal	121.6	$-1.1 \\6 \\ -1.1 \\ -1.3 \\ -10.2$	$^{+6.9}_{+2.8}_{+7.9}_{+15.6}_{-5.3}$	1 31. 0 133. 5 130. 3 159. 8 99. 3	-1.8 -3.0 -1.3 -1.6 -9.9	+10.3 8 +14.4 +22.7 +13.5	29. 22 34 . 42 27. 24 31. 82 15. 69	7 -2.4 1 3 +.3	$^{+3.2}_{-3.5}_{+6.0}_{+6.2}_{+19.7}$	38.4 35.5 39.4 39.8 46.3	-1.5 -2.7 -1.1 -1.1 +.1	+.5 -3.5 +1.9 +1.8 +5.7	75.6 97.4 68.0 80.0 33.5	+.8 +.3 +1.0 +.9 +1.1	+3.32+5.9+4.2+13.9	13
	Druggists' preparations. Explosives Fertilizers Paints and varnishes Rayon and allied products Soap	105. 1 123. 5 313. 5	2-4.1+2.85+.4-1.9	$^{+8.8}_{+20.9}_{+2.0}_{+6.1}_{+4.4}_{+5.6}$	129. 2120. 982. 5128. 5320. 4100. 3	$\begin{array}{r} -2.3 \\ -6.0 \\ +.5 \\ -1.5 \\ +2.0 \\ -1.8 \end{array}$	$^{+9.3}_{+27.2}_{+9.8}_{+11.5}_{+13.1}_{+5.7}$	24.76 32.08 14.27 28.44 26.24 28.12	-2.1 -2.0 -2.4 -1.0 +1.6 +.1	$^{+.4}_{+5.3}_{+6.1}_{+4.1}_{+8.4}_{2}$	39.6 38.2 34.0 39.7 38.8 39.4	-1.7 -3.2 7 -1.8 0 7	+.8 +1.3 2 +1.7 +2.4 +.1	59.583.942.071.867.671.3	$\begin{array}{c}8 \\ +1.3 \\ -1.7 \\ +.8 \\ +1.6 \\ +.9 \end{array}$	5 +4.0 +8.1 +2.4 +5.8 2	
Ru	bber products	59.1	$ \begin{array}{r} -3.2 \\ -6.4 \\ -1.5 \\ -4.0 \end{array} $	+10.7 +1.7 +10.6 +14.1	94. 1 56. 4 85. 6 144. 8	6.4 14.1 4.8 6.8	+14.5 -1.1 +15.3 +18.1	28.54 21.92 34.08 23.53	3 . 2 8. 3 3. 4 3. 0	+3.5 -2.7 +4.3 +3.4	36. 6 36. 0 35. 1 38. 5	3 . 8 8. 0 2. 7 -3. 5	+1.4 -2.5 +3.0 +.8	77. 6 60.8 96.5 61.7	0 4 9 +.6	+1.3 2 +.9 +3.0	

See footnotes at end of table,

	E	mployme	nt		Pay rolls	3	Averag	e weekly ings	y earn-		e hours per week		A verag	e hourly ings	earn-
Industry			Percentage change from—		Percentage change from		Janu-	Percentage change from—		Janu-	Percentage change from-		Janu-	Percentage change from—	
	ary 1940	De- cember 1939	Janu- ary 1939	Janu- ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939	ary 1940	De- cember 1939	Janu- ary 1939
Coal mining: Anthracite ³	51.591.866.637.563.1	$+1.0 \\9 \\ -1.0 \\ -14.8 \\ -1.0$	+3.0 +3.4 +6.3 -2.2 -5.7	52, 5 87, 0 63, 1 29, 8 58, 4	+97.0 +3.2 -2.9 -23.8 -1.4	+38.1 +11.2 +14.1 -1.3 -4.1	\$33.46 25.71 29.68 19.66 33.99	+95.0 +4.1 -1.9 -10.6 4	+34.1 +7.5 +7.3 +.9 +1.7	36. 8 29. 4 40. 6 34. 9 37. 5	+95.1 +4.5 -1.5 -11.8 9	$^{+34.7}_{+9.3}_{+1.2}_{-4.1}_{-4.1}$	Cents 91.9 87.6 73.5 56.3 88.8	$+0.8 \\ -1.6 \\3 \\ +.9 \\ +.6$	-1.1 -1.8 +6.3 +5.2 +1.4
Telephone and telegraph 4 5 Electric light and power 4 5 Street railways and busses 4 5 6 Trade:	76. 2 89. 0 68. 5	+.7 -1.3 7	$^{+1.5}_{+1.8}_{-(7)}$	98.6 101.1 69.3	$^{+1.2}_{-1.3}$ 5	+4.9 +4.0 -1.1	31, 79 34, 63 33, 26	$^{+.5}_{-(^2)}$ $^{+.2}$	+3.4 +2.1 -1.0	39. 2 39. 1 45. 4	$+1.1 \\ -1.6 \\ -1.4$	$+.1 \\ +1.5 \\ -2.4$	80. 5 88. 7 72. 0	5 + 1.8 + .8	$^{+1.4}_{-(2)}$ +.8
Wholesale 4 Retail 4 5 Food 5 General merchandising 4 5 Apparel 5	90.5 88.3 103.0 90.7 78.2	$\begin{array}{r} -1.8 \\ -15.3 \\ -2.8 \\ -38.0 \\ -21.9 \end{array}$	+2.5 +3.4 +3.0 +4.7 +1.7	77.3 80.8 95.3 84.3 73.6	$\begin{array}{r} -2.3 \\ -12.0 \\ -1.2 \\ -33.0 \\ -17.8 \end{array}$	+2.5 +4.1 +4.3 +4.5 +1.4	29.65 21.43 23.48 18.26 22.09	5 +3.9 +1.6 +8.1 +5.3	1 +.7 +1.2 3 3	40.6 43.0 43.5 39.2 39.7	-2.3 +.1 1 -2.8 +.6	-2.7 (*) (*) (*) (*)	72.9 54.1 52.2 46.2 55.1	$^{+1.9}_{+5.0}_{+1.4}_{+11.4}_{+11.4}$	+3.2 (⁷) (⁷) (⁷) (⁷)
Furniture ⁴ Automotive ⁵ Lumber ⁵ Hotels (year-round) ^{3 4 8} Laundries ³	76.0 81.1 69.6 91.4 95.8	-8.5 9 -5.2 +.7 +.3	1 +4.9 +1.2 4 +2.7	66. 8 72. 8 64. 4 81. 0 83. 3	-11.2 -4.6 -6.9 1 4	+1.4 +6.1 +2.7 +1.0 +4.6	28. 31 26. 69 25. 77 15. 39 17. 76	$\begin{array}{r} -2.9 \\ -3.8 \\ -1.9 \\7 \\7 \end{array}$	+1.5 +1.2 +1.5 +1.4 +1.9	43.5 47.2 41.6 46.2 42.9	-1.5 8 -2.9 4 +(2)	(7) (7) (7) +.3 +.7	67.8 56.7 63.3 33.2 41.5	+.6 -2.6 +.9 +.2 5	([†]) ([†]) ([†]) +1.8 +1.4
Dyeing and cleaning ³ . Brokerage ⁴ . Insurance ⁴ . Building construction.	93.9 (7) (7) (7) (7)	-3.6 9 +.6 16.7	-3 -2.6 +1.5 -1.5	65.8 (7) (7) (7) (7)	-5.8 -1.7 +2.6 -20.1	+(²) -2.6 +2.9 +3.9	19. 41 37. 15 37. 06 29. 74	$\begin{array}{r} -2.3 \\8 \\ +2.0 \\ -4.0 \end{array}$	$^{+.3}_{+(^2)}_{+1.3}_{+5.3}$	39.9 (⁷) (⁷) 30.8	-3.8 (7) (7) -6.0	-2.9 (⁷) (⁷) +1.6	49.9 (⁷) (⁷) 97.0	+.9 (⁷) (⁷) +2.4	+3.6 (⁷) (⁷) +3.7

TABLE 3.-Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries, January 1940-Continued NONMANUFACTURING [Indexes are based on 12-month average, 1929=100]

¹ Revised series. Mimeographed sheets giving averages by years, 1932 to 1938, inclusive, and by months, January 1938 to September 1939, 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 Less than ½ of 1 percent. ³ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of this publication.

⁴ Average weekly earnings, hourly earnings, and hours not strictly 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. ⁵ Retail trade indexes adjusted to 1935 census and public utility indexes to 1937 census. Comparable series for earlier months available upon request. ⁶ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "electric-railroad and motorbus operation and maintenance."

⁷ Not available. ⁸ Cash payments only; value of board, room, and tips not included.

