

Union Wages and Hours: Building Trades

July 1, 1947

Bulletin No. 930

UNITED STATES DEPARTMENT OF LABOR

L. B. SCHWELLENBACH, *Secretary*

BUREAU OF LABOR STATISTICS

EWAN CLAGUE, *Commissioner*



Letter of Transmittal

UNITED STATES DEPARTMENT OF LABOR,
BUREAU OF LABOR STATISTICS,
Washington, D. C., February 25, 1948.

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, 1947. This report was prepared in the Bureau's Wage Analysis Division by Hilda W. Callaway.

EWAN CLAGUE, *Commissioner.*

Hon. L. B. SCHWELLENBACH,
Secretary of Labor.

Contents

	Page
Summary.....	1
The individual trades.....	1
City and regional levels.....	2
Scope and method of study.....	3
Tables:	
1. Indexes of union hourly wage rates in all building trades, 1907 to 1947.....	4
2. Indexes of union hourly wage rates in each building trade, 1907 to 1947.....	4
3. Union wage rates and wage movements in the building trades, by trade, July 1, 1946, to July 1, 1947.....	5
4. Distribution of union members in the building trades, by hourly wage rates, July 1, 1947.....	6
5. Percent of union members affected by wage rate changes and extent of increases, July 1, 1947 compared with July 1, 1946.....	6
6. Percent of increase in union wage rates for selected building trades in each city, July 1, 1946 to July 1 1947.....	7
7. Average union hourly wage rates in the building trades, by city and population group, July 1, 1947.....	8
8. Average union hourly wage rates in selected building trades by regional and population group, and by trade, July 1, 1947.....	9
9. Indexes of union weekly hours in all building trades, 1907 to 1947.....	9
10. Indexes of union weekly hours in each building trade, 1907 to 1947.....	10
11. Distribution of union members in building trades, by straight-time weekly hours, July 1, 1947.....	11
12. Union scales of wages for building trades in 75 cities, July 1, 1947 and July 1, 1946.....	12

(II)

Union Wages and Hours in the Building Trades, July 1, 1947

Summary

Basic hourly wage rates of union workers in the building construction industry increased almost 15 percent between July 1, 1946, and July 1, 1947, according to reports received by the Bureau of Labor Statistics in the course of its annual union wage surveys. The increase, amounting to about 25 cents an hour, brought the general average of minimum pay for more than 700,000 union tradesmen to \$1.91, 48 percent above the 1939 average.

Higher wage scales negotiated through collective bargaining between July 1, 1947, and January 2, 1948, resulted in a gain of about 3 percent for all trades combined; the further increases in wage rates primarily affected journeymen. In this 6-month period, the average rate of pay for painters increased more than 4 percent—about 8 cents an hour—the largest gain reported for an individual trade. While the amounts of increase ranged from 2½ to 56 cents an hour, 40 percent of the tradesmen whose pay scales were boosted received from 25 to 30 cents an hour, and 26 percent from 10 to 15 cents. Wage rates of about half of the union electricians and a third of the carpenters and brush painters were advanced. Electricians generally received 12½- or 25-cent hourly increases, carpenters most frequently gained 25 cents. Over half of the painters whose rates advanced were in New York City, and they received 30 cents an hour. Larger increases affected relatively few workers—a small number of bricklayers, painters, plasterers, and plumbers. The highest pay rate advance for building laborers was 20 cents, the lowest 2½ cents, but the most common amounts received were either 5 or 15 cents.

From June 1, 1939 to July 1, 1945, during the wartime period of substantial general wage and price changes in American industry, hourly rates of union workers in the building trades rose 16 percent. In the following year July 1, 1945, to July 1, 1946, rates advanced about 11 percent; practically all of the higher pay scales became effective after the end of the war in August 1945. Union efforts to improve basic rates and working conditions, coupled with sharp increases in the

cost of living and demand for labor, led to further rate changes following the removal of wage controls on November 9, 1946. The increase of 15 percent between 1946 and 1947 is the largest annual gain since 1920. On July 1, 1947, the index of hourly wage rates for all building trades was 147.9 (1939=100); for journeymen 144.6, and for helpers and laborers 171.1.¹

Throughout the 8-year period from 1939 to 1947, the index of weekly hours prior to payment of overtime rates for all building trades has shown only slight annual variations, usually of less than 1 percent. The typical maximum schedule on July 1, 1947, was a 5-day, 40-hour week, despite the return to shorter workweeks of 30 and 35 hours for some trades in several cities. Roughly, 8,500 workers benefited by a lower schedule. Agreements to work longer hours without premium pay because of the current heavy construction program were rarely reported and covered only a negligible number of the union members in the industry. However, even in the peak months of construction activity during the past year, the standard work schedules have been disrupted by widespread shortages of lumber, steel, and other building materials, as well as by adverse weather and other conditions peculiar to the industry. Hours worked by all employees (union and non-union, skilled, unskilled, time clerks, etc.) on private on-site construction projects averaged 37.9 per week in July 1947.² Average weekly hours were about the same in the preceding year.

