

# **Union Wages and Hours**

## **Building Trades**

**July 1, 1948**

**Bulletin No. 951**

**UNITED STATES DEPARTMENT OF LABOR**

**MAURICE J. TOBIN, *Secretary***

**BUREAU OF LABOR STATISTICS**

**EWAN CLAGUE, *Commissioner***





## Letter of Transmittal

UNITED STATES DEPARTMENT OF LABOR,  
BUREAU OF LABOR STATISTICS,  
*Washington, D. C., January 26, 1949.*

The SECRETARY OF LABOR:

I have the honor to transmit herewith the annual report on union wages and hours in the building trades, as of July 1, 1948. This report a portion of which appeared in the January 1949 issue of the Monthly Labor Review was prepared in the Bureau's Division of Wage Analysis by Hilda W. Callaway.

EWAN CLAGUE, *Commissioner.*

HON. MAURICE J. TOBIN,  
*Secretary of Labor.*

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# Union Wages and Hours in the Building Trades, July 1, 1948

## Summary

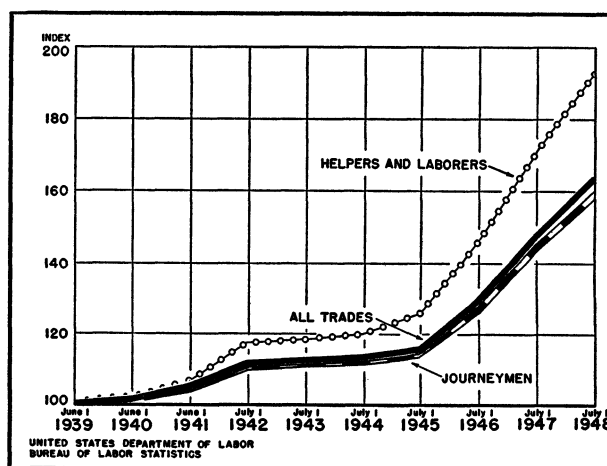
Basic hourly wage rates of union building-trades workers were at an all-time high in 1948, as construction activity and employment approached peak levels, according to the Bureau of Labor Statistics forty-first annual survey of union scales in the building construction industry.<sup>1</sup> Widespread rate adjustments between July 1, 1947, and July 1, 1948, advanced the general level of union pay scales by 11 percent—from \$1.91 to \$2.11 an hour. Additional increases granted during the last half of 1948 resulted in an estimated gain of about 3 percent for the combined trades, or a total rise of approximately 13 percent between July 1, 1947, and January 3, 1949.

Indexes of hourly wage rates on July 1, 1948, were 63.5 percent above 1939 (June 1) for all building trades, 59.4 percent for journeymen, and 92.7 percent for helpers and laborers (table 2).<sup>2</sup> Most of the rate advances occurred after the removal of wage controls in November 1946, although the increase was more than 11 percent in the first postwar year. The over-all gain during the 3-year period following VJ-day was considerably less than that which followed World War I—41 percent compared with 57 percent for a roughly comparable period (May 15, 1918, 6 months before the end of World War I, to May 15, 1921). The actual cents-per-hour adjustments between 1919 and 1920 closely paralleled those for each of the years after World War II. Contract renewals for journeymen crafts in the first year after World War I, as well as in each of the 3

years following World War II, typically provided increases of 25 cents an hour.

Although no information is available concerning nonunion rates of pay, the trend of union wage scales is believed to provide a fairly reliable gage of changes in basic wage rates for skilled and unskilled workers in urban centers for the entire building construction industry. The industry in general is highly organized, although in some cities, especially in the South, the construction work force (particularly for residential construction) is not predominantly union. The Bureau's 1948 annual survey covered more than 750,000 union building trades workers, or roughly a third of the estimated total construction employment for the United States at that time.

Chart 1.—Union Wage Scales in the Building Trades (June 1, 1939 = 100)



## Trends in Wage Rates and Earnings

An evaluation of the wage-rate movements in the building trades during World War II and the 3 postwar years with those in other segments of the labor force is difficult. Information on weekly or annual money wages of union construction workers is not available. It is generally accepted, however, that the relatively high level of union

<sup>1</sup> Union scales effective July 1, 1948, and covering 623,751 journeymen and 145,783 helpers and laborers employed in 77 cities ranging in population from 40,000 to more than 1,000,000, were included in the study. The data were obtained primarily by mail from local union officials.

Union scales are defined as the minimum wage rates or maximum schedule of hours agreed upon through collective bargaining between trade-unions and employers. Rates in excess of the agreed minimum which may be paid to union members because of long service, special qualifications, or other reasons, are not included.

<sup>2</sup> In the index series, year-to-year changes in the union scales are based on comparable quotations for each trade weighted by the membership for the current year.

scales reflects consideration of the seasonal and intermittent character of employment in the industry, as well as a high degree of skill.

Union building-trades workers' basic rates advanced about 61 percent (82 cents an hour) between June 1940 and July 1948. In manufacturing, the percentage increase (90) in wage rates exceeded that for all union building trades, but the cents-per-hour adjustment from January 1941 to July 1948 was considerably less—roughly about 63 cents. The rise in gross weekly and hourly earnings of private building construction workers<sup>3</sup> in both the war and postwar periods was greater than the rise in consumers' prices as shown by the figures below.

	Percent increase		
	June 1940 to July 1948	June 1940 to July 1945	July 1945 to July 1948
Union building trades:			
Hourly wage rates.....	61	14	41
All manufacturing:			
Estimated urban wage rate series <sup>1</sup> .....	90	33	43
Private building construction:			
Gross average hourly earn- ings.....	99	46	36
Average weekly earnings....	123	74	28
All manufacturing:			
Gross average hourly earn- ings.....	101	56	29
Average weekly earnings....	113	83	17
Consumer prices.....	73	29	34

<sup>1</sup> Based upon the Bureau's urban wage rate series and estimated from straight-time earnings data between 1947 and 1948.

<sup>3</sup> January 1941 to respective dates.

Over the whole period 1940 to 1948, the movement of earnings in private building construction compares favorably with that in manufacturing. These earnings data, of course, reflect the effects of many influences other than changes in basic wage rates, particularly shifts in employment volume between high and low wage areas, changes in nonunion residential construction wage rates, and changes in volume of employment at overtime rates. Construction earnings during the war period (June 1940–July 1945) rose several times higher than union rates; rates rose more than earnings during the postwar period (July 1945–July 1948). For the entire period, union construction scales rose by 61 percent as compared with an increase of 123 percent in average weekly earnings of private building construction workers.

<sup>3</sup> Employed by building contractors at the site.

This difference in movement between rates and earnings becomes especially significant when compared with the movement of consumers' prices, which increased by 73 percent during the war and postwar years. The advance in helpers' and laborers' pay rates during the 8-year period exceeded, but journeymen scales fell below, the rise in cost of living. The Bureau's consumers' price index is widely used as a yardstick for changes in union scales under collective-bargaining agreements, and provides an instrument for adjusting money wages in line with the changes in the prices of goods and services consumed by workers.

Comparisons of this type must be interpreted with caution. In terms of skill levels and accompanying wage and income differentials, there are, of course, dissimilarities between the union building-trades workers and the larger groups of private construction workers and the manufacturing workers.

The standard workweek (prior to payment of premium overtime) for the building trades as a whole did not change significantly during the postwar period. The most common maximum straight-time work schedule is still a 5-day, 40-hour workweek. In a few cities, a 30- or 35-hour workweek is usual for most classifications; in others, the shorter schedules apply principally to the journeymen trades. For the entire construction industry, hours worked on private on-site projects averaged 33.8 in June 1940; 40.1 in July 1945, and 37.8 in July 1948.

### The Individual Trades

Journeymen, comprising four-fifths of the union work-force studied, averaged \$2.25 on July 1, 1948. The increase in their average basic scale from July 1, 1947 was approximately the same as for all trades—10 percent, or 21 cents an hour. Helpers and laborers had a slightly larger percentage gain—13 percent, 17 cents an hour—as would be expected because of the lower level of their scales. Their general average of minimum pay was raised from \$1.32 to \$1.49.

Although only 6 percent of the workers did not receive an increase in basic rates during the 12-month period, the group included large segments of the workers in several trades. Two-fifths of the plasterers, a third of the paperhangers, a fourth of the lathers, and at least 1 out of every 14 asbestos workers, plumbers, painters, and

plasterers' laborers had the same minimum hourly rate in mid-1948 as in the preceding year. Some of these workers' scales have since been raised; in other instances, the July 1947 rates remained in effect because of long-term contracts.

The effect of postwar rate adjustments on the general wage level is readily evident when the distribution of union workers by hourly rates as of July 1, 1948, is compared with similar information for 1945. For example, in 1948 all bricklayers (traditionally the highest paid craft), had basic rates of at least \$2 an hour, three-fifths of them, \$2.50 or more. But in 1945, \$2 was the highest rate reported, and covered only about a fifth of the workers. Rates of carpenters and building laborers—the two most important trades numerically—were similarly distributed. In 1948, about 85 percent of the carpenters, in contrast to only 1 percent in 1945, were working under agreements providing for a minimum hourly rate of \$2. In the case of building laborers, less than a tenth in 1948, but more than half in 1945, had scales under \$1 an hour. On a percentage basis, the postwar increases in basic rates in these three trades were 47 percent for bricklayers, 43 percent for carpenters, and 55 percent for building laborers. Although year-to-year changes in the index of hourly wage rates are not affected by shifts in union membership,<sup>4</sup> it should be noted that there has been a substantial upward trend in union employment and, possibly, some migration from low-to high-wage rate areas where construction activity has expanded in the postwar years.

*Extent of Increases, 1947-48.* Among the 24 journeymen classifications studied, the average increase for all but 4 was at least 10 percent; the 4 exceptions were the crafts in which a sizable number of the workers did not receive pay increases. The most frequent wage increase in journeymen scales was 25 cents an hour. However, wage rates of significant numbers of workers (at least 10 percent) in some trades were increased by 10, 15, and 40 cents or more an hour. The average hourly increases for individual crafts varied from 11 cents for paperhangers to 33 cents for bricklayers.

Wage adjustments among the 9 helper and la-

borer classifications varied from 10 to 15 percent—from 14 cents for elevator constructors' helpers to 21 cents for helpers of both terrazzo workers and tile layers. Most of the helpers and laborers whose scales were raised received advances from 10 to 25 cents. However, hourly wage scales of a sixth of the plasterers' laborers and a fourth of the terrazzo workers' helpers—the noteworthy exceptions—were increased by 30 cents or more.

As noted in the preceding annual report,<sup>5</sup> rate differentials in terms of cents-per-hour between the journeymen trades and the helper and laborer trades have tended to widen in recent years. This is true for the industry as a whole, but not for every city. Partial explanation for the increasing differential, undoubtedly, is the scarcity of skilled labor in many localities, which has been reflected in the extension of apprenticeship programs and acceleration of the training process.

TABLE 1.—Differentials between union wage scales of journeymen and of helpers and laborers in selected building trades, United States, New York, and San Francisco, 1939-48

Date	Differences in union wage scales between—						
	(1) Journeymen and (2) helpers and laborers	Bricklayers and tenders			Plasterers and laborers		
		United States <sup>1</sup>	United States <sup>1</sup>	New York	San Francisco	United States <sup>1</sup>	New York
	Cents per hour						
1939: June 1.....	\$0.64	\$0.73	\$0.76	\$0.50	\$0.67	\$0.58	\$0.27
1945: July 1.....	.64	.74	.79	.48	.63	.58	.15
1946: July 1.....	.66	.77	.75	.48	.68	.62	.25
1947: July 1.....	.72	.88	.97	.50	.78	.90	.25
1948: July 1.....	.76	1.03	1.25	.56	.73	.90	.15
	Percentage						
1939: June 1.....	83	83	66	40	65	41	19
1945: July 1.....	66	70	65	34	54	41	9
1946: July 1.....	58	62	50	30	51	38	14
1947: July 1.....	54	61	54	29	49	43	13
1948: July 1.....	51	64	64	25	41	43	7

<sup>1</sup> Derived from average hourly rates computed by use of index numbers applied to the July 1, 1948, levels of wage rates.

Of course, journeymen trades have a historical bargaining advantage and in a tight labor market can probably exert more effective pressures than the lesser skilled groups. Dissimilar trends from city to city are largely reflections of collective bargaining at the local level and of variations in skill

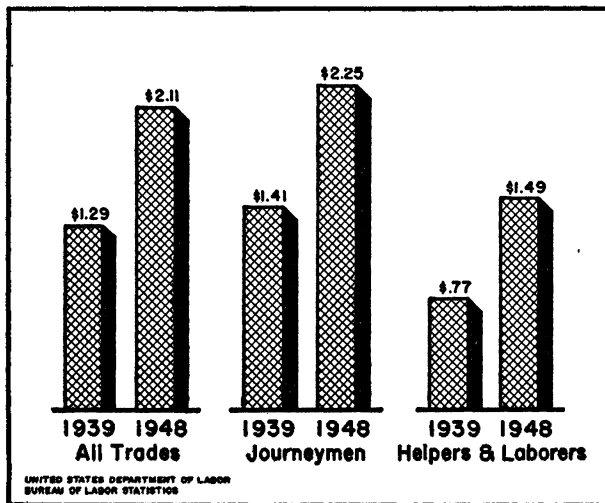
<sup>4</sup> Because individual quotations for the current and preceding years are both weighted by the membership reported at each rate for the current year.

<sup>5</sup> Bulletin No. 930 of the U. S. Bureau of Labor Statistics: *Union Wages and Hours in the Building Trades*, July 1, 1947, p. 2.

requirements for helpers and laborers. This is illustrated by the cents-per-hour differences shown in table 1.

The percentage differential in wage rates between journeymen trades and helper and laborer classifications as a whole narrowed appreciably from 1939 to 1948.<sup>6</sup> However, there was no similar decline between the two selected journeymen crafts and their helpers. In New York, for example, the percentage spread between bricklayers and tenders increased from 1946 to 1948.

**Chart 2.—Union Hourly Wage Rates in the Building Trades, June 1, 1939, and July 1, 1948**



The erratic fluctuations shown for San Francisco plasterers and their laborers reflect wage-rate adjustments for the laborers in 1945 and 1948, but the plasterers' scale remained unchanged.

### Intercity Variations

Because collective-bargaining relations are at the local level in the building trades, wage scales have always varied considerably from city to city except where union jurisdiction is fairly extensive and covers broad geographic areas or several adjacent cities. Wage trends are also influenced by the degree of organization and by major shifts in organization which may develop with a rise of mass-construction activity in new areas. The latter was of major significance during wartime,

<sup>6</sup> For a detailed analysis, see *Occupational Wage Differentials, 1907-47*, *Monthly Labor Review*, August 1948 (p. 127).

when construction needs often necessitated redistributions of the work force. It may also partially explain the large advances in some union workers' scales (e. g., in the Los Angeles area) during the war and postwar years.

Despite shifts of this nature, a few cities have maintained high ranking wage positions probably because of size, location, type of construction, degree of organization, and general wage levels—notably New York City and Newark. Although the \$3 or higher minimum journeymen scale was first achieved in these two cities, by July 1948 bricklayers and plasterers had similar minimum scales in several widely scattered cities. The scales for all journeymen in both Newark and New York City averaged \$2.74 in July 1948. The average scale of \$2.12 an hour for helpers and laborers in Newark, however, was 19 cents higher than the New York level, which may be largely due to the fact that building laborers in Newark had a 42½-cent advantage over those in New York. The Newark scale of \$2.125 an hour in mid-1948 was the highest ever recorded for building laborers. Percentage and cents-per-hour increases in wage scales from July 1, 1947 to July 1, 1948, are shown in table 3, for all trades combined and for the journeymen and helper and laborer groups in selected cities.

When the various cities are grouped according to population, average scales for journeymen in the largest cities varied from \$2.16 in Los Angeles to \$2.74 in New York City; for helpers and laborers, from \$1.32 in Philadelphia to \$1.93 in New York. Among the 9 cities with populations from 500,000 to 1,000,000, the spread was less pronounced—for journeymen, from \$2.03 in Milwaukee to \$2.46 in Pittsburgh; for helpers and laborers, from \$1.28 in Baltimore to \$1.74 in Cleveland. Generally the lowest ranking cities in the other 3 population groups were located in the South. Atlanta, Birmingham, New Orleans, Charlotte, N. C., Savannah, Jacksonville, and Charleston, S. C., were among the lowest ranking. Average hourly rates of journeymen and helpers and laborers by size of city are as follows:

Cities with population of—	Journeymen	Helpers and laborers
1,000,000 and over.....	\$2. 41	\$1. 70
500,000 to 1,000,000....	2. 28	1. 56
250,000 to 500,000.....	2. 12	1. 43
100,000 to 250,000.....	2. 05	1. 25
40,000 to 100,000.....	1. 96	1. 21

The variations in city levels indicate a general absence of any consistent relationship in the movement of wage scales between the journeymen and the helpers and laborers. Intercity variations may also be accounted for in part by the appreciable differences in the proportion of workers of various skills from city to city.

## Union Scales by City and Trade

In table 14, union scales of wages per hour and hours per week in effect on July 1, 1948, and July 1, 1947, are shown for individual trades in each of the 77 cities on which the indexes and other summary data are based, and also for 5 other cities—Albuquerque, Santa Fe, Schenectady, San Diego, and Tulsa.

TABLE 2.—Indexes of union hourly wage rates in the building trades, 1907-48

[June 1, 1939=100]

Date	All trades	Journeymen	Helpers and laborers	Date	All trades	Journeymen	Helpers and laborers	Date	All trades	Journeymen	Helpers and laborers
1907: May 15.....	29.3	29.7	27.3	1921: May 15.....	71.3	71.4	72.2	1935: May 15.....	82.3	82.8	78.3
1908: May 15.....	31.2	31.6	28.5	1922: May 15.....	66.9	67.3	65.7	1936: May 15.....	85.3	85.5	82.9
1909: May 15.....	32.7	33.2	29.5	1923: May 15.....	73.9	74.2	69.7	1937: May 15.....	91.2	91.4	90.1
1910: May 15.....	34.0	34.6	30.5	1924: May 15.....	79.8	80.1	75.4	1938: June 1.....	99.3	99.3	99.2
1911: May 15.....	34.5	35.2	30.6	1925: May 15.....	82.9	83.1	77.9	1939: June 1.....	100.0	100.0	100.0
1912: May 15.....	35.3	36.0	30.9	1926: May 15.....	88.3	88.7	84.9	1940: June 1.....	101.6	101.4	102.0
1913: May 15.....	36.1	36.9	31.8	1927: May 15.....	91.3	91.7	86.4	1941: June 1.....	105.3	105.0	106.8
1914: May 15.....	36.9	37.7	32.1	1928: May 15.....	91.9	92.4	87.3	1942: July 1.....	111.9	110.9	117.5
1915: May 15.....	37.2	38.0	32.4	1929: May 15.....	93.1	93.6	88.8	1943: July 1.....	112.7	111.5	118.9
1916: May 15.....	38.4	39.3	33.5	1930: May 15.....	97.0	97.5	93.3	1944: July 1.....	113.6	112.4	120.3
1917: May 15.....	40.8	41.5	36.8	1931: May 15.....	97.3	97.8	92.8	1945: July 1.....	116.0	114.4	125.9
1918: May 15.....	45.3	45.9	42.6	1932: May 15.....	83.1	83.6	79.2	1946: July 1.....	129.3	126.8	146.3
1919: May 15.....	51.9	52.4	49.3	1933: May 15.....	80.8	81.4	75.7	1947: July 1.....	147.9	144.6	171.1
1920: May 15.....	70.0	70.1	71.5	1934: May 15.....	81.4	81.8	77.9	1948: July 1.....	163.5	159.4	192.7

TABLE 3.—Indexes of union hourly wage rates in each building trade, 1907-48

[June 1, 1939=100]

Date	Asbestos workers	Boiler-makers	Bricklayers	Car-penters	Cement finishers	Electricians (inside wiremen)	Elevator constructors	Gla-ziers	Lathers	Ma-chinists	Marble setters	Mosaic and terrazzo workers	Paint-ers	Paper-hangers	Plas-terers
1907: May 15.....			37.7	29.8	34.5	27.9							26.2		37.3
1908: May 15.....			38.7	31.7	34.4	30.5							29.0		37.2
1909: May 15.....			39.5	33.4	35.4	31.5							31.0		37.5
1910: May 15.....			40.2	35.0	35.8	32.4							33.0		37.9
1911: May 15.....			40.2	35.5	37.2	32.3							33.6		38.1
1912: May 15.....			40.8	36.3	37.2	33.1			33.8				34.0		38.9
1913: May 15.....			41.5	36.8	38.0	33.8			34.6				35.5		39.3
1914: May 15.....			42.5	37.4	38.4	34.9	38.2		35.2				36.7		39.4
1915: May 15.....			42.6	37.8	38.8	35.6	38.4		35.7				36.9		39.6
1916: May 15.....	36.1		43.0	39.0	39.1	36.3	39.4		36.7			35.1	40.3		41.0
1917: May 15.....	38.0		44.5	42.4	41.4	38.7	42.2		38.1			42.3	36.9		42.2
1918: May 15.....	42.5		47.8	47.1	45.7	43.0	44.9	40.6	41.2			44.5	39.9		44.5
1919: May 15.....	51.7		53.1	54.2	41.2	49.3	52.3	43.4	45.8			49.5	42.9		51.3
1920: May 15.....	67.2		72.4	72.5	69.6	65.0	67.2	62.8	65.3			65.4	63.4		67.0
1921: May 15.....	68.1		71.9	73.1	71.9	67.3	70.7	63.9	66.3			66.5	64.6		70.7
1922: May 15.....	63.4		70.0	67.7	66.7	63.5	66.1	64.0	62.3			65.1	62.7		67.9
1923: May 15.....	65.8		79.2	75.5	73.0	65.9	70.2	67.9	68.8			64.2	77.1		75.6
1924: May 15.....	73.4		83.8	80.8	80.7	73.6	78.8	71.6	74.2			77.0	75.8		84.7
1925: May 15.....	76.4		88.7	82.5	81.1	77.4	82.6	79.6	80.9			78.6	79.7		86.1
1926: May 15.....	81.7		94.1	88.5	86.6	81.5	87.0	80.7	83.0			87.9	81.4		92.4
1927: May 15.....	85.7		96.4	91.4	90.4	84.9	90.2	86.2	86.3			89.8	84.7		94.4
1928: May 15.....	86.3		97.2	91.7	89.5	85.7	91.1	87.2	86.6			88.7	87.0		94.6
1929: May 15.....	90.3		99.4	93.2	89.5	89.3	91.3	88.5	85.9			96.6	92.0		93.5
1930: May 15.....	95.4		101.8	96.9	95.4	90.9	95.6	92.6	89.6			97.4	97.4		98.1
1931: May 15.....	96.4		101.6	97.1	95.8	92.1	96.1	93.2	89.1			97.4	98.2		97.9
1932: May 15.....	80.3		87.0	79.6	83.6	87.9	89.4	78.0	80.0			89.2	91.4		81.4
1933: May 15.....	80.1		84.7	79.4	81.6	80.3	83.1	77.9	77.1			86.2	83.3		78.2
1934: May 15.....	80.0		85.0	80.8	82.4	80.4	83.3	82.5	79.1			85.8	84.5		79.1
1935: May 15.....	81.0		83.7	81.8	82.9	84.3	83.4	83.3	80.0			86.4	84.5		80.0
1936: May 15.....	84.3		84.2	86.0	85.0	86.5	84.4	84.5	82.0			86.9	84.7		80.5
1937: May 15.....	90.8	90.1	90.1	91.6	91.2	90.3	87.7	92.6	87.5	93.7	91.9	88.7	93.0	97.8	88.7
1938: June 1.....	99.5	99.4	99.5	99.8	99.6	99.5	98.4	99.3	96.8	99.8	99.7	98.6	99.2	99.5	99.2
1939: June 1.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1.....	101.1	101.5	102.2	102.5	100.9	101.7	101.5	101.1	100.7	100.4	101.6	100.5	100.2	100.8	100.5
1941: June 1.....	104.8	103.4	104.6	104.8	104.5	106.3	103.8	104.3	104.5	103.2	101.9	101.4	106.9	107.5	102.2
1942: July 1.....	112.5	109.9	108.3	112.1	110.8	113.5	109.7	108.8	109.1	108.5	103.8	104.6	110.5	112.3	105.0
1943: July 1.....	112.8	110.1	108.7	112.5	112.0	113.8	110.7	109.6	109.2	111.0	104.3	106.3	112.4	112.6	105.2
1944: July 1.....	113.3	110.1	110.0	113.4	113.1	114.7	111.3	110.2	110.0	111.6	105.4	107.8	113.5	114.1	105.9
1945: July 1.....	114.5	111.2	112.7	115.4	114.2	116.9	112.0	112.2	111.5	111.6	109.3	109.8	115.1	114.6	107.6
1946: July 1.....	125.8	120.0	125.6	129.7	128.2	124.9	119.3	123.4	124.2	124.4	121.4	124.2	127.3	127.4	119.0
1947: July 1.....	139.7	134.0	145.2	149.6	144.3	140.9	136.6	141.9	144.4	144.0	138.4	145.9	142.4	145.2	139.3
1948: July 1.....	154.0	150.2	165.6	164.7	161.1	154.4	150.0	155.5	157.8	158.9	154.4	162.3	154.4	153.6	148.2

TABLE 3.—Indexes of union hourly wage rates in each building trade, 1907-48—Continued

[June 1, 1939=100]

Date	Plumbers and gas fitters	Rodmen	Roofers, composition	Roofers, slate and tile	Sheet-metal workers	Steam and sprinkler fitters	Stonemasons	Structural-iron workers <sup>1</sup>	Tile layers	Bricklayers' tenders	Building laborers	Composition roofers' helpers	Plasterers' laborers	Plumbers' laborers	Tile layers' helpers
1907: May 15	33.3				30.6	30.1	33.9	27.9		30.3	30.8		31.3		
1908: May 15	33.7				31.3	30.5	34.4	30.4		30.3	31.0		32.7		
1909: May 15	34.2				31.4	34.7	34.5	32.5		30.4	31.3		33.0		
1910: May 15	34.5				32.3	32.2	34.8	34.7		30.9	32.3		33.2		
1911: May 15	36.5				33.3	33.2	35.2	35.5		31.2	32.4		33.2		
1912: May 15	36.7				34.1	33.8	35.5	36.1	40.1	31.4	32.7		33.6		32.3
1913: May 15	37.9				35.6	35.0	36.7	37.3	42.1	31.8	34.2		34.4		32.9
1914: May 15	38.4		31.4	35.4	36.9	35.7	37.8	38.0	42.3	32.2	34.5		35.1		33.2
1915: May 15	38.7		32.3	36.8	37.4	36.5	38.2	38.0	42.5	32.4	34.7		35.2		34.3
1916: May 15	39.0		32.5	37.8	38.0	37.2	38.8	38.6	43.1	33.4	36.3		36.2		35.6
1917: May 15	40.4		34.3	40.3	39.7	38.6	40.2	40.9	45.3	37.2	40.1		38.6		36.5
1918: May 15	44.6		38.9	44.2	46.5	42.2	44.1	46.8	46.6	43.4	47.0		44.5		37.6
1919: May 15	50.4		43.2	50.3	51.3	47.4	49.5	52.7	50.8	50.8	53.3		50.7		45.6
1920: May 15	65.2		61.5	65.0	68.8	62.6	69.0	66.8	68.4	73.9	77.2		73.5		74.6
1921: May 15	68.2		64.4	70.8	71.3	63.4	70.7	68.1	67.8	74.2	77.6		75.9		75.4
1922: May 15	63.4		61.6	67.7	66.1	61.9	65.8	61.8	66.7	61.5	72.9		66.6		70.9
1923: May 15	70.0		62.4	75.5	71.2	65.0	77.8	65.9	72.9	67.2	74.3		73.4		72.5
1924: May 15	70.3		72.3	83.6	78.2	74.5	82.5	74.6	82.7	70.2	82.7		78.9		78.9
1925: May 15	77.9		74.5	87.5	80.8	78.4	84.1	75.4	84.7	78.4	79.0		84.1		81.1
1926: May 15	83.9		81.0	90.3	86.3	84.9	92.7	81.1	88.8	85.5	86.9		89.1		87.9
1927: May 15	85.6		83.3	94.6	88.9	87.3	93.9	86.8	93.0	87.5	87.2		89.9		88.9
1928: May 15	87.4		85.2	94.8	87.2	88.6	95.0	87.0	92.9	87.6	87.6		91.4		90.7
1929: May 15	88.1		86.8	95.8	90.6	89.1	97.7	87.7	93.9	91.4	88.0		91.7		89.4
1930: May 15	91.5		92.0	98.8	94.7	93.5	99.1	92.5	98.1	94.9	92.9		97.2		97.0
1931: May 15	92.6		92.6	99.1	96.2	94.0	99.6	93.4	99.2	94.6	91.5		96.9		97.0
1932: May 15	80.5		80.9	86.1	83.4	81.0	88.4	81.0	85.5	78.4	78.7		80.4		85.6
1933: May 15	79.8		79.2	84.0	81.0	78.6	82.5	80.1	82.9	77.4	74.1		75.7		81.7
1934: May 15	80.5		80.7	83.5	81.3	79.5	82.4	81.1	82.9	82.5	76.9		77.8		81.8
1935: May 15	81.8		83.0	85.7	81.9	80.8	82.2	81.8	85.6	79.9	78.0		79.1		84.5
1936: May 15	83.9		83.5	86.4	83.5	83.5	83.2	83.9	85.2	84.2	84.7		80.7		85.8
1937: May 15	88.5	90.2	90.0	92.8	89.6	88.1	91.9	91.6	91.2	90.6	92.7	93.9	87.9		90.4
1938: June 1	99.1	99.0	99.7	99.0	98.6	99.3	99.7	98.9	99.9	99.7	98.4	99.7	99.2	97.2	99.7
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	101.6	101.2	102.3	101.7	101.8	100.3	99.5	100.4	100.2	103.8	101.6	103.6	100.2	104.6	100.2
1941: June 1	106.0	106.4	106.5	104.0	106.5	103.4	102.1	105.2	101.6	107.3	107.6	107.5	102.5	110.4	102.5
1942: July 1	110.5	111.0	116.1	113.1	116.0	106.3	108.2	108.7	106.6	115.7	119.6	118.8	110.1	118.3	109.5
1943: July 1	110.9	111.6	116.6	114.0	116.4	109.9	108.4	109.1	108.2	116.4	121.3	119.5	110.8	119.0	110.6
1944: July 1	111.5	112.1	117.3	114.6	117.2	110.5	109.0	109.8	109.2	117.4	112.9	122.9	111.6	121.8	111.1
1945: July 1	114.0	114.4	118.8	116.9	118.4	114.3	111.4	111.6	112.8	121.8	129.9	122.9	115.7	124.8	112.6
1946: July 1	123.2	126.3	132.3	127.1	133.0	124.6	126.5	121.4	127.7	141.7	152.2	139.0	130.3	142.2	130.6
1947: July 1	142.9	142.0	153.8	141.0	145.8	139.1	145.0	136.3	149.3	165.6	177.9	153.7	154.0	162.9	160.8
1948: July 1	158.2	158.0	170.5	156.8	164.4	154.3	166.0	151.9	166.9	185.5	200.8	176.5	172.3	182.2	182.1

<sup>1</sup> Included rodmen prior to 1940.

TABLE 4.—Union wage rates and wage movements in the building trades in selected cities, by trade, July 1, 1947, to July 1, 1948

Trade	Amount of increase July 1, 1947, to July 1, 1948		Range of rates July 1, 1948		Average rate per hour July 1, 1948	Trade	Amount of increase July 1, 1947, to July 1, 1948		Range of rates July 1, 1948		Average rate per hour July 1, 1948
	Per cent	Cents per hour	Low	High			Per cent	Cents per hour	Low	High	
All building trades	10.6	20			\$2.11	Journeyman—Continued					
Journeyman	10.3	21			2.25	Roofers, composition	10.9	21	\$1.25	\$3.10	\$2.12
Asbestos workers	10.3	20	\$1.45	\$2.75	2.18	Roofers, slate and tile	11.2	22	1.50	3.00	2.14
Boilermakers	12.1	25	1.85	2.75	2.28	Sheet-metal workers	12.0	24	1.50	2.75	2.21
Bricklayers	14.0	33	2.00	3.25	2.65	Steam and sprinkler fitters	10.9	23	1.63	2.75	2.36
Carpenters	10.1	20	1.50	2.90	2.20	Stonemasons	14.5	32	2.00	3.20	2.51
Cement finishers	11.6	23	1.50	3.15	2.20	Structural-iron workers	11.4	24	1.75	3.10	2.36
Electricians (inside wiremen)	9.6	21	1.50	2.75	2.30	Tile layers	11.8	25	1.63	3.00	2.39
Elevator constructors	9.8	20	1.80	2.75	2.29	Helpers and laborers	12.6	17			1.49
Glaziers	9.6	19	1.25	2.75	2.07	Bricklayers' tenders	12.0	17	.80	2.25	1.62
Lathers	9.3	21	1.75	3.00	2.46	Building laborers	12.9	16	.75	2.13	1.40
Machinists	10.3	21	1.80	2.50	2.28	Composition roofers' helpers	14.9	17	.85	1.60	1.29
Marble setters	11.5	24	1.90	3.00	2.36	Elevator constructors' helpers	9.8	14	1.25	2.04	1.61
Mosaic and terrazzo workers	11.2	24	1.88	3.00	2.35	Marble setters' helpers	12.5	17	1.00	1.80	1.54
Painters	8.5	16	1.35	3.00	2.08	Plasterers' laborers	12.6	20	.85	2.40	1.77
Paperhangers	5.8	11	1.38	2.30	2.03	Plumbers' laborers	11.8	16	.75	1.90	1.53
Plasterers	6.4	15	1.75	3.15	2.50	Terrazzo workers' helpers	13.2	21	1.00	2.20	1.82
Plumbers and gas fitters	10.7	24	1.75	3.00	2.48	Tile layers' helpers	13.2	21	.85	2.20	1.76
Rodmen	11.3	22	1.50	3.10	2.16						

TABLE 5.—Distribution of union members in the building trades in selected cities, by hourly wage rates, July 1, 1948

Trade	Percent of union journeymen whose rates (in cents) per hour were—																				
	Average rate per hour	Under 140	140 and under 150	150 and under 160	160 and under 170	170 and under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and under 240	240 and under 250	250 and under 260	260 and under 270	270 and under 280	280 and under 290	290 and under 300	300 and under 310	310 and under 320	320 and over
Journeymen.....	\$2.251	(1)	(1)	0.7	0.9	2.7	3.5	4.6	18.7	15.7	14.3	13.9	5.4	6.7	0.6	8.5	0.5	0.4	1.5	.02	1.2
Asbestos workers.....	2.179	-----	.9	1.3	.6	2.8	7.0	6.0	16.5	11.8	27.6	6.6	4.1	6.8	-----	8.0	-----	-----	-----	-----	-----
Boilermakers.....	2.275	-----	-----	-----	-----	-----	.2	-----	8.4	40.2	21.6	6.4	9.4	-----	13.8	-----	-----	-----	-----	-----	-----
Bricklayers.....	2.645	-----	-----	-----	-----	-----	-----	-----	2.5	3	11.4	8.9	12.6	23.3	3.6	10.3	1.6	-----	.7	1.4	23.4
Carpenters.....	2.198	-----	-----	.7	.8	4.0	4.0	7.1	28.0	13.7	13.2	10.1	2.2	1.5	-----	13.7	-----	1.0	-----	-----	-----
Cement finishers.....	2.203	-----	-----	.6	1.0	1.6	2.9	7.4	20.3	23.9	13.1	12.0	1.9	5.2	.6	8.7	-----	-----	-----	-----	-----
Electricians (inside wiremen).....	2.295	-----	-----	.1	.3	.5	1.2	-----	13.6	7.6	14.0	26.0	19.7	15.9	-----	1.1	-----	-----	-----	-----	-----
Elevator constructors.....	2.289	-----	-----	-----	-----	-----	1.3	3.0	5.9	20.3	26.7	20.5	9.2	9.0	-----	4.1	-----	-----	-----	-----	-----
Glaziers.....	2.070	.2	-----	6.4	5.1	6.2	4.7	22.0	25.8	1.4	6.1	-----	10.1	-----	12.0	-----	-----	-----	-----	-----	-----
Lathers.....	2.456	-----	-----	-----	-----	.3	.2	.6	3.5	2.1	32.3	6.2	8.1	19.3	2.9	11.7	6.1	-----	6.7	-----	-----
Machinists.....	2.278	-----	-----	-----	-----	-----	.2	1.5	12.5	2.4	26.4	50.1	3.6	3.3	-----	-----	-----	-----	6.7	-----	-----
Marble setters.....	2.358	-----	-----	-----	-----	-----	-----	1.3	8.6	6.2	40.4	9.5	7.7	3.6	2.6	19.8	-----	-----	-----	.3	-----
Mosaic and terrazzo workers.....	2.346	-----	-----	-----	-----	-----	.3	1.5	8.1	8.9	34.6	15.4	7.9	4.4	-----	18.2	-----	-----	-----	.7	-----
Painters.....	2.082	.3	.2	1.7	2.3	4.5	7.8	4.5	20.4	35.1	5.4	16.6	.2	.7	.2	-----	-----	-----	-----	.1	-----
Paperhangers.....	2.070	.6	.3	1.2	4.0	7.5	4.6	8.1	19.1	48.0	5.9	.7	-----	-----	-----	-----	-----	-----	-----	-----	-----
Plasterers.....	2.495	-----	-----	-----	-----	-----	.9	-----	4.8	1	24.0	10.4	-----	10.2	28.3	2.1	-----	.5	-----	19.6	1.1
Plumbers and gas fitters.....	2.449	-----	-----	-----	-----	-----	-----	2	4.0	5.8	22.6	22.7	4.2	19.9	-----	1	7.0	-----	13.3	-----	-----
Rodmen.....	2.162	-----	.7	-----	7.0	6.2	12.9	22.1	9.9	10.2	6.7	13.3	4.0	-----	5.5	-----	-----	-----	-----	-----	1.5
Roofers, composition.....	2.124	.2	-----	5.0	4.6	4.1	5.6	9.8	17.4	21.2	7.1	3.3	8.7	1.7	1.3	6.7	1.3	-----	1.8	.2	-----
Roofers, slate and tile.....	2.141	-----	-----	2.3	5.5	9.5	8.1	8.0	17.1	11.8	6.7	5.2	6.9	3.7	.2	12.6	-----	-----	2.4	-----	-----
Sheet-metal workers.....	2.212	-----	-----	.2	.7	.9	5.1	6.4	11.2	30.1	22.0	3.7	-----	9.7	-----	10.0	-----	-----	-----	-----	-----
Steam and sprinkler fitters.....	2.363	-----	-----	-----	.1	.3	.2	.1	2.6	8.4	26.1	34.5	3.9	11.0	-----	12.8	-----	-----	-----	-----	-----
Stonemasons.....	2.509	-----	-----	-----	-----	-----	-----	1.9	3	29.0	4.5	15.4	17.6	7.6	6.7	4.7	-----	4.0	.5	7.8	-----
Structural-iron workers.....	2.360	-----	-----	-----	-----	.6	.9	.6	16.5	10.2	11.1	13.3	21.5	8.8	5.2	3.1	-----	-----	7.2	1.0	-----
Tile layers.....	2.391	-----	-----	.1	-----	.8	2.0	6.1	10.1	18.1	18.9	6.1	19.1	-----	18.9	-----	-----	-----	.8	-----	-----

Trade	Percent of union helpers and laborers whose rates (in cents) per hour were—																	
	Average rate per hour	Under 80	80 and under 90	90 and under 100	100 and under 110	110 and under 120	120 and under 130	130 and under 140	140 and under 150	150 and under 160	160 and under 170	170 and under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and over
Helpers and laborers.....	\$1.489	0.8	1.2	3.9	7.1	1.6	13.0	3.9	18.5	18.0	7.4	9.5	2.3	7.8	0.5	2.7	1.6	*0.2
Bricklayers' tenders.....	1.623	-----	.8	2.0	5.2	4.1	7.1	5.1	6.7	11.2	8.7	15.1	3.4	25.9	-----	3.4	1.3	-----
Building laborers.....	1.397	1.2	1.3	5.2	8.6	.9	16.4	3.8	25.6	21.5	5.6	5.6	-----	3.5	-----	.8	-----	-----
Composition roofers' helpers.....	1.290	-----	8.6	10.4	6.5	1.6	18.8	5.2	29.3	17.0	2.6	-----	-----	-----	-----	-----	-----	-----
Elevator constructors' helpers.....	1.606	-----	-----	-----	-----	.3	3.3	3.3	11.4	39.0	31.7	2.2	8.8	-----	3.3	-----	-----	-----
Marble setters' helpers.....	1.538	-----	-----	-----	11.6	-----	2.0	5.3	3.5	24.3	29.9	11.2	12.2	-----	-----	-----	-----	-----
Plasterers' laborers.....	1.771	-----	1.5	.8	2.8	1.8	8.7	2.3	1.8	4.7	3.1	28.0	4.6	5.2	5.6	17.3	9.8	2.0
Plumbers' laborers.....	1.528	.4	1.4	1.9	4.6	3.2	5.4	5.4	6.3	25.2	26.0	.5	17.1	2.6	-----	-----	-----	-----
Terrazzo workers' helpers.....	1.822	-----	-----	-----	1.9	-----	2.2	1.8	3.4	8.0	9.4	27.6	11.9	7.1	.6	3.2	22.9	-----
Tile layers' helpers.....	1.758	-----	.3	-----	3.7	-----	1.7	.4	3.3	9.3	21.6	16.3	25.1	-----	-----	-----	-----	-----

\* Less than 0.05 of 1 percent.