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TABLE 4.-Employment, Pay Rolls, Hours, and Earnings in Manufacturing and Nonmanufacturing Industries

MANUFACTURING

[Indexes are based on 3-year average, 1923-25=100, and are adjusted to 1937 Census of Manufactures for all industries except automobiles. Not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

	Empl	loyment	index	Ра	y-roll ind	lex		erage wee			e hours oer week		Av	erage hou earnings	urly 1
Industry	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939
All manufacturing	101. 5	104.1	103.8	98, 3	103. 7	101.6	\$25, 51	\$26. 26	\$25, 73	37.4	38.6	38, 5	Cents 66.3	Cents 66. 2	Cents 65. 3
Durable goods Nondurable goods	97.4 105.3	100. 0 108. 0	98. 2 109. 2	98. 2 98. 5	104.6 102.8	100, 9 102, 4	28, 96 21, 87	30. 04 22. 30	29. 41 22. 03	38. 1 36. 9	39.6 37.7	39.6 37.6	72.7 60.7	72.7 60.5	71. 5 59. 9
Durable goods								u			=				
Iron and steel and their products, not including machinery. Blast furnaces, steel works, and rolling mills. Bolts, nuts, washers, and rivets. Cast-iron pipe. Cutlery (not including silver and plated cutlery) and edge tools. Forgings, iron and steel. Hardware. Plumbers' supplies. Stamped and enameled ware. Steam and hot-water heating apparatus and steam fittings. Stoves. Structural and ornamental metalwork. Tio cans and other tinware. Tools (not including edge tools, machine tools, files, and saws).	108. 3 120. 9 117. 2 74. 4 104. 6 72. 3 103. 5 82. 2 158. 0 83. 2 78. 0 78. 0 78. 0 78. 0 93. 6 96. 1 171. 9	111. 4 123. 3 119. 8 77. 5 108. 7 72. 6 105. 6 83. 9 165. 6 86. 2 89. 3 75. 4 95. 4 95. 4 96. 9 176. 4	111. 1 121. 8 118. 3 77. 4 109. 3 70. 1 106. 4 83. 2 166. 3 87. 3 96. 0 76. 0 100. 6 95. 3 172. 8	106.3 119.3 124.4 64.8 93.3 85.8 108.9 70.8 160.2 73.9 64.6 62.6 96.9 97.5 188.8	115.3 129.2 143.5 71.7 101.9 88.2 117.6 77.7 77.9 9 78.5 67.2 100.4 102.0 204.4	114.7 127.3 142.4 73.9 101.7 83.7 118.6 77.6 171.3 79.8 88.4 67.1 105.4 97.3 199.7	29.07 31.25 25.87 21.14 23.28 32.27 26.01 25.02 24.05 27.20 23.75 23.46 25.71 27.31	30. 71 33. 19 29. 18 22. 43 33. 05 27. 44 26. 96 25. 01 28. 38 25. 24 28. 74 23. 82 26. 66 28. 81	30 , 55 33, 08 29, 32 23, 12 24, 22 32, 59 27, 58 27, 07 24, 49 28, 60 26, 51 28, 52 23, 70 25, 77 28, 73	37.6 37.1 37.9 35.1 39.0 41.3 38.8 36.8 37.9 38.7 35.7 37.9 37.9 37.9 41.3 39.3	39.4 39.0 42.7 37.9 41.3 42.1 40.2 39.4 39.4 39.4 40.2 39.4 40.2 38.0 38.6 43.0 40.9	39.6 39.2 43.0 39.4 41.3 41.8 40.3 39.7 39.3 40.1 39.3 39.3 39.3 38.9 41.7 41.1	76.6 84.1 59.8 60.8 78.2 67.0 68.0 63.8 70.4 66.7 72.7 61.9 62.6 69.5	77. 2 85. 1 68. 4 58. 7 60. 2 78. 6 68. 0 68. 4 63. 4 70. 5 66. 9 73. 1 - 61. 9 62. 2 70. 5	76. 7 84. 7 68. 2 58. 3 59. 8 78. 1 68. 5 68. 2 62. 2 69. 9 67. 4 72. 5 61. 4 62. 0 70. 0
Machinery, not including transportation equipment. Agricultural implements (including tractors). Cash registers, adding machines, and calculat-	112.4 135.2	113. 1 130. 9	111.0 124.6	119.1 155.8	122.1 151.5	117. 1 140. 5	29. 74 30. 91	30 . 25 31, 07	29, 51 30, 27	40. 4 38. 9	41.3 39.3	40. 9 38. 7	73. 5 79. 6	73. 2 79. 3	72. 78.
Cash registers, adding machines, and calculat- ing machines.	126, 4	128.1	127.1	128.6	131.6	128.6	3 2.11	32.48	31.93	39.1	39.4	38.9	82.5	82.8	

See footnotes at end of table.

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

MANUFACTURING-Continued

[Indexes are based on 3-year average, 1923-25=100, and are adjusted to 1937 Census of Manufactures for all industries except automobiles. Not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

	Emp	loyment	index	Pa	y-roll in	dex		erage wee earnings			e hours v per week			age hour earnings	ly
Industry	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Dece m ber 1939	-Novem- ber 1939
Durable goods—Continued															
Machinery—Continued. Electrical machinery, apparatus, and supplies. Engines, turbines, water wheels, and wind-	101. 7	102.6	100.4	112. 4	114.2	109.6	\$29.67	\$29. 89	\$29.34	39.7	40.4	40.2	Cents 74.9	Cents 74.2	Cents 73.1
mills. Foundry and machine-shop products. Machine tools. Radios and phonographs. Textile machinery and parts. Type writers and parts.	125.3 97.2 196.8 136.2 86.2 122.6	119.8 97.2 192.2 162.3 85.7 127.3	109.8 95.4 183.9 179.7 84.3 128.0	161. 4 95. 2 258. 5 122. 2 83. 5 111. 3	156. 6 98. 6 256. 2 148. 8 85. 7 121. 5	139. 1 94. 3 237. 8 170. 3 82. 4 125. 7	$\begin{array}{c} 34.10\\ 29,27\\ 36,41\\ 22,22\\ 26,65\\ 22,27\end{array}$	34. 49 30. 35 37. 03 22. 71 27. 48 23. 41	33.46 29.43 35.91 23.47 27.01 24.09	42.6 40.4 47.4 37.0 40.6 34.9	43.0 41.7 48.2 38.6 41.5 36.6	42.1 40.9 47.0 40.3 41.2 37.9	80.4 72.6 76.9 59.8 65.8 63.7	80.5 72.7 77.0 59.0 66.3 64.0	79.9 72.0 76.4 58.3 65.7 63.4
Transportation equipment. Aircraft	115.52,029.7115.852.828.3137.5	116.5 1,886.0 118.1 52.1 28.0 139.4	102. 9 1, 749. 5 102. 3 46. 5 26. 1 132. 9	118.3 1,900.6 119.9 47.3 27.2 148.0	124. 1 1, 777. 9 127. 9 46. 8 27. 5 152. 8	105. 6 1, 718. 0 106. 0 40. 2 25. 1 141. 0	33 . 23 29. 21 34. 28 28. 06 29. 49 32. 32	34 . 51 29. 39 35. 81 28. 12 30. 12 32. 90	33. 26 30. 65 34. 25 27. 03 29. 54 31. 85	37. 4 41. 5 36. 7 38. 5 37. 7 38. 2	38. 5 42. 3 38. 1 38. 6 38. 6 38. 2	37.6 41.8 37.2 37.1 38.0 37.9	89.4 74.1 93.4 72.9 78.2 84.6	90. 1 73. 5 94. 0 72. 9 78. 1 85. 8	88.0 74.8 92.2 72.8 77.8 84.4
Nonferrous metals and their products. Aluminum manufactures. Brass, bronze, and copper products. Clocks and watches and time-recording devices. Jewelry.	109.7 169.5 135.7 90.6 89.0	112.9 170.4 137.7 93.1 98.6	113. 5 174. 3 137. 4 93. 1 107. 0	108.7 191.5 150.3 92.9 72.7	116.5 196.8 158.9 96.9 86.5	115. 4 195. 5 157. 0 99. 8 90. 9	27. 37 27. 62 30. 28 22. 75 22. 89	28.67 28.22 31.63 23.09 24.63	28. 26 27. 37 31. 39 23. 84 23. 94	39 . 2 39. 3 40. 5 38. 5 37. 7	40. 9 40. 3 41. 8 39. 1 40. 1	41. 0 40. 6 41. 7 40. 4 41. 0	70, 1 70, 1 75, 2 59, 5 60, 5	70. 3 70. 0 75. 8 59. 6 61. 2	69. (67. 4 75. 3 59. 1 57. 7
Lighting equipment ? Silverware and plated ware Smelting and refining—copper, lead, and zinc .	92.8 71.7 86.9	98.0 76.7 86.9	93.4 76.2 86.0	74.2 61.3 86.5	84.7 76.2 87.8	78. 2 75. 1 85. 3	25. 54 24. 74 27. 94	27.66 28.72 28.36	26. 84 28. 52 27. 80	36.2 38.9 38.9	39.5 44.2 39.6	39.5 44.0 39.1	70.6 63.0 71.9	70.0 65.1 71.7	68.0 65.2 71.3
Lumber and allied products Furniture Lumber:	67. 3 90. 3	71. 1 94. 8	73. 0 96. 8	58. 8 74. 6	65. 2 85. 5	68, 8 86, 2	19.10 19.95	20. 18 21. 87	20, 63 21, 63	36. 9 37. 4	38.6 40.3	39 . 7 40. 5	51. 2 53. 8	51. 3 54. 4	51. 53.
Millwork Sawmills	61.5 59.5	63.6 63.3	64.1 65.5	47.0 51.1	52.0 55.4	52.8 60.8	21. 27 17. 73	22.73 18.11	22.94 19.20	39.3 36.1	41.9 37.0	42.6 38.6	54. 2 49. 1	54.2 48.9	54. 49.