The Individual Trades

The over-all average hourly rate on July 1, 1947, for journeymen was \$2.04; for helpers and laborers, \$1.31. Union rates of carpenters and building laborers, the two most important crafts numerically, averaged \$2 and \$1.23, respectively.

¹ In the index series designed for trend determination purposes, year-to-year changes in union scales are based on comparable quotations for the various occupations in both years. All rates reported for the current year are used in computing the averages, and thus, they are not an exact measure for time-to-time comparisons.

² Source: Monthly Labor Review—Current Labor Statistics, table C-3.

Bricklayers were at the top of the wage ladder with an average of \$2.37, while composition roofers had the lowest minimum among journeymen, \$1.89. In the helper and laborer classifications, average minimum rates varied from \$1.63 for terrazzo workers' helpers to \$1.10 for composition roofers' helpers.

Composition roofers, journeymen and helpers, have typically had the lowest average rate among the trades studied by the Bureau, and bricklayers and plasterers usually had the highest journeyman rate. Because of the expanded construction program, scarcity of labor and competitive bidding for skilled workmen, rate differentials between journeyman, and helper and laborer trades were considerably greater in 1947 than in 1946. It should be noted, however, that the contrasts which follow reflect, to some extent, the increased number of union members benefiting by higher scales in 1947 than in 1946 as well as changes in the contract scales.³ For example: In all cities combined on July 1, 1947, there was a 48-cent difference between the average rates for bricklayers and composition roofers. In 1946, the rate differential between the two journeyman trades was 44 cents; bricklayers averaged \$2.06 and composition roofers, \$1.62. Similarly, the difference between the average rates of terrazzo workers' helpers and composition roofers' helpers was greater in 1947 than in 1946; 53 as compared with 37 cents. If comparisons are drawn between journeyman and helper classifications the maximum difference in cents an hour is more pronounced. To illustrate, the differential in rates of bricklayers and bricklayers' tenders in 1947 was 92 cents; in 1946, 82 cents.

The extent of increase in hourly wage rates between July 1, 1946 and July 1, 1947 for the individual trades studied was at least 10 percent; and for 16 occupations, more than 15 percent. While only 3 percent (about 20,000) of all the workers studied did not receive a wage increase, the only trade in which the entire membership in all cities received wage boosts was plumbers and gas fitters. The contract scale for some of the trades in many cities was increased several times within a 12-month period, reflecting rapid increases

³ In computing average rates and net changes, the individual rates for 1946 and 1947 were weighted by the membership working or available for work at each rate. Larger percentage increases will be reflected among those trades and cities with relatively low wage scales which result in smaller cents-per-hour increases in the rates.

in costs of consumers' goods and a fairly tight labor market. In Newark, N. J., for example, the union rate for building laborers was \$1.40 on July 1, 1946, 15 cents above the July 1945 rate. On July 25, 1946, the Wage Adjustment Board approved an increase of 10 cents an hour. By January 1, 1947, the rate had advanced to \$1.55 and by July 1, to \$1.75. Electricians (inside wiremen) in Indianapolis provide another illustration with rates of \$1.70, \$1.85, \$1.95, and \$2.10 in effect on July 1, 1946, in August and November 1946 and May 1947, respectively.⁴ By contrast, from July 1, 1941, until July 1, 1946, the union rate of the Indianapolis electricians was increased only 20 cents an hour; for the Newark building laborers the net change was 27½ cents.

City and Regional Levels

Because collective bargaining is at the local level in the industry there is no consistent pattern in the relationship of rates from one city to another except where the jurisdiction of unions are fairly extensive and cover a State or several adjacent cities. Unions with a large proportion of the local craftsmen affiliated, of course, have a more favorable bargaining position and consequently negotiate higher wage rates. This explains in part the fact that rates are typically higher in the larger cities and in the North and Pacific region.