\* All with rate of \$2.40.

TABLE 6.—Percent of union members affected by wage rate changes and extent of percent change in selected cities, by trade, July 1, 1948, compared with July 1, 1947

Trade	Percent of union members affected by—		Percent of total members affected by increase of—								
	No change	Increase	Less than 5 percent	5 and under 10 percent	10 and under 15 percent	15 and under 20 percent	20 and under 25 percent	25 and under 30 percent	30 and under 35 percent	35 and under 40 percent	40 percent and over
All building trades.....	6.1	93.9	1.2	35.6	42.2	9.4	2.5	2.1	0.6	0.2	0.1
Journeyman.....	6.8	93.2	.3	39.6	40.2	8.5	2.4	1.7	.1	.3	.1
Asbestos workers.....	14.1	85.9	.....	29.2	39.8	13.8	3.1	.....	.....	.....	.....
Boilermakers.....	.6	99.5	.....	18.4	68.8	.9	11.4	.....	.....	.....	.....
Bricklayers.....	3.8	96.2	.....	23.3	36.3	21.5	5.6	4.1	.....	4.7	.7
Carpenters.....	2.1	97.9	(1)	46.5	44.0	4.8	.2	2.3	.1	.....	.....
Cement finishers.....	.1	99.9	.1	52.5	29.8	11.1	.4	6.0	.....	.....	.....
Electricians (inside wiremen).....	3.9	96.1	.....	44.5	46.3	3.3	4	1.6	(1)	.....	.....
Elevator constructors.....	2.3	97.7	17.5	32.8	35.1	4.5	6.0	1.8	.....	.....	.....
Glaziers.....	1.5	98.5	1.2	54.7	36.4	2.8	2.4	1.0	.....	.....	.....
Lathers.....	25.1	74.9	3.1	12.6	40.6	13.2	3.5	1.9	.....	.....	.....
Machinists.....	4.0	96.0	4.2	58.0	20.6	1.3	11.0	.9	.....	.....	.....
Marble setters.....	2.3	97.7	1.3	20.3	60.1	13.8	.5	.3	.....	.....	1.4
Mosaic and terrazzo workers.....	2.5	97.5	10.7	12.2	61.3	10.4	1.0	1.0	.1	.1	.7
Painters.....	18.3	81.7	.2	40.7	23.0	16.4	1.1	.3	(1)	.....	.....
Paperhangers.....	35.8	64.2	.....	38.7	17.0	8.2	.2	.....	.....	.....	.....
Plasterers.....	40.3	59.7	2.0	14.2	35.1	3.5	1.2	3.7	.....	.....	.....
Plumbers and gas fitters.....	12.8	87.2	.....	24.2	45.0	3.1	13.3	1.6	.....	.....	.....
Rodmen.....	3.4	96.6	1.8	40.0	34.1	14.9	4.1	1.7	.....	.....	.....
Roofers, composition.....	3.5	96.5	.....	40.5	42.7	9.4	2.4	1.5	.....	.....	.....
Roofers, slate and tile.....	.....	100.0	.....	34.0	55.6	7.2	2.4	.8	.....	.....	.....
Sheet-metal workers.....	1.4	98.6	.....	29.4	53.9	12.7	4	(1)	2.0	.....	.2
Steam and sprinkler fitters.....	7.0	93.0	.....	38.1	35.0	18.0	.5	.8	.....	.6	.....
Stonemasons.....	2.2	97.8	.....	17.1	51.3	7.3	10.5	7.3	.....	.....	4.3
Structural-iron workers.....	1.4	98.6	.7	40.5	39.7	.3	17.4	.....	.....	.....	.....
Tile layers.....	2.1	97.9	.2	19.4	69.4	1.5	5.5	.8	.....	.3	.8
Helpers and laborers.....	3.1	96.9	5.2	18.0	51.1	13.2	2.9	3.7	2.8	.....	.....
Bricklayers' tenders.....	3.9	96.1	2.8	34.4	35.8	16.7	3.6	2.8	.....	.....	.....
Building laborers.....	1.7	98.3	6.4	13.8	58.2	10.5	2.2	2.8	4.4	.....	.....
Composition roofers' helpers.....	2.1	97.9	.....	10.4	59.9	7.8	3.9	10.7	5.2	.....	.....
Elevator constructors' helpers.....	2.5	97.5	17.3	31.8	36.3	4.5	5.4	2.2	.....	.....	.....
Marble setters' helpers.....	3.5	96.5	4.1	17.9	44.7	19.8	9.6	.4	.....	.....	.....
Plasterers' laborers.....	13.0	87.0	1.8	9.1	37.4	19.4	6.5	12.8	.....	.....	.....
Plumbers' laborers.....	2.4	97.6	3.2	26.2	49.9	10.4	1.1	6.8	.....	.....	.....
Terrazzo workers' helpers.....	1.8	98.2	.....	26.2	25.0	43.5	2.8	.7	.....	.....	.....
Tile layers' helpers.....	1.7	98.3	.....	11.9	41.3	38.6	5.9	.6	.....	.....	.....

<sup>1</sup> Less than 0.05 of 1 percent.

TABLE 7.—Percent of union members affected by wage rate changes and extent of cents-per-hour increase in selected cities, by trade, July 1, 1948, compared with July 1, 1947

Trade	Percent of union members affected by increase	Percent of total members affected by increase of—								
		Less than 5 cents	5 and under 10 cents	10 and under 15 cents	15 and under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 cents and over
All building trades.....	93.9	0.5	1.0	18.2	22.5	13.9	27.2	2.6	1.8	6.2
Journeyman.....	93.2	(1)	.3	16.5	10.4	13.9	32.0	2.6	1.1	7.4
Asbestos workers.....	85.9	.....	.....	19.5	6.2	9.4	36.2	4.4	2.2	8.0
Boilermakers.....	99.5	.....	.....	5.1	13.2	31.5	37.4	.....	.9	11.4
Bricklayers.....	96.2	.....	.....	6.5	5.9	12.5	31.6	.....	3.8	35.7
Carpenters.....	97.9	(1)	.3	19.3	23.9	15.6	35.2	.2	.....	3.4
Cement finishers.....	99.9	.....	.1	26.5	16.7	21.2	17.1	2.3	.....	15.6
Electricians (inside wiremen).....	96.1	.....	.....	15.1	28.4	8.5	39.3	.....	3.1	1.7
Elevator constructors.....	97.7	2.4	7.6	18.7	8.6	26.6	21.7	2.8	4.0	5.3
Glaziers.....	98.5	.....	1.2	28.7	28.5	17.4	17.7	1.6	2.4	1.0
Lathers.....	74.9	.....	.....	6.4	9.3	1.1	33.6	6.1	4.9	13.5
Machinists.....	96.0	2.4	1.8	5.7	3.0	49.2	20.6	.5	7.6	5.2
Marble setters.....	97.7	.....	.....	9.5	4.4	14.7	51.9	7.3	5.1	4.8
Mosaic and terrazzo workers.....	97.5	.....	.....	13.3	5.5	6.5	56.7	9.3	3.4	2.8
Painters.....	81.7	.....	4	21.3	22.2	7.3	16.4	12.7	.1	1.3
Paperhangers.....	64.2	.....	.1	25.9	15.6	10.6	6.7	5.3	.....	4.8
Plasterers.....	59.7	.....	.8	4.6	10.6	1.0	32.6	.5	.....	4.8
Plumbers and gas fitters.....	87.2	.....	.....	5.8	7.2	15.8	40.5	2.7	.3	14.9
Rodmen.....	96.6	.....	1.8	12.3	23.6	19.4	27.5	.6	4	11.0
Roofers, composition.....	96.5	.....	.....	9.6	29.7	16.6	29.3	5.7	1.9	3.7
Roofers, slate and tile.....	100.0	.....	.....	10.8	30.0	14.0	39.1	2.3	.6	3.2
Sheet-metal workers.....	98.6	.....	.....	17.6	13.1	14.9	40.1	.....	2.6	10.3
Steam and sprinkler fitters.....	93.0	.....	.....	15.2	8.3	19.5	29.6	2.7	3.4	14.3
Stonemasons.....	97.8	.....	.....	3.1	6.9	13.2	42.3	2.4	3.8	26.1
Structural-iron workers.....	98.6	.....	.7	14.2	18.7	11.9	35.4	.3	.2	17.2
Tile layers.....	97.9	.....	.....	6.1	6.1	19.5	41.6	15.9	1.9	6.8

<sup>1</sup> Less than 0.05 of 1 percent.



TABLE 7.—Percent of union members affected by wage rate changes and extent of cents-per-hour increase in selected cities, by trade, July 1, 1948, compared with July 1, 1947—Continued

Trade	Percent of union members affected by increase	Percent of total members affected by increase of—								
		Less than 5 cents	5 and under 10 cents	10 and under 15 cents	15 and under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 cents and over
Helpers and laborers.....	96.9	2.5	4.1	25.1	35.7	13.9	7.1	2.7	4.5	1.3
Bricklayers' tenders.....	96.1	2.8	1.7	11.6	50.0	18.5	4.8	.5	4.9	1.3
Building laborers.....	98.3	2.6	5.2	31.6	35.0	12.2	3.7	2.8	3.6	1.6
Composition roofers' helpers.....	97.9	-----	10.4	20.1	37.1	2.6	22.5	-----	5.2	-----
Elevator constructors' helpers.....	97.5	7.8	20.0	15.6	41.5	3.7	2.3	4.4	2.2	-----
Marble setters' helpers.....	96.5	-----	4.1	31.0	24.5	15.5	12.5	.4	8.5	-----
Plasterers' laborers.....	87.0	1.8	.8	10.3	13.7	13.6	30.1	2.9	13.8	-----
Plumbers' laborers.....	97.6	3.2	1.4	29.0	36.3	14.9	6.9	5.9	-----	-----
Terrazzo workers' helpers.....	98.2	-----	.8	11.7	23.5	18.3	18.0	25.7	.2	-----
Tile layers' helpers.....	98.3	-----	1.3	7.7	17.1	31.6	36.6	4.0	-----	-----

TABLE 8.—Increases in union wage rates for selected building trades in selected cities, by city, July 1, 1947, to July 1, 1948

City	Percent of increase			Cents-per-hour increase			City	Percent of increase			Cents-per-hour increase		
	All trades	Jour-ney-men	Helpers and laborers	All trades	Jour-ney-men	Helpers and laborers		All trades	Jour-ney-men	Helpers and laborers	All trades	Jour-ney-men	Helpers and laborers
All cities.....	10.6	10.3	12.6	20.1	21.0	16.7	Mobile, Ala.....	14.6	15.0	10.9	23.3	26.5	10.0
Atlanta, Ga.....	11.0	10.4	18.0	17.9	18.4	14.6	Newark, N. J.....	16.3	15.1	21.2	36.3	36.0	37.1
Baltimore, Md.....	8.0	7.1	13.1	14.2	14.0	14.8	New Haven, Conn.....	11.1	10.6	14.5	20.8	21.0	19.9
Birmingham, Ala.....	9.3	8.9	11.6	14.2	15.6	10.0	New Orleans, La.....	6.8	7.3	3.3	10.7	12.8	3.1
Boston, Mass.....	12.4	12.7	10.6	23.0	24.9	14.8	New York, N. Y.....	12.2	12.3	11.1	38.3	30.0	19.3
Buffalo, N. Y.....	12.7	11.6	17.5	24.1	23.8	24.9	Norfolk, Va.....	15.3	15.5	-----	25.6	26.2	-----
Butte, Mont.....	4.2	3.7	7.0	7.7	7.3	9.3	Oakland, Calif.....	8.1	7.9	9.6	15.8	16.2	14.1
Charleston, S. C.....	8.8	9.3	.1	13.8	15.6	.1	Oklahoma City, Okla.....	7.9	9.8	2.7	12.3	18.6	2.8
Charleston, W. Va.....	14.0	13.7	15.0	24.0	26.5	17.5	Omaha, Nebr.....	8.3	8.5	7.3	13.9	15.7	8.2
Charlotte, N. C.....	9.0	8.5	15.0	13.0	13.6	10.0	Peoria, Ill.....	13.8	12.5	18.4	25.2	25.1	25.5
Chattanooga, Tenn.....	10.2	9.0	15.0	15.0	15.8	13.5	Philadelphia, Pa.....	11.2	10.8	13.2	20.9	22.7	15.4
Chicago, Ill.....	6.8	6.6	13.0	14.6	14.3	19.7	Phoenix, Ariz.....	24.4	24.0	25.3	36.9	41.6	29.9
Cincinnati, Ohio.....	12.0	11.1	16.3	21.9	22.2	21.1	Pittsburgh, Pa.....	18.4	16.5	28.1	34.8	34.8	34.6
Cleveland, Ohio.....	10.4	9.8	14.8	20.8	20.5	22.4	Portland, Maine.....	10.9	11.0	9.8	15.7	16.6	10.4
Columbus, Ohio.....	9.4	9.1	11.0	16.8	17.8	13.2	Portland, Oreg.....	9.8	9.3	12.8	17.4	17.3	17.5
Dallas, Tex.....	11.8	11.5	12.8	18.8	22.2	12.5	Providence, R. I.....	13.6	13.1	16.4	22.1	22.7	19.8
Dayton, Ohio.....	8.9	8.3	14.3	17.2	16.9	18.4	Reading, Pa.....	13.5	13.5	13.8	23.3	24.9	16.1
Denver, Colo.....	11.0	10.7	11.7	18.7	20.7	16.0	Richmond, Va.....	9.8	9.8	5.8	17.5	17.6	8.0
Des Moines, Iowa.....	12.2	11.3	16.4	20.5	20.7	20.0	Rochester, N. Y.....	9.2	8.7	11.7	16.7	17.1	15.3
Detroit, Mich.....	9.8	9.7	10.5	19.4	19.9	15.5	Rock Island (Ill.) district <sup>1</sup> .....	9.8	9.5	12.5	17.9	18.2	16.3
Duluth, Minn.....	10.6	10.0	13.5	16.9	17.1	16.2	St. Louis, Mo.....	11.1	10.6	10.7	20.4	22.5	15.4
El Paso, Tex.....	12.6	12.6	-----	22.0	22.0	-----	St. Paul, Minn.....	12.6	12.7	12.0	21.5	23.3	15.9
Erie, Pa.....	11.6	11.0	16.2	19.9	19.9	19.9	Salt Lake City, Utah.....	12.2	12.1	12.9	19.3	20.3	15.7
Grand Rapids, Mich.....	11.9	11.9	11.9	20.7	22.1	14.7	San Antonio, Tex.....	9.7	9.0	18.0	16.0	16.0	16.2
Houston, Tex.....	9.7	9.0	14.3	16.9	17.4	15.0	San Francisco, Calif.....	7.9	7.6	10.3	15.5	15.6	15.1
Indianapolis, Ind.....	10.4	9.8	14.6	19.4	19.5	18.7	Savannah, Ga.....	9.1	10.7	( <sup>1</sup> )	12.7	17.5	( <sup>1</sup> )
Jackson, Miss.....	13.5	13.5	13.3	18.7	22.1	10.0	Scranton, Pa.....	11.0	10.9	11.4	18.4	20.1	13.4
Jacksonville, Fla.....	10.1	10.3	5.4	16.1	16.8	4.2	Seattle, Wash.....	6.8	6.7	8.3	13.5	13.6	13.1
Kansas City, Mo.....	8.0	7.6	11.0	14.9	14.8	15.0	South Bend, Ind.....	14.5	13.4	18.4	25.3	25.5	24.6
Knoxville, Tenn.....	12.9	13.1	11.8	19.5	22.9	10.2	Spokane, Wash.....	2.3	2.6	.8	4.2	5.1	1.1
Little Rock, Ark.....	13.0	13.4	7.4	19.9	21.9	5.9	Springfield, Mass.....	10.0	10.1	9.3	16.8	18.8	11.2
Los Angeles, Calif.....	9.0	8.8	10.6	17.1	17.4	15.3	Syracuse, N. Y.....	6.7	7.4	4.4	11.4	14.3	5.3
Louisville, Ky.....	11.1	10.6	13.3	18.3	19.4	15.1	Toledo, Ohio.....	9.0	8.1	11.9	17.0	16.8	17.5
Manchester, N. H.....	15.3	16.1	9.3	23.1	25.7	10.0	Washington, D. C.....	12.6	13.4	7.1	24.1	28.3	8.7
Memphis, Tenn.....	11.0	11.1	10.3	17.7	19.5	9.3	Wichita, Kans.....	10.3	9.7	12.0	15.2	16.5	12.6
Miami, Fla.....	11.6	11.5	11.8	20.7	22.6	11.4	Worcester, Mass.....	12.5	11.9	17.5	20.7	20.9	19.9
Milwaukee, Wis.....	11.3	10.6	14.9	19.8	19.5	21.1	York, Pa.....	9.9	9.3	12.0	13.8	14.6	11.8
Minneapolis, Minn.....	11.6	11.7	11.0	20.6	21.9	14.9	Youngstown, Ohio.....	13.9	12.5	20.4	24.7	24.5	25.2

<sup>1</sup> Less than 0.05 of 1 percent.<sup>2</sup> Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 9.—Average union hourly wage rates in the building trades in selected cities, by city and population group, July 1, 1948

City and population group	Average hourly rate	City and population group	Average hourly rate	City and population group	Average hourly rate
<i>Journeyman</i>		<i>Population group IV—Continued.</i>		<i>Population group III—Continued.</i>	
Population group I (over 1,000,000):		Springfield, Mass.	\$2.047	Kansas City, Mo.	\$1.515
New York, N. Y.	\$2.736	Des Moines, Iowa	2.043	Minneapolis, Minn.	1.507
<i>Average for group I</i>	<i>\$2.413</i>	Erie, Pa.	2.006	Cincinnati, Ohio	1.500
Philadelphia, Pa.	2.324	Omaha, Nebr.	1.998	St. Paul, Minn.	1.489
Chicago, Ill.	2.302	Spokane, Wash.	1.998	Indianapolis, Ind.	1.470
Detroit, Mich.	2.247	Knoxville, Tenn.	1.984	Rochester, N. Y.	1.456
Los Angeles, Calif.	2.164	Richmond, Va.	1.962	<i>Average for group III</i>	<i>1.450</i>
Population group II (500,000 to 1,000,000):		Worcester, Mass.	1.961	Providence, R. I.	1.407
Pittsburgh, Pa.	2.461	Norfolk, Va.	1.953	Columbus, Ohio	1.332
Washington, D. C.	2.392	Chattanooga, Tenn.	1.913	Louisville, Ky.	1.283
St. Louis, Mo.	2.352	Salt Lake City, Utah	1.888	Houston, Tex.	1.203
Cleveland, Ohio	2.309	Duluth, Minn.	1.882	Dallas, Tex.	1.104
Buffalo, N. Y.	2.298	Wichita, Kans.	1.868	San Antonio, Tex.	1.062
<i>Average for group II</i>	<i>\$2.278</i>	Jacksonville, Fla.	1.807	Memphis, Tenn.	.993
San Francisco, Calif.	2.221	Charlotte, N. C.	1.748	Birmingham, Ala.	.967
Boston, Mass.	2.112	Population group V (40,000 to 100,000):		New Orleans, La.	.963
Baltimore, Md.	2.112	Charleston, W. Va.	2.198	Atlanta, Ga.	.956
Milwaukee, Wis.	2.032	Phoenix, Ariz.	2.148	Population group IV (100,000 to 250,000):	
Population group III (250,000 to 500,000):		Butte, Mont.	2.055	Peoria, Ill.	1.636
Newark, N. J.	2.743	Mobile, Ala.	2.027	South Bend, Ind.	1.584
Toledo, Ohio	2.247	El Paso, Tex.	1.973	New Haven, Conn.	1.573
Oakland, Calif.	2.222	<i>Average for group V</i>	<i>1.966</i>	Youngstown, Ohio	1.489
Cincinnati, Ohio	2.213	Manchester, N. H.	1.856	Rock Island (Ill.) district <sup>1</sup>	1.466
Indianapolis, Ind.	2.186	Jackson, Miss.	1.853	Dayton, Ohio	1.466
Seattle, Wash.	2.163	Little Rock, Ark.	1.847	Spokane, Wash.	1.431
Dallas, Tex.	2.154	Charleston, S. C.	1.829	Erie, Pa.	1.423
Denver, Colo.	2.143	Savannah, Ga.	1.801	Des Moines, Iowa	1.417
Rochester, N. Y.	2.129	York, Pa.	1.721	Grand Rapids, Mich.	1.387
Columbus, Ohio	2.128	Portland, Maine	1.669	Salt Lake City, Utah	1.367
<i>Average for group III</i>	<i>\$2.119</i>	<i>Helpers and laborers</i>		Duluth, Minn.	1.364
Houston, Tex.	2.116	Population group I (over 1,000,000):		Worcester, Mass.	1.331
Kansas City, Mo.	2.107	New York, N. Y.	1.932	Reading, Pa.	1.327
Minneapolis, Minn.	2.089	Chicago, Ill.	1.713	Springfield, Mass.	1.311
St. Paul, Minn.	2.065	<i>Average for group I</i>	<i>1.696</i>	Scranton, Pa.	1.308
Portland, Oreg.	2.034	Detroit, Mich.	1.637	Syracuse, N. Y.	1.258
Louisville, Ky.	2.017	Los Angeles, Calif.	1.594	<i>Average for group IV</i>	<i>1.251</i>
Providence, R. I.	1.958	Philadelphia, Pa.	1.322	Omaha, Nebr.	1.219
Atlanta, Ga.	1.952	Population group II (500,000 to 1,000,000):		Wichita, Kans.	1.174
Memphis, Tenn.	1.951	Population group II (500,000 to 1,000,000):		Miami, Fla.	1.083
San Antonio, Tex.	1.941	Cleveland, Ohio	1.737	Oklahoma City, Okla.	1.071
Birmingham, Ala.	1.920	Buffalo, N. Y.	1.670	Chattanooga, Tenn.	1.037
New Orleans, La.	1.869	Milwaukee, Wis.	1.620	Richmond, Va.	.981
Population group IV (100,000 to 250,000):		San Francisco, Calif.	1.614	Knoxville, Tenn.	.965
Peoria, Ill.	2.261	St. Louis, Mo.	1.590	Jacksonville, Fla.	.828
Dayton, Ohio	2.209	Pittsburgh, Pa.	1.580	Norfolk, Va.	.800
Youngstown, Ohio	2.204	<i>Average for group II</i>	<i>1.559</i>	Charlotte, N. C.	.767
Miami, Fla.	2.186	Boston, Mass.	1.551	Population group V (40,000 to 100,000):	
New Haven, Conn.	2.183	Washington, D. C.	1.310	Phoenix, Ariz.	1.483
South Bend, Ind.	2.163	Baltimore, Md.	1.284	Butte, Mont.	1.421
Reading, Pa.	2.099	Population group III (250,000 to 500,000):		Charleston, W. Va.	1.341
Rock Island (Ill.) district <sup>1</sup>	2.093	Population group III (250,000 to 500,000):		<i>Average for group V</i>	<i>1.307</i>
Oklahoma City, Okla.	2.072	Newark, N. J.	2.123	Manchester, N. H.	1.175
Syracuse, N. Y.	2.072	Seattle, Wash.	1.705	Portland, Maine	1.155
Grand Rapids, Mich.	2.071	Toledo, Ohio	1.643	El Paso, Tex.	1.110
<i>Average for group IV</i>	<i>\$2.060</i>	Oakland, Calif.	1.615	York, Pa.	1.106
Scranton, Pa.	2.047	Portland, Oreg.	1.539	Mobile, Ala.	1.016
		Denver, Colo.	1.532	Little Rock, Ark.	.852
				Jackson, Miss.	.850
				Savannah, Ga.	.782
				Charleston, S. C.	.773

<sup>1</sup> Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 10.—Indexes of union weekly hours in the building trades, 1907-48

[June 1, 1939=100]

Date	All trades	Journeymen	Helpers and laborers	Date	All trades	Journeymen	Helpers and laborers	Date	All trades	Journeymen	Helpers and laborers
1907: May 15	124.3	123.8	126.1	1921: May 15	115.0	115.1	114.5	1935: May 15	101.5	101.5	101.2
1908: May 15	122.4	122.0	123.5	1922: May 15	115.0	115.2	114.2	1936: May 15	101.5	101.5	101.4
1909: May 15	120.7	120.5	121.0	1923: May 15	115.1	115.3	114.4	1937: May 15	101.9	101.9	101.8
1910: May 15	119.2	119.1	118.8	1924: May 15	115.1	115.3	114.4	1938: June 1	100.2	100.1	100.2
1911: May 15	118.8	118.7	118.6	1925: May 15	115.1	115.3	114.2	1939: June 1	100.0	100.0	100.0
1912: May 15	118.4	118.3	118.3	1926: May 15	114.9	115.1	113.9	1940: June 1	99.9	100.0	99.4
1913: May 15	118.2	118.0	118.3	1927: May 15	114.7	114.8	113.9	1941: June 1	100.3	100.5	99.7
1914: May 15	117.7	117.7	117.6	1928: May 15	114.0	114.0	113.8	1942: July 1	101.1	101.8	98.8
1915: May 15	117.6	117.6	117.5	1929: May 15	113.0	113.3	111.5	1943: July 1	101.0	102.0	98.1
1916: May 15	117.2	117.1	117.2	1930: May 15	109.8	110.0	109.0	1944: July 1	101.2	102.2	98.1
1917: May 15	116.9	116.9	116.7	1931: May 15	108.5	108.5	108.1	1945: July 1	101.2	102.2	98.1
1918: May 15	116.3	116.2	116.3	1932: May 15	106.5	106.6	105.7	1946: July 1	100.2	101.1	97.4
1919: May 15	115.7	115.7	115.2	1933: May 15	106.2	106.2	105.2	1947: July 1	100.1	100.9	97.4
1920: May 15	115.1	115.2	114.5	1934: May 15	102.3	102.3	101.9	1948: July 1	100.1	101.0	97.3

TABLE 11.—Indexes of union weekly hours in each building trade, 1907-48

[June 1, 1939=100]

Date	Asbestos workers	Boilermakers	Bricklayers	Carpenters	Cement finishers	Electricians (inside wiremen)	Elevator constructors	Glaziers	Lathers	Machinists	Marble setters	Mosaic and terrazzo workers	Painters	Paperhangers	Plasterers
1907: May 15			122.9	121.0	122.7	124.2					113.0		133.1		125.8
1908: May 15			120.3	119.2	121.6	123.3					113.0		131.0		125.2
1909: May 15			117.8	117.8	122.5	122.5					111.8		129.2		125.2
1910: May 15			115.6	116.4	122.3	121.8					111.6		127.5		125.1
1911: May 15			115.1	115.8	121.1	121.6					111.1		126.7		125.8
1912: May 15			115.1	115.7	121.1	121.2			121.8		111.1		126.6		124.3
1913: May 15			114.9	115.6	119.8	120.7			121.8		111.1		125.9		124.3
1914: May 15			114.4	115.1	119.0	120.3	114.7		121.8		110.9		125.6		124.2
1915: May 15			114.3	115.1	119.0	119.6	114.2		121.2		110.9		125.6		123.6
1916: May 15	115.1		114.0	115.1	117.2	118.6	114.1		121.2		110.7	118.5	124.7		122.3
1917: May 15	114.6		113.7	115.1	115.9	118.1	113.5		120.6		110.6	118.5	124.6		122.2
1918: May 15	114.0		113.7	113.9	115.3	117.3	113.5	118.0	120.6		110.6	114.3	124.0		121.9
1919: May 15	112.8		113.5	113.2	114.4	116.3	112.7	118.0	120.3		110.1	114.3	123.8		121.9
1920: May 15	112.7		113.4	113.3	113.8	116.0	112.6	117.5	119.6		110.1	114.3	120.2		121.6
1921: May 15	113.0		113.4	113.2	113.8	116.0	112.5	118.0	119.3		110.2	114.3	120.3		121.3
1922: May 15	113.0		113.4	113.3	113.7	116.0	112.2	118.1	119.4		110.2	114.3	121.2		121.4
1923: May 15	112.7		113.4	113.7	113.7	116.0	112.3	117.5	119.8		110.2	114.3	120.9		122.0
1924: May 15	112.8		113.3	113.5	113.7	115.9	112.3	117.5	119.6		110.2	114.4	120.8		122.1
1925: May 15	112.8		113.2	113.2	113.5	113.4	115.9	112.2	117.1	119.2	110.2	114.3	121.1		121.7
1926: May 15	112.8		113.3	113.5	113.4	115.9	112.2	117.5	118.9		110.2	114.3	120.7		118.2
1927: May 15	112.7		112.7	113.5	113.0	115.9	112.2	117.9	118.3		110.1	113.9	120.2		117.7
1928: May 15	112.7		112.7	112.9	112.4	115.3	112.2	117.4	117.7		110.1	113.9	117.0		116.7
1929: May 15	111.7		109.8	112.9	112.5	112.6	111.7	116.1	117.1		110.1	114.0	118.7		115.6
1930: May 15	107.6		107.1	109.4	108.1	109.9	108.2	112.4	110.4		104.3	107.8	115.4		113.0
1931: May 15	105.0		105.5	107.7	106.9	108.8	106.1	110.4	109.8		102.4	106.7	114.4		112.1
1932: May 15	103.7		103.1	105.0	105.6	106.2	106.1	107.9	109.3		101.3	102.4	114.2		110.1
1933: May 15	102.6		104.2	103.4	107.6	106.2	103.9	107.9	108.8		101.2	103.8	114.0		112.4
1934: May 15	102.5		102.4	102.5	103.7	99.9	103.0	102.3	102.5		100.1	103.7	99.9		107.6
1935: May 15	101.7		102.3	102.0	103.5	95.8	102.7	101.6	102.3		100.1	103.0	99.8		105.9
1936: May 15	102.0		102.3	102.1	103.0	96.2	103.5	102.0	101.3		100.0	101.9	100.2		104.2
1937: May 15	101.7	105.3	103.3	102.9	103.1	100.9	103.2	102.1	102.7	100.7	102.0	102.6	100.2	100.5	104.3
1938: June 1	100.0	100.0	99.9	100.0	100.0	100.3	102.5	100.2	100.8	100.1	100.0	100.0	100.4	99.8	100.0
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	99.4	100.0	99.7	100.0	100.2	100.0	99.6	100.0	99.8	100.0	95.5	100.0	100.5	100.3	99.8
1941: June 1	100.0	100.5	99.9	100.6	100.7	100.6	99.3	100.6	100.7	99.8	95.7	100.3	100.7	100.8	100.1
1942: July 1	100.1	100.6	100.8	100.8	100.6	104.6	99.0	102.0	102.5	99.8	95.7	100.3	106.5	108.0	102.0
1943: July 1	100.1	100.6	100.8	100.8	100.6	104.6	99.0	102.0	103.4	99.8	95.7	100.3	106.5	108.0	106.0
1944: July 1	100.1	100.6	100.8	101.1	100.6	104.6	99.0	102.0	103.0	99.8	95.7	100.3	106.8	108.9	106.1
1945: July 1	100.1	100.6	100.8	101.1	100.6	104.6	99.0	102.0	103.6	99.8	95.7	100.3	106.8	108.9	106.1
1946: July 1	101.2	98.6	100.3	100.3	100.4	100.5	99.0	102.0	102.2	99.3	95.7	100.3	106.1	108.7	104.1
1947: July 1	101.2	98.6	99.8	100.2	100.0	100.5	99.0	103.5	102.2	100.1	95.7	99.3	106.2	109.0	103.0
1948: July 1	101.5	100.0	100.5	100.2	100.0	100.5	99.0	103.5	98.1	100.1	95.8	101.0	106.2	109.0	102.9

TABLE 11.—Indexes of union weekly hours in each building trade, 1907-48—Continued

[June 1, 1939=100]

Date	Plumb- ers and gas fitters	Rod- men	Roof- ers, com- posi- tion	Roof- ers, slate and tile	Sheet- metal work- ers	Steam and sprin- kler fitters	Stone- masons	Struct- ural- iron work- ers <sup>1</sup>	Tile layers	Brick- layers' ten- ders	Build- ing labo- rers	Compo- sition roofers' help- ers	Plas- ters' labo- rers	Plumb- ers' labo- rers	Tile layers' help- ers
1907: May 15	120.6				117.0	120.3	118.4	121.3		118.9	121.6		125.7		
1908: May 15	120.7				116.9	120.3	118.4	118.9		118.9	121.6		125.2		
1909: May 15	120.7				116.9	120.0	118.4	117.3		118.5	121.2		124.9		
1910: May 15	120.5				116.9	119.3	116.6	116.0		117.5	118.3		124.9		
1911: May 15	120.2				116.6	119.2	115.8	115.8		116.9	118.3		124.8		
1912: May 15	119.2				115.1	118.4	115.8	114.6	111.5	118.0	118.3		124.2		126.3
1913: May 15	119.2				114.9	118.0	115.7	114.1	113.9	116.0	118.3		124.2		125.6
1914: May 15	118.8		113.2	112.8	114.8	116.5	115.7	113.9	113.9	114.5	117.9		124.3		125.6
1915: May 15	118.8		113.2	112.8	114.6	116.5	115.6	113.9	113.5	114.5	117.9		124.3		123.7
1916: May 15	118.2		113.2	112.4	114.1	116.1	115.4	113.6	112.9	114.5	117.3		123.1		123.3
1917: May 15	118.1		112.4	110.4	114.0	116.0	115.3	113.4	112.6	114.4	116.0		122.9		122.3
1918: May 15	117.1		111.9	110.4	112.8	114.9	115.3	113.0	112.6	114.4	115.5		122.9		122.3
1919: May 15	116.7		111.9	110.1	112.3	114.8	114.6	112.8	112.1	114.0	113.3		122.4		121.9
1920: May 15	116.7		111.9	110.1	111.9	114.7	114.6	112.8	111.8	113.8	112.1		122.4		121.9
1921: May 15	116.5		109.8	110.0	111.9	114.6	114.7	112.8	111.9	113.8	112.1		121.9		122.1
1922: May 15	116.5		109.8	109.9	111.8	114.6	114.6	112.8	111.7	114.0	111.3		121.9		122.1
1923: May 15	116.5		109.8	110.2	111.8	114.6	114.6	112.8	112.0	114.0	112.1		122.0		123.2
1924: May 15	116.5		109.8	109.8	111.8	114.6	114.3	112.8	112.0	113.9	111.8		121.9		123.2
1925: May 15	116.5		109.8	109.8	111.8	114.6	114.3	112.5	112.0	113.8	111.9		121.8		123.2
1926: May 15	116.5		109.8	109.8	111.8	114.4	114.5	112.8	112.0	113.9	112.1		117.8		123.2
1927: May 15	116.2		109.8	109.8	111.4	114.2	114.3	112.8	111.9	113.9	112.3		117.7		123.2
1928: May 15	116.2		109.7	109.8	111.1	114.2	114.2	112.7	111.6	113.9	112.2		118.0		123.2
1929: May 15	115.2		109.2	108.5	111.0	113.6	110.9	112.2	111.4	107.6	110.0		117.9		122.6
1930: May 15	109.9		104.9	103.8	106.9	108.5	107.1	108.8	105.6	106.9	110.0		114.9		114.7
1931: May 15	108.4		103.6	102.1	105.1	107.4	105.2	107.5	104.2	108.3	108.7		113.9		113.5
1932: May 15	108.0		102.5	102.1	103.6	106.4	104.8	104.8	103.1	104.0	104.9		113.6		112.0
1933: May 15	107.5		103.8	102.1	103.5	105.8	104.0	104.5	102.9	103.4	104.5		111.7		112.1
1934: May 15	106.5		101.1	101.7	102.0	105.1	103.5	103.0	96.0	101.5	99.9		108.3		107.4
1935: May 15	105.8		101.0	100.4	102.1	104.8	103.4	101.8	96.0	101.4	99.8		107.0		93.5
1936: May 15	104.4		101.6	101.3	102.0	105.0	103.4	101.7	95.9	101.2	100.3		105.2		93.5
1937: May 15	105.0	100.1	101.7	101.2	102.1	105.1	103.4	101.2	100.0	101.5	100.6	100.0	105.2		100.0
1938: June 1	99.7	100.1	99.9	100.0	100.0	99.6	100.0	100.1	100.0	100.3	100.1	100.0	100.3	100.0	100.0
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	99.0	100.0	99.6	99.9	100.0	100.0	99.9	100.0	100.0	99.9	99.4	99.7	99.6	99.9	100.0
1941: June 1	99.4	100.9	100.3	99.9	100.8	100.6	100.0	100.4	100.4	99.8	99.7	100.3	100.0	99.9	100.4
1942: July 1	99.9	101.9	100.4	101.3	100.9	102.2	100.2	101.1	101.7	98.6	98.8	100.6	100.1	98.6	100.4
1943: July 1	101.8	101.0	100.3	101.1	100.9	102.2	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.8	100.4
1944: July 1	101.8	101.0	100.2	101.1	100.9	102.2	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.7	100.4
1945: July 1	101.8	101.0	100.2	101.1	100.9	102.2	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.7	100.4
1946: July 1	98.3	100.4	99.9	101.1	100.8	101.3	100.0	101.1	100.7	96.9	97.2	100.1	100.0	96.9	100.4
1947: July 1	97.3	99.8	99.9	101.1	100.1	101.3	99.3	101.1	100.7	96.4	97.2	100.1	99.2	96.9	100.4
1948: July 1	97.6	99.8	99.9	101.1	100.1	101.3	101.0	101.1	100.7	96.4	97.2	100.1	97.9	96.9	100.4

<sup>1</sup> Included rodmen prior to 1940.