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Stone, clay, and glass products. Brick, tile, and terra cotta. Cement Glass Marble, granite, slate, and other products Pottery.		77.7 57.0 57.7 105.6 38.8 92.4	83.6 62.6 66.4 108.5 48.5 94.9	85.5 64.7 70.2 109.3 50.1 95.1	66. 9 43. 4 50. 5 113. 1 23. 9 80. 7	76. 4 51. 6 63. 2 118. 9 34. 8 90. 1	78, 9 54, 3 66, 5 121, 0 38, 5 89, 1	23. 58 19. 52 24. 96 26. 27 21. 54 22. 20	25. 01 21. 18 27. 33 26. 78 25. 00 24. 12	25. 24 21. 58 27. 06 27. 06 26. 76 23. 83	35. 1 34. 8 35. 5 35. 0 31. 4 37. 0	37.5 37.9 39.0 36.4 36.0 39.0	37. 9 38. 5 38. 8 36. 9 38. 0 38. 0	66.4 55.8 70.4 74.8 69.0 62.9	66.0 55.8 70.1 73.7 70.4 62.7	65.7 55.6 69.8 73.4 71.4 62.1
Nondurable goods			ĺ	ĺ												
Textiles and their products Fabrics Carpets and rugs Cotton goods Cotton small wares	1 1 1 1	103.7 96.1 82.3 95.9 87.5	105. 8 98. 7 84. 4 96. 8 91. 0	107. 9 100. 9 85. 2 96. 9 92. 9	87.6 84.8 72.3 89.0 81.4	91.8 89.5 75.8 91.5 87.3	92, 9 91, 7 75, 9 90, 9 90, 3	17. 26 17. 07 24. 31 15. 18 18. 05	$\begin{array}{c} 17.\ 72\\ 17.\ 54\\ 24.\ 86\\ 15.\ 43\\ 18.\ 61\end{array}$	17.68 17.64 24.67 15.36 18.89	34. 8 36. 0 36. 8 36. 8 36. 8 37. 9	3 5. 9 37. 2 37. 6 37. 6 39. 0	36 . 1 37. 4 37. 5 37. 4 39. 8	49. 9 48. 1 66. 2 41. 2 48. 4	49.7 47.9 66.1 41.0 48.1	49.3 47.7 65.7 41.0 48.1
Dyeing and finishing textiles Hats, fur-felt Hosiery Knitted outerwear Knitted underwear		129.790.9143.859.475.4	133. 291. 3148. 264. 878. 9	$134.2 \\88.4 \\154.6 \\77.7 \\80.8$	109.584.8146.147.466.0	116. 4 88. 7 159. 0 49. 9 72. 4	115. 2 73. 1 170. 0 63. 5 75. 0	$\begin{array}{c} 20.\ 64\\ 25.\ 26\\ 18.\ 49\\ 17.\ 12\\ 14.\ 78 \end{array}$	$\begin{array}{c} 21.\ 33\\ 26.\ 23\\ 19.\ 52\\ 16.\ 54\\ 15.\ 48 \end{array}$	20, 96 22, 41 19, 95 17, 62 15, 72	37.6 35.3 33.1 35.3 35.3	39. 1 36. 6 35. 4 34. 7 37. 0	38.7 31.4 36.0 37.2 37.5	54. 4 73. 3 55. 5 48. 4 42. 4	54.0 73.2 55.4 47.1 41.9	53. 7 71. 2 55. 4 46. 8 42. 1
Knitted cloth Silk and rayon goods Woolen and worsted goods. Wearing apparel Clothing, men's		$\begin{array}{c} 139.\ 9\\ 63.\ 2\\ 86.\ 5\\ 116.\ 1\\ 105.\ 5\end{array}$	144. 1 65. 2 91. 3 116. 9 105. 1	154.1 67.6 95.0 118.7 104.7	$112. 0 \\ 53. 1 \\ 73. 1 \\ 87. 4 \\ 80. 1$	116. 456. 878. 490. 280. 2	$131. \ 4 \\ 60. \ 0 \\ 81. \ 9 \\ 89. \ 2 \\ 76. \ 1$	18.51 16.03 19.46 17.85 19.60	18, 34 16, 58 19, 83 18, 26 19, 76	19. 27 16. 90 19. 89 17. 81 18. 84	37.6 35.0 36.2 32.4 32.9	37.0 36.5 37.1 33.5 33.5	39. 2 37. 4 37. 8 33. 7 32. 2	47. 9 45. 5 53. 7 53. 3 59. 0	48.7 45.2 53.4 53.3 59.2	48. 0 44. 9 52. 7 52. 5 58. 4
Clothing, women's Corsets and allied garments Men's turnishings Millinery Shirts and collars		$\begin{array}{c} 162.\ 2\\ 114.\ 8\\ 111.\ 5\\ 78.\ 7\\ 119.\ 5\end{array}$	$164.\ 6\\116.\ 0\\129.\ 0\\66.\ 1\\122.\ 6$	$\begin{array}{c} 168.\ 0\\ 116.\ 6\\ 136.\ 7\\ 66.\ 5\\ 127.\ 6\end{array}$	112. 8 110. 4 95. 0 58. 5 97. 7	$117. \ 4 \\ 119. \ 2 \\ 126. \ 0 \\ 46. \ 5 \\ 111. \ 0$	116. 1 120. 8 138. 8 48. 5 117. 5	$\begin{array}{c} 18.\ 74\\ 15.\ 87\\ 13.\ 15\\ 21.\ 47\\ 13.\ 11 \end{array}$	19. 24 16. 95 15. 13 20. 21 14. 47	$18. \ 64 \\ 17. \ 12 \\ 15. \ 73 \\ * \ 20. \ 94 \\ 14. \ 80$	32. 0 33. 3 32. 3 32. 3 32. 3 32. 0	$\begin{array}{c} 32.\ 6\\ 35.\ 7\\ 35.\ 2\\ 32.\ 5\\ 35.\ 5\end{array}$	33.6 36.6 37.4 32.5 36.1	52. 8 47. 1 40. 1 62. 6 41. 3	53.3 46.7 41.3 61.6 40.9	51. 8 46. 1 41. 1 63. 6 40. 9
Leather and its manufactures Boots and shoes Leather.		. 97. 4 95. 8 87. 4	93. 2 90. 8 87. 0	91. 9 89. 0 87. 9	82.3 79.1 86.1	75.4 70.2 86.5	71. 1 64. 6 87. 2	19.89 18.78 24.55	19.09 17.62 24.88	18. 20 16. 46 24. 76	37. 2 37. 0 38. 3	35. 7 34. 9 38. 8	33. 8 32. 5 38. 7	53. 4 50. 8 64. 2	53. 7 51. 1 64. 3	53. 9 51. 4 63. 9
Food and kindred products Baking Boverages Butter Canning and preserving		119.5 141.4 254.9 89.7 91.0	126.0 144.8 260.6 92.5 101.4	129.8 146.5 261.2 94.1 121.2	$117.\ 1\\131.\ 1\\278.\ 8\\75.\ 1\\80.\ 6$	124. 4 134. 1 298. 8 78. 1 89. 3	125.3 136.9 293.7 79.1 101.2	25. 32 25. 84 32. 13 22. 31 17. 41	25, 48 25, 83 33, 56 22, 51 17, 37	24. 80 25. 97 32. 89 22. 49 16. 53	39. 7 40. 9 36. 9 45. 0 35. 4	40.5 41.0 38.5 45.8 35.6	40. 1 41. 7 37. 7 46. 1 34. 5	64. 1 63. 5 87. 7 49. 2 50. 5	63.3 63.3 88.0 48.8 50.6	62.5 62.7 88.1 48.4 49.0
Confectionery. Flour Ice cream Slaughtering and meat packing Sugar, beet Sugar refining, cane	1 A - W - W 	$\begin{array}{c} 82.9\\79.0\\66.1\\111.8\\67.8\\90.1\end{array}$	96. 0 78. 7 68. 0 112. 1 191. 9 95. 2	98. 0 77, 9 69, 3 107, 9 286, 8 93, 8	$\begin{array}{r} 81.\ 2\\ 73.\ 4\\ 55.\ 6\\ 118.\ 9\\ 62.\ 6\\ 72.\ 6\end{array}$	99. 8 72. 2 57. 3 121. 5 173. 5 75. 8	$\begin{array}{c} 96.\ 2\\ 70.\ 5\\ 57.\ 8\\ 112.\ 7\\ 283.\ 0\\ 77.\ 4 \end{array}$	$19.07 \\ 25.18 \\ 29.55 \\ 27.94 \\ 23.98 \\ 22.68$	$\begin{array}{c} 20,25\\ 24,83\\ 29,62\\ 28,51\\ 23,54\\ 22,39 \end{array}$	19.0624.4829.3227.4525.6923.21	$\begin{array}{c} 38.\ 4\\ 41.\ 2\\ 44.\ 3\\ 41.\ 2\\ 34.\ 8\\ 35.\ 0 \end{array}$	$\begin{array}{c} 41.\ 4\\ 40.\ 8\\ 45.\ 2\\ 42.\ 1\\ 45.\ 2\\ 36.\ 2\end{array}$	39, 5 40, 5 44, 1 40, 1 50, 3 36, 9	49.8 60.8 64.7 67.7 69.0 64.9	$\begin{array}{r} 49.\ 3\\ 60.\ 4\\ 64.\ 0\\ 67.\ 8\\ 53.\ 0\\ 61.\ 8\end{array}$	$\begin{array}{c} 48.8\\ 60.2\\ 64.2\\ 68.4\\ 51.6\\ 62.8 \end{array}$

See footnotes at end of table.

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

MANUFACTURING-Continued

[Indexes are based on 3-year average, 1923-25=100, and are adjusted to 1937 Census of Manufactures for all industries except automobiles. Not comparable to indexes published in pamphlets prior to August 1939. Comparable series available upon request]