The level of rates for the various trades is directly associated with the size and location of the city. However, the relative positions of the cities within designated population groups is not the same except in the cases of New York City, Chicago, Newark, and Butte, Mont. Historically, union members in New York City and Newark have had a higher minimum rate than those in other cities and in many trades a shorter workweek. In 1947, the over-all average for building-trades workers in New York City and Newark, was \$2.43 and \$2.38, respectively. Chicago has been second to New York City, among the cities with over 1,000,000 population.

On the other hand, Butte, Mont., has a unique position. The wage level in Butte, probably the most highly unionized city surveyed with less than 100,000 population is outstanding since its average rate exceeds the level of some cities in every size

⁴ These rates are obtained through the Bureau's periodic surveys of seven selected building trades.

class. Rates for journeymen, for example, averaging \$1.98, were topped only in 17 of the major cities surveyed. The Butte average for helpers and laborers of \$1.34 was 21 cents higher than the level in Philadelphia and, in all, fell below the level in 21 cities which were all located in the North and Pacific region.

Portland, Maine, had the lowest city average for journeymen (\$1.53) but there were 16 other cities, primarily in the Southeast, with average rates below \$1.75. There were also 15 Southern cities in which the average rate for helpers and laborers was less than \$1; Jackson, Miss., with a rate of 74 cents was lowest among the 75 cities studied.

Dallas and Los Angeles showed the greatest relative gain over the year for all trades combined, more than 22 percent. Every trade in the 2 cities registered an increase of at least 10 cents, and the numerically important carpenters negotiated wage increases of 40 cents an hour. Lowest percentage gains were recorded for Portland, Maine, (3 percent) and Pittsburgh, Pa. (8 percent). In both cities, the rise in journeyman rates was comparatively small and among the helper and laborer occupations, less than 1 percent. In all but 19 widely scattered cities, the percentage increases in rates of helpers and laborers were greater than for journeymen. Twelve of the nineteen cities were located in the Southern region where the degree of unionization among the helpers and laborers has generally been lower than among the journeymen crafts.

Regional comparisons can be made only for cities in 3 smaller size groups, III (250,000 to 500,000 population); IV (100,000 to 250,000 population); and V (40,000 to 100,000 population), since all cities with a population of 500,000 or more are located in the North and Pacific region. In each size class, union rates in the North and Pacific region are substantially above the average for all trades in the South and Southwest area. More-

over, with the exception of journeymen in group III cities and helpers and laborers in group V, rate differences between the 2 regions were greater in 1947 than in 1946. Because of shifts in union membership which may occur and would, of course, influence the level of rates, these comparisons only afford a rough approximation of regional differences. The differential in favor of helpers and laborers in group IV cities (100,000 to 250,000) of the North and Pacific region was 40 cents in 1947 as compared with 24 cents in 1946. Although there was also an over-all difference of 10 cents in smaller cities (group V) in 8 individual trades the Southern union workers had an advantage of 1 to 12 cents. This is due in part to the relatively lower wage level in Portland, Maine; York, Pa.; and Manchester, N. H., than in the Southern cities included in the group.

Scope and Method of Study

This bulletin is based on effective union scales as of July 1, 1947, covering 570,284 journeymen and 131,062 helpers and laborers employed in 75 cities ranging in population from 40,000 to over 1,000,000. Union scales are defined as the minimum wage rate or maximum schedule of hours agreed upon through collective bargaining between employers and trade unions. 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.

Data were obtained primarily from mail questionnaires instead of through visits of field representatives to local union officials, the collection technique formerly used by the Bureau. Within a 6-week period, over four-fifths of the 1,499 union officials included in the survey returned completed reports and most sent copies of their signed agreement with employers which specified their basic wage scale. Data from the local union officials who did not respond were collected by field representatives.