TABLE 12.—Distribution of union members in building trades in selected cities, by straight-time weekly hours and by trade, July 1, 1948

Trade	Average hours per week	Percent of union members having workweeks of—				Trade	Average hours per week	Percent of union members having workweeks of—							
		30 hours	35 hours	40 hours	48 hours			30 hours	35 hours	40 hours	48 hours				
All building trades	39.2														
Journeyman	39.1					Journeymen—Continued									
Asbestos workers	39.6		8.0	92.0		Roofers, composition	39.9		1.4	98.4					.2
Boilermakers	40.0			100.0		Roofers, slate and tile	40.0			100.0					
Bricklayers	38.9	.1	21.9	77.5	.5	Sheet-metal workers	39.6		8.1	91.9					
Carpenters	39.3	.2	13.8	86.0		Steam and sprinkler fitters	39.4	( <sup>1</sup> )	12.8	87.2					
Cement finishers	39.5	( <sup>1</sup> )	9.5	90.5		Stonemasons	39.4	( <sup>1</sup> )	12.2	87.8					
Electricians (inside wiremen)	38.6	13.7		86.3		Structural-iron workers	39.8		3.0	97.0					
Elevator constructors	40.0			100.0		Tile layers	40.0			100.0					
Glaziers	39.4		12.0	88.0		Helpers and laborers	39.3								
Lathers	36.9	22.1	18.7	59.2		Bricklayers' tenders	38.5	.5	28.8	70.7					
Machinists	40.0			100.0		Building laborers	39.8	( <sup>1</sup> )	4.3	95.5					.2
Marble setters	40.0			100.0		Composition roofers' helpers	39.7		5.2	94.8					
Mosaic and terrazzo workers	39.3		14.8	85.2		Elevator constructors' helpers	40.0			100.0					
Painters	39.1	.1	18.4	81.5		Marble setters' helpers	39.9	.9		99.1					
Paperhangers	39.9		2.4	97.6		Plasterers' laborers	37.4	23.6	5.3	71.1					
Plasterers	36.6	33.4	1.3	65.3		Plumbers' laborers	40.0			100.0					
Plumbers and gas fitters	38.0	19.7	.6	79.7		Terrazzo workers' helpers	39.0	.2	20.5	79.3					
Rodmen	39.7		5.5	94.5		Tile layers' helpers	40.0	.1		99.9					

<sup>1</sup> Less than 0.05 of 1 percent.

TABLE 13.—Percent of union members affected by changes in straight-time weekly hours in selected cities, by trade, July 1, 1948, compared with July 1, 1947

Trade	Percent of union members affected by—			Trade	Percent of union members affected by—		
	No change	Increase	Decrease		No change	Increase	Decrease
All building trades.....	99.4	0.4	0.2	Journeyman—Continued			
Journeyman.....	99.4	.5	.1	Roofers, composition.....	100.0		
Asbestos workers.....	97.9	2.1		Roofers, slate and tile.....	100.0		
Bollermakers.....	88.6	11.4		Sheet-metal workers.....	100.0		
Bricklayers.....	96.9	3.1		Steam and sprinkler fitters.....	100.0		
Carpenters.....	100.0			Stonemasons.....	91.3	8.7	
Cement finishers.....	100.0		( <sup>1</sup> )	Structural-iron workers.....	100.0		
Electricians (inside wiremen).....	100.0			Tile layers.....	100.0		
Elevator constructors.....	100.0			Helpers and laborers.....	99.6		
Glaziers.....	100.0			Bricklayers' tenders.....	100.0		
Lathers.....	84.7		15.3	Building laborers.....	100.0		
Machinists.....	100.0			Composition roofers' helpers.....	100.0		
Marble setters.....	99.2	.8		Elevator constructors' helpers.....	100.0		
Mosaic and terrazzo workers.....	93.5	6.5		Marble setters' helpers.....	100.0		
Painters.....	100.0			Plasterers' laborers.....	95.2	4.8	
Paperhangers.....	100.0			Plumbers' laborers.....	100.0		
Plasterers.....	99.7		.3	Terrazzo workers' helpers.....	100.0		
Plumbers and gas fitters.....	98.7	1.3		Tile layers' helpers.....	100.0		
Rodmen.....	100.0						

<sup>1</sup> Less than 0.05 of 1 percent.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947

[Hours per week 40, unless otherwise indicated]

ALBUQUERQUE, N. MEX.

Classification	Rate per hour—July 1, 1948 <sup>1</sup>	Classification	Rate per hour—July 1, 1948 <sup>1</sup>	Classification	Rate per hour—July 1, 1948 <sup>1</sup>
<i>Journeyman</i>		<i>Journeyman—Continued</i>		<i>Journeyman—Continued</i>	
Asbestos workers.....	\$1.875	Engineers—Power equipment operators—Continued		Painters.....	\$1.750
Bricklayers.....	2.500	Pumps.....	\$1.900	Spray.....	2.000
Carpenters.....	2.000	Rollers.....	1.900	Structural steel.....	2.250
Cement finishers.....	2.000	Scrapers.....	1.900	Plasterers.....	2.500
Electricians (inside wiremen).....	2.250	Shovels:		Plumbers and gas fitters.....	2.250
Engineers—Power equipment operators:		Under 3 yards.....	2.000	Sheet-metal workers.....	2.000
Air compressors.....	1.900	3 yards and over.....	2.250	Sign painters.....	2.250
Bulldozers.....	1.900	Tractors:		Steam fitters.....	2.250
Cranes, derricks, and draglines:		35 horsepower and under without attachments.....	1.400	Stonemasons.....	2.500
Under 3 yards.....	2.000	Over 35 horsepower or with power attachments.....	1.900	Structural-iron workers.....	2.250
3 yards and over.....	2.250	Trenching machines.....	1.900	Ornamental.....	2.250
Graders, elevating.....	1.900	Glaziers.....	1.750	Rodmen.....	2.000
Holsts:		Lathers.....	2.250	Tile layers.....	2.000
1 drum.....	1.900	Marble setters.....	2.000		
2 drums.....	2.000	Mosaic and terrazzo workers.....	2.000	<i>Helpers and laborers</i>	
Mixers, concrete:				Bricklayers' tenders.....	1.450
Under 1 yard.....	1.900			Building laborers.....	1.150
1 yard and over.....	2.000			Plasterers' laborers.....	1.450
				Tile layers' helpers.....	1.325

<sup>1</sup> Data for July 1, 1947 not available.

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TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## ATLANTA, GA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.875	\$1.750	7.1	Engineers—Power equipment operators—Con. Trenching machines.....	\$1.800	\$1.600	12.5
Boilermakers.....	2.000	1.750	14.3	Glaziers.....	1.750	1.625	7.7
Bricklayers.....	2.250	2.000	12.5	Lathers.....	2.000	2.000	-----
Carpenters.....	1.775	1.650	7.6	Machinists.....	2.125	1.750	21.4
Millwrights and pile drivers.....	1.900	1.900	-----	Marble setters.....	2.250	2.000	12.5
Cement finishers.....	2.100	2.000	5.0	Mosaic and terrazzo workers.....	2.250	2.000	12.5
Electricians (inside wiremen).....	2.000	1.800	11.1	Painters.....	1.750	1.625	7.7
Elevator constructors.....	2.000	1.910	4.7	Spray.....	3.500	3.250	7.7
Engineers—Power equipment operators:				Structural steel and swinging stage.....	2.000	1.875	6.7
Air compressors:				Paperhangers.....	2.000	1.750	14.3
Portable.....	1.400	1.400	-----	Plasterers.....	2.250	2.000	12.5
Stationary.....	1.500	1.400	7.1	Plumbers and gas fitters.....	2.500	2.000	25.0
Bulldozers:				Roofers:			
Under 40 horsepower.....	1.400	1.400	-----	Composition.....	1.500	1.500	-----
40 horsepower and over.....	1.500	1.400	7.1	Slate and tile.....	1.500	1.500	-----
Cranes and derricks.....	2.000	1.750	14.3	Sheet-metal workers.....	1.850	1.650	12.1
Draglines.....	1.800	1.675	7.5	Sign painters.....	2.000	1.750	14.3
Graders, elevating.....	1.800	1.675	7.5	Steam fitters.....	2.500	2.000	25.0
Hoists:				Stonemasons.....	2.250	2.000	12.5
1 drum.....	1.500	1.500	-----	Structural- and ornamental-iron workers.....	2.000	1.750	14.3
2 drums.....	1.750	1.750	-----	Rodmen.....	1.750	1.500	16.7
Locomotive.....	1.675	1.675	-----	Tile layers.....	2.250	2.000	12.5
Mixers:							
Under 108.....	1.400	1.400	-----	<i>Helpers and laborers</i>			
108 and over.....	1.675	1.675	-----	Boilermakers' helpers.....	1.750	1.500	16.7
Pumps.....	1.400	1.400	-----	Bricklayers' tenders.....	1.000	.850	17.6
Rollers.....	1.400	1.400	-----	Building laborers.....	.900	.750	20.0
Scrapers.....	1.500	1.400	7.1	Elevator constructors' helpers.....	1.400	1.340	4.5
Shovels.....	1.800	1.675	7.5	Plasterers' laborers.....	1.000	.850	17.6
Tractors:				Plumbers' laborers.....	.900	.750	20.0
40 horsepower and under.....	1.400	1.400	-----				
Over 40 horsepower.....	1.500	1.400	7.1				
Tournapulls.....	1.800	1.600	12.5				

## BALTIMORE, MD.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.125	\$2.000	6.3	Paperhangers.....	\$1.775	\$1.775	-----
Boilermakers.....	2.250	2.000	12.5	Plasterers.....	2.250	2.000	12.5
Bricklayers.....	2.500	2.250	11.1	Plumbers.....	2.250	2.000	12.5
Carpenters.....	1.950	1.950	-----	Roofers:			
Parquetry floor layers.....	2.200	1.950	12.8	Composition.....	1.650	1.500	10.0
Wharf and bridge.....	2.200	1.950	12.8	Foremen.....	1.925	1.775	8.5
Cement finishers.....	2.150	1.900	13.2	Slate and tile.....	1.900	1.705	11.4
Electricians (inside wiremen).....	2.250	2.000	12.5	Sheeters and precast slabmen.....	2.000	1.850	8.1
Elevator constructors.....	2.180	1.970	10.7	Sheet-metal workers.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Sign painters.....	2.000	1.650	21.2
Air compressors:				Spray men.....	1.570	1.300	20.8
When used in banks comprising a plant.....	2.200	2.200	-----	Steam fitters.....	2.250	2.000	12.5
Bulldozers.....	1.575	1.575	-----	Stonemasons.....	2.500	2.250	11.1
Cranes, derricks, and draglines.....	2.200	2.200	-----	Structural-iron workers.....	2.400	2.150	11.6
Graders:				Rodmen.....	2.100	1.850	13.5
Autopatrol type.....	1.700	1.700	-----	Sheeters.....	2.400	2.400	-----
Elevating.....	2.200	2.200	-----	Bucker-up.....	2.400	2.275	5.5
Hoists:				Tile layers.....	2.250	2.000	12.5
1 drum.....	1.750	1.750	-----				
2 or more active drums.....	2.200	2.200	-----	<i>Helpers and laborers</i>			
Mixers, 2 bags and over.....	1.750	1.750	-----	Bricklayers' tenders.....	1.350	1.200	12.5
Pumps.....	1.750	1.750	-----	Mortar mixers.....	1.350	1.200	12.5
Rollers, including hot asphalt.....	1.750	1.750	-----	Building laborers.....	1.250	1.100	13.6
Shovels.....	2.200	2.200	-----	Jackhammer operators.....	1.350	1.200	12.5
Tractors:				Scaffold builders.....	1.500	1.400	7.1
Caterpillar type.....	1.575	1.575	-----	Elevator constructors' helpers.....	1.530	1.380	10.9
Without mechanical attachment.....	1.250	1.250	-----	Marble setters' helpers.....	1.500	1.375	9.1
Trenching machines.....	2.200	2.200	-----	Plasterers' laborers.....	1.350	1.200	12.5
Glaziers.....	1.925	1.750	10.0	Hod carriers.....	1.500	1.400	7.1
Lathers.....	2.250	2.000	12.5	Plumbers' laborers.....	1.250	1.100	13.6
Machinists.....	2.250	1.850	17.8	Terrazzo workers' helpers.....	1.500	1.375	9.1
Marble setters.....	2.250	2.000	12.5	Tile layers' helpers.....	1.500	1.375	9.1
Mosaic and terrazzo workers.....	2.250	2.000	12.5				
Painters.....	1.775	1.775	-----				
Structural steel.....	1.900	1.900	-----				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## BIRMINGHAM, ALA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.900	\$1.750	8.6	Painters.....	\$2.000	\$1.750	14.3
Bricklayers.....	2.250	2.250	—	Spray.....	3.000	2.500	20.0
Carpenters.....	1.800	1.625	10.8	Structural steel, stage and swing stage.....	2.125	1.875	13.3
Millwrights.....	1.925	1.750	10.0	Paperhangers.....	2.000	1.750	14.3
Cement finishers.....	2.075	1.875	10.7	Plasterers.....	2.200	2.000	10.0
Electricians (inside wiremen).....	2.250	2.000	12.5	Plumbers and gas fitters.....	2.250	2.000	12.5
Elevator constructors.....	2.030	1.840	10.3	Roofers:			
Engineers—Power equipment operators:				Composition.....	1.550	1.400	10.7
Air compressors.....	1.625	1.500	8.3	Slate and tile.....	1.710	1.560	9.6
Bulldozers.....	1.775	1.650	7.6	Sheet-metal workers.....	1.900	1.725	10.1
Cranes, derricks, and draglines.....	2.000	1.875	6.7	Sign painters.....	2.000	1.850	8.1
Graders:				Steam fitters.....	2.250	2.000	12.5
Blade.....	1.725	1.600	7.8	Stonemasons.....	2.250	2.250	—
Motor.....	1.875	1.750	7.1	Structural- and ornamental-iron workers:			
Hoists:				Rodmen.....	1.825	1.650	10.6
1 drum.....	1.750	1.600	9.4	Sheeters.....	2.325	1.900	22.4
2 drums.....	2.000	1.875	6.7	Tile layers.....	2.000	1.750	14.3
Mixers:							
Under 5 bags.....	1.625	1.500	8.3	<i>Helpers and laborers</i>			
5 bags and over.....	2.000	2.000	—	Bricklayers' tenders.....	.950	.850	11.8
Pumps.....	1.625	1.500	8.3	Mortar mixers.....	1.050	.950	10.5
Rollers.....	1.750	1.625	7.7	Building laborers.....	.950	.850	11.8
Scrapers.....	2.000	1.875	6.7	Elevator constructors' helpers.....	1.420	1.290	10.1
Shovels.....	2.000	1.875	6.7	Marble setters' helpers.....	1.050	.950	10.5
Tractors.....	1.750	1.625	7.7	Plasterers' laborers.....	1.000	.900	11.1
Trenching machines.....	2.000	1.875	6.7	Plumbers' laborers.....	1.050	.950	10.5
Glaziers.....	1.800	1.625	10.8	Terrazzo workers' helpers.....	1.050	.950	10.5
Lathers.....	2.000	1.875	6.7	Tile layers' helpers.....	1.050	.950	10.5
Marble setters.....	2.250	2.250	—				
Mosaic and terrazzo workers.....	2.000	1.750	14.3				

## BOSTON, MASS.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.150	\$1.900	13.2	Roofers—Continued			
Bricklayers.....	2.500	2.150	16.3	Slate and tile.....	\$2.150	\$1.820	18.1
Boilermakers.....	2.250	2.000	12.5	Sheet-metal workers.....	2.150	1.900	13.2
Carpenters.....	2.100	1.900	10.5	Sign painters.....	1.775	1.625	9.2
Wharf and bridge.....	2.100	1.900	10.5	Letterers.....	1.900	1.700	11.8
Cement finishers.....	2.500	1.995	25.3	Pictorial.....	2.100	1.950	7.7
Electricians (inside wiremen).....	2.300	2.150	7.0	Steamfitters.....	2.300	2.000	15.0
Elevator constructors.....	2.170	2.060	5.3	Sprinkler fitters.....	2.150	2.000	7.5
Engineers—Power equipment operators:				Stonecutters:			
Air compressors.....	2.000	1.800	11.1	Inside.....	2.050	1.750	17.1
Bulldozers.....	2.075	1.875	10.7	Outside.....	2.500	2.000	25.0
Cranes, derricks, and draglines.....	2.450	2.250	8.9	Carvers:			
Graders.....	2.075	1.875	10.7	Inside.....	2.300	2.000	15.0
Hoists:				Outside.....	2.750	2.250	22.2
1 or 2 drums.....	2.075	1.875	10.7	Artificial stone patchers:			
3 drums.....	2.450	2.250	8.9	Inside.....	1.825	1.525	19.7
Mixers.....	2.075	1.875	10.7	Outside.....	2.500	2.000	25.0
Pumps.....	2.000	1.800	11.1	Structural-iron workers (rodmen).....	2.400	2.000	20.0
Rollers.....	2.075	1.875	10.7	Tile layers.....	2.250	2.000	12.5
Scrapers.....	2.075	1.875	10.7				
Shovels.....	2.450	2.250	8.9	<i>Helpers and laborers</i>			
Trenching machines.....	2.075	1.875	10.7	Bricklayers' tenders.....	1.550	1.400	10.7
Glaziers.....	2.000	1.875	6.7	Building laborers.....	1.550	1.400	10.7
Lathers.....	2.500	2.000	25.0	Composition roofers' helpers.....	1.550	1.300	19.2
Machinists.....	2.250	2.000	12.5	Elevator constructors' helpers.....	1.520	1.440	5.6
Marble setters.....	2.250	2.000	12.5	Marble setters' helpers.....	1.650	1.400	17.9
Mosaic and terrazzo workers.....	2.250	2.000	12.5	Plasterers' laborers.....	1.700	1.400	21.4
Painters.....	2.000	1.875	6.7	Sprinkler fitters' helpers.....	1.500	1.350	11.1
Plasterers.....	2.500	2.000	25.0	Terrazzo workers' helpers.....	1.700	1.500	13.3
Plumbers and gas fitters.....	2.300	2.000	15.0	Tile layers' helpers.....	1.650	1.400	17.9
Roofers:							
Composition.....	2.150	1.820	18.1				
Waterproof and damp proof.....	2.150	1.820	18.1				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

BUFFALO, N. Y.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.400	\$2.150	11.6	Plumbers and gas fitters.....	\$2.400	\$2.150	11.6
Boilermakers.....	2.400	2.150	11.6	Roofers:			
Bricklayers.....	2.500	2.250	11.1	Composition.....	2.150	1.900	13.2
Carpenters.....	2.250	2.000	12.5	Residential.....	2.100	1.850	13.5
Millwrights.....	2.350	2.100	11.9	Slate and tile.....	2.300	2.050	12.2
Cement finishers.....	2.230	1.980	12.6	Sheet-metal workers.....	2.250	2.000	12.5
Swing scaffold.....	2.500	2.230	12.1	Sign painters.....	2.125	1.875	13.3
Machine operators.....	2.400	2.150	11.6	Pictorial.....	2.240	1.950	14.9
Swing scaffold.....	2.650	2.600	1.9	Steamfitters.....	2.400	2.150	11.6
Electricians (inside wiremen).....	2.365	2.150	10.0	Sprinkler fitters.....	2.400	2.000	20.0
Elevator constructors.....	2.415	2.170	11.3	Stonecutters (curb).....	2.100	1.900	10.5
Engineers—Power equipment operators:				Building, fitting and cutting.....	2.350	2.250	4.4
Air compressors.....	2.025	1.775	14.1	Stonemasons.....	2.500	2.250	11.1
Cranes, derricks, and draglines.....	2.400	2.150	11.6	Structural-iron workers.....	2.400	2.150	11.6
Graders, power.....	2.275	2.025	12.3	Ornamental-iron workers.....	2.400	2.150	11.6
Hoists.....	2.235	1.985	12.6	Rodmen.....	2.400	2.150	11.6
LeTourneau.....	2.275	2.025	12.3	Sheeters.....	2.650	2.400	10.4
Mixers, ½ cubic yard or over.....	2.150	1.900	13.2	Bucker up.....	2.525	2.275	11.0
Pumps:				Tile layers.....	2.375	1.925	23.4
2 or 3 in battery.....	2.150	1.900	13.2				
Single, 4 inches or over.....	2.025	1.775	14.1	<i>Helpers and laborers</i>			
Rollers.....	2.275	2.025	12.3	Bricklayers' tenders.....	1.650	1.400	17.9
Shovels.....	2.400	2.150	11.6	Building laborers.....	1.650	1.400	17.9
Trenching machines.....	2.275	2.025	12.3	Jackhammer operators.....	1.750	1.500	16.7
Glaziers.....	1.900	1.700	11.8	Elevator constructors' helpers.....	1.690	1.520	11.2
Lathers.....	2.400	2.150	11.6	Marble setters' helpers.....	1.675	1.425	17.5
Marble setters.....	2.350	2.100	11.9	Plasterers' laborers.....	1.750	1.500	16.7
Mosaic and terrazzo workers.....	2.375	1.925	23.4	Mortar mixers.....	1.800	1.550	16.1
Painters.....	2.125	1.875	13.3	Sprinkler fitters' helpers.....	1.500	1.350	11.1
Spray, structural steel, swinging scaffold.....	2.125	2.125	0.0	Terrazzo workers' helpers.....	1.675	1.425	17.5
Paperhangers.....	2.125	1.875	13.3	Tile layers' helpers.....	1.675	1.425	17.5
Plasterers.....	2.400	2.150	11.6				

BUTTE, MONT.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.100	\$2.100	0.0	Engineers—Power equipment operators—Con.			
Carpenters.....	\$2.000	\$2.000	0.0	Shovels—Continued			
Cement finishers.....	\$2.500	\$2.500	0.0	1 yard to and including 4 yards.....	\$2.000	(*)	
Electricians (inside wiremen).....	\$2.250	\$2.000	12.5	Over 4 yards.....	2.250	(*)	
Elevator constructors.....	2.220	2.040	8.8	Tractors.....	1.850	\$1.700	8.8
Engineers—Power equipment operators:				Trenching machines.....	1.850	1.700	8.8
Air compressors:				Glaziers.....	1.625	1.625	0.0
Single.....	1.500	1.400	7.1	Lathers.....	\$2.600	\$2.500	4.0
Two or more.....	1.650	1.400	17.9	Marble setters.....	\$2.100	\$2.100	0.0
Bulldozers.....	1.850	1.700	8.8	Mosaic and terrazzo workers.....	\$2.100	\$2.100	0.0
Cranes, derricks, and draglines:				Painters.....	\$2.000	\$2.000	0.0
Where shovel equipment is under 1 yard.....	1.900	(*)		Paperhangers.....	\$2.000	\$2.000	0.0
Where shovel equipment is 1 yard to and including 4 yards.....	2.000	1.850	8.1	Plasterers.....	\$2.600	\$2.500	4.0
Where shovel equipment is over 4 yards.....	2.250	1.850	21.6	Plumbers and gas fitters.....	\$2.417	\$2.250	7.4
Graders, elevating.....	1.850	1.650	12.1	Roofers, composition.....	\$1.650	\$1.550	6.5
Hoists:				Sheet-metal workers.....	2.125	1.875	13.3
1 drum.....	1.700	1.650	3.0	Steam fitters.....	\$2.417	\$2.250	7.4
2 drums or more.....	1.850	1.650	12.1	Stonemasons.....	\$2.100	\$2.100	0.0
LeTourneau:				Structural-iron workers.....	2.060	1.685	22.3
Single.....	1.850	1.700	8.8	Rodmen.....	2.060	1.685	22.3
In tandem.....	2.000	1.850	8.1	Tile layers.....	\$2.100	\$2.100	0.0
Mixers:							
Less than 4 bags.....	1.500	1.400	7.1	<i>Helpers and laborers</i>			
4 bags or over.....	1.750	1.650	6.1	Bricklayers' tenders.....	\$1.650	1.650	0.0
Pumps.....	1.500	(*)		Building laborers.....	\$1.375	\$1.250	10.0
Rollers:				Rate B.....	\$1.375	\$1.375	0.0
Grade or surfacing.....	1.600	(*)		Elevator constructors' helpers.....	1.550	1.430	8.4
On all types of finishing.....	1.850	1.650	12.1	Marble setters' helpers.....	\$1.650	\$1.650	0.0
Scrapers.....	2.000	1.700	17.6	Plasterers' laborers.....	\$1.650	\$1.650	0.0
Shovels:				Terrazzo workers' helpers.....	\$1.750	\$1.650	6.1
Under 1 yard.....	1.900	(*)		Tile layers' helpers.....	\$1.750	\$1.650	6.1

\* 30-hour workweek.

\* Not available.

\* 35-hour workweek.

\* 48-hour workweek.



TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## CHARLESTON, S. C.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.750	14.3	Plumbers and gas fitters.....	\$2.250	\$2.000	12.5
Boilermakers.....	2.000	1.750	14.3	Sheet-metal workers.....	1.650	1.500	10.0
Bricklayers.....	2.250	2.000	12.5	Sign painters.....	1.500	1.375	9.1
Carpenters.....	1.500	1.500	—	Steam fitters.....	2.250	2.000	12.5
Millwrights.....	1.750	1.750	—	Structural- and ornamental-iron workers.....	2.000	1.750	14.3
Cement finishers.....	2.000	1.750	14.3	Buckers-up.....	2.125	1.875	13.3
Electricians (inside wiremen):				Rodmen.....	1.750	1.500	16.7
Commercial.....	2.000	1.500	33.3	Sheeters.....	2.250	2.000	12.5
Residential.....	1.500	1.500	—	<i>Helpers and laborers</i>			
Elevator constructors.....	1.900	1.800	5.6	Bricklayers' tenders.....	.850	.850	—
Glaziers.....	1.500	1.375	9.1	Building laborers.....	.750	.750	—
Painters.....	1.500	1.375	9.1	Elevator constructors' helpers.....	1.330	1.260	5.6
Spray.....	1.625	1.625	—	Plasterers' laborers.....	.850	.850	—
Structural steel and swinging stage.....	2.000	1.500	33.3				
Paperhangers.....	1.500	1.375	9.1				
Plasterers.....	2.250	2.000	12.5				

## CHARLESTON, W. VA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$1.930	16.6	Painters.....	\$2.000	\$1.750	14.3
Boilermakers.....	2.250	2.000	12.5	Spray.....	2.250	2.000	12.5
Bricklayers.....	2.500	2.250	11.1	Structural steel.....	2.250	1.750	28.6
Carpenters.....	2.125	1.875	13.3	Paperhangers.....	2.000	1.750	14.3
Millwrights.....	2.250	2.000	12.5	Plasterers.....	2.250	1.875	20.0
Pile drivers.....	2.125	1.875	13.3	Plumbers and gas fitters.....	2.250	2.000	12.5
Cement finishers.....	2.000	1.750	14.3	Roofers:			
Electricians (inside wiremen) and fixture hangers.....	2.250	2.000	12.5	Composition.....	1.750	1.500	16.7
Elevator constructors.....	2.300	2.025	13.6	Slate and tile.....	1.750	1.500	16.7
Engineers—Power equipment operators:				Sheet-metal workers.....	2.060	1.800	13.9
Air compressors.....	1.650	1.650	—	Sign painters.....	2.125	1.875	13.3
Bulldozers.....	1.800	1.750	2.9	Steam fitters (pipe fitters).....	2.250	2.000	12.5
Cranes, derricks, and draglines.....	2.250	2.000	12.5	Stonemasons.....	2.600	2.250	11.1
Graders, power.....	1.800	1.750	2.9	Structural-iron workers.....	2.250	2.000	12.5
Hoists.....	2.250	2.000	12.5	Rodmen.....	2.250	2.000	12.5
Mixers.....	1.700	1.650	3.0	Tile layers.....	2.300	2.050	12.2
Pumps.....	1.500	1.500	—	<i>Helpers and laborers</i>			
Rollers.....	1.700	1.650	3.0	Bricklayers' tenders.....	1.450	1.275	13.7
Shovels.....	2.250	2.000	12.5	Building laborers.....	1.300	1.125	15.6
Tractors.....	1.800	1.750	2.9	Elevator constructors' helpers.....	1.610	1.420	13.4
Trenching machines, excavating.....	2.250	2.000	12.5	Plasterers' laborers.....	1.450	1.275	13.7
Glaziers.....	1.900	1.675	13.4	Plumbers' laborers.....	1.300	1.125	15.6
Lathers.....	2.125	1.875	13.3	Sign painters' helpers.....	1.685	1.450	16.2
Marble setters.....	2.300	2.050	12.2				
Mosaic and terrazzo workers.....	2.300	2.050	12.2				

## CHARLOTTE, N. C.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.875	\$1.750	7.1	Engineers—Power equipment operators—Con.			
Boilermakers.....	2.000	1.750	14.3	Trenching machines.....	\$1.875	\$1.875	—
Bricklayers.....	2.000	1.750	14.3	Glaziers.....	1.500	1.375	9.1
Carpenters.....	1.500	1.400	7.1	Lathers.....	2.000	1.750	14.3
Millwrights.....	2.000	(*)	—	Marble setters.....	2.000	1.750	14.3
Cement finishers.....	1.600	1.600	6.7	Mosaic and terrazzo workers.....	2.000	1.750	14.3
Electricians (inside wiremen).....	1.650	1.500	10.0	Painters.....	1.500	1.375	9.1
Engineers—Power equipment operators:				Spray.....	1.875	1.750	7.1
Air compressors.....	1.625	1.625	—	Structural steel and stage work.....	1.750	1.625	7.7
Bulldozers.....	1.750	1.750	—	Paperhangers.....	1.750	1.625	7.7
Cranes, derricks, and draglines.....	1.875	1.875	—	Plasterers.....	1.825	1.750	4.3
Graders, motor.....	1.750	1.750	—	Plumbers and gas fitters.....	2.125	2.000	6.3
Hoists:				Sheet-metal workers.....	1.800	1.650	9.1
1 drum.....	1.625	1.625	—	Steam fitters.....	2.125	2.000	6.3
2 or more drums.....	1.875	1.875	—	Stonemasons.....	2.000	1.750	14.3
Locomotive.....	1.625	1.625	—	Structural- and ornamental-iron workers.....	2.000	1.750	14.3
Mixers, larger than 105.....	1.500	1.500	—	Rodmen.....	1.750	1.500	16.7
Pumps, over 2 inches.....	1.625	1.625	—	Tile layers.....	2.000	1.750	14.3
Rollers:				<i>Helpers and laborers</i>			
Asphalt.....	1.750	1.750	—	Boilermakers' helpers.....	1.750	1.500	16.7
Earth.....	1.625	1.625	—	Bricklayers' tenders.....	.850	.750	13.3
Scrapers.....	1.875	1.875	—	Building laborers.....	.750	.650	15.4
Shovels.....	1.875	1.875	—	Plasterers' laborers.....	.850	.750	13.3
Tournapulls.....	1.875	1.875	—				
Tractors:							
With attachments.....	1.875	1.875	—				
Without attachments.....	1.625	1.625	—				

\* Not available.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## CHATTANOOGA, TENN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.875	\$1.875		Glaziers.....	\$1.750	\$1.500	16.7
Boilermakers.....	2.000	1.750	14.3	Lathers.....	1.900	1.750	8.6
Bricklayers.....	2.300	2.050	12.2	Marble setters.....	2.300	2.050	12.2
Carpenters:				Mosaic and terrazzo workers.....	2.300	2.050	12.2
Commercial.....	1.900	1.725	10.1	Painters.....	1.750	1.600	9.4
Residential.....	1.750	1.650	6.1	Spray.....	2.750	2.600	5.8
Cement finishers.....	1.850	1.650	12.1	Structural steel erected, swinging scaffold, scaffold over 30 feet.....	2.000	1.850	8.1
Electricians (inside wiremen).....	2.000	1.900	5.3	Structural steel on ground.....	1.750	1.600	9.4
Elevator constructors.....	2.160	1.970	9.6	Paperhangers.....	2.000	1.850	8.1
Engineers—Power equipment operators:				Plasterers.....	2.250	2.000	12.5
Air compressors:				Plumbers and gas fitters.....	2.250	2.000	12.5
1 portable.....	1.300	1.200	8.3	Roofers:			
2 and not more than 3 portable.....	1.600	1.475	8.5	Composition.....	1.850	1.600	15.6
Bulldozers.....	1.800	1.600	12.5	Slate and tile.....	2.000	1.600	25.0
Cranes, derricks, and draglines.....	2.000	1.900	5.3	Sheet-metal workers.....	2.000	1.750	14.3
Graders.....	1.800	1.600	12.5	Sign painters.....	1.750	1.600	9.4
Hoists:				Steam fitters.....	2.250	2.000	12.5
1 drum.....	1.600	1.475	8.5	Stonemasons.....	2.300	2.050	12.2
2 drum.....	1.800	1.750	2.9	Structural and ornamental-iron workers.....	2.000	1.900	5.3
Locomotive:				Riggers and reinforcers.....	2.000	1.900	5.3
Under 20 tons.....	1.600	1.475	8.5	Tile layers.....	2.300	2.050	12.2
20 tons and over.....	1.800	1.600	12.5				
Mixers (over 2 bags—not to include central plants).....	1.600	1.475	8.5	<i>Helpers and laborers</i>			
Pumps:				Boilermakers' helpers.....	1.750	1.500	16.7
1 pump.....	1.300	1.200	8.3	Bricklayers' tenders.....	1.100	.950	15.8
2, not more than 3.....	1.600	1.475	8.5	Mortar mixers.....	1.200	1.000	20.0
Rollers.....	1.600	1.475	8.5	Building laborers.....	1.000	.875	14.3
Scrapers, pans, scoops, or carry-alls (all types).....	1.800	1.750	2.9	Composition roofers' helpers.....	1.100	.850	29.4
Shovels.....	2.000	1.900	5.3	Elevator constructors' helpers.....	1.512	1.379	9.6
Tournapull (machines over 20 yards).....	2.000	1.900	5.3	Plasterers' laborers.....	1.100	.950	15.8
Tractors.....	1.600	1.475	8.5	Slate and tile roofers' helpers.....	1.100	.850	29.4
Trenching machines.....	1.800	1.600	12.5				