	Emp	loyment	index	Pa	y-roll in	dex	Ave	erage wee earnings			ge hours per week			erage hou earnings	
Industry	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January ¹⁹ 4	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939	January 1940	Decem- ber 1939	Novem- ber 1939
Nondurable goods—Continued															
Tobacco manufactures Chewing and smoking tobacco and snuff Cigars and cigarettes	59.0 63.7 58.4	65.8 60.8 66.3	66. 4 61. 0 66. 9	52, 9 68, 1 51, 0	62.3 67.2 61.6	62. 9 67. 7 62. 2	\$16.52 17.33 16.35	\$17.47 17.90 17.37	\$17.50 17.92 17.40	33. 3 33. 2 33. 3	35 . 8 34. 2 36. 0	36. 6 34, 2 36, 9	Cents 49. 6 51. 8 49. 3	Cents 48, 9 52, 5 48, 4	Cents 47. 9 52. 4 47. 4
Paper and printing Boxes, paper Paper and pulp Printing and publishing:	115. 1 116. 2 114. 1	118.5 124.9 115.1	117.5 128.9 115.2	110. 0 121. 2 117. 6	116. 8 136. 9 122. 5	114. 2 145. 4 124. 6	28. 66 20. 75 25. 35	29. 51 21. 92 26. 19	29. 26 22. 60 26. 61	38. 1 37. 5 40. 0	39 . 4 40. 1 41. 6	39 . 5 41. 7 42. 5	78.4 55.9 63.5	78.3 55.0 63.1	77. 4 54. 5 62. 7
Book and job	$102.6 \\ 113.5$	104. 1 118. 7	101. 0 116. 6	91.6 105.7	94. 1 115. 0	88.7 109.3	31. 30 37. 55	31. 63 39. 04	30. 71 37. 81	38. 9 35. 7	39.6 36.7	38. 7 36. 1	81.5 101.8	80. 9 102. 7	80.6 101.6
Chemical, petroleum, and coal products Petroleum refining Other than petroleum refining Chemicals Cottonseed—oil, cake, and meal	121. 0 121. 6 120. 9 135. 8 103. 2	122. 3 122. 3 122. 3 137. 6 114. 9	122. 6 123. 7 122. 3 137. 7 119. 7	131. 0 133. 5 130. 3 159. 8 99. 3	133. 4 137. 6 132. 0 162. 3 110. 2	133. 1 137. 9 131. 6 161. 5 114. 8	29. 22 34. 42 27. 24 31. 82 15. 69	29. 61 35. 27 27. 35 32. 07 15. 64	29. 49 34. 94 27. 26 31. 86 15. 60	38.4 35.5 39.4 39.8 46.3	39. 0 36. 4 39. 8 40. 3 46. 2	38, 9 36, 1 39, 8 40, 3 46, 0	75. 6 97. 4 68. 0 80. 0 33. 5	75. 1 97. 2 67. 5 79. 6 33. 1	75. 1 97. 2 67. 4 79. 2 33. 0
Druggists' preparations Explosives Fertilizers Paints and varnishes Rayon and allied products Soap	118.5103.5105.1123.5313.583.5	$118.8 \\ 107.8 \\ 102.2 \\ 124.2 \\ 312.2 \\ 85.1$	117. 7 106. 1 91. 5 125. 1 313. 4 88. 6	129. 2120. 982. 5128. 5320. 4100. 3	132, 2 128, 7 82, 2 130, 5 314, 0 102, 1	131. 1 127. 6 75. 9 131. 5 310. 4 104. 4	24.76 32.08 14.27 28.44 26.24 28.12	$\begin{array}{c} 25.\ 37\\ 32.\ 74\\ 14.\ 65\\ 28.\ 75\\ 25.\ 82\\ 28.\ 09 \end{array}$	$\begin{array}{c} 25.\ 37\\ 32.\ 98\\ 15.\ 32\\ 28.\ 72\\ 25.\ 42\\ 27.\ 60 \end{array}$	39.6 38.2 34.0 39.7 38.8 39.4	40. 2 39. 5 34. 2 40. 3 38. 8 39. 7	40. 6 39. 9 34. 0 40. 2 38. 6 39. 6	59.5 83.9 42.0 71.8 67.6 71.3	60. 0 82. 8 42. 8 71. 4 66. 5 70. 7	59.5 82.6 45.1 71.5 65.9 69.7
Rubber products Rubber boots and shoes Rubber tires and inner tubes Rubber goods, other	90. 0 59. 1 73. 6 150. 3	93. 0 63. 1 74. 7 156. 5	93. 9 62. 3 74. 5 161. 3	94. 1 56. 4 85. 6 144. 8	100. 5 65. 7 89. 9 155. 4	99.8 66.6 85.9 162.6	28. 54 21. 92 34. 08 23. 53	29, 50 23, 90 35, 11 24, 19	28, 95 24, 51 33, 64 24, 55	36, 6 36, 0 35, 1 38, 5	38. 1 39. 1 36. 1 39. 9	8 8.0 40.1 35.1 4 0 .4	77.6 60.8 96.5 61.7	77.6 61.1 97.4 61.2	76. 8 61. 1 96. 1 61. 2

NONMANUFACTURING---Continued

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

· · · · · · · · · · · · · · · · · · ·	 														
Coal mining: Anthracite ³ Bituminous ³ Metalliferous mining Quarrying and nonmetallic mining Crude-petroleum production	 51. 5 91. 8 66. 6 37. 5 63. 1	51. 0 92. 6 67. 3 44. 0 63. 8	51. 3 94. 9 66. 5 47. 1 63. 8	52, 5 87, 0 63, 1 29, 8 58, 4	26. 6 84. 3 65. 0 39. 2 59. 2	42. 0 96. 3 63. 9 42. 9 59. 6	33. 46 25. 71 29. 68 19. 66 33. 99	17. 16 24. 65 30. 25 21. 99 34. 11	26. 90 27. 59 30. 36 22. 14 34. 31	36. 8 29. 4 40. 6 34. 9 37. 5	$18.9 \\ 28.1 \\ 41.2 \\ 39.5 \\ 37.8 \\$	28.831.441.540.138.3	91. 9 87. 6 73. 5 56. 3 88. 8	91, 2 88, 9 73, 7 55, 9 88, 3	9 2. 3 88. 8 73. 6 54. 8 87. 8
Public utilities: Telephone and telegraph 4.5. Electric light and power 4.5. Street railways and busses 4.5.6 Trade:	 76. 2 89. 0 68. 5	75. 8 90. 1 69. 0	76. 1 90. 3 69. 3	98.6 101.1 69.3	97. 4 102. 4 69. 6	96. 4 102. 5 69. 4	31. 79 34. 63 33. 26	31. 62 34. 64 33. 19	31. 22 34. 62 33. 02	39. 2 39. 1 45. 4	38. 8 39. 7 46. 0	39. 1 40. 0 45. 7	80. 5 88. 7 72. 0	80.9 87.1 71.5	80. 3 86. 5 71. 5
Wholesale 4. Retail 4 ⁵ Food ⁵ General merchandistion ^{4 5} Apparel ⁵	 90, 5 88, 3 103, 0 90, 7 78, 2	92. 2 104. 2 106. 0 146. 4 100. 1	92. 1 93. 3 103. 8 105. 9 90. 6	77.3 80.8 95.3 84.3 73.6	79. 1 91. 8 96. 5 125. 8 89. 5	79. 0 83. 6 94. 3 92. 4 82. 6	29. 65 21. 43 23. 48 18. 26 22. 09	29. 79 20. 11 23. 21 17. 05 20. 90	$\begin{array}{r} 30.\ 18\\ 20.\ 71\\ 23.\ 12\\ 17.\ 30\\ 21.\ 36\end{array}$	40. 6 43. 0 43. 5 39. 2 39. 7	41. 6 43. 0 43. 6 40. 3 39. 4	41.5 42.6 43.7 38.5 38.7	72, 9 54, 1 52, 2 46, 3 55, 1	71, 5 51, 5 51, 5 41, 5 53, 0	72. 4 53. 5 51. 9 44. 9 54. 6
Furniture ⁵ Automotive ⁵ Lumber ⁶ Hotels (year-round) ³ 4 ⁷ Laundries ³	 76.0 81.1 69.6 91.4 95.8	83. 1 81. 8 73. 4 90. 8 95. 6	80. 6 81. 4 75. 1 91. 8 95. 6	66. 8 72. 8 64. 4 . 81. 0 83. 3	75. 2 76. 3 69. 2 81. 1 83. 7	72. 1 75. 3 70. 7 81. 8 82. 9	28.31 26.69 25.77 15.39 17.76	$\begin{array}{c} 29.\ 16\\ 27.\ 73\\ 26.\ 33\\ 15.\ 51\\ 17.\ 88 \end{array}$	$\begin{array}{c} 28.\ 66\\ 27.\ 51\\ 26.\ 30\\ 15.\ 54\\ 17.\ 68\end{array}$	43. 5 47. 2 41. 6 46. 2 42. 9	44. 2 47. 6 42. 8 46. 4 42. 9	44. 1 47. 6 42. 8 46. 5 42. 4	$\begin{array}{c} 67.8\\ 56.7\\ 63.3\\ 33.2\\ 41.5 \end{array}$	67.4 58.2 62.7 33.1 41.7	67. 1 57. 9 62. 8 33. 2 41. 7
Dyeing and cleaning ³ Brokerage ⁴ ⁸ Insurance ⁴ ⁸ Building construction ⁸	 93.9 9 +.6 -16.7	97.4 8 $^{(10)}$ -6.9	97.8 9 1 -3.1	65.8 - 1.7 + 2.6 - 20.1	69.9 +1.7 +.9 -7.0	$70.8 \\ -1.2 \\ +.3 \\ -3.6$	19. 41 37. 15 37. 06 29. 74	19. 86 37. 44 36. 34 30. 91	19.8936.4436.2130.89	39. 9 (9) (9) 30. 8	41. 5 (⁹) (⁹) 32. 8	41. 2 (9) (9) 33. 4	49, 9 (⁹) (⁹) 97, 0	49. 5 (9) (9) 94. 3	50. 0 (*) (*) 92. 6

¹ Revised series. Mimeographed sheets, giving averages by years, 1932 to 1938, inclusive, and by months, January 1933 to September 1939, 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 Average weekly earnings, average hours, and average hourly earnings mot comparable for average weekly earnings, \$26.86; average hours, 39.1; average hourly earnings,

68.7 cents.

³ Indexes adjusted to 1935 census. Comparable series back to January 1929 presented in January 1938 issue of this publication.

⁴ Average weekly earnings, hourly earnings, and hours not strictly comparable with figures published in pamphlets prior to January 1988 as they now exclude corporation officers, executives, and other employees whose duties are mainly supervisory.

⁵ Retail trade indexes adjusted to 1935 census and public utility indexes to 1937 census. Comparable series for earlier months available upon request. ⁶ Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies; formerly "electric-railroad and motorbus operation and meintenance."

⁷ Cash payments only; additional value of board, room, and tips not included. ⁸ Indexes of employment and pay rolls are not available; percentage changes from preceding month substituted.

9 Not available.

¹⁰ Less than ¹/₁₀ of 1 percent.

*Average weekly earnings not comparable to previously published average because of change in reporting sample due to addition of new firms. Comparable October figure is \$21.53.