## CHICAGO, ILL.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.350	\$2.150	9.3	Plumbers and gas fitters.....	\$2.350	\$2.150	9.3
Boilermakers.....	2.400	2.125	12.9	Roofers:			
Bricklayers.....	2.400	2.200	9.1	Composition.....	2.400	2.200	8.8
Sewer, tunnel, etc.....	2.750	2.500	10.0	Foremen.....	2.650	2.450	8.2
Carpenters.....	2.350	2.150	9.3	Slate and tile.....	2.400	2.200	8.8
Cement finishers.....	2.350	2.150	9.3	Sign painters.....	2.500	2.313	8.1
Pavement, curb and gutter.....	2.350	2.150	9.3	Steam fitters.....	2.350	2.150	9.3
Electricians (inside wiremen).....	2.350	2.150	9.3	Sprinkler fitters.....	2.150	2.150	
Elevator constructors.....	2.380	2.170	9.7	Stonemasons.....	2.400	2.200	8.8
Engineers—Power equipment operators:				Structural-iron workers (erectors).....	2.400	2.200	8.8
All equipment except double drum mixers.....	2.350	2.150	9.3	Rodmen.....	2.400	2.200	8.8
Double drum mixers.....	2.650	2.450	8.2	Ornamental iron finishers.....	2.350	2.150	9.3
Paving mixers.....	2.500	2.300	8.7	Tile layers.....	2.350	2.150	9.3
Elevating graders.....	2.275	2.075	9.6				
Tractors and bulldozers.....	2.050	1.850	10.8	<i>Helpers and laborers</i>			
Blade graders, hand operated.....	1.750	1.550	12.9	Bricklayers' tenders.....	1.700	1.500	13.3
Glaziers.....	2.450	2.250	8.9	Building laborers.....	1.700	1.500	13.3
Granite cutters.....	2.375	1.900	25.0	Elevator constructors' helpers.....	1.665	1.520	9.5
Lathers (wood, wire, and metal).....	2.400	2.225	8.8	Marble setters' helpers.....	1.700	1.500	13.3
Machinists.....	2.350	2.150	9.3	Plasterers' laborers.....	1.825	1.600	14.1
Marble setters.....	2.350	2.150	9.3	Terrazzo workers' helpers.....	1.900	1.700	11.8
Mosaic and terrazzo workers.....	2.350	2.150	9.3	Base-machine operators.....	2.125	1.925	10.4
Painters.....	2.150	2.150		Tile layers' helpers.....	1.650	1.500	10.0
Paperhangers.....	2.150	2.150					
Plasterers.....	2.400	2.225	8.8				

## CINCINNATI, OHIO

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.200	\$2.025	8.6	Engineers—Power equipment operators:			
Boilermakers.....	2.150	2.000	7.5	Air compressors:			
Bricklayers.....	2.500	2.250	11.1	On building construction.....	\$1.875	\$1.625	15.4
Carpenters.....	2.200	1.975	11.4	Steel erection.....	2.250	2.000	12.5
Millwrights.....	2.250	1.975	13.9	Plant operaton.....	2.000	1.750	14.3
Parquetry floor layers.....	2.200	1.975	11.4	Bulldozers.....	2.000	1.750	14.3
Wharf and bridge.....	2.200	1.975	11.4	Cranes, derricks, and draglines.....	2.250	2.000	12.5
Cement finishers.....	2.100	1.875	12.0	Graders, power.....	2.000	1.750	14.3
Electricians (inside wiremen).....	2.375	2.000	16.8	Elevating and Euclid loader.....	2.000	1.750	14.3
Elevator constructors.....	2.390	1.915	24.8				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## CINCINNATI, OHIO—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman—Continued</i>				<i>Journeyman—Continued</i>			
Engineers—Power equipment operators—Con.				Roofers—Continued			
Hoists (hoisting engines).....	\$2.250	\$1.750	28.6	Slate and tile.....	\$2.125	\$1.900	11.8
Mixers:				Precast slab.....	2.225	2.000	11.3
Concrete, with capacity of more than 1 bag,				Sheet-metal workers.....	2.125	1.900	6.3
or 1 bag capacity with side loaders.....	1.875	1.625	15.4	Sign painters.....	2.100	2.000	5.0
Paving 27E or over (single drum).....	2.000	1.750	14.3	Steam fitters.....	2.350	2.125	10.6
Pumps, over 4-inch capacity discharge.....	1.875	1.625	15.4	Stone setters.....	2.500	2.250	11.1
Rollers, asphalt.....	1.875	1.625	15.4	Stonemasons.....	2.600	2.250	11.1
Scrapers and power scoops.....	2.000	1.750	14.3	Structural-iron workers:			
Shovels.....	2.250	2.000	12.5	Bridge, structural and ornamental.....	2.350	2.100	11.9
Tractors (pulling sheep-foot roller or grader)...	1.675	1.425	17.5	Finishers.....	2.350	2.100	11.9
Trenching machines.....	2.000	1.750	14.3	Rodmen.....	2.200	1.950	12.8
Glaziers.....	2.050	1.900	7.9	Tile layers.....	2.340	2.050	14.1
Granite cutters.....	2.000	1.375	45.6				
Lathers, wood and metal.....	2.250	2.000	12.5	<i>Helpers and laborers</i>			
Machinists:				Bricklayers' tenders.....	1.660	1.450	14.5
Erection.....	1.950	1.650	18.2	Building laborers.....	1.460	1.250	16.8
Marble setters.....	2.500	2.250	11.1	Elevator constructors' helpers.....	1.670	1.340	24.6
Mosaic and terrazzo workers.....	2.340	2.050	14.1	Marble setters' helpers.....	1.750	1.500	16.7
Painters.....	2.000	1.875	6.7	Marble polishers.....	1.900	1.650	15.2
Fresco.....	2.000	1.875	6.7	Floor grinders.....	1.900	1.650	15.2
Paperhangers.....	2.000	1.875	6.7	Plasterers' laborers.....	1.660	1.450	14.5
Plasterers.....	2.375	2.125	11.8	Terrazzo workers' helpers.....	1.715	1.500	14.3
Plumbers and gas fitters.....	2.350	2.125	10.6	Base grinders.....	2.005	1.700	17.9
Roofers:				Tile layers' helpers.....	1.615	1.400	15.4
Composition.....	2.000	1.750	14.3				

## CLEVELAND, OHIO

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Mosaic and terrazzo workers.....	\$2.250	\$2.125	5.9
Boilermakers.....	2.300	2.125	8.2	Painters.....	2.125	2.000	6.3
Bricklayers.....	2.375	2.250	5.6	Fresco.....	2.175	2.050	6.1
Caisson and sewer.....	2.625	2.500	5.0	Structural steel, spray and swing stage.....	2.250	2.125	5.9
Carpenters.....	2.375	2.125	11.8	Paperhangers.....	2.125	2.000	6.3
Millwrights.....	2.375	2.125	11.8	Plasterers.....	2.375	2.125	11.8
Pile drivers.....	2.375	2.125	11.8	Plumbers and gas fitters.....	2.375	2.125	11.8
Floor layers and scrapers.....	2.375	2.125	11.8	Roofers:			
Cement finishers.....	2.250	2.000	12.5	Composition.....	2.300	(*)	-----
Swing scaffold.....	2.375	2.125	11.8	Foremen.....	2.500	(*)	-----
Electricians (inside wiremen).....	2.375	2.125	11.8	Slate and tile.....	2.375	2.125	11.8
Elevator constructors.....	2.375	2.100	13.1	Sheet-metal workers.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Sign painters.....	2.275	2.125	7.1
Air compressors:				Steam and sprinkler fitters.....	2.375	2.125	11.8
On building construction.....	2.000	1.875	6.7	Refrigerator installers.....	2.375	2.125	11.8
Steel erection.....	2.375	2.250	5.6	Stonecutters:			
Plant operation.....	2.125	2.000	6.3	Inside.....	2.250	2.000	12.5
Portable.....	1.900	1.675	7.5	Outside.....	2.250	2.125	5.9
Bulldozers.....	2.125	2.000	6.3	Stonemasons.....	2.375	2.250	5.6
Cranes, derricks, and draglines.....	2.375	2.250	5.6	Structural-iron workers.....	2.375	2.250	5.6
Graders, power.....	2.125	2.000	6.3	Sheeters.....	2.750	2.500	10.0
Hoists (hoisting engines).....	2.250	2.000	12.5	Rodmen.....	2.375	2.250	5.6
Mixers:				Sheeters-bucker up.....	2.500	2.375	5.3
1-bag capacity, side loader.....	2.000	1.875	6.7	Tile layers.....	2.250	2.000	12.5
Paving 27E and over (single drum).....	2.125	2.000	6.3				
Pumps, over 4-inch capacity discharge.....	2.000	1.875	6.7	<i>Helpers and laborers</i>			
Rollers:				Boilermakers' helpers.....	2.000	(*)	-----
Asphalt.....	2.000	1.875	6.7	Bricklayers' tenders.....	1.725	1.500	15.0
Brick, grade and macadam.....	1.900	1.675	7.5	Building laborers.....	1.725	1.500	15.0
Scrapers.....	2.125	2.000	6.3	Elevator constructors' helpers.....	1.660	1.470	12.9
Shovels.....	2.375	2.250	5.6	Marble setters' helpers.....	1.750	1.575	11.1
Tractors.....	1.900	1.675	7.5	Plasterers' laborers.....	1.725	1.500	15.0
Trenching machines.....	2.125	2.000	6.3	Plumbers' laborers.....	1.625	1.400	14.1
Glaziers.....	2.250	2.000	12.5	Sign painters' helpers.....	1.700	1.625	1.6
Granite cutters (outside).....	2.300	2.300	-----	Steam fitters' helpers.....	1.700	1.625	1.6
Inside (surface machine).....	1.875	1.750	7.1	Sprinkler fitters' helpers.....	1.600	1.350	11.1
Polishers.....	1.750	(*)	-----	Terrazzo workers' helpers.....	1.750	1.575	11.1
Lathers.....	2.375	2.125	11.8	Machine operators.....	1.875	1.650	13.6
Machinists (machinery erection).....	2.375	2.000	18.8	Tile layers' helpers.....	1.650	1.430	15.4
Marble setters.....	2.250	2.125	5.9				

\* Not available.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## COLUMBUS, OHIO

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.200	\$2.000	10.0	Mosaic and terrazzo workers.....	\$2.063	\$1.750	17.9
Boilermakers.....	2.150	2.000	7.5	Painters.....	1.875	1.750	7.1
Bricklayers.....	2.500	2.250	11.1	Structural steel and spray.....	1.950	1.825	6.8
Carpenters.....	2.050	1.875	9.3	Paperhangers.....	1.875	1.750	7.1
Millwrights.....	2.175	2.000	8.8	Plasterers.....	2.250	2.125	5.9
Parquetry and linoleum tile.....	2.050	1.875	9.3	Plumbers and gas fitters.....	2.200	2.000	10.0
Wharf and bridge.....	2.175	2.000	8.8	Roofers:			
Cement finishers.....	2.000	1.875	6.7	Composition.....	1.875	1.750	7.1
Electricians (inside wiremen).....	2.125	1.875	9.0	Foremen.....	2.125	1.850	14.9
Elevator constructors.....	2.250	1.850	21.3	Slate and tile.....	1.875	1.750	7.1
Engineers—Power equipment operators:				Spray gun or damp proofing and par lock work.....	2.050	1.925	6.5
Air compressors:				Sheet-metal workers.....	2.125	1.875	13.3
On building construction.....	1.875	1.625	15.4	Sign painters.....	1.800	1.650	9.1
Steel erection.....	2.250	2.000	12.5	Steam fitters.....	2.200	2.000	10.0
Plant operation.....	2.000	1.750	14.3	Stonecutters.....	2.250	(0)	—
Bulldozers.....	2.000	1.750	14.3	Plancemen.....	2.250	2.000	12.5
Cranes, derricks, and draglines.....	2.250	2.000	12.5	Stonemasons, stone setters, cement blockmen.....	2.500	2.250	11.1
Graders, power.....	2.000	1.750	14.3	Structural-iron workers.....	2.250	2.125	5.9
Hoists (hoisting engines).....	2.250	1.750	28.6	Ornamental.....	2.250	2.125	5.9
Mixers:				Rodmen.....	2.250	2.125	5.9
Concrete, with capacity of more than 1 bag, or 1 bag capacity with side loader.....	1.875	1.625	15.4	Tile layers.....	2.063	1.750	17.8
Paving 27E or over (single drum).....	2.000	1.750	14.3				
Pumps, over 4-inch capacity discharge.....	1.875	1.625	15.4	<i>Helpers and laborers</i>			
Rollers, asphalt.....	1.875	1.625	15.4	Bricklayers' tenders.....	1.500	1.350	11.1
Scrapers and power scoops.....	2.000	1.750	14.3	Building laborers.....	1.300	1.175	10.6
Shovels.....	2.250	2.000	12.5	Elevator constructors' helpers.....	1.575	1.300	21.2
Tractors (pulling sheepfoot roller or grader).....	1.675	1.425	17.5	Plasterers' laborers.....	1.500	1.350	11.1
Trenching machines.....	2.000	1.750	14.3	Sign painters' helpers:			
Glaziers.....	1.750	1.610	8.7	First year.....	.900	900	—
Lathers.....	2.200	2.075	6.0	Second year.....	1.150	1.100	4.5
Marble setters.....	2.063	1.750	17.9	Third year.....	1.350	1.250	8.0

\* Not available.

## DALLAS, TEX.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.875	6.7	Painters:			
Home insulators.....	1.625	1.500	8.3	Brush.....	\$2.000	\$1.875	6.7
Boilermakers.....	2.150	2.000	7.5	Spray, structural steel erected, swinging stage.....	2.250	2.125	5.9
Bricklayers.....	2.500	2.250	11.1	Paperhangers.....	2.000	1.875	6.7
Carpenters.....	2.125	1.875	13.3	Plasterers.....	2.500	2.125	17.6
Cement finishers.....	2.125	1.875	13.3	Plumbers and gas fitters.....	2.375	2.125	11.8
Electricians (inside wiremen).....	2.125	2.000	6.3	Roofers:			
Elevator constructors.....	2.100	1.875	12.0	Composition.....	1.750	1.625	7.7
Engineers—Power equipment operators:				Slate and tile.....	2.000	1.725	15.0
Air compressors:				Sheet-metal workers.....	2.250	2.000	12.5
Bulldozers.....	2.000	2.000	—	Sign painters.....	2.000	1.750	14.3
Carryalls.....	2.000	2.000	—	Steam fitters.....	2.375	2.125	11.8
Cranes, derricks, and draglines.....	2.000	2.000	—	Stonemasons.....	2.500	2.250	11.1
Hoists:				Structural and ornamental-iron workers.....	2.250	2.000	12.5
1 drum.....	1.750	1.750	—	Buckers-up.....	2.375	2.125	11.8
2 or more drums.....	2.000	2.000	—	Rodmen.....	2.000	1.750	14.3
Mixers:				Sheeters.....	2.500	2.250	11.1
Less than 14 cubic feet.....	1.750	1.750	—	Tile layers.....	2.125	2.000	6.3
14 cubic feet and over.....	2.000	2.000	—				
Pumps:				<i>Helpers and laborers</i>			
1 pump.....	1.500	1.500	—	Boilermakers' helpers.....	1.900	1.750	8.6
2 or more pumps.....	1.750	1.750	—	Bricklayers' tenders.....	1.225	1.100	11.4
Rollers.....	1.750	1.750	—	Mortar mixers and hod carriers.....	1.275	1.150	10.9
Shovels.....	2.000	2.000	—	Building laborers.....	1.075	.950	13.2
Tractors.....	2.000	2.000	—	Elevator constructors' helpers.....	1.470	1.330	10.5
Glaziers.....	1.750	1.625	7.7	Marble setters' helpers.....	1.125	1.125	—
Lathers.....	2.500	2.125	17.6	Plasterers' laborers.....	1.275	1.150	10.9
Marble setters.....	2.125	2.000	6.3	Terrazzo workers' helpers.....	1.125	1.125	—
Mosaic and terrazzo workers.....	2.125	2.000	6.3	Tile layers' helpers.....	1.125	1.125	—

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## DAYTON, OHIO

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$2.000	.....	Marble setters.....	\$2.250	\$2.000	12.5
Boilermakers.....	2.175	2.000	8.8	Mosaic and terrazzo workers.....	2.250	2.000	12.5
Bricklayers.....	2.325	2.325	.....	Painters.....	2.025	1.850	9.5
Carpenters.....	2.150	1.975	8.9	Swing and scaffold.....	2.125	1.950	14.9
Millwrights.....	2.150	1.975	8.9	Spray.....	2.400	2.225	7.9
Parquetry floor layers.....	2.150	1.975	8.9	Structural steel, iron and bridge.....	2.275	2.100	8.3
Wharf and bridge.....	2.150	1.975	8.9	Paperhangers.....	2.275	2.100	8.3
Cement finishers.....	1.980	1.805	9.7	Plasterers.....	2.300	2.125	8.2
Electricians (inside wiremen) and fixture hangers.....	2.500	2.325	7.5	Plumbers and gas fitters.....	2.260	2.100	7.6
Elevator constructors.....	2.390	1.915	24.8	Roofers:			
Engineers—Power equipment operators:				Composition.....	1.950	1.775	9.9
Air compressors:				Foremen.....	2.050	1.875	9.3
On building construction.....	2.025	1.850	9.5	Slate and tile.....	2.150	1.975	8.9
Steel erection.....	2.400	2.225	7.9	Sheet-metal workers.....	2.150	1.975	8.9
Plant operation.....	2.150	1.975	8.9	Sign painters.....	2.200	2.050	7.3
Bulldozers.....	2.150	1.975	8.9	Steam fitters.....	2.260	2.100	7.6
Cranes, derricks, and draglines.....	2.400	2.225	7.9	Stonemasons.....	2.325	2.325	.....
Graders.....	2.150	1.975	8.9	Structural-iron workers:			
Hoists (hoisting engines).....	2.150	1.975	8.9	Finishers.....	2.300	2.125	8.2
Mixers:				Rodmen.....	2.150	1.975	8.9
Concrete, with capacity of more than 1 bag, or 1 bag capacity with side loaders.....	2.025	1.850	9.5	Machinery movers and riggers.....	2.300	2.125	8.2
Paving 27E and over (single drum).....	2.150	1.975	8.9	Tile layers.....	2.250	2.000	12.5
Paving (double drum).....	2.400	2.225	7.9				
Pumps (over 4-inch capacity discharge).....	2.025	1.850	9.5	<i>Helpers and laborers</i>			
Rollers:				Bricklayers' tenders and hod carriers.....	1.650	1.475	11.9
Asphalt.....	2.025	1.850	9.5	Building laborers.....	1.400	1.225	14.3
Brick, grade and macadam.....	1.825	1.650	10.6	Elevator constructors' helpers.....	1.670	1.340	24.6
Scrapers and power scoops.....	2.150	1.975	8.9	Marble setters' helpers.....	1.450	1.250	16.0
Shovels.....	2.400	2.225	7.9	Plasterers' laborers.....	1.650	1.475	11.9
Tractors (pulling sheepfoot rollers or grader).....	1.825	1.650	10.6	Plumbers' laborers.....	1.400	1.225	14.3
Trenching machines.....	2.150	1.975	8.9	Terrazzo workers' helpers.....	1.450	1.250	16.0
Glaziers.....	2.075	1.750	18.6	Base grinders.....	1.950	1.650	18.2
Lathers.....	2.300	2.125	8.2	Tile layers' helpers.....	1.450	1.250	16.0
Machinists.....	2.000	2.000	.....				

## DENVER, COLO.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.150	\$1.925	11.7	Mosaic and terrazzo workers.....	\$2.250	\$2.150	4.7
Boilermakers.....	2.150	1.950	10.3	Painters.....	1.925	1.750	10.0
Bricklayers.....	2.250	2.250	.....	Paperhangers.....	1.925	1.750	10.0
Sewer work.....	2.500	2.250	11.1	Plasterers.....	2.250	2.250	.....
Carpenters.....	2.100	1.875	12.0	Plumbers and gas fitters.....	2.240	2.050	9.3
Cement finishers.....	2.250	2.000	12.5	Roofers:			
Composition floor layers.....	2.500	2.125	17.6	Composition.....	2.100	1.875	12.0
Electricians (inside wiremen).....	2.250	2.050	9.8	Foremen.....	2.225	2.000	11.3
Elevator constructors.....	2.220	2.080	6.7	Slate and tile.....	2.100	1.875	12.0
Engineers—Power equipment operators:				Sheet-metal workers.....	2.000	1.875	6.7
Air compressors.....	2.000	1.850	8.1	Sign painters.....	2.125	2.000	6.3
Bulldozers.....	2.000	1.850	8.1	Steam fitters.....	2.240	2.050	9.3
Cranes, derricks, and draglines.....	2.150	2.000	7.5	Stonemasons.....	2.000	1.750	14.3
Hoists:				Stonemasons.....	2.250	2.250	.....
1 drum.....	2.000	1.850	8.1	Structural-iron workers.....	2.000	1.875	6.7
2 or more drums.....	2.150	2.000	7.5	Rodmen.....	2.000	1.875	6.7
Mixers:				Welders.....	2.250	2.150	4.7
Under 1 cubic yard.....	2.000	1.850	8.1	Tile layers.....	2.250	2.150	4.7
1 cubic yard or over.....	2.150	2.000	7.5				
Pumps.....	2.000	1.850	8.1	<i>Helpers and laborers</i>			
Rollers.....	2.000	1.850	8.1	Bricklayers' tenders.....	1.750	1.525	14.8
Scrapers.....	2.000	1.850	8.1	Building laborers.....	1.400	1.275	9.8
Shovels.....	2.150	2.000	7.5	Elevator constructors' helpers.....	1.500	1.460	6.2
Tractors.....	2.000	1.850	8.1	Marble setters' helpers.....	1.425	1.425	.....
Glaziers.....	1.890	1.695	11.5	Plasterers' laborers.....	1.750	1.525	14.8
Inside men.....	1.720	1.545	11.3	Plumbers' laborers.....	1.600	1.450	10.3
Granite cutters.....	1.775	1.713	3.6	Pipe layers, over 6 inches.....	1.850	1.700	8.8
Machinemen.....	1.713	1.713	.....	Terrazzo workers' helpers.....	1.425	1.350	5.6
Lathers.....	2.250	2.250	.....	Tile layers' helpers.....	1.425	1.425	.....
Machinists.....	2.000	1.875	6.7				
Marble setters.....	2.250	2.150	4.7				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## DES MOINES, IOWA

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.750	14.3	Lathers.....	\$2.200	\$2.000	10.0
Bricklayers.....	2.625	2.125	23.5	Marble setters.....	2.000	1.625	23.1
Carpenters.....	2.000	1.800	11.1	Mosaic and terrazzo workers.....	2.000	1.625	23.1
Millwrights.....	2.000	1.800	11.1	Painters.....	1.750	1.625	7.7
Parquetry floor layers.....	2.000	1.800	11.1	Spray.....	2.000	1.875	6.7
Wharf and bridge.....	2.000	1.800	11.1	Paperhangers.....	1.750	1.625	7.7
Cement finishers.....	2.000	1.800	11.1	Plasterers.....	2.250	1.970	14.2
Electricians (inside wiremen).....	2.150	2.000	7.5	Plumbers and gas fitters.....	2.250	2.000	12.5
Elevator constructors.....	2.280	2.000	14.0	Roofers:			
Engineers—Power equipment operators:				Composition.....	1.500	1.300	15.4
Air compressors.....	1.925	1.700	13.2	Slate and tile.....	1.500	1.300	15.4
Bulldozers.....	1.925	1.700	13.2	Sheet-metal workers.....	2.000	1.825	9.6
Cranes, derricks, and draglines.....	2.100	1.900	10.5	Sign painters.....	1.750	1.625	7.7
Graders.....	2.100	1.900	10.5	Steam fitters.....	2.250	2.000	12.5
Hoists:				Structural-iron workers.....	2.125	1.925	10.4
1 drum.....	1.925	1.700	13.2	Rodmen.....	2.125	1.925	10.4
2 drums.....	2.100	1.900	10.5	Tile layers.....	2.000	1.625	23.1
LeTourneau.....	2.100	1.900	10.5				
Mixers:				<i>Helpers and laborers</i>			
Under 2 bags.....	1.925	1.700	13.2	Bricklayers' tenders.....	1.400	1.200	16.7
Paving type.....	2.100	1.900	10.5	Mortar mixers.....	1.500	1.300	15.4
Pumps.....	1.925	1.700	13.2	Building laborers.....	1.400	1.200	16.7
Rollers.....	1.925	1.700	13.2	Elevator constructors' helpers.....	1.600	1.400	14.3
Scrapers.....	1.925	1.700	13.2	Marble setters' helpers.....	1.400	1.200	16.7
Shovels.....	2.100	1.900	10.5	Plasterers' laborers.....	1.525	1.325	15.1
Travels.....	1.925	1.700	13.2	Terrazzo workers' helpers.....	1.400	1.200	16.7
Trenching machines.....	2.100	1.900	10.5	Tile layers' helpers.....	1.400	1.200	16.7
Glaziers.....	1.650	1.500	10.0				

## DETROIT, MICH.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.400	\$2.150	11.6	Roofers—Continued			
Home insulators.....	1.925	1.750	10.0	Slaters.....	\$2.625	\$2.350	11.7
Boilermakers.....	2.350	2.125	10.6	Precast tile.....	2.275	2.000	13.8
Bricklayers.....	2.500	2.250	11.1	Sheet-metal workers:			
Carpenters.....	2.200	2.025	8.6	Agreement A.....	2.275	2.000	13.8
Cement finishers.....	2.050	1.875	9.3	Agreement B.....	2.200	2.025	8.6
Electricians (inside wiremen).....	2.400	2.250	6.7	Sign painters.....	2.250	2.100	7.1
Elevator constructors.....	2.250	2.000	12.5	Sign hangers.....	2.050	1.900	7.9
Engineers—Power equipment operators:				Steam fitters.....	2.400	2.165	10.9
Air compressors:				Sprinkler fitters.....	2.400	1.750	37.1
Concrete.....	1.950	1.750	11.4	Stonemasons.....	2.500	2.250	11.1
Steel.....	2.400	2.250	6.7	Structural-iron workers.....	2.400	2.000	20.0
Cranes and shovels.....	2.200	2.000	10.0	Rodmen and riggers.....	2.075	1.900	9.2
Road construction.....	2.150	2.000	7.5	Tile layers.....	2.275	2.125	7.1
Steel erection.....	2.400	2.250	6.7				
Glaziers, outside.....	1.900	1.750	8.6	<i>Helpers and laborers</i>			
Lathers.....	2.600	2.250	15.6	Bricklayers' tenders.....	1.575	1.425	10.5
Residential.....	2.500	2.250	11.1	Mortar mixers.....	1.650	1.500	10.0
Machinists (machine erectors).....	2.520	2.250	12.0	Building laborers.....	1.575	1.425	10.5
Marble setters.....	2.400	2.250	6.7	Elevator constructors' helpers.....	1.575	1.400	12.5
Mosaic and terrazzo workers.....	2.275	2.125	7.1	Marble setters' helpers.....	1.800	1.650	9.1
Painters.....	2.100	1.950	7.7	Marble polishers and rubbers.....	1.900	1.750	8.6
Spray and swing stage.....	2.350	2.200	6.8	Plasterers' laborers.....	1.900	1.750	8.6
Paperhangers.....	2.100	1.950	7.7	Plasterers' tenders.....	2.000	1.750	14.3
Plasterers.....	2.500	2.250	11.1	Sign painters:			
Plumbers and gas fitters.....	2.400	2.165	10.9	Helpers and billboard erectors.....	1.900	1.750	8.6
Roofers:				Sprinkler fitters' helpers.....	1.350	1.100	22.7
Composition.....	2.275	2.000	13.8	Terrazzo workers' helpers.....	1.875	1.725	8.7
Foremen.....	2.575	2.300	12.0	Base-machine operators and dry grinders.....	2.150	2.000	7.5
Slate and tile:				Tile layers' helpers.....	1.800	1.650	9.1
Foremen.....	2.575	2.300	12.0				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## DULUTH, MINN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.850	(*)	.....	Glaziers.....	\$1.500	\$1.350	11.1
Boilermakers.....	2.150	\$2.000	7.5	Lathers.....	1.900	1.900	.....
Bricklayers.....	2.050	1.900	7.9	Marble setters.....	1.900	1.750	8.6
Carpenters.....	1.800	1.650	9.1	Painters.....	1.700	1.550	9.7
Millwrights.....	1.800	1.650	9.1	Structural steel.....	1.900	1.750	8.6
File drivers.....	1.800	1.650	9.1	Paperhangers.....	1.700	1.550	9.7
Floor Sanders (machine).....	1.800	1.650	9.1	Plasterers.....	2.250	1.900	18.4
Cement finishers.....	1.675	1.525	9.8	Plumbers and gas fitters.....	2.000	1.750	14.3
Electricians (inside wiremen).....	2.100	1.875	12.0	Roofers:			
Elevator constructors.....	1.865	1.655	12.6	Second roofer.....	1.550	1.400	10.7
Engineers—Power equipment operators:				Head roofer.....	1.750	1.600	9.4
Air compressors.....	1.700	1.550	9.7	Sheet-metal workers.....	1.950	1.750	11.4
Bulldozers.....	2.000	1.850	8.1	Sign painters.....	1.925	1.800	6.9
Cranes, derricks, and draglines.....	2.200	2.000	10.0	Steam fitters.....	2.000	1.750	14.3
Graders.....	1.800	1.650	9.1	Stonemasons.....	2.050	1.900	7.9
Hoists.....	2.000	1.850	8.1	Structural-iron workers.....	2.050	1.900	7.9
Mixers, road.....	2.000	1.850	8.1	Finishers.....	2.050	2.000	2.5
14S and under.....	1.800	1.650	9.1	Rodmen.....	1.800	1.650	9.1
Over 14S.....	2.000	1.850	8.1	Tile layers.....	1.900	1.750	8.6
Pumps.....	1.700	1.550	9.7				
Rollers (under 8 tons).....	1.800	1.650	9.1	<i>Helpers and laborers</i>			
Shovels.....	2.200	2.000	10.0	Bricklayers' tenders.....	1.400	1.250	12.0
Tractors.....	2.000	1.850	8.1	Building laborers.....	1.800	1.150	13.0
50 horsepower or less without power take-off.....	1.500	1.350	11.1	Semiskilled helpers.....	1.400	1.250	12.0
Over 50 horsepower without power take-off.....	2.000	1.850	8.1	Composition roofers' helpers.....	1.400	1.250	12.1
50 horsepower or less with power take-off.....	1.800	1.650	9.1	Elevator constructors' helpers.....	1.310	1.160	12.9
Trenching machines.....	2.000	1.850	8.1	Plasterers' laborers.....	1.850	1.600	23.3
				Plumbers' laborers.....	1.400	1.250	12.0

\* Not available.

## EL PASO, TEX.

Classification	Rate per hour— July 1, 1948	Rate per hour— July 1, 1947	Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour— July 1, 1948	Rate per hour— July 1, 1947	Percent change July 1, 1947, to July 1, 1948
Asbestos workers.....	\$1.875	\$1.750	7.1	Engineers—Power equipment operators—Con.			
Bricklayers.....	2.250	2.000	12.5	Tractors—Continued			
Carpenters.....	1.875	1.625	15.4	Over 35 horsepower and with power attachments.....	\$1.900	\$1.700	11.8
Cement finishers.....	2.000	1.625	24.1	Trenching machines.....	1.900	1.700	11.8
Electricians (inside wiremen).....	2.000	2.000	.....	Glaziers.....	1.750	1.625	7.7
Elevator constructors.....	1.975	(*)	.....	Lathers.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Marble setters.....	2.250	2.000	12.5
Air compressors.....	1.900	1.700	11.8	Mosaic and terrazzo workers.....	2.250	2.000	12.5
Bulldozers.....	1.900	1.700	11.8	Painters.....	1.750	1.625	7.7
Cranes, derricks, and draglines:				Spray.....	2.500	1.875	33.2
Under 3 yards.....	2.000	1.825	9.6	Structural steel after erection.....	2.125	1.875	13.2
3 yards and over.....	2.250	2.000	12.5	Swing stage.....	2.125	1.750	21.4
Graders, elevating.....	1.900	1.700	11.8	Paperhangers.....	1.750	1.625	7.7
Hoists:				Plasterers.....	2.250	2.000	12.5
1 drum.....	1.900	1.700	11.8	Plumbers and gas fitters.....	2.250	2.000	12.5
2 drums.....	2.000	1.825	9.6	Sheet-metal workers.....	2.000	1.750	14.3
Locomotive.....	1.900	1.700	11.8	Sign painters.....	1.750	1.750	.....
Mixers:				Steam fitters.....	2.250	2.000	12.5
Under 1 yard.....	1.900	1.700	11.8	Stonemasons.....	2.250	2.000	12.5
1 yard and over.....	2.000	1.825	9.6	Structural and ornamental-iron workers.....	2.000	1.750	14.3
Pumps.....	1.900	1.700	11.8	Rodmen.....	1.750	1.600	16.7
Rollers.....	1.900	1.700	11.8	Tile layers.....	2.250	2.000	12.5
Scrapers.....	1.900	1.700	11.8				
Shovels:				<i>Helpers and laborers</i>			
Under 3 yards.....	2.000	1.825	9.6	Bricklayers' tenders.....	1.250	(*)	.....
3 yards and over.....	2.250	2.000	12.5	Hod carriers and mortar mixers.....	1.500	(*)	.....
Tournapulls.....	2.050	1.825	12.3	Building laborers.....	.800	(*)	.....
Tractors:				Elevator constructors' helpers.....	1.380	(*)	.....
35 horsepower and under and without power attachments.....	1.400	1.200	16.7	Plasterers' laborers.....	1.500	(*)	.....

\* Not available.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## ERIE, PA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.300	\$2.125	8.2	Painters.....	\$1.800	\$1.600	12.5
Carpenters, millwrights, floor layers.....	2.000	1.750	14.3	Swing, structural iron.....	1.900	1.700	11.8
Cement finishers.....	1.950	1.800	8.3	Spray.....	2.150	1.950	10.3
Electricians (inside wiremen).....	2.000	1.750	14.3	Paperhangers.....	1.800	1.600	12.5
Elevator constructors.....	1.955	1.955	—	Plasterers.....	2.000	2.000	—
Engineers—Power equipment operators:				Plumbers.....	2.150	1.900	13.2
Air compressors, 220 cubic feet or over.....	2.150	1.650	30.3	Roofers:			
Bulldozers.....	2.300	1.800	27.8	Composition.....	1.750	1.550	12.9
Cranes, derricks, and draglines.....	2.600	2.100	23.8	Slate and tile.....	1.750	1.550	12.9
Grades, power.....	2.300	1.800	27.8	Sheet-metal workers.....	1.750	1.550	12.9
Hoists:				Steam fitters.....	2.150	1.900	13.2
1 drum.....	2.150	1.650	30.3	Stonemasons.....	2.300	2.125	8.2
2 drums.....	2.600	2.100	23.8	Structural-iron workers.....	2.125	2.000	6.3
Mixers:				Rodmen.....	2.125	1.850	14.9
Less than 1 yard.....	2.150	1.650	30.3	Tile layers.....	2.150	1.900	13.2
Paving.....	2.600	2.100	23.8				
Pumps.....	2.150	1.650	30.3	<i>Helpers and laborers</i>			
Rollers:				Bricklayers' tenders:			
On grade.....	2.150	1.650	30.3	Using hod.....	1.575	1.375	14.5
On finish.....	2.300	1.800	27.8	Using wheelbarrow.....	1.475	1.275	15.7
Scrapers.....	2.400	1.900	17.1	Building laborers.....	1.375	1.175	17.0
Shovels.....	2.600	2.100	23.8	Elevator constructors' helpers.....	1.370	1.370	—
Tractors.....	2.400	1.900	17.1	Marble setters' helpers.....	1.550	1.300	19.2
Trenching machines.....	2.400	1.900	17.1	Plasterers' laborers.....	1.575	1.375	14.5
Glaziers.....	1.600	1.500	6.7	Plumbers' laborers.....	1.475	1.275	15.7
Lathers.....	2.250	2.250	—	Terrazzo workers' helpers.....	1.550	1.300	19.2
Marble setters.....	2.150	1.900	13.2	Tile layers' helpers.....	1.550	1.300	19.2
Mosaic and terrazzo workers.....	2.150	1.900	13.2				

## GRAND RAPIDS, MICH.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Roofers:			
Bricklayers.....	2.500	2.125	17.6	Composition.....	\$1.700	\$1.450	17.2
Carpenters.....	2.000	1.800	11.1	Foremen.....	1.950	1.700	14.7
Millwrights.....	2.000	1.800	11.1	Sheet-metal workers.....	1.900	1.700	11.8
Cement finishers.....	1.900	1.750	8.6	Sign painters.....	2.000	1.500	33.3
Electricians (inside wiremen).....	2.250	2.000	12.5	Steam fitters.....	2.250	2.000	12.5
Elevator constructors.....	2.105	1.955	7.7	Stonemasons.....	2.000	1.875	6.7
Engineers—Power equipment operators:				Structural-iron workers.....	2.150	1.900	13.2
Air compressor operators:				Rodmen.....	1.900	1.750	8.6
Concrete.....	1.950	1.750	11.4	Machine removers and riggers.....	2.000	1.900	5.3
Steel.....	2.400	2.150	11.6	Tile layers.....	2.000	1.875	6.7
Building construction P & H.....	2.200	2.000	10.0				
Road construction.....	2.150	2.000	7.5	<i>Helpers and laborers</i>			
Steel erection.....	2.400	2.150	11.6	Bricklayers' tenders.....	1.350	1.200	12.5
Glaziers.....	1.750	1.600	9.4	Mortar mixer.....	1.425	1.275	11.8
Lathers.....	2.250	2.000	12.5	Building laborers.....	1.350	1.200	12.5
Marble setters.....	2.000	1.875	6.7	Elevator constructors' helpers.....	1.470	1.370	7.3
Mosaic and terrazzo workers.....	2.000	1.875	6.7	Plasterers' laborers.....	1.475	1.325	11.3
Painters.....	1.875	1.450	8.6	Terrazzo workers' helpers.....	1.625	1.500	8.3
Spray and swing stage.....	1.825	1.700	7.4	Base-machine operators.....	1.825	1.700	7.4
Paperhangers.....	1.875	1.450	8.6	Tile layers' helpers.....	1.625	1.500	8.3
Plasterers.....	2.250	2.000	12.5				
Plumbers and gas fitters.....	2.250	2.000	12.5				

## HOUSTON, TEX.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$2.000	—	Engineers—Power equipment operators—Con.			
Boilermakers.....	2.125	2.000	6.3	Locomotive.....	\$2.125	\$2.000	6.3
Bricklayers.....	2.500	2.250	11.1	Mixers:			
Carpenters.....	2.000	1.875	6.7	Less than 14 cubic feet.....	1.875	1.750	7.1
Floor layers, parquet and resilient.....	2.125	1.625	30.8	14 cubic feet or over.....	2.125	2.000	6.3
Millwrights.....	2.125	1.625	30.8	Pumps, larger than 2 inches.....	1.875	1.750	7.1
Cement finishers.....	2.000	1.875	6.7	Scrapers:			
Electricians (inside wiremen).....	2.375	2.000	18.8	3 cubic yards or less.....	1.875	1.750	7.1
Elevator constructors.....	2.175	2.150	1.2	Over 3 cubic yards.....	2.125	2.000	6.3
Engineers—Power equipment operators:				Tractors.....	1.875	1.750	7.1
Air compressors.....	1.875	1.750	7.1	Trenching machines, all sizes.....	2.125	2.000	6.3
Bulldozers:				Glaziers.....	1.875	1.750	7.1
When cutting to finish grade.....	2.125	2.000	6.3	Lathers.....	2.500	2.250	11.1
Except when cutting to finish grade.....	1.875	1.750	7.1	Machinists.....	2.250	2.125	5.9
Cranes, derricks, and draglines.....	2.125	2.000	6.3	Marble setters.....	2.250	2.000	12.5
Grades, blade and elevating:				Mosaic and terrazzo workers.....	2.250	2.000	12.5
Towed.....	1.875	1.750	7.1	Painters.....	1.875	1.750	7.1
Self-propelled.....	2.125	2.000	6.3	Spray stage, steel spray stage, and steel spray			
Hoists:				swing stage.....	2.250	2.125	5.9
1 drum.....	1.875	1.750	7.1	Steel spray and steel brush, swing stage.....	2.125	2.000	6.3
2 drums or more.....	2.125	2.000	6.3				



TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## HOUSTON, TEX.—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman—Continued</i>				<i>Journeyman—Continued</i>			
Paperhangers.....	\$1.875	\$1.750	7.1	Tile layers.....	\$2.250	\$2.000	12.5
Plasterers.....	2.500	2.250	11.1	<i>Helpers and laborers</i>			
Plumbers and gas fitters.....	2.375	2.125	11.8	Boilermakers' helpers.....	1.875	1.750	7.1
Roofers:				Bricklayers' tenders.....	1.275	1.150	10.9
Composition.....	1.875	1.625	15.4	Hod carriers.....	1.375	1.150	19.6
Slate and tile.....	2.125	1.875	13.3	Building laborers.....	1.075	.950	13.2
Sheet-metal workers.....	2.375	2.125	11.8	Elevator constructors' helpers.....	1.520	1.505	1.0
Sign painters.....	2.120	2.120	.....	Marble setters' helpers.....	1.375	1.250	10.0
Steam fitters.....	2.250	2.000	12.5	Plasterers' laborers.....	1.275	1.150	10.9
Stonemasons.....	2.500	2.250	11.1	Terrazzo workers' helpers.....	1.375	1.250	10.0
Structural-iron workers.....	2.125	2.000	6.3	Tile layers' helpers.....	1.375	1.250	10.0
Rodmen.....	2.000	1.875	6.7				

## INDIANAPOLIS, IND.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.200	\$2.000	10.0	Marble setters.....	\$2.000	\$1.750	14.3
Boilermakers.....	2.350	2.000	17.5	Mosaic and terrazzo workers.....	2.000	1.550	29.0
Bricklayers.....	2.400	2.225	9.6	Painters.....	2.000	1.875	6.7
Carpenters.....	2.175	1.975	10.1	Paperhangers.....	2.000	1.875	6.7
Cement finishers.....	1.950	1.750	11.4	Plasterers.....	2.350	2.050	14.6
Electricians (inside wiremen).....	2.300	2.100	9.5	Plumbers and gas fitters.....	2.300	2.100	9.5
Elevator constructors.....	2.335	2.100	11.2	Roofers:			
Engineers—Power equipment operators:				Composition.....	1.680	1.550	8.4
Air compressors.....	1.550	1.350	14.8	Foremen.....	1.800	1.650	9.1
Bulldozers.....	2.200	1.800	22.2	Slate and tile.....	1.800	1.650	9.1
Cranes, derricks, and draglines (2 drum machine shovels).....	2.300	1.850	24.3	Sheet-metal workers.....	2.125	1.875	13.3
Cranes, derricks, and draglines (ditching and trenching machine).....	2.350	1.900	23.7	Sign painters.....	1.935	1.800	7.5
Graders:				Steam fitters.....	2.300	2.100	9.5
Elevating.....	2.000	1.650	33.3	Stonemasons.....	1.810	1.625	11.4
Form.....	1.850	1.500	23.3	Carvers.....	1.935	1.795	7.8
Hoists.....	2.200	1.850	18.9	Planemen.....	1.560	1.375	13.5
Mixers:				Stonemasons.....	2.400	2.225	7.9
Under 21 cubic feet.....	1.550	1.350	14.8	Structural-iron workers:			
21 cubic feet or over.....	2.150	1.750	22.9	Erectors.....	2.325	2.125	9.4
Dual drum.....	2.300	2.000	15.0	Rodmen.....	2.325	2.125	9.4
Rollers:				Finishers.....	2.325	2.125	9.4
On earth.....	1.550	1.250	24.0	Tile layers.....	2.000	1.750	14.3
On stone, blacktop or brick.....	2.200	1.800	22.2	<i>Helpers and laborers</i>			
Shovels.....	2.200	1.850	18.9	Bricklayers' tenders.....	1.575	1.400	12.5
Tractors:				Building laborers.....	1.375	1.175	17.0
30-50 horsepower.....	1.550	1.250	24.0	Concrete breakers.....	1.525	1.325	15.1
50 horsepower or over.....	1.850	1.400	32.1	Composition roofers' helpers.....	1.230	1.100	11.8
Trenching machines.....	2.200	1.800	22.2	Elevator constructors' helpers.....	1.635	1.470	11.2
Glaziers.....	2.000	1.875	6.7	Plasterers' laborers.....	1.575	1.400	12.5
Lathers (wood, wire, and metal).....	2.150	1.950	10.3	Plumbers' laborers.....	1.375	1.175	17.0
				Sewer pipe laborers.....	1.525	1.325	15.1

## JACKSON, MISS.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.250	\$2.000	12.5	Painters.....	\$1.750	\$1.500	16.7
Carpenters.....	1.750	1.500	16.7	Spray.....	2.000	1.500	33.3
Millwrights.....	1.875	(*)	.....	Structural steel.....	1.875	1.625	15.4
Cement finishers.....	2.000	1.750	14.3	Swing stage.....	2.000	2.000	.....
Electricians (inside wiremen).....	2.000	1.750	14.3	Paperhangers.....	1.750	1.500	16.7
Engineers—Power equipment operators:				Plasterers.....	2.000	2.000	.....
Air compressors.....	1.500	1.250	20.0	Plumbers and gas fitters.....	2.000	1.750	14.3
Bulldozers.....	1.750	1.500	16.7	Roofers:			
Cranes, derricks, and draglines.....	1.875	1.625	15.4	Composition.....	1.500	1.300	15.4
Graders, elevating and road.....	1.750	1.500	16.7	Slate and tile.....	1.500	1.300	15.4
Hoists.....	1.750	1.500	16.7	Sheet-metal workers.....	1.600	1.600	.....
Locomotive.....	1.750	1.625	7.7	Sign painters.....	1.900	1.500	26.7
Mixers.....	1.750	1.500	16.7	Steam fitters.....	2.000	1.750	14.3
Pumps.....	1.500	1.250	20.0	Stonemasons.....	2.250	2.000	12.5
Rollers.....	1.750	1.500	16.7	Structural and ornamental-iron workers.....	2.000	1.750	14.3
Shovels.....	1.875	1.625	15.4	Rodmen.....	1.750	1.500	16.7
Tournapulls.....	1.875	1.625	15.4	Tile layers.....	2.250	2.000	12.5
Tractors:				<i>Helpers and laborers</i>			
Without power take-off.....	1.500	1.250	20.0	Bricklayers' tenders.....	.900	.800	12.5
With power take-off.....	1.750	1.500	16.7	Building laborers.....	.800	.700	14.3
Trenching machines, large.....	1.875	1.625	15.4	Composition roofers' helpers.....	.800	.700	14.3
Other trenching machines.....	1.750	1.500	16.7	Plasterers' laborers.....	.900	.800	12.5
Glaziers.....	1.250	1.250	.....				
Lathers.....	1.750	1.500	16.7				
Marble setters.....	2.250	2.000	12.5				
Mosaic and terrazzo workers.....	2.250	2.000	12.5				

\* Not available.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## JACKSONVILLE, FLA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.880	\$1.750	7.4	Painters.....	\$1.500	\$1.375	9.1
Boilermakers.....	2.000	1.750	14.3	Spray.....	1.875	1.750	7.1
Bricklayers.....	2.000	2.000	—	Paperhangers.....	1.750	1.600	9.4
Carpenters.....	1.650	1.500	10.0	Plasterers.....	2.000	2.000	—
Millwrights.....	1.900	1.500	26.7	Plumbers and gas fitters.....	2.500	2.000	25.0
Cement finishers.....	1.500	1.375	9.1	Roofers:			
Electricians (inside wiremen).....	2.000	1.750	14.3	Composition.....	1.500	1.350	11.1
Elevator constructors.....	2.025	1.750	15.7	Slate and tile.....	1.500	1.350	11.1
Engineers—Power equipment operators:				Sheet-metal workers.....	1.650	1.550	6.5
Air compressors.....	1.375	1.250	10.0	Sign painters.....	1.875	1.750	7.1
Bulldozers.....	1.375	1.250	10.0	Steam fitters.....	2.500	2.000	25.0
Cranes, derricks, and draglines.....	1.700	1.500	13.3	Stonemasons.....	2.000	2.000	—
Graders.....	1.375	1.250	10.0	Structural and ornamental-iron workers:			
Holsts:				Rodmen.....	1.875	1.875	—
1 drum.....	1.375	1.250	10.0	Tile layers.....	1.500	1.500	—
2 drums.....	1.700	1.500	13.3		1.875	1.750	7.1
Mixers.....	1.250	1.250	—	<i>Helpers and laborers</i>			
Pumps.....	1.375	1.100	25.0	Boilermakers' helpers.....	1.750	1.500	16.7
Rollers.....	1.375	1.250	10.0	Bricklayers' tenders.....	.850	.800	6.3
Shovels.....	1.700	1.500	13.3	Mortar mixers.....	.900	.850	5.9
Tractors.....	1.675	1.250	10.0	Building laborers.....	1.750	.750	—
Glaziers.....	1.550	1.375	12.7	Elevator constructors' helpers.....	1.425	1.225	16.3
Lathers.....	2.000	2.000	—	Plasterers' laborers.....	.850	.800	6.3
Machinists.....	1.800	1.750	2.9	Plumbers' laborers.....	.850	.800	6.3
Marble setters.....	2.000	1.750	14.3	Tile layers' helpers.....	.850	.800	6.3
Mosaic and terrazzo workers.....	1.875	1.750	7.1				

## KANSAS CITY, MO.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$2.000	—	Paperhangers.....	\$2.050	\$1.825	12.3
Boilermakers.....	2.150	2.000	7.5	Plasterers.....	2.500	2.250	11.1
Bricklayers.....	2.500	2.025	23.5	Plumbers and gas fitters.....	2.125	2.125	—
Carpenters, millwrights, wharf and bridge, pile drivers.....	2.050	1.900	7.9	Roofers:			
Cement finishers.....	2.050	1.900	7.9	Composition.....	1.900	1.750	8.6
Composition.....	2.175	2.025	7.4	Foremen.....	2.050	1.900	7.9
Electricians (inside wiremen).....	2.150	2.025	6.2	Slate and tile.....	1.900	1.750	8.6
Engineers—Power equipment operators:				Sheet-metal workers.....	2.300	2.025	13.6
Air compressors.....	2.050	1.900	7.9	Residential.....	1.850	1.500	23.3
2 in tandem.....	2.275	2.125	7.1	Sign painters.....	2.375	2.250	5.6
Bulldozers.....	2.050	1.900	7.9	Steam fitters.....	2.125	2.125	—
Cranes, derricks, and draglines.....	2.275	2.125	7.1	Sprinkler fitters.....	2.125	(*)	—
Graders, elevating.....	2.050	1.900	7.9	Stonemasons.....	2.250	2.000	12.5
Holsts:				Structural-iron workers.....	2.200	2.050	7.3
1 drum.....	2.050	1.900	7.9	Finishers and ornamental.....	2.200	2.050	7.3
2 or more active drums.....	2.275	2.125	7.1	Rodmen.....	2.075	1.925	7.8
LeTourneau.....	2.050	1.900	7.9	Tile layers.....	2.225	2.000	11.3
Mixers, concrete.....	2.050	1.900	7.9	<i>Helpers and laborers</i>			
Pumps.....	2.050	1.900	7.9	Bricklayers' tenders.....	1.650	1.500	10.0
Rollers.....	2.050	1.900	7.9	Building laborers.....	1.475	1.325	11.3
Shovels.....	2.275	2.125	7.1	Marble setters' helpers.....	1.525	1.375	10.9
Tractors, 50 horsepower or less.....	1.550	1.400	10.7	Plasterers' laborers.....	1.650	1.500	10.0
Trenching machines.....	2.275	2.125	7.1	Plumbers' laborers.....	1.525	1.375	10.9
Glaziers.....	2.150	2.000	7.5	Sprinkler fitters' helpers.....	1.350	(*)	—
Lathers.....	2.200	1.950	12.8	Terrazzo workers' helpers.....	1.650	1.400	10.7
Marble setters.....	2.225	2.000	11.3	Tile layers' helpers.....	1.525	1.375	10.9
Mosaic and terrazzo workers.....	2.225	2.000	11.3				
Painters.....	2.050	1.825	12.3				

\* Not available.

## KNOXVILLE, TENN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Boilermakers.....	\$2.000	\$1.750	14.3	Engineers—Power equipment operators—Con.			
Bricklayers.....	2.250	2.000	12.5	Locomotive:			
Carpenters.....	1.900	1.650	15.2	Under 20 tons.....	\$1.550	\$1.375	12.7
Cement finishers.....	1.850	1.650	12.1	20 tons and over.....	1.750	1.500	16.7
Electricians (inside wiremen).....	2.125	1.900	11.8	Mixers (over 2 bags—not to include central plants).....	1.550	1.375	12.7
Elevator constructors.....	1.960	1.760	11.4	Pumps:			
Engineers—Power equipment operators:				1 pump.....	1.250	1.200	4.2
Air compressors:				2 and not more than 3.....	1.550	1.375	12.7
1 portable.....	1.250	1.200	4.2	Rollers.....	1.550	1.375	12.7
2 and not more than 3 portable.....	1.550	1.375	12.7	Scrapers, pans, scoops, or carry-alls (all types).....	1.750	1.500	16.7
Bulldozers.....	1.750	1.500	16.7	Shovels.....	1.950	1.800	8.3
Cranes, derricks, and draglines.....	1.950	1.800	8.3	Tournapull (machines over 20 yards).....	1.950	1.800	8.3
Graders.....	1.750	1.500	16.7	Tractors.....	1.550	1.375	12.7
Holsts:				Trenching machines.....	1.750	1.500	16.7
1 drum.....	1.550	1.375	12.7				
2 drum.....	1.750	1.500	16.7				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## KNOXVILLE, TENN.—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman—Continued</i>				<i>Journeyman—Continued</i>			
Glaziers.....	\$1.650	\$1.500	10.0	Sign painters.....	\$1.900	\$1.750	8.6
Marble setters.....	2.250	2.000	12.5	Steam fitters.....	2.250	2.000	12.5
Painters.....	1.650	1.500	10.0	Tile layers.....	2.250	2.000	12.5
Spray, structural steel, swinging stage, stacks and towers.....	1.900	1.750	8.6	<i>Helpers and laborers</i>			
Paperhangers.....	1.900	1.750	8.6	Boilermakers' helpers.....	1.750	1.500	16.7
Plasterers.....	2.250	2.000	12.5	Bricklayers' tenders.....	1.000	.900	11.1
Plumbers and gas fitters.....	2.250	2.000	12.5	Building laborers.....	.950	.850	11.8
Roofers:				Elevator constructors' helpers.....	1.370	(*)	-----
Composition.....	1.600	1.375	9.1	Plasterers' laborers.....	1.000	.900	11.1
Slate and tile.....	1.600	1.375	9.1				
Sheet-metal workers.....	2.000	1.750	14.3				

\* Not available.

## LITTLE ROCK, ARK.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.750	14.3	Engineers—Power equipment operators—Con. Trenching machines.....	\$1.750	\$1.675	4.5
Bricklayers.....	2.500	2.000	25.0	Glaziers.....	1.625	1.500	8.8
Carpenters.....	1.750	1.500	16.7	Marble setters.....	2.500	2.000	25.0
Cement finishers.....	2.000	1.750	14.3	Mosaic and terrazzo workers.....	2.500	2.000	25.0
Electricians (inside wiremen).....	1.875	1.750	7.1	Painters.....	1.625	1.500	8.8
Elevator constructors.....	1.875	1.675	11.9	Spray.....	2.375	2.250	5.6
Engineers—Power equipment operators:				Structural steel and stage.....	1.875	1.875	-----
Air compressors.....	1.500	1.375	9.1	Paperhangers.....	1.750	1.625	7.7
Air compressors in tandem.....	1.750	1.625	7.7	Plasterers.....	2.500	2.000	25.0
Bulldozers.....	1.750	1.500	16.7	Plumbers and gas fitters.....	2.000	1.875	6.7
Cranes, derricks, and draglines.....	2.000	1.750	14.3	Sheet-metal workers.....	1.500	1.375	9.1
Graders, blade and elevating.....	1.750	1.625	7.7	Sign painters.....	1.500	1.500	-----
Hoists:				Steam fitters.....	2.000	1.875	6.7
1 drum.....	1.675	1.375	21.8	Stonemasons.....	2.500	2.000	25.0
2 or more drums.....	1.750	1.625	7.7	Structural- and ornamental-iron workers.....	2.000	1.875	6.7
Locomotive.....	1.750	1.675	4.5	Rodmen.....	1.750	1.625	7.7
Mixers:				Tile layers.....	2.500	2.000	25.0
Less than 10S.....	1.500	1.375	9.1	<i>Helpers and laborers</i>			
10S or larger.....	1.750	1.625	7.7	Bricklayers' tenders.....	1.250	1.125	11.1
Pumps:				Building laborers.....	.800	.750	6.7
2 to 4 inches.....	1.500	1.375	9.1	Elevator constructors' helpers.....	1.815	1.170	12.4
5 inches or larger.....	1.675	1.500	11.7	Plumbers' laborers.....	.800	.750	6.7
Rollers.....	1.750	1.500	16.7				
Scrapers.....	1.750	1.625	7.7				
Shovels.....	2.000	1.750	14.5				

## LOS ANGELES, CALIF.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Glaziers.....	\$1.950	\$1.840	6.5
Home insulators.....	1.750	1.750	-----	Granite cutters.....	1.750	1.750	-----
Boilermakers.....	2.150	1.950	10.8	Lathers.....	* 2.250	2.250	-----
Bricklayers.....	2.625	2.375	10.5	Machinists.....	2.450	2.190	11.9
Carpenters.....	2.038	1.900	7.3	Marble setters.....	2.250	1.950	15.4
Millwrights.....	2.238	2.100	6.6	Mosaic and terrazzo workers.....	2.400	2.150	11.6
Parquetry floor layers.....	2.238	2.100	6.6	Painters.....	2.000	1.750	14.3
Wharf and bridge.....	2.163	2.025	6.8	Spray.....	2.250	2.000	12.5
Shinglers.....	2.163	2.025	6.8	Swing stage, brush.....	2.125	1.875	13.3
Cement finishers.....	2.113	1.975	7.0	Swing stage, spray.....	2.375	2.125	11.8
Composition and mastic.....	2.238	2.100	6.6	Plasterers.....	* 2.250	2.250	-----
Electricians (inside wiremen) and fixture hangers.....	2.400	2.150	11.6	Plumbers and gas fitters.....	2.500	2.250	11.1
Elevator constructors.....	2.250	2.150	4.6	Lead burners.....	2.750	2.500	10.0
Engineers—Power equipment operators:				Roofers:			
Air compressors.....	1.788	1.650	8.4	Composition.....	2.000	1.750	14.3
Bulldozers.....	2.038	1.900	7.3	Foremen.....	2.250	1.950	15.4
Cranes, derricks, and draglines.....	2.238	2.100	6.6	Slate and tile.....	2.000	1.750	14.3
Graders.....	1.913	1.775	7.8	Sheet-metal workers.....	2.150	1.940	10.8
Elevating.....	2.163	2.025	6.8	Sign painters.....	* 2.250	* 2.125	5.9
LeTourneau.....	2.163	2.025	6.8	Steam fitters.....	2.200	2.200	-----
Mixers, concrete:				Pipe fitters.....	2.200	2.200	-----
Paving type.....	2.138	2.000	6.9	Refrigeration fitters.....	2.100	1.850	13.5
Skip type.....	1.913	1.775	7.8	Sprinkler fitters.....	2.250	2.000	12.5
Pumps.....	1.788	1.650	8.4	Stonemasons.....	2.625	2.375	10.5
Rollers.....	1.988	1.850	7.5	Structural-iron workers.....	2.100	2.100	-----
Scrapers.....	2.038	1.900	7.3	Finishers.....	1.975	1.975	-----
Shovels.....	2.238	2.100	6.6	Rodmen.....	1.975	1.775	11.3
Tractors.....	2.038	1.900	7.3	Tile layers.....	2.500	2.200	13.6
Trenching machines.....	2.113	1.975	7.0				

\* 30-hour workweek.

\* 35-hour workweek.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## LOS ANGELES, CALIF.—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Helpers and laborers</i>				<i>Helpers and laborers—Continued</i>			
Boilermakers' helpers.....	\$1.850	\$1.700	8.8	Plasterers' laborers.....	\$2.200	\$1.980	12.8
Bricklayers' tenders.....	1.750	1.625	7.7	Steam fitters' helpers.....	1.450	1.450	-----
Building laborers.....	1.487	1.350	10.1	Pipe-line helpers.....	1.450	1.450	-----
Chippers.....	1.687	1.550	8.8	Sprinkler fitters' helpers.....	1.450	1.350	7.4
Concrete busters.....	1.687	1.550	8.8	Terrazzo workers' helpers.....	1.875	1.625	15.4
Jackhammer operators.....	1.687	1.550	8.8	Base-machine operators.....	2.125	1.875	13.3
Elevator constructors' helpers.....	1.570	1.500	4.7	Tile layers' helpers.....	1.850	1.600	15.6
Marble setters' helpers.....	1.650	1.500	10.0				

## LOUISVILLE, KY.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.725	15.9	Machinists.....	\$2.000	\$1.850	8.1
Boilermakers.....	2.250	2.000	12.5	Marble setters.....	2.000	1.750	14.3
Bricklayers.....	2.500	2.000	25.0	Mosaic and terrazzo workers.....	2.000	1.750	14.3
Carpenters, millwrights, parquetry floor layers, wharf and bridge and pile drivers.....	1.950	1.800	8.3	Painters.....	1.820	1.600	13.8
Cement finishers.....	1.950	1.800	8.3	Structural steel and spray.....	1.820	1.600	13.8
On scaffold.....	2.150	2.000	7.5	Paperhangers.....	1.800	1.250	20.0
Electricians (inside wiremen) and fixture hangers.....	2.125	1.925	10.4	Plasterers.....	2.250	2.100	7.1
Elevator constructors.....	2.165	1.910	13.4	Plumbers and gas fitters.....	2.100	1.950	7.7
Engineers—Power equipment operators:				Roofers:			
Air compressors:				Composition.....	1.550	1.400	10.7
Under 200 cubic feet per minute capacity.....	1.950	1.550	25.8	Slate and tile.....	1.850	1.675	10.4
200 cubic feet per minute capacity and over.....	2.150	1.750	22.9	Sheet-metal workers.....	1.950	1.700	14.7
Bulldozers.....	2.150	1.750	22.9	Sign painters.....	1.875	1.875	-----
Cranes, derricks, and draglines.....	2.150	1.750	22.9	Steam fitters.....	2.100	1.950	7.7
Graders:				Stonecutters.....	1.815	1.600	13.4
Form.....	1.950	1.550	25.8	Planermen.....	1.575	1.350	16.7
Elevating.....	2.150	1.750	22.9	Stonemasons.....	1.925	1.725	11.6
Hoists.....	2.150	1.750	22.9	Stonemasons.....	2.800	2.000	25.0
LeTourneau.....	2.150	1.750	22.9	Structural-iron workers and ornamental finishers.....	2.100	1.850	13.5
Mixers:				Rodmen.....	1.900	1.650	15.2
Under 21 cubic feet.....	1.950	1.550	25.8	Tile layers.....	2.000	1.750	14.3
21 cubic feet and over.....	2.150	1.750	22.9				
Pumps, concrete.....	2.150	1.750	22.9	<i>Helpers and laborers</i>			
Rollers:				Boilermakers' helpers.....	2.000	1.750	14.3
Earth.....	1.700	1.300	30.8	Bricklayers' tenders.....	1.500	1.350	11.1
Rock.....	1.950	1.550	25.8	Building laborers.....	1.250	1.100	13.6
Bituminous.....	2.150	1.750	22.9	Elevator constructors' helpers.....	1.515	1.335	13.5
Shovels.....	2.150	1.750	22.9	Marble setters' helpers.....	1.200	1.000	20.0
Tractors:				Plasterers' laborers.....	1.500	1.350	11.1
Under 50 horsepower.....	1.700	1.300	30.8	Plumbers' laborers.....	1.250	1.100	13.6
50 horsepower and over.....	1.950	1.550	25.8	Terrazzo workers' helpers.....	1.200	1.000	20.0
Trenching machines.....	2.150	1.750	22.9	Base grinders.....	1.400	1.250	12.0
Lathers.....	2.100	1.950	7.7	Flat grinders.....	1.250	1.000	25.0
				Tile layers' helpers.....	1.200	1.000	20.0

\*44-hour workweek.

## MANCHESTER, N. H.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.150	\$1.875	14.7	Painters.....	\$1.450	\$1.250	16.0
Carpenters.....	1.800	1.500	20.0	Paperhangers.....	1.450	1.250	16.0
Cement finishers.....	2.150	1.875	14.7	Plasterers.....	2.150	1.875	14.7
Electricians (inside wiremen).....	1.750	1.500	16.7	Plumbers.....	1.900	1.750	8.6
Engineers—Power equipment operators:				Steamfitters.....	1.900	1.750	8.6
Air compressors:				Stonemasons.....	2.150	1.875	14.7
220 cubic feet and under.....	1.350	1.150	17.4	Structural-iron workers.....	2.250	2.000	12.5
315 cubic feet and over.....	1.700	1.400	21.4	Finishers.....	2.250	2.000	12.5
Cranes, derricks, and draglines.....	2.150	1.900	13.2	Rodmen.....	2.250	2.000	12.5
Hoists.....	1.700	1.500	13.3	Tile layers.....	2.150	1.875	14.7
Mixers:							
Small.....	1.250	1.050	19.0	<i>Helpers and laborers</i>			
Road.....	1.700	1.500	13.3	Bricklayers' tenders.....	1.350	1.250	8.0
Pumps.....	1.700	1.500	13.3	Building laborers.....	1.150	1.050	9.5
Rollers:				Plasterers' laborers.....	1.350	1.250	8.0
5 tons and under.....	1.700	1.400	21.4				
Over 5 tons.....	1.700	1.400	21.4				
Shovels.....	2.150	1.900	13.2				
Tractors.....	1.700	1.500	13.3				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## MEMPHIS, TENN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.750	14.3	Engineers—Power equipment operators—Con.			
Boilermakers.....	2.000	1.750	14.3	Tractors:			
Bricklayers.....	2.500	2.250	11.1	40 horsepower or less.....	\$1.500	\$1.375	9.1
Carpenters.....	1.825	1.650	10.6	Over 40 horsepower.....	1.625	1.500	8.3
Cement finishers.....	1.825	1.650	10.6	Trenching machines.....	1.750	1.625	7.7
Machine operators.....	1.950	1.775	9.9	Glaziers.....	1.625	1.500	8.3
Electricians (inside wiremen).....	2.250	2.000	12.5	Lathers.....	2.000	1.750	14.3
Elevator constructors.....	2.360	2.050	15.1	Marble setters.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Mosaic and terrazzo workers.....	2.250	2.000	12.5
Air compressors:				Painters:			
Portable.....	1.375	1.250	10.0	Residential.....	1.750	1.625	7.7
Stationary.....	1.625	1.500	8.3	Commercial, spray, structural steel.....	1.875	1.750	7.1
Bulldozers.....	1.750	1.625	7.7	Paperhangers.....	1.750	1.625	7.7
Cranes, derricks, and draglines.....	2.000	1.875	6.7	Plasterers.....	2.813	2.250	25.0
Derricks (no boom).....	1.750	1.625	7.7	Plumbers and gas fitters.....	2.250	2.000	12.5
Graders.....	1.750	1.625	7.7	Roofers:			
Hoists:				Composition.....	1.650	1.500	10.0
1 drum.....	1.625	1.500	8.3	Slate and tile.....	1.900	1.750	8.6
2 or more drums.....	1.875	1.750	7.1	Sheet-metal workers.....	2.000	1.750	14.3
LeTourneau.....	1.750	1.625	7.7	Sign painters.....	2.000	1.750	14.3
Locomotive.....	1.750	1.625	7.7	Steam fitters.....	2.250	2.000	12.5
Mixers:				Stonemasons.....	2.600	2.250	11.1
118 or smaller.....	1.375	1.250	10.0	Structural and ornamental-iron workers.....	1.950	1.750	11.4
Larger than 118.....	1.750	1.625	7.7	Rodmen.....	1.800	1.625	10.8
Pumps, under 4-inch discharge.....	1.125	.850	32.4	Tile layers.....	2.250	2.000	12.5
Pumps on excavation, 4-inch and larger.....	1.375	1.250	10.0				
Rollers, top.....	1.750	1.625	7.7	<i>Helpers and laborers</i>			
Sheepfoot.....	1.750	1.625	7.7	Bricklayers' and stonemasons' tenders.....	1.250	1.100	13.6
Scrapers:				Building laborers.....	.875	.825	6.1
Under 12 yards.....	1.625	1.500	8.3	Elevator constructors' helpers.....	1.650	1.435	15.0
Over 12 yards.....	1.750	1.625	7.7	Plasterers' laborers.....	1.250	1.000	25.0
Shovels.....	2.000	1.875	6.7				

## MIAMI, FLA.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.500	\$2.250	11.1	Marble setters.....	\$2.500	\$2.250	11.1
Carpenters.....	2.063	1.875	10.0	Mosaic and terrazzo workers.....	2.500	2.250	11.1
Floor layers.....	2.200	2.000	10.0	Painters.....	2.063	1.875	10.0
Cement finishers.....	2.500	2.250	11.1	Spray and structural steel.....	2.200	2.000	10.0
Electricians (inside linemen).....	2.500	2.000	25.0	Paperhangers.....	2.200	2.000	10.0
Elevator constructors.....	2.250	2.200	2.3	Plasterers.....	2.500	2.250	11.1
Engineers—Power equipment operators:				Plumbers and gas fitters.....	2.500	2.250	11.1
Air compressors.....	1.750	1.500	16.7	Roofers:			
Bulldozers.....	1.500	1.250	20.0	Composition.....	1.925	1.750	10.0
Cranes, derricks, and draglines.....	2.000	1.750	14.3	Slate and tile.....	1.925	1.750	10.0
Graders.....	1.500	1.250	20.0	Sheet-metal workers.....	2.200	2.000	10.0
Hoists:				Sign painters.....	2.500	2.250	11.1
1 drum.....	2.000	1.750	14.3	Stonemasons.....	2.500	2.250	11.1
2 or more drums.....	2.250	2.000	12.5	Structural and ornamental-iron workers.....	2.500	2.250	11.1
Mixers.....	1.750	1.500	16.7	Rodmen.....	2.350	1.875	25.3
Pumps.....	1.750	1.500	16.7	Tile layers.....	2.500	2.250	11.1
Rollers.....	1.500	1.250	20.0				
Scrapers.....	1.500	1.250	20.0	<i>Helpers and laborers</i>			
Shovels.....	2.000	1.750	14.3	Bricklayers' tenders.....	1.000	1.000	-----
Tractors.....	1.500	1.250	20.0	Building laborers.....	1.000	.900	11.1
Trenching machines.....	1.500	1.250	20.0	Elevator constructors' helpers.....	1.575	1.540	2.3
Glaziers.....	2.000	1.625	23.1	Plasterers' laborers.....	1.250	1.000	25.0
Lathers.....	2.500	2.250	11.1				
Machinists.....	2.250	2.000	12.5				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## MILWAUKEE, WIS.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.200	\$1.825	20.5	Mosaic and terrazzo workers.....	\$2.200	\$1.950	12.8
Boilermakers.....	2.200	2.000	10.0	Painters.....	1.800	1.650	9.1
Bricklayers.....	2.200	2.000	10.0	Swing stage.....	1.950	1.800	8.3
Sewer-tunnel and caissons.....	2.250	2.050	9.8	Spray nozzlemen.....	1.925	1.775	8.5
Carpenters.....	2.000	1.800	11.1	Structural iron.....	2.050	1.900	7.9
Wharf and bridge.....	2.025	1.825	11.0	Plasterers.....	2.250	2.000	12.5
Millwrights.....	2.000	1.800	11.1	Plumbers and gas fitters.....	2.250	2.000	12.5
Cement finishers.....	1.950	1.750	11.4	Roofers:			
Machine work.....	2.050	1.850	10.8	Composition.....	1.900	1.700	11.8
Mastic, marbelette and composition floors and roofs.....	2.050	1.800	13.9	Slate and tile.....	2.050	1.850	10.8
Electricians (inside wiremen).....	2.000	1.850	8.1	Sheet-metal workers.....	2.000	1.850	8.1
Elevator constructors.....	2.150	1.795	19.8	Sign painters.....	2.125	2.000	6.3
Engineers—Power equipment operators:				Steam fitters.....	2.250	2.000	12.5
Air compressors.....	1.800	1.600	12.5	Sprinkler fitters.....	2.200	2.000	10.0
Bulldozers:				Stonecutters.....	1.810	1.625	11.4
40 horsepower or less.....	2.000	1.800	11.1	Stonemasons.....	2.200	2.000	10.0
Over 40 horsepower.....	2.200	2.000	10.0	Structural-iron workers.....	2.050	1.850	10.8
Cranes, derricks, and draglines.....	2.350	2.150	9.3	Rodmen.....	1.913	1.713	11.7
Hoists, 1 drum.....	2.050	1.850	10.8	Machine movers and riggers.....	2.050	1.850	10.8
Mixers, on building.....	2.000	1.800	11.1	Tile layers.....	2.150	1.900	13.2
When paver is used.....	2.200	2.000	10.0				
Pumps.....	1.750	1.550	12.9	<i>Helpers and laborers</i>			
Concrete.....	2.200	2.000	10.0	Bricklayers' tenders.....	1.650	1.450	13.8
Scrapers.....	2.200	2.000	10.0	Building laborers.....	1.550	1.350	14.8
Shovels.....	2.350	2.150	9.3	Composition roofers' helpers.....	1.250	1.000	25.0
Tractors:				Elevator constructors' helpers.....	1.505	1.255	19.9
40 horsepower or less.....	2.000	1.800	11.1	Marble setters' helpers.....	1.600	1.450	10.3
Over 40 horsepower.....	2.200	2.000	10.0	Plasterers' laborers.....	1.825	1.575	15.9
Glaziers.....	2.000	1.850	8.1	Plumbers' laborers:			
Lathers.....	2.250	2.000	12.5	First man.....	1.900	1.650	15.2
Machinists.....	2.000	1.650	21.2	Second man.....	1.800	1.550	16.1
Marble setters.....	2.100	1.900	10.5	Sprinkler fitters' helpers.....	1.500	1.350	11.1
				Tile layers' helpers.....	1.600	1.400	14.3

## MINNEAPOLIS, MINN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Paperhangers.....	\$1.950	\$1.800	8.3
Boilermakers.....	2.150	2.000	7.5	Plasterers.....	2.350	2.250	4.4
Bricklayers and blocklayers.....	2.250	2.075	8.4	Plumbers and gas fitters.....	2.250	2.000	12.5
Carpenters and millwrights.....	2.050	1.800	13.9	Roofers:			
Cement finishers.....	2.150	1.825	17.8	Composition.....	1.900	1.730	9.8
Composition floor.....	2.400	2.075	15.7	Foremen.....	2.000	1.830	9.3
Electricians (inside wiremen).....	2.210	2.060	7.3	Slate and tile.....	1.900	1.730	9.8
Elevator constructors.....	2.210	2.075	6.5	Sheet-metal workers.....	2.150	1.900	13.2
Engineers—Power equipment operators:				Sign painters.....	2.100	1.950	7.7
Air compressors.....	1.700	1.550	9.7	Steam fitters.....	2.250	2.000	12.5
Bulldozers.....	2.000	1.850	8.1	Sprinkler fitters.....	2.000	2.000	-----
Cranes, derricks, and draglines.....	2.200	2.000	10.0	Stonemasons.....	2.250	2.075	8.4
Graders.....	1.800	1.650	9.1	Structural-iron workers.....	2.175	2.000	8.8
Mixers, concrete.....	2.000	1.850	8.1	Rodmen.....	2.050	1.875	9.3
14S and under.....	1.800	1.650	9.1	Finishers.....	2.175	2.000	8.8
Over 14S.....	2.000	1.850	8.1	Tile layers.....	1.900	1.900	-----
Pumps.....	2.200	2.000	10.0				
Rollers (under 8 tons).....	1.800	1.650	9.1	<i>Helpers and laborers</i>			
Tractors:				Bricklayers' tenders.....	1.550	1.400	10.7
50 horsepower or less, without power take-off.....	1.800	1.350	11.1	Building laborers.....	1.450	1.300	11.5
50 horsepower or less, with power take-off or over 50 horsepower without.....	1.800	1.650	9.1	Composition roofers' helpers.....	1.470	1.300	13.1
Trenching machines.....	1.700	1.550	9.7	Elevator constructors' helpers.....	1.550	1.450	6.9
Glaziers.....	1.850	1.550	19.4	Marble setters' helpers.....	1.550	1.300	19.2
Lathers.....	2.350	2.250	4.4	Plasterers' laborers.....	1.950	1.850	5.4
Machinists.....	1.900	1.750	8.6	Plumbers' laborers (first 3 years).....	1.550	1.400	10.7
Marble setters.....	2.250	1.900	18.4	After 3 years.....	1.750	1.600	9.4
Mosaic and terrazzo workers.....	2.150	1.900	13.2	Sign painters' helpers.....	1.730	1.625	6.5
Painters (including fresco).....	1.950	1.800	8.3	Sprinkler fitters' helpers.....	1.350	1.350	-----
Structural steel and swing stage.....	2.100	1.950	7.7	Terrazzo workers' helpers.....	1.550	1.400	10.7
				Base-machine operators.....	1.800	1.550	16.1
				Tile layers' helpers.....	1.550	1.300	19.2

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## MOBILE, ALA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.125	\$1.875	13.3	Painters.....	\$1.800	\$1.625	10.8
Boilermakers.....	2.000	1.750	14.3	Spray.....	2.300	2.125	8.2
Bricklayers.....	2.500	2.000	25.0	Structural steel and swing stage.....	1.925	1.875	2.7
Carpenters.....	1.920	1.625	18.2	Paperhangers:			
Millwrights.....	2.170	(*)		Provided tools are furnished.....	1.800	1.625	10.8
Pile drivers and dock builders.....	2.045	1.750	16.9	Provided tools are not furnished.....	1.925	1.750	10.0
Cement finishers.....	1.920	1.750	9.7	Plasterers.....	2.000	1.750	14.3
Electricians (inside wiremen).....	2.000	1.875	6.7	Plumbers and gas fitters.....	2.250	2.000	12.5
Elevator constructors.....	1.925	1.800	6.9	Roofers:			
Engineers—Power equipment operators:				Composition.....	1.800	1.625	10.8
Air compressors.....	1.800	1.625	10.8	Slate and tile.....	1.800	1.625	10.8
Bulldozers.....	2.050	1.875	9.3	Sheet-metal workers.....	1.800	1.625	10.8
Cranes, derricks, and draglines.....	2.175	2.000	8.8	Steam fitters.....	2.250	2.000	12.5
Hoists:				Stonemasons.....	2.500	2.000	25.0
1 drum.....	2.050	1.625	26.2	Structural and ornamental-iron workers.....	2.200	2.000	10.0
2 or more drums.....	2.175	2.000	8.8	Riggers and finishers.....	2.450	2.000	22.5
Locomotive.....	2.050	(*)		Rodmen.....	1.950	1.750	11.4
Mixers:				Sheeters.....	2.450	2.250	8.9
Under 10S.....	1.800	1.625	10.8	Tile layers.....	2.500	2.000	25.0
10S or larger.....	2.050	1.875	9.3				
Pumps.....	1.800	1.625	10.8	<i>Helpers and laborers</i>			
Rollers.....	2.050	1.875	9.3	Boilermakers' helpers.....	1.750	1.500	16.7
Scrapers.....	2.050	1.875	9.3	Bricklayers' tenders.....	1.000	.900	11.1
Shovels.....	2.175	2.000	8.8	Mortar mixers.....	1.100	1.000	10.0
Tournapulls.....	2.050	1.875	9.3	Building laborers.....	1.000	.900	11.1
Tractors:				Composition roofers' helpers.....	1.000	.900	11.1
Without power control attachments.....	1.800	1.625	10.8	Elevator constructors' helpers.....	1.350	1.260	7.1
With power control attachments.....	2.050	1.625	26.2	Marble setters' helpers.....	1.000	.900	11.1
Glaziers.....	1.500	1.500		Plasterers' laborers.....	1.000	.900	11.1
Lathers.....	2.000	1.875	6.7	Tile layers' helpers.....	1.000	.900	11.1
Marble setters.....	2.500	2.000	25.0				
Mosaic and terrazzo workers.....	2.500	2.000	25.0				

\* Not available.