]	Emplo	ymen	t					
Industry	A ⊽.					-	19	39						1940
	1939	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Jan.
Manufacturing														
All industries Durable goods ³ Nondurable goods ⁴	96.8 87.8 105.5	82.3	83.3	84.1	94. 1 84. 8 103. 0	84.0	84.6	83.0	83.9	100.2 89.8 110.2	96.1	98.2	100.0	97.4
Nonmanufacturing														
Anthracite mining 5 Bituminous-coal mining 5 Metalliferous mining Quary ying and nonmetallic	50, 6 78, 6 62, 7	50.0 88.7 62.6	52, 2 88, 6 60, 9	51.7 87.4 61.0	25.9	52, 6 47, 9 61, 9	51.2 78.3 61.6	79.4		85.4	93.0	94.9	92.6	51.5 91.8 66.6
mining Crude-petroleum produc-	44.6	38. 3	37.9		43.0		47.3						44.0	37.
tion Telephone and telegraph 6 Electric light and power 6 Street railways and bus-	65. 8 75. 8 89. 0	67. 0 75. 1 87. 4	66.4 74.3 86.9	74.4	75.1	66. 1 75. 8 88. 2	67.0 76.4 89.2	67.3 76.5 90.0	66.7 76.6 90.6	76.4 90.6	76. 5 90. 4	63.8 76.1 90.3	75.8	63. 76. 2 89. (
ses ⁶ ⁷ Wholesale tradc Retail trade ⁶ Year-round hotels ⁶ Laundries ⁵ Dyeing and cleaning ⁵	69.0 89.2 89.8 92.0 95.9 101.3	68.6 88.3 85.4 91.8 93.3 94.2	68.7 87.9 84.9 92.6 92.8 92.1	86. 9 92. 7 92. 9	87.3 88.5 93.2 93.5	93. 9 95. 5	92. 8 98. 7	87.9 87.2 90.3 100.0	86.3 89.8 99.1	90.5 90.5 91.3	91.7 92.9 96.0	93, 3 91, 8 95, 6	92.2 104.2 90.8 95.6	88.3 91.4 95.8
								rolls						
Manufactu r ing							Iay							
All industries Durable goods ³ Nondurable goods ⁴	90, 8 85, 2 97, 0	83.7 76.0 92.4	86. 0 77. 7 95. 3	87, 6 79, 4 96, 7	79.5	85. 0 78. 8 91. 9	86. 5 80. 7 93. 0	84. 4 76. 0 93. 7	81.5	93. 8 87. 8 100. 5	99.6	100.9	104.6	98. 3 98. 2 98. 5
Nonmanufacturing														
Anthracite mining ⁵ Bituminous-coal mining ⁵ Metalliferous mining	39.5 69.9 56.0	38, 0 78, 2 55, 3	45, 2 81, 2 53, 4	77.8	43. 4 17. 6 52. 6	57. 0 20. 4 54. 1	$36.1 \\ 66.5 \\ 53.8 $				52. 2 97. 6 63. 4	42. 0 96. 3 63. 9		52, 5 87, 0 63, 1
Quarrying and nonmetallic mining Crude-petroleum produc-	38. 7	30. 2	29.7	33. 1	35. 9	39. 7	41. 7	40.9	42.9	42. 7	45.6	42. 9	39. 2	29.8
tion Telephone and telegraph ⁶ -	61. 0 95. 6 100. 4	60, 9 93, 9 97, 3	62.7 93.6 97.7	61, 3 93, 8 98, 2	60, 8 94, 0 98, 3	61. 2 95. 7 99. 9	62.5 95.7 101.2	61. 9 96. 6 101. 1	96.3		58. 8 97. 2 102. 0	59.6 96.4 102.5	59.2 97.4 102.4	58.4 98.6 101.1
ses ⁶⁷ Wholesale trade Retail trade ⁶ Year-round hotels ⁵ Laundries ⁵	69.5 76.6 80.8 81.2 83.1	70.0 75.5 77.6 80.2 79.6	68.7 74.6 76.5 82.8 78.6	69.3 74.7 77.7 81.1 79.3	68.4 74.8 79.6 81.9 79.9	68.9 74.9 79.9 82.4 83.9	70.0 75.8 81.1 82.0 86.9	69.4 75.8 79.5 79.1 88.0	69.8 76.2 78.0 79.2 85.9	80.9 80.4	83. 2 82. 2	69. 4 79. 0 83. 6 81. 8 82. 9	79.1 91.8 81.1	69. 3 77. 3 80. 8 81. 0 83. 3
Dyeing and cleaning 5	73.6	65.8	63.2	67.7	73. 3	83.0	84.2		73.0	78.3	77.3	70.8		

TABLE 5.—Indexes of Employment and Pay Rolls in Selected Manufacturing¹ and Nonmanufacturing² Industries, January 1939 to January 1940, Inclusive

¹ 3-year average 1923-25=100—adjusted to 1937 Census of Manufactures. ² 12-month average for 1929=100. Comparable indexes for 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

1935 and subsequent issues of MONTHLY LABOR REVIEW. For other nonmanuterorung, includes and 6.
Includes: Iron and steel, machinery, transportation equipment, nonferrous metals, lumber and allied products, and stone, clay, and glass products.
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.
Indexes have been adjusted to the 1935 census. Comparable series from January 1929 forward are presented in January 1938 and subsequent issues of EMPLOYMENT AND PAY ROLLS.
Retail trade indexes adjusted to 1935 census and public utility indexes to 1937 census. Comparable series January 1929 to December 1939 available in mimographed form.
Covers street railways and trolley and motorbus operations of subsidiary, affiliated, and successor companies.

TREND OF INDUSTRIAL AND BUSINESS EMPLOYMENT, BY STATES

21

A comparison of employment and pay rolls, by States and geographic divisions, in December 1939 and January 1940 is shown in table 6 for all groups combined and for all manufacturing industries combined based on data supplied by reporting establishments. The percentage changes shown, unless otherwise noted, are unweighted—that is, the industries included in the maunfacturing group and in the total for all groups have not been weighted according to their relative importance.

The totals for all manufacturing industries combined include figures for miscellaneous manufacturing industries in addition to the 90 manufacturing industries presented in table 3. The totals for all groups combined include all manufacturing industries, each of the nonmanufacturing industries presented in table 3 (except building construction), and seasonal hotels.

Similar comparisons showing only percentage changes are available in mimeographed form for all groups combined, all manufacturing, anthracite mining, bituminous-coal mining, metalliferous mining, quarrying and nonmetallic mining, crude-petroleum production, public utilities, wholesale trade, retail trade, hotels, laundries, dyeing and cleaning, and brokerage and insurance.

 TABLE 6.—Comparison of Employment and Pay Rolls in Identical Establishments in

 December 1939 and January 1940, by Geographic Divisions and by States

		Tota	al—all g	roups			Ma	nufactu	iring	
Geographic divi- sion and State	Num- ber of estab- lish- ments	Num- ber on pay roll January 1940	Per- cent- age change from De- cem- ber 1939	Amount of pay roll (1 week) January 1940	Per- cent- age change from De- cem- ber 1939	Num- ber of estab- lish- ments	Num- ber on pay roll January 1940	Per- cent- age change from De- cem- ber 1939	Amount of pay roll (1 week) January 1940	Per- cent- age change from De- cem- ber 1939
New England Maine New Hampshire. Vermont Massachusetts Rhode Island Connecticut.	12, 472 839 627 475 2 7, <i>569</i> 1, 129 1, 833	805, 248 57, 837 42, 242 18, 063 <i>480, 520</i> 94, 835 211, 751	-1.5 -2.0 -5.4 -4.7	405, 418 11, 592, 294 2, 114, 235	$ \begin{array}{c c} -1.2 \\ -1.2 \\ -7.7 \\ -3.9 \\ -7.0 \\ \end{array} $	273 198 148 1,801 393	286, 502	3 8 -5.8 -1.3	739, 844 251, 002 6, 588, 271 1, 643, 015	1 -(1) -10.3 -2.4
Middle Atlantic New York New Jersey Pennsylvania	31, 017 18, 905 3, 574 8, 5 38		-6.8 -3.7	59, 498, 197 26, 591, 804 9, 684, 530 23, 221, 863	-5.7 -5.4	³ 2, 773 1, 613	305, 641	-1.9 -3.1	36, 219, 770 1 <i>3, 139, 493</i> 8, 115, 752 1 <i>4, 964, 525</i>	-3.5 -5.5
East North Central Ohio Indiana Illinois Michigan Wisconsin	7,685 2,735 5 6,565 4,448 6 3,826	2, 234, 343 566, 409 243, 522 631, 828 551, 182 241, 402	-5.5 -5.5 -4.2 -4.2	63, 253, 330 15, 768, 179 <i>6, 405, 462</i> 17, 173, 416 17, 597, 563 <i>6, 308, 710</i>	8.0 -8.7 -4.8 -5.4	2,263 1,044 2,375 1,002	1, 690, 250 429, 625 196, 945 425, 758 466, 104 171, 818	-2.2 4-4.9 -2.1 -2.8	49, 068, 662 12, 334, 561 <i>5, 291, 535</i> <i>11, 554, 378</i> <i>15, 346, 124</i> <i>4, 542, 064</i>	-7.3 4 -8.1 -4.3 -3.0

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

See footnotes at end of table.

TABLE 6.—Comparison of Employment and Pay Rolls in Identical Establishments in December 1939 and January 1940 by Geographic Divisions and by States-Continued

[Figures in italics are not compiled by t

ureau of Labor Statistics, but are taken from reports issued by .ting State organizations]

· <u>·</u> ··································		Tots	al—all g	roups			Ma	nufactu	ring	
Geographic divi- sion and State	Num- ber of estab- lish- ments	Num- ber on pay roll January 1940	Per- cent- age change from De- cem- ber 1939	Amount of pay roll (1 week) January 1940	Per- cent- age change from De- cem- ber 1939	Num- ber of estab- lish- ments	Num- ber on pay roll January 1940	Per- cent- age change from De- cem- ber 1939	Amount of pay roll (1 week) January 1940	Per- cent- age change from De- cem- ber 1939
West North Central. Minnesota Iowa Missouri North Dakota South Dakota Nebraska Kansas.	⁸ 2, 536 1, 906 3, 111	444, 978 124, 201 64, 858 162, 512 4, 392 6, 535 27, 709 54, 771	$ \begin{array}{r} -5.7\\ -8.0\\ -3.8\\ -4.4\\ -7.0\\ -2.0\\ -6.9\\ 1^{0}-22.4 \end{array} $	$\begin{array}{c} 1,605,702\\ 3,974,207\\ 109,564\\ 153,559\\ 638,976 \end{array}$	-3.2 -4.4 -2.8 -4.5 -4.8		220, 084 50, 739 38, 489 93, 314 396 2, 654 9, 430 <i>25, 062</i>	$ \begin{array}{r} -2.2 \\ -4.4 \\ -1.6 \\6 \\ -2.9 \\ +2.6 \\ -6.2 \\ -2.8 \end{array} $	$ \begin{array}{r} 10,079\\67,862\\243,098\end{array} $	$ \begin{array}{r} -3.2 \\ -3.3 \\ -3.3 \\ +2.3 \\ -4.3 \end{array} $
South Atlantic Delaware	10, 031 237 1, 555	900, 938 16, 420 <i>150, 82</i> 8	-3.5			78	614, 768 11, 453 109, 832	-1.3	11, 588, 198 277, 399 2, 761, 712	-4.0
District of Co- lumbia	$\begin{array}{c} 1,051\\ 1,693\\ 1,189\\ 1,440\\ 706\\ 1,219\\ 941 \end{array}$	$\begin{array}{c} 39,959\\ 120,066\\ 140,324\\ 168,300\\ 86,228\\ 130,232\\ 48,581\end{array}$	-4.0 -3.5 -2.9 3 +4.7	2, 381, 125 3, 574, 877 2, 663, 585 1, 305, 308 1, 997, 075	-4.1 -4.5 -1.4 -4.6	430 195 659 249 370		$\begin{array}{r} -2.8 \\ -1.2 \\ -3.6 \\ -1.2 \\ +.6 \\ -1.4 \\ -9.0 \end{array}$	1, 351, 754 2, 413, 858 1, 172, 955 1, 476, 070	-2.3 -8.5 -4.1 9 -4.5
East South Central Kentucky Tennessee Alabama Mississippi	4, 662 1, 389 1, 345 1, 340 588		-4.5 -5.7 -2.9	1,853,967 1,832,753 1,834,504	-5.5 -3.8	276 341 269	71,912 69,492	-3.0 -2.6 -3.3 -2.0 -7.9	795, 636 1, 333, 384 1, 202, 832	-2.8 -4.2 -4.3
West South Central Arkansas Louisiana Oklahoma Texas	4, 986 ¹¹ 771 986 1, 299 1, 930	201, 387 <i>26, 251</i> 52, 989 36, 391 <i>85, 756</i>	$\begin{vmatrix} -11.3 \\ -7.2 \\ -4.9 \end{vmatrix}$	440, 944 1, 054, 193 903, 265	-8.3 -8.4 -5.1	242 220 135		-3.9 -8.4 -6.6 -5.9 '+.1	301,371 536,866	-10.6 -9.9 -8.3
Mountain Montana Idaho Wyoming Colorado New Mexico Arizona Utah Nevada	3, 926 581 476 323 1, 149 276 413 553 155	$\begin{array}{c} \textbf{119, 615}\\ \textbf{17, 164}\\ \textbf{10, 086}\\ \textbf{7, 729}\\ \textbf{39, 608}\\ \textbf{5, 671}\\ \textbf{16, 084}\\ \textbf{20, 926}\\ \textbf{2, 347} \end{array}$	$\begin{vmatrix} -8.1 \\ -15.9 \\ -6.7 \\ -6.3 \\ +(1) \\ -2.6 \end{vmatrix}$	495, 298 251, 035 222, 453 1, 050, 233 125, 812 469, 257 528, 040	$\begin{array}{c c} -15.7 \\ -2.1 \\ -2.1 \\ +1.5 \\ -1.3 \\ -7.1 \end{array}$	66 58 35 184 27 34 108	697 2, 693	$\begin{array}{r} -15.7 \\ -17.6 \\ -38.5 \\ -28.0 \\ -9.0 \\9 \\ -4.8 \\ -20.0 \\ -16.8 \end{array}$	$\begin{array}{c c} 116, 932\\ 56, 115\\ 34, 954\\ 396, 719\\ 13, 381\\ 65, 684\\ 140, 789\end{array}$	$\begin{array}{c c} -18.6 \\ -41.8 \\ -24.5 \\ -8.1 \\ -2.7 \\ -5.1 \\ -20.8 \end{array}$
Pacific	10, 130 2, 449 1, 118 1 ² 6,563	474, 616 87, 385 41, 896 <i>345, 335</i>	-5.8 -7.5	13, 567, 598 2, 382, 609 1, 064, 688 <i>10, 120, 301</i>	-3.7 -7.9	513 283		-2.8 -1.7 -8.1 -2.3	1,451,476 622,425	$-1 \\ -9.8$

1 Less than 1/10 of 1 percent.

¹ Less than ½% of 1 percent.
² Includes banks and trust companies; construction, municipal, agricultural, and office employment; amusement and recreation; professional services; and trucking and handling.
³ Includes laundering and cleaning; and water, light, and power.
⁴ Weighted percentage change.
⁵ Includes construction but not public works.
⁷ Does not include logging.
⁸ Includes banks; real estate; pipe-line transportation; motor transportation (other than operation and maintenance); water transportation; hospitals and elinics; and personal, business, mechanical repair, and miscellaneous services.
⁹ Includes financial institutions, miscellaneous services, and restaurants.

¹⁸ Includes set vices.
 ⁹ Includes financial institutions, miscellaneous services, and restaurants.
 ¹⁰ Weighted percentage change, including hired farm labor.
 ¹¹ Includes automobile dealers and garages; and sand, gravel, and building stone.
 ¹² Includes banks, insurance, and office employment.

INDUSTRIAL AND BUSINESS EMPLOYMENT IN PRINCIPAL METROPOLITAN AREAS

A comparison of employment and pay rolls in December 1939 and January 1940 is made in table 7 for 13 metropolitan areas, each of which had a population of 100,000 or over in 1930. Cities within these areas but having a population of 100,000 or over, are not in-Footnotes to the table specify which cities are excluded. cluded. Data concerning them have been prepared in a supplementary tabulation which is available on request. The figures represent reports from cooperating establishments and cover both full- and part-time workers in the manufacturing and nonmanufacturing industries presented in table 3, with the exception of building construction, and include also miscellaneous industries.

Revisions made in the figures after they have gone to press, chiefly because of late reports by cooperating firms, are incorporated in the supplementary tabulation mentioned above. This supplementary tabulation covers these 13 metropolitan areas as well as other metropolitan areas and cities having a population of 100,000 or more according to the 1930 Census of Population.

Metropolitan area	Number of estab- lishments January 1940	Number on pay roll January 1940	Percentage change from December 1939	Amount of pay roll (1 week) January 1940	Percentage change from December 1939
New York ¹ Chicago ² Philadelphia ³ Detroit Los Angeles ⁴ .	4, 328 2, 250 1, 609 2, 022	616, 432 454, 979 209, 975 360, 209 164, 150	-7.9 -4.6 -5.0 -3.7 -6.5	\$17, 026, 529 12, 830, 594 5, 758, 680 12, 252, 084 4, 751, 572	-7.3 -5.3 -5.3 -3.6 -6.7
Cleveland. St. Louis Baltimore. Boston * Pittsburgh.	1, 331 1, 136 2, 996 1, 166	119, 285 123, 356 115, 769 183, 304 192, 810	$\begin{array}{r} -7.1 \\ -3.7 \\ -5.7 \\ -6.2 \\ -4.5 \end{array}$	3, 452, 502 3, 121, 730 2, 925, 352 4, 669, 988 5, 697, 723	$ \begin{array}{c c} -8.6 \\ -4.9 \\ -5.6 \\ -4.9 \\ -7.2 \end{array} $
San Francisco ⁶ Buffalo Milwaukee	. 767	78, 238 72, 538 102, 996	-6.2 -4.4 -4.6	2, 326, 834 2, 036, 937 2, 913, 704	$ \begin{array}{c c} -6.7 \\ -6.4 \\ -5.4 \end{array} $

TABLE 7.—Comparison of Employment and Pay Rolls in Identical Establishments in December 1939 and January 1940 by Principal Metropolitan Areas

Does not include Elizabeth, Jersey City, Newark, or Paterson, N. J., or Yonkers, N. Y.
 Does not include Gary, Ind.
 Does not include Camden, N. J.
 Does not include Long Beach, Calif.
 Does not include Cambridge, Lynn, or Somerville, Mass.
 Does not include Oakland, Calif.

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Public Employment

Employment created by the Federal Government includes employment financed from both regular and emergency appropriations.

EXECUTIVE SERVICE OF THE FEDERAL GOVERNMENT

Statistics of employment and pay rolls for the executive service of the Federal Government in January 1940 and December 1939 are given in table 8.

TABLE 8Employment and Pay Rolls for the Executive Service of the United Stat	tes
Government, January 1940 and December 1939 ¹	

	[0	ubject to re	svisionj			
	E	mploymer	ıt		Pay rolls	
Class	January 1940	Decem- ber 1939 ²	Percent- age change	January 1940	December 1939 2	Percent- age change
Entire service: Total	936, 689	986, 742	-5.1	\$143, 963, 368	\$152, 256, 658	- 5. 4
Regular appropriation Emergency appropriation Force-account	793, 411 57, 604 85, 674	835, 814 57, 902 93, 026	-5.1 5 -7.9	$\begin{array}{r} 125,658,053\\7,410,060\\10,895,255\end{array}$	134, 163, 345 7, 396, 238 10, 697, 075	-6.3 +.2 +1.9
Inside the District of Columbia: Total	127, 418	127, 406	(3)	22, 794, 11 1	22, 599. 056	+.9
Regular appropriation Emergency appropriation Force-account	112, 280 8, 701 6, 437	$\begin{array}{r} 112,276\\ 8,853\\ 6,277\end{array}$	$\begin{array}{r} (3) \\ -1.7 \\ +2.5 \end{array}$	$\begin{array}{r} 20,392,222\\ 1,348,085\\ 1,053,804 \end{array}$	20, 254, 304 1, 381, 159 963, 593	+.7 -2.4 +9.4
Outside the District of Columbia: Total	809, 271	859, 336	-5.8	121, 169, 257	129, 657, 602	-6, 5
Regular appropriation Emergency appropriation Force-account	681, 131 48, 903 79, 237	723, 538 49, 049 86, 749	-5.9 3 -8.7	105, 265, 831 6, 061, 975 9, 841, 451	113, 909, 041 6, 015, 079 9, 733, 482	-7.6 +.8 +1.1

[Subject to revision]

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

² Revised. ³ Increase less than 1/10 of 1 percent.