## NEWARK, N. J.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.500	\$2.250	11.1	Paperhangers.....	\$2.300	\$2.000	15.0
Boilermakers.....	2.750	2.500	10.0	Plasterers.....	3.150	2.750	14.5
Bricklayers.....	3.150	2.750	14.5	Plumbers.....	2.500	2.250	11.1
Carpenters.....	2.900	2.500	16.0	Roofers:			
Millwrights.....	2.900	2.500	16.0	Composition.....	2.350	2.500	14.0
Wharf and bridge.....	2.750	2.500	10.0	Foremen.....	3.100	2.750	12.7
Cement finishers.....	3.150	2.750	14.5	Slate and tile.....	3.000	2.500	20.0
Electricians (inside wiremen).....	2.750	2.500	10.0	Sheet-metal workers.....	2.750	2.500	10.0
Elevator constructors.....	2.750	2.500	10.0	Sign painters:			
Engineers—Power equipment operators:				Inside.....	1.900	1.900	
Air compressors.....	2.750	2.750		Steam fitters.....	2.500	2.250	11.1
Bulldozers.....	2.125	2.125		Sprinkler fitters.....	2.375	1.750	35.7
Cranes, derricks, and draglines.....	3.000	2.750	9.1	Stonemasons.....	3.150	2.750	14.5
Graders.....	2.750	2.500	10.0	Structural-iron workers.....	3.100	2.500	24.0
Hoists:				Rodmen.....	3.100	2.500	24.0
Steel erectors.....	3.250	2.750	18.2	Tile layers.....	2.750	2.500	10.0
Pumps.....	2.750	2.500	10.0				
Rollers.....	2.750	2.500	10.0	<i>Helpers and laborers</i>			
Scrapers.....	2.750	2.500	10.0	Bricklayers' tenders.....	2.125	1.750	21.4
Shovels.....	3.000	2.750	9.1	Building laborers.....	2.125	1.750	21.4
Tractors.....	2.750	2.500	10.0	Composition roofers' helpers.....	1.500	1.145	31.0
Trenching machines.....	3.000	2.750	9.1	Elevator constructors' helpers.....	2.035	1.850	10.0
Glaziers.....	2.250	2.000	12.5	Plasterers' laborers.....	2.125	1.750	21.4
Lathers.....	2.500	2.250	11.1	Steam fitters' helpers.....	1.625	1.500	8.3
Machinists.....	2.400	2.400		Sprinkler fitters' helpers.....	1.500	1.100	36.4
Mosaic and terrazzo workers.....	2.750	2.500	10.0	Terrazzo workers' helpers.....	2.200	1.900	15.8
Painters.....	2.300	1.900	21.1	Tile layers' helpers.....	2.200	1.900	15.8
Hardwood finishers.....	1.825	1.825					
Structural steel.....	2.500	2.000	25.0				

† 35-hour workweek.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## NEW HAVEN, CONN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$1.925	16.9	Roofers:			
Bricklayers.....	2.400	2.150	11.6	Composition.....	\$2.250	\$1.750	28.6
Carpenters.....	2.100	1.875	12.0	Foremen.....	2.500	2.000	25.0
Cement finishers.....	2.400	2.150	11.6	Slate and tile.....	2.500	2.125	17.6
Electricians (inside wiremen).....	2.000	1.875	6.7	Sheet-metal workers.....	2.000	2.000	-----
Elevator constructors.....	2.410	2.210	9.0	Sign painters.....	2.000	1.800	11.1
Engineers—Power equipment operators:				Steamfitters.....	2.250	1.900	18.4
Air compressors.....	1.825	1.825	-----	Stonemasons.....	2.400	2.150	11.6
Bulldozers.....	1.700	1.650	3.0	Structural-iron workers.....	2.500	2.250	11.1
Cranes, derricks, and draglines.....	2.100	2.000	5.0	Finishers.....	2.500	2.250	11.1
Graders.....	1.825	1.825	-----	Rodmen.....	2.500	2.250	11.1
Hoists.....	2.100	1.925	9.1	Tile layers.....	2.400	2.150	11.6
Mixers.....	1.825	1.825	-----				
Pumps.....	1.825	1.825	-----	<i>Helpers and laborers</i>			
Rollers.....	1.825	1.825	-----	Bricklayers' tenders.....	1.550	1.350	14.8
Shovels.....	2.100	2.000	5.0	Building laborers.....	1.550	1.350	14.8
Tractors.....	1.700	1.650	3.0	Elevator constructors' helpers.....	1.690	1.560	8.3
Marble setters.....	2.400	2.150	11.6	Marble setters' helpers.....	1.650	1.375	20.0
Mosaic and terrazzo workers.....	2.400	2.180	11.6	Plasterers' laborers.....	1.550	1.350	14.8
Painters.....	2.000	1.800	11.1	Terrazzo workers' helpers.....	1.650	1.375	20.0
Paperhangers.....	2.000	1.800	11.1	Tile layers' helpers.....	1.650	1.375	20.0
Plasterers.....	2.400	2.150	11.6				
Plumbers.....	2.250	1.900	18.4				

## NEW ORLEANS, LA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.875	6.7	Painters.....	\$1.625	\$1.500	8.3
Home insulators.....	1.825	1.450	12.1	Spray, structural steel and swing stage.....	1.875	1.750	7.1
Boilermakers.....	2.000	2.000	-----	Paperhangers.....	1.625	1.500	8.3
Bricklayers.....	2.050	1.938	5.8	Plasterers.....	2.000	1.875	6.7
Carpenters.....	1.750	1.625	7.7	Plumbers and gas fitters.....	2.250	2.050	9.8
Millwrights.....	1.875	1.750	7.1	Roofers:			
Cement finishers.....	1.750	1.625	7.7	Composition.....	1.625	1.450	12.1
Electricians (inside wiremen).....	2.000	2.000	-----	Slate and tile.....	1.625	1.450	12.1
Elevator constructors.....	2.000	1.790	11.7	Sheet-metal workers.....	1.875	1.600	17.2
Engineers—Power equipment operators:				Sign painters.....	2.000	1.950	2.6
Air compressors.....	1.625	1.625	-----	Steam fitters.....	2.250	2.050	9.8
Bulldozers.....	1.625	1.625	-----	Stonemasons.....	2.050	1.938	5.8
Cranes, derricks, and draglines.....	1.875	1.875	-----	Structural- and ornamental-iron workers.....	2.000	1.875	6.7
Graders, blade.....	1.625	1.625	-----	Rodmen.....	1.700	1.625	4.6
Hoists:				Tile layers.....	2.000	1.750	14.3
1 drum, under 4 stories.....	1.625	1.625	-----				
1 drum, 4 stories and over.....	1.875	1.875	-----	<i>Helpers and laborers</i>			
2 drums.....	1.875	1.875	-----	Boilermakers' helpers.....	1.750	1.750	-----
Mixers:				Bricklayers' tenders.....	1.025	1.000	2.5
Paving.....	1.875	1.875	-----	When mortar is mixed by machine.....	1.125	1.100	2.3
16S and smaller.....	1.625	1.625	-----	Building laborers.....	.925	.900	2.8
Pumps, over 3 inches.....	1.625	1.625	-----	Composition roofers' helpers.....	.950	.900	5.6
Rollers:				Elevator constructors' helpers.....	1.400	1.250	12.0
Brick and asphalt.....	1.875	1.875	-----	Marble setters' helpers.....	1.000	.900	11.1
Except brick and asphalt.....	1.625	1.625	-----	Plasterers' laborers.....	1.125	1.100	2.3
Scrapers.....	1.625	1.625	-----	When mortar is mixed by machine.....	1.225	1.200	2.1
Shovels.....	1.875	1.875	-----	Plumbers' laborers.....	1.050	.950	10.5
Trenching machines.....	1.875	1.875	-----	Terrazzo workers' helpers.....	1.000	.900	11.1
Glaziers.....	1.625	1.500	8.3	Tile layers' helpers.....	1.000	.900	11.1
Lathers.....	2.000	2.000	-----				
Marble setters.....	2.050	1.938	5.8				
Mosaic and terrazzo workers.....	2.000	1.750	14.3				



TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## NEW YORK, N. Y.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.750	\$2.300	19.6	Paperhangers.....	\$2.300	\$2.000	15.0
Boilermakers.....	2.750	2.500	10.0	Plasterers.....	3.000	3.000	-----
Bricklayers.....	3.200	2.750	16.4	Plumbers and gas fitters:			
Carpenters.....	2.750	2.500	10.0	Richmond.....	\$2.857	\$2.857	-----
Wharf and bridge.....	2.750	2.500	10.0	Manhattan and Bronx.....	3.000	2.600	20.0
Cement finishers.....	2.750	2.300	19.6	Brooklyn and Queens.....	2.813	2.813	-----
Electricians (inside wiremen).....	2.500	2.250	11.1	Roofers:			
Elevator constructors.....	2.750	2.500	10.0	Composition.....	2.750	2.500	10.0
Engineers—Power equipment operators:				Foremen.....	3.000	2.750	9.1
Air compressors.....	2.750	2.500	10.0	Slate and tile.....	2.750	2.500	10.0
Portable.....	2.500	2.250	11.1	Sheet-metal workers.....	2.750	2.300	19.6
Cranes, derricks, and draglines.....	3.125	2.875	8.7	Sign painters.....	2.525	2.290	10.3
Steel derricks.....	3.250	3.000	8.3	Outdoor advertising.....	3.220	3.070	4.9
Graders.....	3.125	2.875	8.7	Steam and sprinkler fitters.....	2.750	2.300	19.6
Holsts.....	2.750	2.500	10.0	Stonecutters.....	2.750	2.429	13.2
Mixers.....	2.500	2.250	11.1	Stonemasons.....	3.200	2.500	28.0
Pumps.....	2.500	2.250	11.1	Stonesetters:			
Concrete.....	2.750	2.500	10.0	New York City.....	3.200	2.750	16.4
Rollers.....	2.625	2.375	10.5	Long Island.....	3.000	2.750	9.1
Scrapers.....	2.750	2.500	10.0	Structural-iron workers.....	3.000	2.500	20.0
Shovels.....	3.125	2.875	8.7	Finishers.....	2.750	2.500	10.0
Trenching machines.....	3.125	2.875	8.7	Rodmen.....	2.750	2.300	19.6
Glaziers.....	2.750	2.500	10.0	Tile layers.....	2.750	2.500	10.0
Granite cutters:				<i>Helpers and laborers</i>			
Outside.....	2.571	2.429	5.8	Bricklayers' tenders.....	1.950	1.780	9.6
Inside.....	2.286	2.143	6.7	Building laborers.....	1.950	1.500	30.0
Surface machines and sandblasters.....	2.357	2.214	6.5	Excavating.....	1.700	1.500	13.3
Lathers.....	2.750	2.500	10.0	Concrete workers.....	1.950	1.780	9.6
Bronx, Manhattan, and Richmond.....	3.000	3.000	-----	Elevator constructors' helpers.....	2.035	1.850	10.0
Queens, Nassau, and Suffolk.....	2.857	2.545	12.3	Plasterers' laborers.....	2.100	2.100	-----
Wood, wire, and metal.....	2.750	2.300	19.6	Brooklyn.....	2.400	2.050	17.1
Machinists.....	2.500	2.500	-----	Plumbers' laborers.....	1.500	1.500	-----
Marble setters.....	2.750	2.500	10.0	Terrazzo workers' helpers.....	2.200	1.900	15.8
Mosaic and terrazzo workers.....	2.750	2.500	10.0	Tile layers' helpers.....	2.200	2.000	10.0
Painters.....	2.300	2.000	15.0				
Decorators and grainers.....	3.000	2.500	20.0				
Structural steel.....	2.550	2.250	13.3				
Swing stage.....	2.630	2.286	15.0				

\* 30-hour workweek.

\* 35-hour workweek.

## NORFOLK, VA.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.875	\$1.750	7.1	Engineers—Power equipment operators—Con.			
Bricklayers.....	2.500	2.000	25.0	Tractors:			
Carpenters.....	1.750	1.500	16.7	Without attachments.....	\$1.625	\$1.625	-----
Millwrights.....	2.100	1.850	13.5	With attachments.....	1.875	1.875	-----
Cement finishers.....	1.625	1.500	8.3	Trenching machines.....	1.875	1.875	-----
Electricians (inside wiremen).....	2.000	1.800	11.1	Glaziers.....	1.750	1.500	16.7
Elevator constructors.....	2.050	1.800	13.9	Lathers.....	2.250	1.875	20.0
Engineers—Power equipment operators:				Marble setters.....	2.250	2.000	12.5
Air compressors.....	1.625	1.625	-----	Mosaic and terrazzo workers.....	2.250	2.000	12.5
Bulldozers.....	1.750	1.750	-----	Painters.....	1.750	1.500	16.7
Cranes, derricks, and draglines.....	1.875	1.875	-----	Spray.....	2.000	1.625	23.1
Graders:				Structural steel.....	2.000	1.750	14.3
Blade.....	1.625	1.625	-----	Paperhangers.....	1.750	1.500	16.7
Motor.....	1.750	1.750	-----	Plasterers.....	2.250	1.875	20.0
Holsts:				Plumbers and gas fitters.....	2.000	1.875	6.7
1 drum.....	1.625	1.625	-----	Sheet-metal workers.....	1.750	1.600	9.4
2 or more drums.....	1.875	1.875	-----	Sign painters.....	1.750	1.500	16.7
Locomotive.....	1.625	1.625	-----	Steam fitters.....	2.000	1.875	6.7
Mixers:				Stonemasons.....	2.500	2.000	25.0
108 or smaller.....	1.500	1.500	-----	Structural and ornamental-iron workers.....	2.000	1.750	14.3
Larger than 108.....	1.625	1.625	-----	Rodmen.....	1.750	1.500	16.7
Pumps:				Tile layers.....	2.250	2.000	12.5
2 inch discharge.....	1.400	1.400	-----				
Over 2 inch discharge.....	1.625	1.625	-----				
Rollers.....	1.625	1.625	-----	<i>Helpers and laborers</i>			
Scrapers.....	1.875	1.875	-----	Elevator constructors' helpers.....	1.435	1.260	13.9
Shovels.....	1.875	1.875	-----				
Tournapulls.....	1.875	1.875	-----				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## OAKLAND, CALIF.

Classification	Rate per hour—	Classification	Rate per hour—	Classification	Rate per hour—
	July 1, 1948 <sup>1</sup>		July 1, 1948 <sup>1</sup>		July 1, 1948 <sup>1</sup>
<i>Journeyman</i>		<i>Journeyman—Continued</i>		<i>Journeyman—Continued</i>	
Asbestos workers.....	\$1.900	Engineers—Power equipment operators—Continued		Roofers, composition.....	
Boilermakers.....	2.150	Mixers—Continued	\$2.275	Foremen.....	\$2.125
Bricklayers.....	2.813	Dual drum.....	2.175	Sheet-metal workers.....	2.125
Carpenters.....	2.160	Pumps, concrete.....		Sign painters.....	2.340
Floor layers.....	2.285	Shovels:	2.375	Outdoor advertising.....	2.250
Millwrights.....	2.285	Tractor type.....		Steam fitters.....	2.375
Shinglers.....	2.285	Power:	2.525	Stonemasons.....	2.813
Cement finishers.....	2.150	Up to 1 yard.....	2.625	Structural-iron workers.....	2.400
Composition.....	2.275	Over 1 yard.....	2.225	Ornamental.....	2.250
Machinemen.....	2.275	Tractors.....	2.525	Rodmen.....	2.150
Electricians (inside wiremen).....	2.400	Tandem.....	2.275	<i>Helpers and laborers</i>	
Elevator constructors.....	2.370	Trenching machines.....	2.000	Boilermakers' helpers.....	1.850
Engineers—Power equipment operators:		Glaziers.....	3.000	Bricklayers' tenders.....	2.250
Air compressors.....	1.875	Lathers.....	2.225	Building laborers.....	1.525
More than 1.....	2.375	Linoleum and soft tile layers.....	2.250	Elevator constructors' helpers.....	1.660
Derricks.....	2.375	Mosaic and terrazzo workers.....	2.250	Plasterers' laborers.....	2.250
Graders, power.....	2.375	Dry-base machine operator.....	2.150	Terrazzo workers' helpers.....	1.785
Le Tourneau.....	2.375	Painters.....	2.500	Wet-machine men.....	1.785
Mixers:		Plasterers.....	2.375	Terrazzo polishers.....	1.785
Up to 1 yard.....	1.875	Plumbers and gas fitters.....	2.000		
Over 1 yard.....	2.175				

<sup>1</sup> Data for July 1, 1947, not available.

## OKLAHOMA CITY, OKLA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.875	6.7	Roofers: Composition.....	\$1.650	\$1.400	17.9
Bricklayers.....	2.500	2.500	—	Slate and tile.....	1.650	1.400	17.9
Carpenters.....	2.000	1.800	11.1	Sheet-metal workers.....	2.000	1.750	14.3
Millwrights and pile drivers.....	2.175	1.975	10.1	Sign painters.....	1.950	1.750	11.4
Cement finishers.....	2.000	1.900	5.3	Steam fitters.....	2.250	2.000	12.5
Electricians (inside wiremen).....	2.250	2.000	12.5	Stonemasons.....	2.500	2.500	—
Elevator constructors.....	2.110	1.920	9.9	Structural and ornamental-iron workers.....	1.750	1.675	4.5
Glaziers.....	1.625	1.500	8.3	Rodmen.....	1.750	1.875	4.5
Lathers.....	2.500	2.100	19.0	Tile layers.....	2.250	2.000	12.5
Marble setters.....	2.250	2.000	12.5	<i>Helpers and laborers</i>			
Mosaic and terrazzo workers.....	2.250	2.000	12.5	Bricklayers' tenders.....	1.150	1.125	2.2
Painters.....	1.800	1.675	7.5	Building laborers.....	1.000	.975	2.6
Spray and structural steel.....	2.050	1.900	7.9	Elevator constructors' helpers.....	1.480	1.320	12.1
Swing stage and scaffold over 30 feet.....	2.050	2.000	2.5	Plasterers' laborers.....	1.150	1.125	2.2
Paperhangers.....	1.800	1.675	7.5	Plumbers' laborers.....	1.150	1.125	2.2
Plasterers.....	2.500	2.250	11.1				
Plumbers and gas fitters.....	2.250	2.000	12.5				

## OMAHA, NEBR.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.150	\$1.825	17.8	Lathers.....	\$2.150	\$2.000	7.5
Bricklayers.....	2.250	2.100	7.1	Machinists:			
Carpenters.....	1.950	1.825	6.8	Outside.....	2.000	1.950	2.6
Millwrights.....	2.075	1.950	6.4	Welders.....	2.000	1.950	2.6
Floor layers.....	1.950	1.825	6.8	Marble setters.....	2.100	1.750	20.0
Cement finishers.....	1.950	1.825	6.8	Mosaic and terrazzo workers.....	2.100	1.750	20.0
Electricians (inside wiremen).....	2.200	2.000	10.0	Painters.....	1.750	1.500	16.7
Elevator constructors.....	2.180	1.760	23.9	Spray and structural steel.....	2.000	1.750	14.3
Engineers—Power equipment operators;				Swing stage.....	2.000	1.625	23.1
Class A—Cranes, power shovels, derricks, pile drivers, etc.....	2.150	2.000	7.5	Paperhangers.....	1.625	1.500	8.3
Class B—Mechanics, trucking machines, welders, etc.....	2.150	2.000	7.5	Plasterers.....	2.250	2.000	12.5
Class C—Air compressors.....	1.725	1.625	6.2	Plumbers and gas fitters.....	2.150	2.000	7.5
Cableways, 1 drum hoist and mixers.....	2.150	1.750	22.9	Roofers:			
Tractors under 35 horsepower.....	1.875	1.750	7.1	Composition.....	1.625	1.500	8.3
Straight cat 8.....	1.875	1.750	7.1	Foremen.....	1.825	1.700	7.4
Glaziers:				Slate and tile.....	1.825	1.700	7.4
Outside.....	1.700	1.550	9.7	Asbestos and asphalt.....	1.625	1.500	8.3
Inside.....	1.400	1.250	12.0	Sheet-metal workers.....	1.875	1.750	7.1
				Steam fitters.....	2.150	2.000	7.5
				Stonemasons.....	2.250	2.100	7.1

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## OMAHA, NEBR.—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman—Continued</i>				<i>Helpers and laborers—Continued</i>			
Structural-iron workers.....	\$2.050	\$1.925	6.5	Building laborers.....	\$1.200	\$1.125	6.7
Reinforcers and rodmen.....	2.050	1.925	6.5	Elevator constructors' helpers.....	1.530	1.230	24.4
Tile layers.....	2.100	1.750	20.0	Marble setters' helpers.....	1.450	1.150	26.1
<i>Helpers and laborers</i>				Plasterers' laborers.....	1.325	1.250	6.0
Bricklayers' tenders and mortar mixers.....	1.200	1.125	6.7	Terrazzo workers' helpers.....	1.450	1.150	26.1
Hod carriers.....	1.325	1.250	6.0	Base-machine operators.....	1.600	1.250	28.0
				Tile layers' helpers.....	1.450	1.150	26.1

## PEORIA, ILL.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.350	\$2.150	9.3	Engineers—Power equipment operators—Con. Trenching machines.....	\$2.250	\$2.125	5.9
Boilermakers.....	2.300	2.000	15.0	Glaziers.....	2.125	1.875	13.3
Bricklayers.....	2.500	2.250	11.1	Lathers.....	2.250	2.000	12.5
Carpenters.....	2.250	2.000	12.5	Machinists.....	2.250	2.000	12.5
Floor layers.....	2.250	2.000	12.5	Marble setters.....	2.500	2.150	16.3
Bridge and wharf.....	2.250	2.000	12.5	Mosaic and terrazzo workers.....	2.500	1.875	33.3
Millwrights.....	2.250	2.000	12.5	Painters.....	2.000	1.750	14.3
Cement finishers.....	2.250	2.000	12.5	Swing stage.....	2.250	2.000	12.5
Electricians (inside wiremen).....	2.375	2.125	11.8	Paperhangers.....	2.000	1.750	14.3
Elevator constructors.....	2.170	1.910	13.6	Plasterers.....	2.500	2.250	11.1
Engineers—Power equipment operators:				Plumbers and gas fitters.....	2.375	2.125	11.8
Air compressors.....	1.950	1.900	2.6	Roofers:			
Bulldozers.....	2.250	2.125	5.9	Composition.....	2.125	1.875	13.3
Cranes, derricks, and draglines.....	2.250	2.125	5.9	Foremen.....	2.375	2.000	18.8
Graders:				Slate and tile.....	2.125	1.875	13.3
Elevating.....	2.250	2.125	5.9	Sheet-metal workers.....	2.250	2.000	12.5
Form.....	1.800	1.750	2.9	Sign painters.....	2.150	1.875	14.7
Hoists:				Steam fitters.....	2.375	2.125	11.8
1 drum.....	1.900	1.850	2.7	Structural-iron workers:			
2 drums or more.....	2.250	2.125	5.9	Erectors and finishers.....	2.375	2.125	11.8
LeTourneau.....	2.250	2.125	5.9	Rodmen.....	2.375	2.125	11.8
Mixers:				Tile layers.....	2.500	2.150	16.3
Under 3-bag capacity.....	1.700	1.600	6.3	<i>Helpers and laborers</i>			
3 bag to 21E.....	1.900	1.700	5.9	Bricklayers' tenders.....	1.625	1.370	18.6
Paving 21E and larger.....	2.250	2.125	5.9	Building laborers.....	1.625	1.370	18.6
Pumps:				Elevator constructors' helpers.....	1.520	1.335	13.9
Water.....	1.800	1.750	2.9	Marble setters' helpers.....	1.650	1.375	21.8
Concrete.....	2.250	2.125	5.9	Plasterers' laborers.....	1.750	1.500	16.7
Rollers:				Mortar mixers.....	1.625	1.500	8.3
On earth or gravel:				Plumbers' laborers.....	1.500	1.375	9.1
5 tons and under.....	1.800	1.750	2.9	Terrazzo workers' helpers.....	1.875	(*)	-----
Over 5 tons.....	2.250	2.125	5.9	Base-machine operators.....	1.875	(*)	-----
On brick or asphalt.....	2.250	2.175	5.9	Tile layers' helpers.....	1.675	1.375	21.8
Scrapers.....	2.250	2.125	5.9				
Shovels.....	2.250	2.125	5.9				
Tractors (straight).....	1.800	1.750	2.9				

\* Not available.

## PHILADELPHIA, PA.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.500	\$2.250	11.1	Glaziers.....	\$2.090	\$1.925	8.6
Home insulators.....	1.450	1.200	20.8	30 feet or over, above ground.....	2.240	2.075	8.0
Boilermakers.....	2.250	2.000	12.5	Granite cutters.....	* 1.928	1.750	10.2
Bricklayers.....	* 2.750	* 2.500	10.0	Without shed or cover.....	* 2.214	2.000	10.7
Operative or speculative work.....	2.750	2.400	14.6	Lathers.....	2.500	2.250	11.1
Carpenters.....	2.250	2.000	12.5	Residential.....	2.250	2.150	4.7
Cement finishers.....	2.250	2.000	12.5	Machinists.....	2.150	2.000	7.5
Electricians (inside wiremen).....	2.375	2.250	5.6	Marble setters.....	2.450	2.050	19.5
Elevator constructors.....	2.590	2.380	8.4	Mosaic and terrazzo workers.....	2.450	2.125	15.3
Engineers—Power equipment operators: <sup>†</sup>				Painters.....	2.050	1.900	7.9
Air compressors.....	2.000	2.000	-----	Steel.....	2.175	2.025	7.4
Bulldozers.....	1.875	1.875	-----	Swing stage or spray.....	2.175	2.025	7.4
Cranes, derricks, and draglines.....	2.500	2.500	-----	Paperhangers.....	2.050	1.750	17.1
Graders, elevating.....	2.125	2.125	-----	Plasterers.....	2.500	2.500	-----
Hoists.....	2.250	2.250	-----	Plumbers and gas fitters.....	2.500	2.250	11.1
Mixers.....	2.125	2.125	-----	Roofers:			
Pumps.....	2.000	2.000	-----	Composition.....	2.150	1.900	13.2
Rollers.....	2.000	2.000	-----	Foremen.....	2.400	2.150	11.6
Shovels.....	2.500	2.500	-----	Slate and tile.....	2.550	2.300	10.9
Tractors with scrapers, or carry-alls.....	2.125	2.125	-----	Sheet-metal workers.....	2.500	2.250	11.1

\*35 hour workweek.

† Weekly unit basis; rates for engineers paid on a daily unit basis is 25 cents higher.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## PHILADELPHIA, PA.—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<b>Journeyman—Continued</b>				<b>Helpers and laborers</b>			
Sign painters.....	\$2.050	\$1.900	7.9	Bricklayers' tenders.....	\$1.250	\$1.100	13.6
Outdoor advertising.....	2.145	2.020	6.2	Residential.....	1.450	1.300	11.5
Steam fitters.....	2.500	2.250	11.1	Building laborers.....	1.250	1.100	13.6
Sprinkler fitters.....	2.375	1.750	35.7	Elevator constructors' helpers.....	1.810	1.660	9.0
Oil-burner fitters.....	2.500	2.250	11.1	Marble setters' helpers.....	1.800	1.450	24.1
Stonemasons.....	2.400	2.000	20.0	Plasterers' laborers.....	1.775	1.625	9.2
Residential.....	2.250	2.000	12.5	Sprinkler fitters' helpers.....	1.500	1.100	36.4
Structural-iron workers.....	2.650	2.400	10.4	Terrazzo workers' helpers.....	1.950	1.650	18.2
Rodmen.....	2.250	2.000	12.5	Tile layers' helpers.....	1.700	1.450	17.2
Tile layers.....	2.400	2.000	20.0				

## PHOENIX, ARIZ.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<b>Journeyman</b>				<b>Journeyman—Continued</b>			
Asbestos workers.....	\$2.000	\$2.000	—	Painters—Continued			
Bricklayers.....	3.000	2.000	80.0	Swing stage.....	\$2.000	\$1.900	5.3
Carpenters.....	2.100	1.775	18.3	Structural steel.....	2.100	1.900	10.5
Millwrights.....	2.225	—	27.1	Paperhangers.....	2.000	1.800	11.1
Parquetry floor layers.....	2.350	—	25.3	Plasterers.....	2.600	2.000	25.0
Cement finishers.....	2.100	—	29.2	Plumbers and gas fitters.....	2.250	2.000	12.5
Electricians (inside wiremen).....	2.250	1.900	18.4	Roofers:			
Elevator constructors.....	2.250	2.150	4.7	Composition.....	1.750	1.600	9.4
Engineers—Power equipment operators:				Foremen.....	2.000	1.850	8.1
Air compressors.....	1.775	1.450	22.4	Slate and tile.....	1.750	1.600	9.4
Bulldozers.....	2.025	1.700	19.1	Sheet-metal workers.....	2.000	1.750	14.3
Cranes, derricks, and draglines.....	2.225	1.900	18.4	Sign painters.....	2.400	2.125	12.9
Graders, elevating.....	2.150	1.825	17.8	Steam fitters.....	2.250	2.000	12.5
Tow blade.....	1.900	1.575	20.6	Stonemasons.....	3.000	2.000	50.0
Hoists, elevating.....	1.975	1.700	16.2	Structural-iron workers.....	2.225	1.900	17.1
Le Tourneau.....	2.150	1.825	17.8	Rodmen.....	2.100	1.775	18.3
Mixers, concrete.....	2.125	1.800	18.1	Tile layers.....	3.000	2.000	50.0
Skip type.....	1.900	1.575	20.6				
Pumps.....	1.775	1.450	22.4	<b>Helpers and laborers</b>			
Concrete.....	1.900	1.575	20.6	Bricklayers' tenders.....	1.825	1.525	19.7
Rollers.....	1.975	1.650	19.7	Building laborers.....	1.450	1.150	26.1
Shovels.....	2.225	1.900	18.4	Elevator constructors' helpers.....	1.570	1.500	4.7
Tractors.....	2.025	1.700	19.1	Marble setters' helpers.....	1.600	1.250	20.0
Trenching machines.....	2.100	1.775	18.3	Plasterers' laborers.....	2.025	1.725	17.4
Marble setters.....	3.000	2.000	50.0	Sign painters' helpers.....	1.900	1.625	16.9
Mosaic and terrazzo workers.....	3.000	2.000	50.0	Terrazzo workers' helpers.....	1.900	1.250	20.0
Painters.....	1.850	1.650	12.1	Tile layers' helpers.....	1.600	1.250	20.0
Spray.....	2.025	1.825	11.0				

\* Percentage change based on 1946 rates.