CONSTRUCTION PROJECTS FINANCED BY THE PUBLIC WORKS ADMINISTRATION

Details concerning employment, pay rolls, and man-hours worked during January on construction projects financed by Public Works Administration funds are given in table 9, by type of project.

	Isubject to	revisionj				
	Wage e	arners	Monthly	Number of man-hours		Value of material
Type of project	Maximum number employed ²	Weekly average	pay-roll disburse- ments	worked during month	earn- ings per hour	orders placed during month
All programs	132, 538	108, 285	\$12, 327, 754	12, 783, 407	\$0.964	\$24, 474, 43
	Federal I	orojects fi	nanced from Act fu		lustrial I	lecovery
All projects	\$ 815	736	\$65, 562	94, 507	\$0. 694	\$104, 253
Building construction Naval vessels Public roads 4	226 5 ([§])	181 5 243	20, 911 675 21, 423	18, 388 699 30, 082	1.137 .966 .712	41, 235 65 42, 900
Reclamation River, harbor, and flood control Water and sewerage Miscellaneous	107 54 157 23	101 36 147 23	12, 122 2, 004 5, 311 3, 116	$\begin{array}{r} 16,100\\ 3,354\\ 22,515\\ 3,369 \end{array}$.753 .597 .236 .925	4, 828 3, 300 11, 650 275
	Federal I	projects fii Apj	nanced from propriation A	Public Work et 1938 fund	as Admin ds	istration
All projects	14, 148	11, 850	\$1, 384, 718	1, 393, 766	\$0.994	\$1, 669, 918
Airport construction (exclusive of build- ings)	711 9, 721 748 1, 155 619 313 77 201 313 290	$\begin{array}{c} 649\\ 7,960\\ 685\\ 1,024\\ 525\\ 257\\ 73\\ 179\\ 279\\ 219\end{array}$	$\begin{array}{c} 68,145\\ 933,355\\ 86,037\\ 123,762\\ 55,227\\ 31,221\\ 7,897\\ 11,917\\ 29,777\\ 37,380\end{array}$	$\begin{array}{c} 98,816\\ 886,922\\ 63,279\\ 150,839\\ 62,074\\ 29,934\\ 9,964\\ 13,826\\ 36,320\\ 41,792 \end{array}$	$\begin{array}{r} .\ 690\\ 1.\ 052\\ 1.\ 360\\ .\ 820\\ .\ 890\\ 1.\ 043\\ .\ 793\\ .\ 862\\ .\ 820\\ .\ 820\\ .\ 894\end{array}$	$\begin{array}{c} 37, 784\\ 1, 284, 084\\ 143, 491\\ 117, 294\\ 211, 792\\ 31, 184\\ 9, 702\\ 7, 466\\ 13, 973\\ 3, 134\end{array}$
	Non-Federa	l projects	financed from Act fu	n National I Inde	nduetrial	Recovery
All projects 6	4, 458	3, 876	\$545, 463	549, 388	\$0.993	\$491, 973
Building construction f Railroad construction Streets and roads Water and sewerage. Miscellaneous.	2,571 35 383 40 1,429	2, 325 35 242 31 1, 243	$\begin{array}{r} 444, 952\\ 64\\ 16, 015\\ 2, 830\\ 81, 602 \end{array}$	339, 048 94 23, 749 1, 828 184, 669	$\begin{array}{r} 1.312\\ .681\\ .674\\ 1.548\\ .442\end{array}$	$290, 831 \\ 0 \\ 46, 739 \\ 5, 238 \\ 149, 165$
	Non-J Aj	Federal pr opropriati	ojects financo on Act 1935,	ed from Eme 1936, and 1	ergency H 937 fund	Relief s
All projects	9, 466	7, 929	\$862, 605	1, 120, 965	\$0.770	\$1, 323, 176
Building construction Electrification Heavy engineering Reclamation Streets and roads Water and sewerage Miscellaneous	1, 1249404, 998807191, 56414	961 777 4, 213 617 13 1, 340 8	$\begin{array}{r}107,900\\66,512\\442,820\\104,607\\305\\140,199\\262\end{array}$	$\begin{array}{r} 109,753\\98,640\\608,338\\132,203\\392\\171,158\\481 \end{array}$. 983 . 674 . 728 . 791 . 778 . 819 . 545	331, 589 152, 398 349, 674 21, 921 211, 000 261, 594 0
1 Determs for the mouth on the state	1741			<u>, </u>		· · · ·

TABLE 9.-Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, January 1940¹

[Subject to revision]

Data are for the month ending on the 15th.
 Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.
 Includes weekly average for public roads.
 Under the jurisdiction of the Public Roads Administration.
 Not available; weekly average included in total for all projects.
 Includes data for workers engaged in construction of underground tunnel who, because of the add-tional risk involved, were paid at rates higher than those usually paid for building construction.

forms of project	Wage e	arners	Monthly pay-roll	Number of man-hours	age	Value of material orders
Type of project	Maximum number employed	Weekly average	disturse- ments	worked during month	earn- ings per hour	placed during month
	Non-Feder		s financed fro propriation A			ministration
All projects	103, 651	83, 894	\$9, 469, 406	9, 624. 781	\$0. 984	\$20, 880, 115
Building construction Electrification Reclamation River, harbor, and flood control Streets and roads Water and sewerage Miscellaneous	15, 804	$\begin{array}{r} 43,364\\ 1,284\\ 13,056\\ 603\\ 104\\ 10,949\\ 14,450\\ 84\end{array}$	$\begin{array}{c} 4,672,429\\ 101.198\\ 1,808,060\\ 70,792\\ 10,041\\ 1,125,904\\ 1,676,147\\ 4,835\\ \end{array}$	$\begin{array}{r} 4,476,793\\ 134,474\\ 1,560,931\\ 86,923\\ 13,234\\ 1,415,063\\ 1,931,085\\ 6,278\end{array}$	$1.044 \\ .753 \\ 1.158 \\ .814 \\ .759 \\ .796 \\ .868 \\ .770$	9, 256, 158 587, 097 2, 960, 503 33, 053 15, 210 2, 059, 697 2, 419, 210 3, 549, 187

TABLE 9.—Employment and Pay Rolls on Projects Financed From Public Works Administration Funds, January 1940—Continued [Subject to revision]

UNITED STATES HOUSING AUTHORITY

Table 10 shows data for January 1940 on projects of the United States Housing Authority. These figures pertain only to new projects under the United States Housing Authority and not to those formerly under the Public Works Administration.

 TABLE 10.—Employment and Pay Rolls on Low-Rent Housing Projects Operated by the United States Housing Authority, January 1940

	Employ	ment	Monthly	Number of		Value of material				
Geographic division	Maximum Weekly disburs		pay-roll disburse- ments	man-hours worked during month	A verage earnings per hour	orders placed during month				
Nine divisions.	32, 313	26, 770	\$2, 987, 099	3, 016, 420	\$0.990	\$5, 616, 865				
New England Middle A flantic East North Central West North Central South Atlantic	$\begin{array}{c} 1, 294 \\ 9, 843 \\ 3, 092 \\ 567 \\ 8, 135 \end{array}$	1, 182 8, 016 2, 470 379 6, 881	$\begin{array}{r} 134,292\\ 1,123,672\\ 355,802\\ 43,632\\ 604,752\end{array}$	$\begin{array}{r} 127,770\\ 888,607\\ 307,189\\ 48,514\\ 780,227\end{array}$	$1.051 \\ 1.265 \\ 1.158 \\ .899 \\ .775$	94, 609 1, 648, 999 436, 526 41, 570 1, 694, 942				
East South Central. West South Central. Pacific. Outside continental United States.	5, 339 3, 320 466 257	4, 367 2, 886 369 220	$\begin{array}{r} 381,025\\ 276,992\\ 51,951\\ 14,981 \end{array}$	450, 857 341, 722 48, 614 22, 920	.845 .811 1.069 .654	1,034,856480,24379,640 $105,480$				

[Subject to revision]

¹ Maximum employed during any 1 week of the month.

WORK PROJECTS ADMINISTRATION PROGRAM

A record of employment, pay rolls, and man-hours worked on Federal agency projects financed by the Work Projects Administration and on projects financed and operated by the Work Projects Administration in January is shown in table 11, by type of project.

	Wage ea	arners	Monthly	Number of man-hours	Average	Value of material			
Type of project	Maximum number employed werage		p ay-roll disburse- ments	worked during month	earnings per hour	orders placed during month			
			Federal ager	cy projects					
All projects.	1 96, 663	92, 141	\$4, 411, 390	10, 778, 896	\$0. 409	\$600, 235			
Airport construction (exclusive of buildings) Electrification. Grade-crossing elimination ³ . Hydroelectric power plants ³ . Plant, erop, and livestock conserva- tion. Professional, technical, and clerical Public roads ² . Reclamation River, harbor, and flood control. Streets and roads Water and sewerage. Miscellaneous.	$\begin{array}{c} 1, 360\\ 41, 102\\ 1, 145\\ 8, 215\\ 206\\ 1, 069\\ 7, 368\\ 5, 304\\ 466\\ 18, 989\\ 642\\ 3, 251\\ 668\\ 7, 878\\ \end{array}$	$1, 351 \\ 38, 790 \\ 133 \\ 8, 163 \\ 171 \\ 1, 022 \\ 7, 210 \\ 5, 221 \\ 369 \\ 18, 300 \\ 538 \\ 2, 985 \\ 586 \\ 7, 302 \\ 133 \\$	$\begin{array}{c} 64,239\\ 5,686\\ 397,163\\ 8,708\\ 38,127\\ 38,127\\ 387,715\\ 370,177\\ 32,722\\ 827,918\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 32,760\\ 105,893\\ 105,89$	$\begin{array}{c} 152,029\\ 4,357,585\\ 15,192\\ 979,095\\ 18,779\\ 154,093\\ 851,641\\ 628,421\\ 46,371\\ 2,167,612\\ 50,848\\ 376,888\\ 64,266\\ 907,076\end{array}$	$\begin{array}{r} .423\\ .439\\ .374\\ .406\\ .464\\ .247\\ .455\\ .589\\ .706\\ .382\\ .547\\ .281\\ .275\\ .233\\ \end{array}$	$\begin{array}{c} 3, 490\\ 296, 333\\ 522\\ 51, 500\\ 24, 552\\ 18, 910\\ 47, 080\\ 10, 122\\ 13, 466\\ 72, 283\\ 13, 800\\ 7, 756\\ 8, 096\\ 32, 302\\ \end{array}$			
	Projects operated by Work Projects Administra								
All projects.	³ 2, 191, 741		\$106, 141, 564	240, 335, 978	\$0. 442	(*)			

TABLE 11.—Employment and Pay Rolls on Projects Financed by the Work Projects Administration, January 1940 [Subject to revision]

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¹ Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work. ² These data are for projects under the jurisdiction of the Public Roads Administration. ³ These data are for projects under construction in Puerto Rico. ⁴ Data are for the calendar month. Not available by type of project. ⁴ Represents number of names on pay roll as of Jan. 31, 1940. ⁴ Data on a monthly basis are not available.

A record of employment, pay rolls, and man-hours worked on projects operated by the Work Projects Administration in December is shown in table 12, by type of project.

TABLE 12Employment	and	Pay	Rolls	on	Projects	Operated	by	the	Work	Projects
Administration	ı, by	Туре	of Pro	oject	, for Mor	ith of Deco	emb	er 19	39 1	

[Subject to revision]

Type of project	Number employed ²	Pay-roll disburse- ments	Number of man-hours worked	A verage earnings per hour
All projects.	 2, 069, 754	\$107, 658, 148	245, 842, 653	\$0. 438
Conservation Highway, road, and street Professional, technical, and clerical. Public buildings Publicly owned or operated utilities.	 $\begin{array}{c} 61, 672\\ 903, 613\\ 327, 728\\ 164, 411\\ 208, 992 \end{array}$	3, 093, 776 42, 328, 930 20, 685, 306 9, 585, 730 10, 787, 364	7, 200, 028 106, 003, 787 41, 115, 775 19, 641, 197 23, 789, 944	.430 .399 .503 .488 .453
Recreational facilities. Sanitation and health Sewing, canning, and gardening, etc Transportation Not elsewhere classified	 $125,893 \\ 36,229 \\ 169,528 \\ 23,543 \\ 48,145$	6, 905, 608 1, 724, 853 7, 745, 663 1, 468, 315 3, 332, 603	$\begin{array}{c} 14,689,651\\ 4,288,046\\ 20,165,120\\ 2,806,145\\ 6,142,960 \end{array}$.470 .402 .384 .523 .543

² Revised. ⁴ Data are as of Dec. 27, 1939.

NATIONAL YOUTH ADMINISTRATION

Employment and pay rolls on the National Youth Administration projects for December 1939 and January 1940 are shown in table 13.

TABLE 13.—Employment	and	Pay	Kolls	on	National	Youth	Administration	Projects,
	Dece	mber	1939	and	January	1940		
			fentio	+ +0	ravision			

[Subject to revision]

	Number of	employees	Amount of pay rolls		
Type of project	January	December	January	December	
Total	759, 824	729, 645	\$8, 674, 068	\$8, 395, 484	
Student work program Out-of-school work program	437, 457 322, 367	434, 350 295, 295	2, 858, 839 5, 815, 229	2, 967, 327 5, 428, 157	

CIVILIAN CONSERVATION CORPS

Employment and pay rolls in the Civilian Conservation Corps in December 1939 and January 1940 are presented in table 14.

TABLE 14.--Employment and Pay Rolls in the Civilian Conservation Corps, December 1939 and January 1940 1

[Subject to revision]

	Number of	employees	Amount of pay rolls		
Group	January 1940	December 1939	January 1940	December 1939	
All groups	336, 725	308, 569	\$14, 666, 446	\$13, 775, 996	
Enrolled personnel ² Nurses ³ Educational advisers ³ Supervisory and technical ³	300, 072 287 1, 686 34, 6 80	271,5842931,59135,101	9, 339, 218 39, 897 295, 325 4, 992, 006	$\begin{array}{r} 8,442,646\\ 40,056\\ 268,951\\ 5,024,343\end{array}$	

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

entire month. ³ January data include 4,381 enrollees and pay roll of \$97,023 outside continental United States; in Decem-ber the corresponding figures were 4,672 enrollees and pay roll of \$102,425. ³ Included in executive service, table 8.

CONSTRUCTION PROJECTS FINANCED BY RECONSTRUCTION FINANCE CORPORATION

Statistics of employment, pay rolls, and man-hours worked on construction projects financed by the Reconstruction Finance Corporation in January are presented in table 15, by type of project.

Type of project .				Number of man-hours worked during month Average earnings per hour		Value of material orders placed dur- ing month
All projects	•	2, 260	\$227, 685	239, 285	\$0.952	\$519, 921
Streets and roads Building construction ³ Water and sewerage		14 2, 109 137	1, 011 204, 540 22, 134	$\begin{array}{r}1,286\\216,550\\21,449\end{array}$. 786 . 945 1. 032	46, 528 455, 360 18, 033

TABLE 15.-Employment and Pay Rolls on Projects Financed by the Reconstruction Finance Corporation. by Type of Project, January 1940¹ [Subject to revision]

¹ Data are for the month ending on the 15th. ² Maximum number employed during any 1 week of the month by each contractor. ³ Includes 803 employees, pay-roll disbursements of \$75,852, 70,244 man-hours worked, and material orders placed of \$141,336 on projects financed by the RFC Mortgage Co.

CONSTRUCTION PROJECTS FINANCED FROM REGULAR FEDERAL APPROPRIATIONS

Data concerning employment, pay rolls, and man-hours worked on construction projects financed from regular Federal appropriations during January are given in table 16, by type of project.

TABLE 16.—Employment and Pay Rolls on Construction Projects Financed From Regular Federal Appropriations, by Type of Project, January 1940¹

	Number earn		Monthly	Number of man-	A verage earn-	Value of material orders	
Type of project	Maximum number employed ²	Weekly average	pay-roll disburse- ments	hours worked during month	ings per hour		
All projects.	³ 206, 945	189, 120	\$22, 259, 156	27, 883, 432	\$0.798	\$36, 963, 254	
Building construction Electrification:	21, 222	17, 514	1, 954, 016	2, 019, 059	. 968	3, 907, 514	
Rural Electrification Administra- tion projects ⁴	11, 864 192	$9,683 \\ 123$	642,657 7,653	1, 254, 119 12, 096	$.512 \\ .633$	2, 538, 806 1, 593	
Forestry Heavy engineering Public roads ⁵	(⁶)	$ \begin{array}{r} 34 \\ 60 \\ 25, 277 \end{array} $	1, 440 9, 059 2, 057, 109	3, 299 7, 678 3, 230, 536	.436 1.180 .637	552 1, 176 3, 428, 515	
Reclamation River, harbor, and flood control:	21, 539	20, 051	2, 621, 039	2, 924, 203	. 896	2, 658, 327	
Dredging, dikes, revetments, etc Locks and dams Ship construction:	28, 684 8, 355	$24,482 \\ 7,532$	2, 582, 594 1, 051, 524	3, 961, 355 1, 212, 021	$.652 \\ .868$	2, 876, 013 848, 383	
Naval vessels Other than naval vessels	62, 922 18, 197	$\begin{array}{c} 60,745\ 15,785 \end{array}$	8, 945, 145 1, 827, 645	10, 104, 965 2, 228, 698	. 885 . 820	10, 646, 51 3 8, 533, 785	
Streets and roads	2,812 354 5,423	2,496 238 5,100	191, 077 17, 668 350, 530	302, 429 23, 731 599, 243	.632 .745 .585	218, 485 43, 853 1, 259, 739	
	.,	-/	}	,		,	

[Subject to revision]

Data are for the month ending on the 15th.
 Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work.
 Includes weekly average for public-road projects.
 Financed by Rural Electrification Administration loans.
 Under the jurisdiction of the Public Roads Administration.
 Not available, weekly average included in the total for all projects.

STATE-ROADS PROJECTS

A record of employment and pay-roll disbursements in the construction and maintenance of roads financed wholly from State or local funds in January 1940, compared with December 1939, and January 1939, is presented in table 17.

TABLE 17.-Employment and Pay Rolls on Construction and Maintenance of State Roads, January 1940, December 1939, and January 1939¹

[Subject to revision]

	Numl	er of emplo	oyees 2	Pay-roll disbursements			
Item	January	December	January	January	December	January	
	1940	1939	1939	1940	1939	1939	
Total	119, 249	122, 882	143, 445	\$9, 017, 665	\$9, 030, 150	\$10, 243, 100	
New roads	16, 502	19, 066	15, 254	1, 091, 019	1, 246, 390	989, 610	
	102, 747	103, 816	128, 191	7, 926, 646	7, 783, 760	9, 253, 490	

¹ January 1940 data are for the calendar month; January and December 1939, for months ending on the 15th. Data are for projects financed wholly from State or local funds. ² Average number working during month.

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