## PITTSBURGH, PA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<b>Journeyman</b>				<b>Journeyman—Continued</b>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Paperhangers.....	\$2.200	\$2.000	10.0
Boilermakers.....	2.250	2.000	12.5	Plasterers.....	2.625	2.250	16.7
Bricklayers.....	2.700	2.450	10.2	Plumbers and gas fitters.....	2.600	2.250	11.1
Carpenters.....	2.500	2.000	25.0	Roofers:			
Cement finishers.....	2.500	2.000	25.0	Composition.....	2.250	2.000	12.5
Electricians (inside wiremen).....	2.375	2.250	5.6	Foremen.....	2.600	2.125	17.6
Elevator constructors.....	2.565	2.030	26.4	Slate and tile.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Sheet-metal workers.....	2.600	1.875	33.3
Air compressors.....	2.550	2.300	10.9	Welders.....	2.000	1.375	45.5
Bulldozers.....	2.550	2.300	10.9	Sign painters:			
Cranes, derricks, and draglines.....	2.650	2.400	10.4	Over 70 feet.....	2.500	2.250	11.1
Graders.....	2.550	2.300	10.9	Under 70 feet.....	2.250	2.000	12.5
Hoists:				Steam fitters.....	2.500	2.150	16.3
1 drum.....	2.550	2.300	10.9	Sprinkler fitters.....	2.375	2.125	11.8
2 drums.....	2.650	2.400	10.4	Stonemasons.....	2.700	2.250	20.0
Mixers.....	2.550	2.300	10.9	Structural-iron workers.....	2.600	2.250	11.1
Pumps.....	2.550	2.300	10.9	Rodmen.....	2.600	2.250	11.1
Rollers.....	2.550	2.300	10.9	Tile layers.....	2.125	2.000	6.3
Shovels.....	2.650	2.400	10.4	<b>Helpers and laborers</b>			
Tractors.....	2.550	2.300	10.9	Bricklayers' tenders.....	1.750	1.400	25.0
Trenching machines.....	2.650	2.400	10.4	Building laborers.....	1.500	1.150	30.4
Glaziers.....	2.000	1.820	9.9	Elevator constructors' helpers.....	1.795	1.420	26.4
Lathers:				Marble setters' helpers.....	1.500	1.330	12.8
Commercial.....	2.625	2.250	16.7	Plasterers' laborers.....	1.750	1.400	25.0
Residential.....	2.250	2.000	12.5	Plumbers' laborers.....	1.875	1.250	26.0
Machinists.....	2.500	2.000	25.0	Terrazzo workers' helpers.....	1.750	1.500	16.7
Marble setters.....	2.250	2.000	12.5	Tile layers' helpers.....	1.417	1.333	6.3
Mosaic and terrazzo workers.....	2.500	2.188	14.3				
Painters.....	2.200	2.000	10.0				
Grainers.....	2.530	2.330	8.6				
Structural steel.....	2.450	2.250	8.9				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## PORTLAND, MAINE

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers	\$2.000	\$1.850	8.1	Structural-iron workers	\$2.125	\$1.875	13.3
Carpenters	1.500	1.375	9.1	Finishers	2.125	1.875	13.3
Cement finishers	2.000	1.850	8.1	Rodmen	1.875	1.625	15.4
Electricians (inside wiremen)	1.825	1.600	14.1	Tile layers	2.000	1.850	8.1
Elevator constructors	1.890	1.700	11.2	<i>Helpers and laborers</i>			
Marble setters	2.000	1.850	8.1	Bricklayers' tenders	1.200	1.100	9.1
Mosaic and terrazzo workers	2.000	1.850	8.1	Building laborers	1.100	1.000	10.0
Painters	1.375	1.250	10.0	Elevator constructors' helpers	1.320	1.190	10.9
Paperhangers	1.375	1.250	10.0	Plasterers' laborers	1.300	1.200	8.3
Plasterers	2.000	1.750	14.3	Steamfitters' helpers	1.250	1.050	19.0
Plumbers	2.000	1.750	14.3	Terrazzo workers' helpers	1.300	1.100	18.2
Steamfitters	2.000	1.750	14.3				
Stonemasons	2.000	1.850	8.1				

## PORTLAND, OREG.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers	\$2.200	\$2.000	10.0	Engineers—Power equipment operators—Con.			
Boilermakers	2.150	1.950	10.3	Trenching machines	\$1.850	\$1.850	-----
Bricklayers	2.500	2.100	19.0	Glaziers	1.960	1.840	6.5
Carpenters	1.925	1.750	10.0	Lathers	2.250	2.000	12.5
Millwrights	2.175	2.000	8.8	Marble setters	2.000	2.000	-----
Floor layers	2.050	1.875	9.3	Mosaic and terrazzo workers	2.000	2.000	-----
Pile drivers, bridge, dock and wharf builders	2.025	1.850	9.5	Painters	1.875	1.750	7.1
Shinglers	2.125	1.950	9.0	Bridge and structural steel	2.025	1.900	6.6
Cement finishers	2.000	1.825	9.6	Spray	2.025	1.900	6.6
Composition workers, mastic workers	2.125	1.950	9.0	Swing stage	2.025	1.900	6.6
Electricians (inside wiremen) and fixture hangers	2.000	1.875	6.7	Paperhangers	2.025	1.900	6.6
Elevator constructors	2.245	2.030	10.6	Plasterers	2.350	2.100	11.9
Engineers—Power equipment operators:				Plumbers and gas fitters	2.375	2.125	11.8
Air compressors	1.700	1.700	-----	Roofers:			
Cranes, derricks, and draglines:				Composition	2.000	1.800	11.1
Under 1 cubic yard	2.000	2.000	-----	Foremen	2.125	1.925	10.4
1 to 5 cubic yards	2.100	2.100	-----	Slate and tile	2.000	1.800	11.1
Over 5 cubic yards	2.350	2.350	-----	Sheet-metal workers	1.950	1.825	6.8
Graders	1.850	1.850	-----	Sign painters	2.250	2.125	5.9
Holists:				Steam fitters	2.375	2.125	11.8
1 drum	1.800	1.800	-----	Oil fitters	2.075	1.875	10.7
2 drums or more	2.050	2.050	-----	Stonemasons	2.500	2.100	19.0
Mixers:				Structural-iron workers	2.125	1.950	9.0
1 to 5 bags	1.700	1.700	-----	Ornamental finishers	2.125	1.950	9.0
5 bags and over	1.850	1.850	-----	Rodmen	1.925	1.750	10.0
Pumps	1.700	1.700	-----	Tile layers	2.125	2.000	6.3
Rollers:				<i>Helpers and laborers</i>			
Grade and surfacing	1.600	1.600	-----	Bricklayers' tenders	1.775	1.600	10.9
Finishing, high type	1.850	1.850	-----	Jack-hammer men	1.775	1.450	22.4
Shovels:				Building laborers	1.525	1.350	13.0
Under 1 cubic yard	2.000	2.000	-----	Elevator constructors' helpers	1.590	1.420	12.0
1 to 5 cubic yards	2.100	2.100	-----	Plasterers' laborers	1.775	1.600	10.9
Over 5 cubic yards	2.350	2.350	-----	Plumbers' laborers	1.525	1.350	13.0
Tractors:				Terrazzo workers' helpers	1.775	1.600	10.9
50 horsepower and under	1.750	1.750	-----				
Over 50 horsepower	1.950	1.950	-----				
Tandem carry-alls	2.200	2.200	-----				

\* 35-hour workweek.

## PROVIDENCE, R. I.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers	\$2.100	\$1.800	16.7	Engineers—Power equipment operators—Con.			
Boilermakers	2.250	2.000	12.5	Tractors	\$1.625	\$1.625	-----
Bricklayers	2.300	2.050	12.2	Glaziers	2.000	1.650	20.0
Carpenters	1.900	1.650	15.2	Granite cutters	1.875	1.525	15.4
Cement finishers	2.000	1.750	14.3	Lathers	2.250	2.000	12.5
Electricians (inside wiremen)	2.000	1.850	8.1	Marble setters	1.900	1.750	8.6
Elevator constructors	1.990	1.910	4.2	Mosaic and terrazzo workers	1.900	1.750	8.6
Engineers—Power equipment operators:				Painters	1.575	1.375	14.5
Air compressors	1.925	1.925	-----	Structural steel	1.825	1.625	12.3
Digging machines	2.250	2.250	-----	Paperhangers	1.575	1.375	14.5
Graders, motor	1.625	1.625	-----	Plasterers	2.250	2.000	12.5
Holists:				Plumbers	2.000	2.000	-----
1 drum	1.925	1.925	-----	Roofers:			
2 drums	2.250	2.250	-----	Composition	1.800	1.550	16.1
Pumps	1.925	1.925	-----	Slate and tile	2.000	1.750	14.3
Rollers	1.925	1.925	-----				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## PROVIDENCE, R. I.—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman—Continued</i>				<i>Helpers and laborers</i>			
Sheet-metal workers.....	\$2.000	\$1.750	14.3	Bricklayers' tenders.....	\$1.400	\$1.200	16.7
Sign painters.....	1.750	1.500	16.7	Building laborers.....	1.400	1.200	16.7
Steamfitters.....	2.250	2.000	12.5	Elevator constructors' helpers.....	1.390	1.340	3.7
Stonemasons.....	2.300	2.050	12.2	Marble setters' helpers.....	1.350	1.150	17.4
Structural-iron workers.....	2.250	2.000	12.5	Plasterers' laborers.....	1.700	1.500	13.3
Rodmen.....	2.250	2.000	12.5	Terrazzo workers' helpers.....	1.350	1.150	17.4
Tile layers.....	1.900	1.750	8.6	Tile layers' helpers.....	1.350	1.150	17.4

## READING, PA.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$2.000	-----	Plumbers.....	\$2.125	\$1.875	13.3
Bricklayers.....	2.350	2.000	17.5	Roofers:			
Carpenters.....	2.000	1.750	14.3	Composition.....	1.800	1.650	9.1
Cement finishers.....	1.950	1.800	8.3	Foremen.....	2.050	1.900	7.9
Electricians (inside wiremen).....	2.125	1.750	21.4	Slate and tile, shingle.....	1.800	1.650	9.1
Elevator constructors.....	2.300	2.050	12.2	Slab.....	2.150	2.000	7.5
Engineers—Power equipment operators: <sup>†</sup>				Sheet-metal workers.....	2.000	1.750	14.3
Air compressors.....	2.000	2.000	-----	Sign painters.....	1.500	1.350	11.1
Bulldozers.....	1.875	1.875	-----	Outside advertising.....	1.750	1.350	29.6
Cranes, derricks, and draglines.....	2.500	2.500	-----	Swing workers.....	1.750	1.500	16.7
Graders, elevating.....	2.125	2.125	-----	Steamfitters.....	2.125	1.875	13.3
Hoists.....	2.250	2.250	-----	Stonemasons.....	2.350	2.000	17.5
Mixers.....	2.125	2.125	-----	Structural-iron workers.....	2.500	2.250	11.1
Pumps.....	2.000	2.000	-----	Rodmen.....	2.300	2.050	12.2
Rollers.....	2.000	2.000	-----	Tile layers.....	2.250	2.000	12.5
Shovels.....	2.500	2.500	-----				
Tractors with scrapers, or carry-alls.....	2.125	2.125	-----	<i>Helpers and laborers</i>			
Glaziers.....	1.780	1.625	9.5	Bricklayers' tenders.....	1.600	1.400	14.3
Lathers.....	2.000	1.875	6.7	Building laborers.....	1.250	1.100	13.6
Painters.....	1.750	1.600	9.4	Jack-hammer operators.....	1.450	1.300	11.5
Spray.....	2.100	1.950	7.7	Elevator constructors' helpers.....	1.610	1.435	12.2
Structural steel.....	1.850	1.750	5.7	Plasterers' laborers.....	1.600	1.400	14.3
Paperhangers.....	1.750	1.600	9.4	Plumbers' laborers.....	1.250	1.100	13.6
Plasterers.....	2.400	2.250	6.7				

<sup>†</sup> 35-hour workweek.<sup>†</sup> Weekly unit basis; rates for engineers paid on a daily unit basis is 25 cents higher.

## RICHMOND, VA.

<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.875	\$1.750	7.1	Engineers—Power equipment operators—Con.			
Boilermakers.....	2.250	(*)	-----	Trenching machines.....	\$1.875	\$1.875	-----
Bricklayers.....	2.500	2.250	11.1	Lathers.....	1.875	1.750	14.3
Carpenters.....	1.800	1.650	9.1	Machinists.....	2.000	1.750	14.3
Millwrights.....	2.050	1.900	7.9	Marble setters.....	2.500	1.750	42.9
Cement finishers.....	1.750	1.625	7.7	Mosaic and terrazzo workers.....	2.250	1.625	38.5
Electricians (inside wiremen).....	2.000	1.800	11.1	Painters.....	1.625	1.500	8.3
Elevator constructors.....	2.100	1.955	5.8	Spray.....	2.075	1.950	6.4
Engineers—Power equipment operators:				Structural steel and stage work above 50 feet.....	1.875	1.750	7.1
Air compressors.....	1.625	1.625	-----	Paperhangers.....	1.625	1.500	8.3
Bulldozers.....	1.750	1.750	-----	Plasterers.....	2.250	2.000	12.5
Cranes, derricks, and draglines.....	1.875	1.875	-----	Plumbers and gas fitters.....	2.000	1.875	6.7
Graders:				Roofers, composition.....	1.800	1.650	9.1
Blade.....	1.625	1.625	-----	Sheet-metal workers.....	1.875	1.625	15.4
Motor.....	1.750	1.750	-----	Sign painters.....	1.750	1.750	-----
Hoists:				Steam fitters.....	2.000	1.875	6.7
1 drum.....	1.625	1.625	-----	Stonemasons.....	2.500	2.250	11.1
2 or more drums.....	1.875	1.875	-----	Structural- and ornamental-iron workers.....	2.250	2.000	12.5
Locomotive.....	1.625	1.625	-----	Rodmen.....	2.000	1.750	14.3
Mixers:				Tile layers.....	2.250	1.625	38.5
105 or smaller.....	1.500	1.500	-----				
Larger than 105.....	1.625	1.625	-----	<i>Helpers and laborers</i>			
Pumps:				Boilermakers' helpers.....	2.000	(*)	-----
2-inch discharge.....	1.400	1.400	-----	Bricklayers' tenders.....	1.150	(*)	-----
Over 2-inch discharge.....	1.625	1.625	-----	Hoecarriers and mortar mixers.....	1.250	(*)	-----
Rollers.....	1.625	1.625	-----	Building laborers.....	.900	(*)	-----
Scrapers.....	1.875	1.875	-----	Elevator constructors' helpers.....	1.470	1.390	5.8
Shovels.....	1.875	1.875	-----				
Tournapulls.....	1.875	1.875	-----				
Tractors:							
Without attachments.....	1.625	1.625	-----				
With attachments.....	1.875	1.875	-----				

\* Not available.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## ROCHESTER, N. Y.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.100	7.1	Lathers.....	\$2.225	\$2.075	7.2
Boilermakers.....	2.400	2.150	11.6	Marble setters.....	2.200	1.960	12.2
Bricklayers.....	2.290	2.100	9.0	Mosaic and terrazzo workers.....	2.200	1.960	12.2
Carpenters.....	2.060	1.910	7.9	Painters.....	1.990	1.775	12.1
Cement finishers.....	2.290	2.100	9.0	Spray.....	2.240	2.025	10.6
Electricians (inside wiremen).....	2.250	2.100	7.1	Structural and bridge.....	2.090	1.875	11.5
Elevator constructors.....	2.265	1.965	15.3	Paperhangers.....	1.990	1.775	12.1
Engineers—Power equipment operators:				Plasterers.....	2.290	2.100	9.0
Air compressors:				Plumbers and gas fitters.....	2.250	2.100	7.1
Single portable, under 160 cubic feet.....	1.450	1.375	5.5	Roofers:			
160 cubic feet and over.....	1.750	1.625	7.7	Composition.....	1.925	1.775	8.5
In battery.....	2.125	(*)		Slate and tile.....	1.925	1.775	8.5
Bulldozers.....	2.050	1.750	17.1	Sheet-metal workers.....	2.100	1.875	12.0
Cranes, derricks, and draglines.....	2.400	2.250	6.7	Sign painters.....	2.000	1.900	5.3
Cranes and draglines, under 1½ yards.....	2.250	(*)		Steam fitters.....	2.250	2.100	7.1
Graders.....	2.050	(*)		Stonemasons.....	2.290	2.100	9.0
Hoists.....	2.250	2.125	5.9	Structural-iron workers.....	2.250	2.100	7.1
Mixers, concrete:				Rodmen.....	2.250	2.100	7.1
14S or over.....	2.050	1.750	17.1	Tile layers.....	2.200	1.960	12.2
Under 14S.....	1.800	1.500	20.0				
Pumps:				<i>Helpers and laborers</i>			
Concrete.....	2.250	2.125	5.9	Bricklayers' tenders.....	1.450	1.300	11.5
Under 4 inches.....	1.450	1.375	5.5	Building laborers.....	1.450	1.300	11.5
4 inches and over.....	1.800	(*)		Composition roofers' helpers.....	1.450	1.300	11.5
2 or 3 in battery.....	2.250	2.000	12.5	Elevator constructors' helpers.....	1.585	1.375	15.3
Rollers.....	1.800	1.500	20.0	Marble setters' helpers.....	1.475	1.320	11.7
Tandem.....	2.250	2.125	5.9	Plasterers' laborers.....	1.450	1.300	11.5
Scrapers, carry-all type.....	2.050	1.875	9.3	Terrazzo workers' helpers.....	1.475	1.320	11.7
Shovels.....	2.400	2.125	12.9	Machine operators and grinders.....	1.672	1.420	10.7
Under 1½ yards.....	2.250	2.125	5.9	Tile layers' helpers.....	1.475	1.320	11.7
Trenching machines.....	2.250	2.125	5.9				
Glaziers.....	1.825	1.650	10.6				

\* Not available.

ROCK ISLAND (ILL.) DISTRICT<sup>1</sup>

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.750	14.3	Lathers.....	\$2.250	\$2.000	12.5
Boilermakers.....	1.850	1.850		Marble setters.....	1.625	1.625	
Bricklayers.....	2.350	2.100	11.9	Mosaic and terrazzo workers.....	1.625	1.625	
Carpenters.....	2.025	1.850	9.5	Painters.....	2.025	1.875	8.0
Floor layers.....	2.025	1.850	9.5	Steel.....	2.150	2.000	7.5
Millwrights.....	2.025	1.980	2.3	Swing stage, triple ladder, window tracks.....	2.150	2.000	7.5
Cement finishers.....	1.935	1.835	8.2	Paperhangers.....	2.025	1.875	8.0
Electricians (inside wiremen).....	2.250	2.000	12.5	Plasterers.....	2.375	2.125	11.8
Elevator constructors.....	2.040	2.040		Plumbers and gas fitters.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Roofers:			
Air compressors:				Composition.....	2.050	1.820	12.6
Under 500 cubic feet.....	1.650	1.500	10.0	Foremen.....	2.180	1.940	12.4
500 cubic feet and over.....	1.800	1.500	20.0	Slate and tile.....	2.050	1.820	12.6
Bulldozers.....	2.000	1.950	2.6	Sheet-metal workers.....	2.000	1.825	9.6
Cranes, derricks, and draglines.....	2.120	1.950	8.7	Sign painters.....	2.025	1.875	8.0
Form.....	1.800	1.750	2.9	Steam fitters.....	2.250	2.000	12.5
Elevating.....	2.000	1.950	2.6	Structural-iron workers.....	2.130	1.980	7.6
Hoists:				Rodmen.....	2.130	1.980	7.6
1 drum.....	2.000	1.750	14.3	Tile layers.....	1.625	1.625	
2 active drums.....	2.120	1.950	8.7				
Mixers:				<i>Helpers and laborers</i>			
1 or 2 bag capacity.....	1.650	1.500	10.0	Bricklayers' tenders.....	1.400	1.250	12.0
Paving type.....	2.120	1.950	8.7	Mortar mixers.....	1.500	1.350	11.1
Pumps:				Building laborers.....	1.400	1.250	12.0
Water.....	1.650	1.500	10.0	Ditch and tunnel work.....	1.500	1.350	11.1
Concrete.....	2.000	1.750	14.3	Elevator constructors' helpers.....	1.430	1.430	
Rollers, on asphalt or blacktop.....	2.000	1.950	2.6	Marble setters' helpers.....	1.250	1.100	13.6
Shovels.....	2.120	1.950	8.7	Plasterers' laborers.....	1.750	1.500	16.7
Tractors:				Mortar mixers.....	1.750	1.500	16.7
Without power attachment.....	1.800	1.750	2.9	Plumbers' laborers.....	1.400	1.250	12.0
Side boom.....	2.120	1.950	8.7	Terrazzo workers' helpers.....	1.250	1.100	13.6
Trenching machines.....	2.120	1.950	8.7	Base grinders.....	1.250	1.100	13.6
Glaziers.....	2.050	1.900	7.9	Tile layers' helpers.....	1.250	1.100	13.6

<sup>1</sup> Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## ST. LOUIS, MO.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.125	5.9	Machinists.....	\$2.250	\$2.000	12.5
Boilermakers.....	2.250	2.000	12.5	Marble setters.....	2.250	2.000	12.5
Bricklayers.....	2.750	2.250	22.2	Mosaic and terrazzo workers.....	2.300	2.000	15.0
Sewer, over 6 feet open work.....	3.000	2.500	20.0	Painters.....	2.070	1.800	15.0
Carpenters.....	2.450	2.200	11.4	Paperhangers.....	2.070	1.800	15.0
Millwrights.....	2.450	2.200	11.4	Plasterers.....	2.500	2.250	11.1
Pile drivers, wharf.....	2.450	2.200	11.4	Plumbers and gas fitters.....	2.250	2.250	-----
Cement finishers.....	2.375	2.150	10.5	Roofers:			
On swinging scaffold.....	2.500	2.275	9.9	Composition.....	2.125	2.000	6.3
Composition.....	2.625	2.400	9.4	Foremen.....	2.375	2.250	5.6
Electricians (inside wiremen).....	2.250	2.250	-----	Slate and tile.....	2.000	1.875	6.7
Elevator constructors.....	2.300	2.240	2.7	Precast slab.....	2.000	2.000	-----
Engineers—Power equipment operators:				Sheet-metal workers.....	2.500	2.250	12.5
Air compressors.....	2.000	1.850	8.1	Sign painters and pictorial.....	2.365	2.150	10.0
2 in tandem.....	2.550	2.400	6.3	Steam fitters.....	2.250	2.125	5.9
Cranes, derricks, and draglines.....	2.550	2.400	6.3	Sprinkler fitters.....	2.250	2.125	5.9
Graders.....	2.550	2.400	6.3	Stonemasons.....	2.750	2.250	22.2
Form.....	2.000	1.850	8.1	Structural-iron workers.....	2.425	2.250	7.8
Hoists:				Rodmen.....	2.425	2.250	7.8
1 drum.....	2.000	1.850	8.1	Tile layers.....	2.175	1.950	11.5
2 drums.....	2.550	2.400	6.3				
Mixers.....	2.000	1.850	8.1	<i>Helpers and laborers</i>			
Concrete or paving.....	2.550	2.400	6.3	Bricklayers' tenders (hod carriers).....	1.800	1.650	9.1
Pumps.....	2.000	1.850	8.1	Building laborers.....	1.500	1.350	11.1
Concrete.....	2.550	2.400	6.3	Wreckers, building.....	1.375	1.225	12.2
Rollers.....	2.000	1.850	8.1	Elevator constructor's helpers.....	1.610	1.370	14.3
On asphalt or top.....	2.550	2.400	6.3	Plasterers' laborers (hod carriers).....	2.000	1.750	14.3
Shovels.....	2.550	2.400	6.3	Plumbers' laborers.....	1.625	1.500	8.3
Tractors, with power take-off.....	2.550	2.400	6.3	Sprinkler fitters' helpers.....	1.350	1.325	1.9
Glaziers.....	2.250	2.040	10.3	Terrazzo workers' helpers.....	1.675	1.550	8.1
Lathers:				Base-machine operators.....	1.850	1.675	10.4
Wood.....	2.250	2.000	12.5	Tile layers' helpers.....	1.500	1.250	20.0
Metal.....	2.500	2.250	11.1				

## ST. PAUL, MINN.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Plasterers.....	\$2.350	\$2.000	17.5
Bricklayers.....	2.250	2.075	8.4	Plumbers and gas fitters.....	2.250	2.000	12.5
Tuck pointing.....	2.375	2.200	8.0	Roofers:			
Carpenters.....	2.050	1.800	13.9	Composition.....	1.900	1.730	9.8
Millwrights.....	2.050	1.800	13.9	Foremen.....	2.000	1.830	9.3
Pile drivers.....	2.050	1.800	13.9	Slate and tile.....	1.900	1.730	9.8
Cement finishers.....	2.000	1.825	9.6	Sheet-metal workers.....	2.150	1.900	13.2
Electricians (inside wiremen).....	2.210	2.060	7.3	Sign painters.....	2.100	1.950	7.7
Elevator constructors.....	2.210	2.075	6.5	Steam fitters.....	2.250	2.000	12.5
Engineers—Power equipment operators:				Sprinkler fitters.....	2.000	2.000	-----
Air compressors.....	1.700	1.550	9.7	Stonemasons.....	2.250	2.075	8.4
Bulldozers.....	2.000	1.850	8.1	Structural-iron workers.....	2.175	2.000	8.8
Cranes, derricks, draglines, shovels, and clamshells.....	2.200	2.000	10.0	Rodmen.....	2.050	1.875	9.3
Graders.....	1.800	1.650	9.1	Finishers.....	2.175	2.000	8.8
Hoist, 1 drum.....	2.000	1.850	8.1	Tile layers.....	1.900	1.900	-----
Le Tourneau.....	2.000	1.850	8.1				
Mixers, 148 and under.....	1.800	1.650	9.1	<i>Helpers and laborers</i>			
Over 148 roller, 8 tons or over.....	2.000	1.850	8.1	Bricklayers' tenders.....	1.450	1.300	11.5
Pumps.....	1.700	1.550	9.7	Mortar mixers.....	1.650	1.400	10.7
Pumpcrete operators.....	2.100	1.950	7.7	Building laborers.....	1.450	1.300	11.5
Rollers, under 8 tons.....	1.800	1.650	9.1	Composition roofers' helpers.....	1.470	1.300	13.1
Tractors, 50 horsepower or less.....	1.500	1.350	11.1	Elevator constructors' helpers.....	1.550	1.450	6.9
Trenching machines.....	1.700	1.550	9.7	Marble setters' helpers.....	1.650	1.300	19.2
Glaziers.....	1.850	1.550	19.4	Plasterers' laborers.....	1.950	1.650	18.2
Lathers.....	2.350	2.000	17.5	Plumbers' laborers.....	1.450	1.300	11.5
Machinists.....	1.900	1.750	8.6	Sign painters' helpers.....	1.730	1.625	6.5
Marble setters.....	2.250	1.900	18.4	Sprinkler fitters' helpers.....	1.350	1.350	-----
Mosaic and terrazzo workers.....	2.150	1.900	13.2	Terrazzo workers' helpers:			
Painters.....	1.900	1.750	8.6	Floor-machine operators.....	1.550	1.400	10.7
Structural steel and swing stage.....	2.050	1.890	8.5	Base-machine operators.....	1.800	1.550	16.1
Spray.....	2.050	1.890	8.5	Tile layers' helpers.....	1.650	1.300	19.2
Paperhangers.....	1.900	1.750	8.6				



TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## SALT LAKE CITY, UTAH

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.840	\$1.600	15.0	Mosaic and terrazzo workers.....	\$2.050	\$1.800	13.9
Boilermakers.....	2.150	1.950	10.3	Painters.....	1.750	1.625	7.7
Bricklayers.....	2.250	2.000	12.5	Swing stage.....	1.875	1.750	7.1
Carpenters.....	1.825	1.625	12.3	Spray gun.....	2.125	2.000	6.3
Floor layers and scrapers.....	1.950	1.750	11.4	Paperhangers.....	1.875	1.750	7.1
Millwrights and saw filers.....	1.950	1.750	11.4	Plasterers.....	2.250	2.000	12.5
Pile drivers.....	2.125	1.860	14.2	Plumbers and gas fitters.....	2.000	1.750	14.3
Cement finishers.....	1.825	1.625	12.3	Pipe fitters.....	2.000	1.750	14.3
Composition floor layers.....	1.950	1.750	11.4	Roofers:			
Finishing-machine operators.....	1.950	1.750	11.4	Composition.....	1.825	1.575	15.9
Electricians (inside wiremen).....	2.000	1.750	14.3	Foremen.....	2.075	1.700	22.1
Elevator constructors.....	2.100	1.810	16.0	Slate and tile.....	1.925	1.575	15.9
Engineers—Power equipment operators:				Sheet-metal workers.....	1.875	1.625	15.4
Air compressors.....	1.650	1.500	10.0	Steam fitters.....	2.000	1.750	14.3
Bulldozers.....	1.900	1.750	8.6	Refrigerator fitters.....	2.000	1.750	14.3
Cranes, derricks, and draglines.....	2.050	1.900	7.9	Structural-iron workers.....	2.000	1.750	14.3
Graders, elevating.....	1.900	1.750	8.6	Ornamental finishers.....	2.000	1.750	14.3
Le Tourneau.....	1.900	1.750	8.6	Rodmen.....	1.875	1.625	15.4
Mixers, concrete:				Tile layers.....	2.050	1.800	13.9
Paving type.....	1.900	1.750	8.6				
Skip type.....	1.650	1.500	10.0	<i>Helpers and laborers</i>			
Pumps.....	1.650	1.500	10.0	Boilermakers' helpers.....	1.850	1.700	8.8
Rollers.....	1.900	1.750	8.6	Bricklayers' tenders.....	1.650	1.500	10.0
Scrapers.....	1.900	1.750	8.6	Building laborers.....	1.275	1.125	13.3
Shovels.....	2.050	1.900	7.9	Concrete laborers.....	1.275	1.125	13.3
Tractors.....	1.900	1.750	8.6	Elevator constructors' helpers.....	1.470	1.270	15.7
Trenching machines.....	1.900	1.750	8.6	Plasterers' laborers.....	1.900	1.650	15.2
Glaziers.....	1.560	1.560	-----	Pipe layers.....	1.400	1.250	12.0
Lathers, wood and metal.....	2.250	2.000	12.5	Plumbers' laborers.....	1.275	1.125	13.3
Machinists.....	2.000	1.750	14.3				
Marble setters.....	2.050	1.800	13.9				

## SAN ANTONIO, TEX.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.875	6.7	Glaziers.....	\$1.750	\$1.500	16.7
Bricklayers.....	2.250	2.125	5.9	Lathers.....	2.500	2.250	11.1
Carpenters.....	1.750	1.625	7.7	Machinists.....	2.120	1.725	22.9
Cement finishers.....	2.250	1.850	21.6	Marble setters.....	2.000	1.750	14.3
Electricians (inside wiremen).....	2.250	2.000	12.5	Mosaic and terrazzo workers.....	2.000	1.750	14.3
Elevator constructors.....	2.175	2.100	3.6	Painters.....	1.750	1.500	16.7
Engineers—Power equipment operators:				Spray and structural steel.....	2.000	1.750	14.3
Air compressors.....	1.500	1.500	-----	Swing stage.....	1.875	1.625	15.4
Bulldozers:				Paperhangers.....	1.750	1.500	16.7
When cutting to finish grade.....	1.750	1.750	-----	Plasterers.....	2.500	2.250	11.1
Except when cutting to finish grade.....	1.500	1.500	-----	Plumbers and gas fitters.....	2.125	2.125	-----
Cranes, derricks, and draglines.....	1.750	1.750	-----	Sheet-metal workers.....	2.250	2.000	12.5
Graders:				Sign painters.....	* 1.063	* 1.063	-----
Blade and elevating self-propelled.....	1.750	1.750	-----	Steam fitters.....	2.125	2.125	-----
Blade and elevating-towed.....	1.500	1.500	-----	Stonemasons.....	2.250	2.125	5.9
Hoists:				Structural- and ornamental-iron workers.....	2.250	2.000	12.5
1 drum.....	1.500	1.500	-----	Rodmen.....	2.000	1.750	14.3
2 drums or more.....	1.750	1.750	-----	Tile layers.....	2.000	1.750	14.3
Locomotive.....	1.750	1.750	-----				
Mixers:				<i>Helpers and laborers</i>			
Under 14 cubic feet.....	1.500	1.500	-----	Bricklayers' tenders.....	1.170	1.000	17.0
14 cubic feet and over.....	1.750	1.750	-----	Hod carriers and mortar mixers.....	1.430	1.250	14.4
Pumps, larger than 2 inches.....	1.500	1.500	-----	Building laborers.....	.900	.750	20.0
Scrapers:				Elevator constructors' helpers.....	1.520	1.470	3.4
3 cubic yards or less.....	1.500	1.500	-----	Plasterers' laborers.....	1.430	1.250	14.4
Over 3 cubic yards.....	1.750	1.750	-----	Plumber's laborers.....	.940	.750	25.3
Tractors, crawler type and wheel type (except when hauling material).....	1.500	1.500	-----				
Trenching machines.....	1.750	1.750	-----				

\* 44-hour workweek.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## SAN DIEGO, CALIF.

Classification	Rate per hour—	Classification	Rate per hour—	Classification	Rate per hour—
	July 1, 1948 <sup>1</sup>		July 1, 1948 <sup>1</sup>		July 1, 1948 <sup>1</sup>
<i>Journeyman</i>		<i>Journeyman—Continued</i>		<i>Journeyman—Continued</i>	
Asbestos workers.....	\$2.250	Engineers—Power equipment operators—Continued		Roofers—Continued	
Boilermakers.....	2.150	Scrapers.....	\$2.038	Slate and tile.....	\$1.90
Bricklayers.....	2.000	Shovels.....	2.238	Sheet-metal workers.....	2.17
Carpenters.....	2.038	Tractors.....	2.038	Sign painters.....	2.25
Caulkers.....	1.770	Scraper or drag type shovel.....	2.413	Steam fitters.....	2.25
Floor layers.....	2.288	Trenching machines.....	2.113	Stonemasons.....	2.00
Cement finishers.....	2.113	Glaziers.....	1.960	Structural-iron workers.....	2.238
Composition or mastic.....	2.113	Lathers.....	\$2.250	Ornamental Rodmen.....	2.113
Electricians (inside wiremen).....	2.375	Marble setters.....	2.200	Tile layers.....	2.200
Elevator constructors.....	2.250	Mosaic and terrazzo workers.....	2.200		
Engineers—Power equipment operators:		Painters.....	2.100	<i>Helpers and laborers</i>	
Air compressors.....	1.788	Over 35 feet and swing stage.....	2.250	Bricklayers' tenders.....	1.750
Bulldozers.....	2.038	Spray.....	\$2.350	Building laborers.....	1.488
Cranes, derricks, and draglines.....	2.238	Paperhangers.....	\$2.225	Elevator constructors' helpers.....	1.400
Graders.....	1.913	Plasterers.....	\$2.250	Marble setters' helpers.....	1.400
Elevating.....	2.163	Plumbers and gas fitters.....	2.250	Plasterers' laborers.....	\$2.050
Mixers, concrete:		Roofers:		Terrazzo workers' helpers.....	1.400
Skip type.....	1.913	Composition.....	1.900	Tile layers' helpers.....	1.400
Paving type and mobile mixers.....	2.138	Foremen.....	2.025		
Pumps.....	1.788				
Concrete.....	1.913				
Rollers.....	1.988				

<sup>1</sup> Data for July 1, 1947 not available.<sup>2</sup> 30-hour workweek.

## SAN FRANCISCO, CALIF.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.900	\$1.900	—	Paperhangers.....	\$2.150	\$2.000	7.5
Boilermakers.....	2.150	1.950	10.3	Plasterers.....	\$2.250	\$2.250	—
Bricklayers.....	2.813	\$2.250	25.0	Plumbers and gas fitters.....	2.375	2.250	5.6
Carpenters.....	2.160	2.000	8.0	Roofers:			
Floor layers.....	2.285	2.125	7.5	Composition.....	2.160	2.000	8.0
Millwrights.....	2.285	2.125	7.5	Foremen.....	2.285	2.125	7.5
Shinglers.....	2.285	2.125	7.5	Slate and tile.....	2.160	2.000	8.0
Cement finishers.....	2.150	2.025	6.2	Sheet-metal workers.....	2.125	2.000	6.3
Composition.....	2.275	2.150	5.8	Sign painters.....	\$2.250	\$2.125	5.9
Machine operators.....	2.275	2.150	5.8	Steam fitters.....	2.375	2.250	5.6
Electricians (inside wiremen) and fixture hangers.....	2.400	2.250	6.7	High pressure.....	2.375	2.250	5.6
Elevator constructors.....	2.370	2.100	12.9	Low pressure.....	2.375	2.250	5.6
Engineers—Power equipment operators:				Oil burner fitters.....	2.375	2.250	5.6
Air compressors.....	1.875	1.750	7.1	Refrigeration fitters.....	2.375	2.250	5.6
Cranes, derricks, and draglines.....	2.375	2.250	5.6	Sprinkler fitters.....	2.375	1.875	26.7
Graders, power.....	2.375	2.250	5.6	Stonemasons.....	2.813	\$2.250	25.0
Holts.....	2.125	2.000	6.3	Structural-iron workers.....	2.400	2.250	6.7
LeTourneau.....	2.375	2.250	5.6	Finishers (ornamental).....	2.250	2.100	7.1
Mixers:				Rodmen.....	2.150	2.000	7.5
Up to 1 yard.....	1.875	1.750	7.1	Tile layers.....	2.375	2.150	10.5
Over 1 yard and paving type.....	2.175	2.050	6.1				
Dual drum.....	2.275	2.150	5.8	<i>Helpers and laborers</i>			
Pumps.....	1.875	1.750	7.1	Boilermakers' helpers.....	1.850	1.700	8.8
Concrete.....	2.175	2.050	6.1	Bricklayers' tenders.....	2.250	\$1.750	28.6
Rollers.....	2.225	2.100	6.0	Building laborers.....	1.525	1.400	8.9
Shovels, power:				Drillers.....	1.775	1.650	7.6
Up to and including 1 yard.....	2.525	2.400	5.2	Sand blasters.....	1.775	1.650	7.6
Over 1 yard.....	2.625	2.500	5.0	Jack-hammer men.....	1.650	1.525	8.2
Tractors.....	2.225	2.100	6.0	Marble setters' helpers.....	1.650	1.428	15.5
Boom.....	2.375	2.250	5.6	Bed rubbers.....	1.713	1.563	9.6
Tandem.....	2.525	2.400	5.2	Carvers.....	2.025	1.875	8.0
Trenching machines.....	2.275	2.150	5.8	Cutters.....	1.900	1.750	8.6
Glaziers.....	2.000	1.875	6.7	Polishers.....	1.650	1.500	10.0
Granite cutters.....	1.875	1.875	—	Plasterers' laborers.....	\$2.100	\$2.000	5.0
Lathers.....	2.813	2.500	12.5	Sign painters' helpers.....	1.750	1.750	—
Machinists.....	2.270	2.150	5.6	Sprinkler fitters' helpers.....	1.450	1.350	7.4
Marble setters.....	2.250	2.000	12.5	Terrazzo workers' helpers.....	1.785	1.625	9.8
Mosaic and terrazzo workers.....	2.250	\$2.150	4.7	Wet-machine men.....	1.785	1.625	9.8
Base-machine operators.....	2.250	\$1.900	18.4	Terrazzo polishers.....	1.785	1.625	9.8
Painters.....	\$2.150	\$2.000	7.5	Tile layers' helpers.....	1.785	1.563	14.4
Structural steel.....	2.150	2.000	7.5				

<sup>3</sup> 30-hour workweek.<sup>4</sup> 35-hour workweek.

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## SANTA FE, N. MEX.

Classification	Rate per hour—	Classification	Rate per hour—	Classification	Rate per hour—
	July 1, 1948 <sup>1</sup>		July 1, 1948 <sup>1</sup>		July 1, 1948 <sup>1</sup>
<i>Journeyman</i>		<i>Journeyman—Continued</i>		<i>Journeyman—Continued</i>	
Asbestos workers.....	\$1.875	Engineers—Power equipment operators—Continued		Painters.....	\$1.750
Carpenters.....	2.000	Pumps.....	\$1.900	Spray.....	2.000
Cement finishers.....	2.250	Rollers.....	1.900	Paperhangers.....	2.000
Engineers—Power equipment operators:		Scrapers.....	1.900	Plasterers.....	2.000
Air compressors.....	1.900	Shovels:		Plumbers and gas fitters.....	2.250
Bulldozers.....	1.900	Under 3 yards.....	2.000	Sign painters.....	2.250
Cranes, derricks, and draglines:		3 yards and over.....	2.250	Steam fitters.....	2.250
Under 3 yards.....	2.000	Tractors:		Structural-iron workers.....	2.250
3 yards and over.....	2.250	35 horsepower and under without attachments.....	1.400	Ornamental.....	2.250
Graders, elevating.....	1.900	Over 35 horsepower or with power attachments.....	1.900	Rodmen.....	2.000
Hoists:		Trenching machines.....	1.900	<i>Helpers and laborers</i>	
1 drum.....	1.900	Glaziers.....	1.750	Bricklayers' tenders.....	1.450
2 drums.....	2.000			Building laborers.....	1.150
Mixers, concrete:				Plasterers' laborers.....	1.450
Under 1 yard.....	1.900				
1 yard and over.....	2.000				

<sup>1</sup> Data for July 1, 1947 not available.

## SAVANNAH, GA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.875	\$1.750	7.1	Machinists.....	\$2.000	\$1.750	14.3
Boilermakers.....	2.000	1.750	14.3	Marble setters.....	2.000	2.000	—
Bricklayers.....	2.000	2.000	—	Mosaic and terrazzo workers.....	2.000	2.000	—
Carpenters.....	1.650	1.500	10.0	Painters:			
Cement finishers.....	1.875	1.500	25.0	Commercial and residential.....	1.575	1.500	5.0
Electricians (inside wiremen).....	1.750	1.500	16.7	Spray.....	3.000	2.925	2.6
Elevator constructors.....	1.800	1.750	2.9	Structural.....	1.825	1.750	4.3
Engineers—Power equipment operators:				Paperhangers.....	1.700	1.625	4.6
Air compressors.....	1.750	1.500	16.7	Plasterers.....	2.000	1.750	14.3
Bulldozers.....	1.750	1.500	16.7	Plumbers and gas fitters.....	2.250	2.000	12.5
Cranes, derricks, and draglines.....	2.000	1.750	14.3	Sheet-metal workers.....	1.750	1.500	16.7
Graders, blade.....	1.500	1.250	20.0	Sign painters.....	1.575	1.500	5.0
Hoists:				Steam fitters.....	2.250	2.000	12.5
1 and 2 drums.....	1.750	1.500	16.7	Stonemasons.....	2.000	2.000	—
3 or more drums.....	2.000	1.750	14.3	Structural- and ornamental-iron workers.....	2.000	1.750	14.3
Mixers:				Rodmen.....	1.750	1.500	16.7
10S or smaller.....	1.500	1.250	20.0	Sheeters.....	2.250	2.000	12.5
Larger than 10S.....	1.750	1.500	16.7	Tile layers.....	2.000	2.000	—
Pumps.....	1.500	1.250	20.0	<i>Helpers and laborers</i>			
Rollers (road).....	1.750	1.500	16.7	Boilermakers' helpers.....	1.750	1.500	16.7
Scrapers, Le Tourneau.....	1.750	1.500	16.7	Bricklayers' tenders.....	.850	.850	—
Shovels.....	2.000	1.750	14.3	Building laborers.....	.750	.750	—
Tractors.....	1.500	1.250	20.0	Elevator constructors' helpers.....	1.200	1.225	2.9
Trenching machines.....	1.750	1.500	16.7	Plasterers' laborers.....	.850	.850	—
Glaziers.....	1.825	1.750	4.3				
Lathers.....	1.750	1.750	—				

## SCHENECTADY, N. Y.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.250	\$2.000	12.5	Engineers—Power equipment operators—Con.			
Carpenters.....	2.000	1.850	8.1	Tractors.....	\$1.855	\$1.655	12.1
Cement finishers.....	2.250	2.100	7.1	Trenching machines.....	2.130	1.930	10.4
Electricians (inside wiremen).....	2.250	2.100	7.1	Lathers.....	2.250	2.100	7.1
Engineers—Power equipment operators:				Painters.....	1.800	1.600	20.0
Air compressors.....	1.680	1.530	9.8	Spray.....	2.175	1.875	16.0
Bulldozers.....	1.855	1.655	12.1	Structural steel.....	2.050	1.750	17.1
Cranes, derricks, and draglines.....	2.180	1.990	10.1	Paperhangers.....	1.800	1.600	20.0
Graders.....	2.130	1.930	10.4	Plasterers.....	2.250	2.000	12.5
Hoists:				Plumbers.....	2.250	2.000	12.5
1 drum.....	1.980	1.780	10.4	Steam fitters.....	2.250	2.000	12.5
2 or more drums.....	2.180	1.980	10.1	Tile layers.....	2.150	1.900	13.2
Le Tourneau.....	2.130	1.930	10.4	<i>Helpers and laborers</i>			
Mixers, concrete.....	1.680	1.530	9.8	Building laborers.....	1.375	1.250	10.0
Pumps.....	1.680	1.530	9.8				
Rollers.....	1.855	1.655	12.1				
Shovels.....	2.180	1.980	10.1				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## SCRANTON, PA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.750	\$1.750		Plumbers.....	\$2.000	\$1.870	7.1
Bricklayers.....	2.500	2.000	25.0	Roofers:			
Carpenters.....	2.000	1.750	14.3	Composition.....	2.000	1.750	14.3
Millwrights.....	2.250	2.000	12.5	Foremen.....	2.125	1.875	13.3
Parquetry floor and bridge.....	2.000	1.750	14.3	Slate and tile.....	2.000	1.750	14.3
Cement finishers.....	2.000	1.750	14.3	Sheet-metal workers.....	1.875	1.750	7.1
Electricians (inside wiremen).....	2.125	2.000	6.3	Steam fitters.....	2.075	1.875	10.7
Elevator constructors.....	2.030	2.000		Stonecutters.....	2.000	1.750	14.3
Engineers—Power equipment operators: <sup>†</sup>				Stonemasons.....	2.500	2.000	25.0
Air compressors.....	2.000	2.000		Structural-iron workers.....	2.650	2.400	10.4
Bulldozers.....	1.875	1.875		Rodmen.....	2.550	2.300	10.9
Cranes, derricks, and draglines.....	2.500	2.600		Tile layers.....	2.250	2.000	12.5
Graders, elevating.....	2.125	2.125					
Hoists.....	2.250	2.250		<i>Helpers and laborers</i>			
Mixers.....	2.125	2.125		Bricklayers' tenders.....	1.400	1.250	12.0
Pumps.....	2.000	2.000		Building laborers.....	1.250	1.100	13.6
Rollers.....	2.000	2.000		Jack-hammer operators.....	1.400	1.250	12.0
Shovels.....	2.500	2.500		Composition roofers' helpers.....	1.375	1.250	10.0
Tractors with scrapers, or carry-alls.....	2.125	2.125		Elevator constructors' helpers.....	1.420	1.420	
Glaziers.....	1.650	1.475	11.9	Marble setters' helpers.....	1.250	1.250	
Lathers.....	2.125	1.750	21.4	Plasterers' laborers.....	1.400	1.250	12.0
Marble setters.....	2.250	2.000	12.5	Plumbers' laborers.....	1.250	1.100	13.6
Mosaic and terrazzo workers.....	2.250	2.000	12.5	Terrazzo workers' helpers.....	1.250	1.250	
Painters.....	1.750	1.750		Machine runners.....	2.000	2.000	
Paperhangers.....	1.750	1.750		Tile layers' helpers.....	1.250	1.250	
Plasterers.....	2.250	2.000	12.5				

<sup>†</sup> Weekly unit basis; rates for engineers paid on a daily unit basis is 25 cents higher.

## SEATTLE, WASH.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.165	\$2.035	6.4	Lathers, metal, wood, and wire.....	\$2.265	\$2.135	6.1
Boilermakers.....	2.150	1.950	10.3	Machinists.....	2.065	2.050	.7
Bricklayers.....	2.365	2.235	5.8	Marble setters.....	2.265	2.135	6.1
Sewer and tunnel.....	2.490	2.360	5.4	Mosaic and terrazzo workers.....	2.115	1.985	6.5
Carpenters.....	2.065	1.935	6.7	Painters.....	2.065	1.935	6.7
Boommen.....	2.165	2.035	6.4	Structural steel.....	2.190	2.060	6.3
Floor layers.....	2.165	2.035	6.4	Spray.....	2.065	2.000	3.3
Pile drivers, bridge and dock.....	2.115	1.985	6.6	Paperhangers.....	2.065	1.935	6.7
Shinglers.....	2.155	2.025	6.4	Plasterers.....	2.365	2.235	5.8
Cement finishers.....	2.065	1.935	6.7	Plumbers.....	2.500	2.340	6.8
Composition and mastic floor layers.....	2.115	1.985	6.5	Roofers:			
Electricians (inside wiremen) and fixture hangers.....	2.265	2.135	6.1	Composition, flat.....	2.065	1.935	6.7
Elevator constructors.....	2.320	2.080	11.5	Composition, steep.....	2.155	2.025	6.4
Engineers—Power equipment operators:				Foremen.....	2.280	2.150	6.0
Air compressors:				Slate and tile.....	2.155	2.025	6.4
Excavating.....	1.950	1.700	14.7	Sheet-metal workers.....	2.215	2.085	6.2
Steel erection.....	2.200	1.950	12.8	Sign painters.....	2.365	2.235	5.8
Bulldozers.....	2.150	1.900	13.2	Steam fitters.....	2.500	2.340	6.8
Cranes, derricks, and draglines.....	2.500	2.200	13.6	Refrigeration.....	2.500	2.200	13.6
Graders, motor patrol power.....	2.150	1.900	13.2	Stonemasons.....	2.365	2.235	5.8
Hoists.....	2.200	1.950	12.8	Structural-iron workers.....	2.265	2.135	6.1
LeTourneau.....	2.150	1.900	13.2	Rodmen.....	2.065	1.935	6.7
Mixers.....	2.200	1.950	12.8	Tile layers.....	2.115	1.985	6.5
Paving.....	2.300	2.050	12.2				
Dual.....	2.450	2.200	11.4	<i>Helpers and laborers</i>			
Pumps.....	2.200	1.950	12.8	Boilermakers' helpers.....	1.850	1.700	8.8
Water.....	2.050	1.800	13.9	Bricklayers' tenders.....	1.915	1.785	7.3
Rollers:				Building laborers.....	1.665	1.535	8.5
On plant mix material.....	2.200	1.950	12.8	Elevator constructors' helpers.....	1.624	1.466	11.5
On other than plant mix.....	1.900	1.660	15.2	Marble setters' helpers.....	1.665	1.540	8.1
Scrapers, carry-all type:				Plasterers' laborers.....	1.915	1.785	7.3
Single.....	2.150	1.900	13.2	Plumbers' laborers.....	1.665	1.535	8.5
Tandem.....	2.300	2.050	12.2	Sign painters' helpers.....	1.920	1.790	7.3
Shovels.....	2.500	2.200	13.6	Terrazzo workers' helpers.....	1.665	1.540	8.1
120-B type capacity.....	2.800	2.500	12.0	Machine.....	1.715	1.600	7.2
Trenching machines:				Tile layers' helpers.....	1.665	1.540	8.1
Under 16 inches.....	2.200	1.950	12.8				
16 inches and over.....	2.400	2.150	11.6				
Glaziers (outside work).....	1.960	1.885	4.0				
Inside work.....	1.960	1.750	12.0				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## SOUTH BEND, IND.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.150	\$1.900	13.2	Painters.....	\$1.950	\$1.700	14.7
Boilermakers.....	2.350	2.000	17.5	Paperhangers.....	1.950	1.700	14.7
Bricklayers.....	2.400	2.100	14.3	Plasterers.....	2.250	2.000	12.5
Ground hog workers, sewer, tunnel, and caisson work.....	2.650	2.350	12.7	Plumbers and gas fitters.....	2.200	1.950	12.8
Carpenters.....	2.100	1.850	13.5	Roofers:			
Millwrights.....	2.100	1.850	13.5	Composition.....	2.150	1.900	13.2
Parquetry floor layers.....	2.100	1.850	13.5	Foremen.....	2.300	2.050	12.2
Wharf and bridge.....	2.100	1.850	13.5	Slate and tile.....	2.150	1.900	13.2
Cement finishers.....	2.100	1.850	13.5	Steeple work.....	2.300	2.050	12.2
Electricians (inside wiremen) and fixture hangers.....	2.200	1.950	12.8	Sheet-metal workers.....	2.200	1.950	12.8
Elevator constructors.....	2.270	2.010	12.9	Sign painters.....	1.900	1.750	8.6
Engineers—Power equipment operators:				Steam fitters.....	2.200	1.950	12.8
Air compressors.....	1.900	1.650	15.1	Stonemasons.....	2.400	2.100	14.3
Bulldozers.....	2.050	1.750	17.1	Structural-iron workers.....	2.300	2.050	12.2
Cranes, derricks, and draglines.....	2.300	2.050	12.2	Rodmen.....	2.300	2.050	12.2
Hoists:				Finishers.....	2.300	2.050	12.2
1 drum.....	2.050	1.750	17.1	Machine movers and riggers.....	2.300	2.050	12.2
2 or more drums.....	2.300	2.050	12.2	Fence erectors.....	2.300	2.050	12.2
Mixers:				Tile layers.....	2.400	2.100	14.3
Less than 21 inches.....	2.050	1.750	17.1				
21 inches and over.....	2.300	2.050	12.2	<i>Helpers and laborers</i>			
Pumps.....	1.900	1.650	15.1	Bricklayers' tenders.....	1.550	1.300	19.2
Rollers.....	1.900	1.650	15.1	Mortar mixers.....	1.700	1.450	17.2
Shovels.....	2.300	2.050	12.2	Building laborers.....	1.550	1.300	19.2
Tractors.....	1.900	1.650	15.1	Composition roofers' helpers.....	1.600	1.400	14.3
Trenching machines.....	2.300	2.050	12.2	Elevator constructors' helpers.....	1.550	1.405	13.2
Glaziers.....	1.900	1.750	8.6	Marble setters' helpers.....	1.550	1.500	3.3
Lathers.....	2.250	2.000	12.5	Plasterers' laborers.....	1.700	1.450	17.2
Marble setters.....	2.400	2.100	14.3	Tile layers' helpers.....	1.750	1.500	16.7
Mosaic and terrazzo workers.....	2.400	2.100	14.3				

## SPOKANE, WASH.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.870	\$1.870	-----	Painters.....	\$1.850	\$1.850	-----
Boilermakers.....	1.870	1.750	6.9	Spray.....	2.200	2.200	-----
Bricklayers.....	2.260	2.250	-----	Structural steel.....	2.100	2.100	-----
Carpenters.....	1.850	1.850	-----	Paperhangers.....	1.850	1.850	-----
Millwrights.....	2.260	2.000	13.0	Plasterers.....	2.500	2.250	11.1
Cement finishers.....	2.250	2.000	12.5	Plumbers and gas fitters.....	2.500	2.340	6.8
Electricians (inside wiremen).....	2.150	2.000	7.5	Roofers:			
Elevator constructors.....	2.200	2.140	2.8	Composition.....	1.850	1.675	10.4
Engineers—Power equipment operators:				Foremen.....	2.100	1.925	9.1
Air compressors.....	1.500	1.500	-----	Slate and tile.....	1.850	1.675	10.4
2 or more.....	1.650	1.650	-----	Sheet-metal workers.....	2.250	2.000	12.5
Bulldozers.....	1.850	1.850	-----	Steam fitters.....	2.250	2.250	-----
Cranes, derricks, and draglines.....	2.000	2.000	-----	Stonemasons.....	2.250	2.000	12.5
Graders, elevating.....	1.850	1.850	-----	Structural-iron workers.....	2.000	2.000	-----
Hoists:				Finishers.....	2.000	2.000	-----
1 drum.....	1.650	1.650	-----	Rodmen.....	1.800	1.800	-----
Steel erection or 2 or 3 drums.....	1.900	1.900	-----	Tile layers.....	2.000	2.000	-----
LeTourneau, 13 yards or under.....	1.850	1.850	-----				
Mixers, concrete.....	1.650	1.650	-----	<i>Helpers and laborers</i>			
Paving type.....	1.900	1.900	-----	Bricklayers' tenders.....	1.550	1.550	-----
Pumps.....	1.500	1.500	-----	Brickmason, under 14 feet.....	1.550	1.550	-----
Rollers:				Building laborers.....	1.350	1.350	-----
Finishing high type pavement.....	1.750	1.750	-----	Cement mixers, laborers.....	1.550	1.550	-----
Grade and surfacing.....	1.500	1.500	-----	Clay and concrete pipe layers.....	1.550	1.550	-----
Shovels.....	2.000	2.000	-----	Finegraders and concrete crew.....	1.450	1.450	-----
Tractors.....	1.850	1.850	-----	Jack-hammer men.....	1.550	1.550	-----
Trenching machines.....	1.900	1.900	-----	Marble setters' helpers.....	1.550	1.550	-----
Glaziers.....	1.900	1.535	23.8	Plasterers' laborers.....	2.100	1.850	13.5
Lathers.....	2.300	2.050	12.2	Terrazzo workers' helpers.....	1.550	1.550	-----
Marble setters.....	2.100	2.100	-----	Tile layers' helpers.....	1.550	1.550	-----
Mosaic and terrazzo workers.....	2.000	2.000	-----				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## SPRINGFIELD, MASS.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.200	\$1.925	14.3	Paperhangers.....	\$1.875	\$1.750	7.1
Bricklayers.....	2.325	2.100	10.7	Plasterers.....	2.325	2.100	10.7
Carpenters.....	1.875	1.750	7.1	Plumbers and gas fitters.....	2.200	1.925	14.3
Cement finishers.....	2.325	2.100	10.7	Roofers:			
Electricians (inside wiremen).....	2.200	1.925	14.3	Composition.....	2.000	1.800	11.1
Elevator constructors.....	2.250	1.860	21.0	Slate and tile.....	2.200	1.925	14.3
Engineers—Power equipment operators:				Sheet-metal workers.....	2.200	1.925	14.3
Air compressors:				Sign painters.....	1.875	1.750	7.1
225 feet and under.....	1.350	1.150	17.4	Steam fitters.....	2.200	1.925	14.3
315 feet and over.....	1.700	1.400	21.4	Stonemasons:			
Bulldozers.....	1.700	1.500	13.3	Inside.....	1.750	1.500	16.7
Cranes, derricks, and draglines.....	2.150	1.900	13.2	Outside.....	2.100	1.750	20.0
Graders.....	1.700	1.500	13.3	Stonemasons.....	2.325	2.100	10.7
Hoists:				Structural-iron workers.....	2.300	2.025	13.6
Under 3 drums.....	1.700	1.500	13.3	Finishers, ornamental.....	2.300	2.025	13.6
3 or more drums.....	2.150	1.900	13.2	Rodmen.....	2.300	2.025	13.6
Mixers:				Tile layers.....	2.325	2.100	10.7
Small.....	1.250	1.050	19.0				
Road.....	2.150	1.700	26.5	<i>Helpers and laborers</i>			
Pumps.....	1.700	1.500	13.3	Bricklayers' tenders.....	1.500	1.375	9.1
Rollers.....	1.700	1.400	21.4	Building laborers.....	1.250	1.150	8.7
Scrapers.....	1.750	1.650	6.1	Elevator constructors' helpers.....	1.500	1.290	23.3
Shovels.....	2.150	1.900	13.2	Marble setters' helpers.....	1.600	1.375	16.4
Glaziers.....	2.000	1.875	6.7	Plasterers' laborers.....	1.500	1.375	9.1
Lathers.....	2.100	1.875	12.0	Terrazzo workers' helpers.....	1.600	1.375	16.4
Marble setters.....	2.325	2.100	10.7	Tile layers' helpers.....	1.600	1.375	16.4
Mosaic and terrazzo workers.....	2.325	2.100	10.7				
Painters.....	1.875	1.750	7.1				
Fresco.....	1.875	1.750	7.1				
Structural and steel.....	1.875	1.750	7.1				

## SYRACUSE, N. Y.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.100	7.1	Glaziers.....	\$1.800	\$1.650	9.1
Bricklayers.....	2.350	2.100	11.9	Lathers.....	2.250	2.000	12.5
Carpenters.....	1.950	1.850	5.4	Marble setters.....	2.200	1.950	12.8
Cement finishers.....	2.000	1.900	5.3	Mosaic and terrazzo workers.....	2.200	1.950	12.8
Electricians (inside wiremen).....	2.350	2.200	6.8	Painters.....	1.800	1.650	9.1
Elevator constructors.....	2.210	2.030	8.9	Spray.....	1.950	1.800	8.3
Engineers—Power equipment operators:				Structural steel.....	2.050	1.900	7.9
Air compressors.....	1.850	1.700	8.8	Plasterers.....	2.250	2.000	12.5
Bulldozers.....	1.850	1.700	8.8	Plumbers.....	2.250	2.100	7.1
Cranes, derricks, and draglines.....	2.400	2.250	6.7	Roofers:			
Graders, power.....	1.950	1.800	8.3	Composition.....	2.000	1.850	8.1
Hoists:				Foremen.....	2.250	2.100	7.1
1 drum.....	2.150	2.000	7.5	Slate and tile and damp waterproofing.....	2.000	1.850	8.1
2 and 3 drums.....	2.400	2.250	6.7	Sheet-metal workers.....	2.000	1.850	8.1
Mixers:				Sign painters.....	1.950	1.800	8.3
21E and over.....	2.150	2.000	7.5	Steam fitters.....	2.250	2.100	7.1
Under 21E.....	1.850	1.700	8.8	Structural-iron workers.....	2.150	2.000	7.5
Pumps:				Tile layers.....	2.200	1.950	12.8
4 inches and over.....	2.150	2.000	7.5				
Under 4 inches.....	1.850	1.700	8.8	<i>Helpers and laborers</i>			
Rollers.....	1.950	1.800	8.3	Building laborers.....	1.250	1.200	4.2
Scrapers.....	2.150	2.000	7.5	Elevator constructors' helpers.....	1.550	1.420	9.2
Shovels.....	2.400	2.250	6.7	Steamfitters' helpers.....	1.400	1.250	12.0
Tractors.....	1.850	1.700	8.8				
Trenching machines.....	2.150	2.000	7.5				

## TOLEDO, OHIO

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.250	\$2.000	12.5	Engineers—Power equipment operators—Con.			
Boilermakers, welders (mechanics).....	2.400	2.250	6.7	Bulldozers.....	\$2.150	\$2.000	7.5
Bricklayers.....	2.400	2.250	6.7	Cranes, derricks, and draglines.....	2.400	2.250	6.7
Carpenters.....	2.175	2.000	8.8	Graders (power and elevating).....	2.150	2.000	7.5
Floor layers, pile drivers, wharf and bridge and millwrights.....	2.175	2.000	8.8	Hoists (hoisting engines).....	2.150	2.000	7.5
Cement finishers.....	2.400	2.220	8.1	Mixers:			
Electricians (inside wiremen).....	2.400	2.250	6.7	1 bag capacity with side loader.....	2.025	1.875	8.0
Electricians (inside wiremen).....	2.400	2.250	6.7	Paving (double drum).....	2.400	2.250	6.7
Fixture hangers.....	2.250	2.100	7.1	Paving 27E and over (single drum).....	2.150	2.000	7.5
Elevator constructors.....	2.395	2.240	6.9	Pumps (over 4-inch capacity discharge).....	2.025	1.875	8.0
Engineers—Power equipment operators:				Rollers:			
Air compressors:				Asphalt.....	2.025	1.875	8.0
On building construction.....	2.025	1.875	8.0	Brick, grade and macadam.....	1.825	1.675	9.0
Plant operation.....	2.150	2.000	7.5	Scrapers and power scoops.....	2.150	2.000	7.5
Portable.....	1.825	1.675	9.0	Shovels.....	2.400	2.250	6.7
Steel.....	2.400	2.250	6.7				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## TOLEDO, OHIO—Continued

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman—Continued</i>				<i>Journeyman—Continued</i>			
Engineers—Power equipment operators—Con.				Sheet-metal workers	\$2.125	\$1.975	7.6
Tractors (pulling sheepfoot roller or grader)	\$1.825	\$1.675	9.0	Sign painters	2.100	2.000	5.0
Trenching machines	2.150	2.000	7.5	Steam fitters	2.375	2.190	8.4
Glaziers	1.900	1.700	11.8	Stonemasons	2.400	2.250	6.7
Lathers	2.400	2.250	6.7	Structural-iron workers	2.400	2.250	6.7
Marble setters, caulkers	2.400	2.250	6.7	Finishers	2.400	2.250	6.7
Mosaic and terrazzo workers	2.250	2.000	12.5	Rodmen	2.205	2.020	8.6
Painters	2.025	1.875	8.0	Tile layers	2.250	2.000	12.5
Spray	2.300	2.025	13.6	<i>Helpers and laborers</i>			
Brush, over 30 feet	2.325	2.125	9.4	Bricklayers' tenders	1.720	1.545	11.3
Spray, over 30 feet	2.600	2.275	14.3	Building laborers	1.600	1.425	12.3
Steel	2.025	1.875	8.0	Elevator constructors' helpers	1.680	1.568	7.1
Swing scaffold	2.275	2.125	7.1	Marble setters' helpers	1.600	1.500	6.7
Rigger brush, over 30 feet	2.275	2.125	7.1	Plasterers' laborers	1.770	1.595	11.0
Paperhangers	2.025	1.875	8.0	Plumbers' laborers:			
Plasterers	2.400	2.250	6.7	Pipe layers by machine	1.835	1.660	10.5
Plumbers and gas fitters	2.375	2.190	8.4	Pipe layers by hand	1.835	1.660	10.5
Roofers:				Terrazzo workers' helpers	1.600	1.400	14.3
Composition and build-up moppers	2.125	1.975	7.6	Base grinders	1.725	1.525	13.1
Foremen	2.375	2.225	6.7	Tile layers' helpers	1.600	1.400	14.3
Slate and tile	2.125	1.975	7.6				

## TULSA, OKLA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers	\$1.750	\$1.500	16.7	Painters	\$2.000	\$1.750	14.3
Boilermakers	2.000	2.000		Paperhangers	2.000	1.750	14.3
Bricklayers	2.500	2.250	11.1	Plasterers	2.500	2.250	11.1
Carpenters	2.000	1.850	8.1	Plumbers and gas fitters	2.250	2.000	12.5
Cement finishers	2.250	2.000	12.5	Sheet-metal workers	1.875	1.875	
Electricians (inside wiremen)	2.250	2.025	11.1	Sign painters	2.000	1.750	14.3
Elevator constructors	2.280	2.040	11.8	Steam fitters	2.250	2.000	12.5
Engineers—Power equipment operators:				Stonemasons	2.500	2.250	11.1
Light equipment	1.750	(*)		Structural and ornamental iron-workers	1.875	1.750	7.1
Heavy equipment (except derrick operators)	2.000	(*)		Rodmen	1.875	1.750	7.1
Derrick operators	2.250	(*)		Tile layers	2.500	2.250	11.1
Glaziers	1.850	1.750	5.7	<i>Helpers and laborers</i>			
Lathers:				Bricklayers' tenders	1.250	1.150	8.7
Commercial	2.500	2.000	25.0	Building laborers	1.100	1.000	10.0
Residential	2.250	2.000	12.5	Elevator constructors' helpers	1.596	1.428	11.8
Marble setters	2.500	2.250	11.1				
Mosaic and terrazzo workers	2.500	2.250	11.1				

\* Not available.

## WASHINGTON, D. C.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers	\$2.313	\$2.125	8.8	Plasterers	\$2.500	\$2.250	11.1
Boilermakers	2.250	2.000	12.5	Plumbers and gas fitters	2.250	2.125	5.9
Bricklayers	2.375	2.375		Roofers:			
Carpenters	2.250	2.050	9.8	Composition	1.700	1.550	9.7
Cement finishers	2.100	1.875	12.0	Foremen	2.050	1.900	7.9
Electricians (inside wiremen)	2.375	2.250	5.6	Slate and tile	2.250	2.000	12.5
Elevator constructors	2.400	2.250	6.7	Sheet-metal workers	2.500	2.150	16.3
Engineers—Power equipment operators:				Sign painters	2.000	2.000	
Air compressors	1.975	1.850	6.8	Steam fitters	2.250	2.125	5.9
Bulldozers	1.775	1.650	7.6	Refrigeration and oil burner fitters, 5 horse-power or less	1.875	1.750	7.1
Cranes, derricks, and draglines	2.375	2.250	5.6	Sprinkler fitters	2.000	2.000	
Graders, blade	1.775	1.650	7.6	Stonemasons	2.750	2.375	15.8
Hoists:				Structural-iron workers	2.625	2.400	9.4
1 drum	2.125	2.000	6.3	Rodmen	2.200	2.000	10.0
2 drums	2.375	2.250	5.6	Tile layers	2.375	2.000	18.8
Mixers	1.975	1.850	6.8	<i>Helpers and laborers</i>			
Pumps	1.975	1.850	6.8	Bricklayers' tenders	1.275	1.125	13.3
Rollers	1.775	1.650	7.6	Building laborers	1.250	1.200	4.2
Shovels	2.375	2.250	5.6	Composition roofers' helpers	1.250	1.100	13.6
Tractors	1.775	1.650	7.6	Elevator constructors' helpers	1.680	1.570	7.0
Trenching machines	2.125	2.000	6.3	Marble setters' helpers	1.500	1.375	9.1
Glaziers	2.000	1.900	10.0	Plasterers' laborers	1.750	1.500	16.7
Lathers	2.500	2.250	11.1	Plumbers' laborers	1.350	1.250	8.0
Machinists	2.250	2.250		Sprinkler fitters' helpers	1.350	1.350	
Marble setters	2.625	2.250	16.7	Terrazzo workers' helpers	1.750	1.500	16.7
Mosaic and terrazzo workers	2.375	2.000	18.8	Tile layers' helpers	1.750	1.500	16.7
Painters	2.180	1.950	11.8				
Bridge, structural steel and spray	2.500	2.250	11.1				
Paperhangers	2.180	1.950	11.8				

TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## WICHITA, KANS.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.000	\$1.750	14.3	Sheet-metal workers.....	\$1.875	\$1.650	13.6
Bricklayers.....	2.250	2.000	12.5	Sign painters.....	1.750	1.500	16.7
Carpenters.....	1.750	1.655	5.7	Steam fitters.....	2.150	1.875	14.7
Electricians (inside wiremen).....	2.000	1.750	14.3	Stonemasons.....	2.250	2.000	12.5
Elevator constructors.....	2.105	1.770	18.9	Structural-iron workers.....	1.875	1.750	7.1
Lathers.....	2.250	2.000	12.5	Rodmen.....	1.575	1.625	15.4
Marble setters.....	2.000	2.000	-----	Tile layers.....	2.000	2.000	-----
Mosaic and terrazzo workers.....	2.000	2.000	-----	<i>Helpers and laborers</i>			
Painters.....	1.650	1.500	10.0	Bricklayers' tenders.....	1.250	1.125	11.1
Spray.....	2.000	1.750	14.3	Hod carriers.....	1.250	1.125	11.1
Stage and structural steel.....	1.775	1.625	9.2	Building laborers.....	1.125	1.000	12.5
Paperhangers.....	1.775	1.625	9.2	Elevator constructors' helpers.....	1.475	1.240	19.0
Plasterers.....	2.500	1.875	33.3	Plasterers' laborers.....	1.250	1.125	11.1
Plumbers and gas fitters.....	2.150	1.875	14.7	Mortar mixers.....	1.250	1.125	11.1
Roofers:				Tile layers' helpers.....	1.250	1.125	11.1
Composition.....	1.750	1.550	12.9				
Foremen.....	1.900	1.625	16.9				
Slate and tile.....	1.750	1.625	7.7				

## WORCESTER, MASS.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Bricklayers.....	\$2.350	\$2.150	9.3	Sign painters.....	\$1.650	\$1.500	10.0
Carpenters.....	1.875	1.625	15.4	Steam fitters.....	2.000	1.650	21.2
Millwrights.....	1.875	1.625	15.4	Structural-iron workers.....	2.250	2.000	12.5
Cement finishers.....	2.350	2.150	9.3	Rodmen.....	2.250	2.000	12.5
Electricians (inside wiremen).....	2.000	1.900	5.3	Finishers, ornamental.....	2.250	2.000	12.5
Elevator constructors.....	1.980	1.740	12.6	Tile layers.....	2.350	2.150	9.3
Glaziers.....	1.650	1.500	10.0	<i>Helpers and laborers</i>			
Lathers.....	2.250	2.000	12.5	Bricklayers' tenders.....	1.400	1.200	16.7
Marble setters.....	2.350	2.150	9.3	Building laborers.....	1.300	1.100	18.2
Mosaic and terrazzo workers.....	2.350	2.150	9.3	Elevator constructors' helpers.....	1.370	1.220	12.3
Painters.....	1.650	1.500	10.0	Plasterers' laborers.....	1.400	1.200	16.7
Paperhangers.....	1.650	1.500	10.0				
Plasterers.....	2.350	2.150	9.3				
Plumbers.....	2.000	1.800	11.1				

## YORK, PA.

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$1.940	\$1.725	12.5	Plasterers.....	\$1.875	\$1.875	-----
Boilermakers.....	2.000	1.875	6.1	Plumbers.....	1.750	1.500	16.7
Bricklayers.....	2.125	1.875	13.2	Roofers:			
Carpenters.....	1.625	1.500	8.3	Composition.....	1.275	1.150	10.9
Cement finishers.....	1.750	1.750	-----	Foremen and mopmen.....	1.625	1.400	8.9
Electricians (inside wiremen).....	1.857	1.750	7.1	Slate and tile.....	1.625	1.500	8.3
Engineers—Power equipment operators: †				Sheet-metal workers.....	2.000	1.750	14.3
Air compressors.....	2.000	2.000	-----	Sign painters.....	1.450	1.450	-----
Bulldozers.....	1.875	1.875	-----	Steam fitters.....	1.750	1.500	16.7
Cranes, derricks, and draglines.....	2.500	2.500	-----	Stonemasons.....	2.125	1.875	13.3
Graders, elevating.....	2.125	2.125	-----	Tile layers.....	2.125	1.875	13.3
Hoists.....	2.250	2.250	-----	<i>Helpers and laborers</i>			
Mixers.....	2.125	2.125	-----	Bricklayers' tenders.....	1.375	1.250	10.0
Pumps.....	2.000	2.000	-----	Building laborers.....	1.075	.950	13.2
Rollers.....	2.000	2.000	-----	Jack-hammer operators.....	1.375	1.250	10.0
Shovels.....	2.500	2.500	-----	Composition roofers' helpers.....	.850	.850	-----
Tractors with scrapers, or carry-alls.....	2.125	2.125	-----	Marble setters' helpers.....	1.275	1.150	10.9
Machinists.....	2.090	1.975	6.1	Plasterers' laborers.....	1.375	1.250	10.0
Marble setters.....	2.125	1.875	13.3	Steam fitters' helpers.....	1.200	1.100	9.1
Mosaic and terrazzo workers.....	2.125	1.875	13.3	Terrazzo workers' helpers.....	1.275	1.150	10.9
Painters.....	1.450	1.350	7.4	Tile layers' helpers.....	1.275	1.150	10.9
Structural iron.....	1.700	1.600	6.3				
Spray.....	1.950	1.850	5.4				
Paperhangers.....	1.450	1.350	7.4				

† Weekly unit basis; rates for engineers paid on a daily unit basis is 25 cents higher.



TABLE 14.—Union scales of wages for building trades in 82 cities, July 1, 1948, and July 1, 1947—Continued

[Hours per week 40, unless otherwise indicated]

## YOUNGSTOWN, OHIO

Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948	Classification	Rate per hour—		Percent change July 1, 1947, to July 1, 1948
	July 1, 1948	July 1, 1947			July 1, 1948	July 1, 1947	
<i>Journeyman</i>				<i>Journeyman—Continued</i>			
Asbestos workers.....	\$2.125	\$2.000	6.3	Paperhangers.....	\$2.000	\$1.750	14.3
Bricklayers.....	2.500	2.250	11.1	Plasterers.....	2.375	2.125	11.8
Carpenters.....	2.125	1.875	6.7	Plumbers and gas fitters.....	2.250	2.000	12.5
Millwrights.....	2.375	2.125	11.8	Roofers:			
Parquetry floor layers.....	2.000	1.875	6.7	Composition.....	2.000	1.750	14.3
Pile drivers.....	2.375	2.125	11.8	Foremen.....	2.125	2.000	6.3
Cement finishers.....	2.000	1.875	6.7	Slate and tile.....	2.000	1.750	14.3
Electricians (inside wiremen).....	2.250	2.000	12.5	Sheet-metal workers.....	2.125	1.875	13.3
Elevator constructors.....	2.275	2.000	13.8	Sign painters.....	2.000	1.900	5.3
Engineers—Power equipment operators:				Steam fitters.....	2.250	2.000	12.5
Air compressors.....	1.938	1.688	14.8	Pipe welders.....	2.250	2.000	12.5
Bulldozers.....	2.125	1.750	21.4	Stonemasons.....	2.500	2.250	11.1
Cranes, derricks, and draglines.....	2.300	2.000	15.0	Structural-iron workers.....	2.250	2.000	12.5
Graders.....	1.938	1.688	14.8	Rodmen.....	2.250	2.000	12.5
Hoists:				Finishers, ornamental.....	2.250	2.000	12.5
1 drum.....	2.125	1.750	21.4	Electric welders.....	2.250	2.000	12.5
1 drum—35 feet or more or 2 drums.....	2.300	2.000	15.0	Sheeters.....	2.500	2.250	11.1
Mixers.....	1.938	1.688	14.8	Tile layers.....	2.000	1.750	14.3
Pumps, 4 inches or over.....	1.938	1.688	14.8				
Rollers.....	1.938	1.688	14.8	<i>Helpers and laborers</i>			
Scrapers.....	1.938	1.688	14.8	Bricklayers' tenders.....	1.550	1.300	19.2
Shovels.....	2.300	2.000	15.0	Building laborers.....	1.450	1.200	20.8
Tractors.....	1.938	1.688	14.8	Elevator constructors' helpers.....	1.590	1.400	13.6
Glaziers.....	2.000	1.900	5.3	Marble setters' helpers.....	1.500	1.375	9.1
Lathers (wood, wire, and metal).....	2.375	2.125	11.8	Plasterers' laborers.....	1.650	1.300	26.9
Marble setters.....	2.000	1.750	14.3	Plumbers' laborers.....	1.550	1.300	19.2
Mosaic and terrazzo workers.....	2.000	1.750	14.3	Terrazzo workers' helpers.....	1.500	1.375	9.1
Painters.....	2.000	1.750	14.3	Tile layers' helpers.....	1.500	1.375	9.1
Swing scaffold.....	2.125	1.875	13.3				
Spray.....	2.425	2.175	11.5				