TABLE 1.—Indexes of union hourly wage rates in all building trades, 1907 to 1947

[June 1, 1939=100]

Year	All trades	Journeyman	Helpers and laborers	Year	All trades	Journeyman	Helpers and laborers
1907	29.3	29.7	27.3	1927	91.3	91.7	86.4
1908	31.2	31.6	28.5	1928	91.9	92.4	87.3
1909	32.7	33.2	29.5	1929	93.1	93.6	88.8
1910	34.0	34.6	30.5	1930	97.0	97.5	93.3
1911	34.5	35.2	30.6	1931	97.3	97.8	92.8
1912	35.3	36.0	30.9	1932	83.1	83.6	79.2
1913	36.1	36.9	31.8	1933	80.8	81.4	75.7
1914	36.9	37.7	32.1	1934	81.4	81.8	77.9
1915	37.2	38.0	32.4	1935	82.4	82.8	78.3
1916	38.4	39.3	33.5	1936	85.3	85.5	82.9
1917	40.8	41.5	36.8	1937	91.2	91.4	90.1
1918	45.3	45.9	42.6	1938	99.3	99.3	99.2
1919	51.9	52.4	49.3	1939	100.0	100.0	100.0
1920	70.0	70.1	71.5	1940	101.6	101.4	102.0
1921	71.3	71.4	72.2	1941	105.3	105.0	106.8
1922	66.9	67.3	65.7	1942	111.9	110.9	117.5
1923	73.9	74.2	69.7	1943	112.7	111.5	118.9
1924	79.8	80.1	75.4	1944	113.6	112.4	120.3
1925	82.9	83.1	77.9	1945	116.0	114.4	125.9
1926	88.3	88.7	84.9	1946	129.3	126.8	146.3
				1947	147.9	144.6	171.1

TABLE 2.—Indexes of union hourly wage rates in each building trade, 1907 to 1947

[June 1, 1939=100]

Year	Asbestos workers	Boiler-makers	Brick-layers	Car-penters	Cement finishers	Electricians (inside wire-men)	Elevator constructors	Glaziers	Lathers	Machinists	Marble setters	Mosaic and terrazzo workers	Painters	Paper-hangers	Plas-terers
1907			37.7	29.8	34.5	27.9					37.1		26.2		37.3
1908			38.7	31.7	34.4	30.5					37.5		29.0		37.2
1909			39.5	33.4	35.4	31.5					37.7		31.0		37.5
1910			40.2	35.0	35.8	32.4					38.2		33.0		37.9
1911			40.2	35.5	37.2	32.8					38.6		33.6		38.1
1912			40.8	36.3	37.2	33.1					38.7		34.0		38.9
1913			41.5	36.8	38.0	33.8		33.8	34.6		38.7		35.5		39.3
1914			42.5	37.4	38.4	34.9	38.2	35.2	35.2		41.7		36.7		39.4
1915			42.6	37.8	38.8	35.6	38.4	35.7	35.7		42.1		36.9		39.6
1916	36.1		43.0	39.0	39.1	36.3	39.4	36.7	36.7		42.3	35.1	40.3		41.0
1917	38.0		44.5	42.4	41.4	38.7	42.2	38.1	38.1		42.3	36.9	41.5		42.2
1918	42.5		47.8	47.1	45.7	43.0	44.9	40.6	41.2		44.5	39.9	45.8		44.5
1919	51.7		53.1	54.2	41.2	49.3	52.3	43.4	45.8		49.5	42.9	53.6		51.3
1920	67.2		72.4	72.5	69.6	65.0	67.2	62.8	65.3		65.4	63.4	73.0		67.0
1921	68.1		71.9	73.1	71.9	67.3	70.7	63.9	66.3		66.5	64.6	75.1		70.7
1922	63.4		70.0	67.7	66.7	63.5	66.1	64.0	62.3		65.1	62.7	70.3		67.9
1923	65.8		79.2	75.5	73.0	65.9	70.2	67.9	68.8		73.6	64.2	77.1		75.6
1924	73.4		83.8	80.8	80.7	73.6	78.8	71.6	74.2		77.0	75.8	81.2		84.7
1925	76.4		88.7	82.5	81.1	77.4	82.6	79.6	80.9		78.6	79.7	85.7		86.1
1926	81.7		94.1	88.5	86.6	81.5	87.0	80.7	83.0		87.9	81.4	90.9		92.4
1927	85.7		96.4	91.4	90.4	84.9	90.2	86.2	86.3		89.8	84.7	93.9		94.4
1928	86.3		97.2	91.7	89.5	85.7	91.1	87.2	86.6		90.2	88.7	95.4		94.6
1929	90.3		99.4	93.2	89.5	89.3	91.3	88.5	85.9		96.6	93.0	95.2		93.5
1930	95.4		101.8	96.9	95.4	90.9	95.6	92.6	89.5		96.9	97.4	100.6		98.1
1931	96.4		101.6	97.1	95.8	92.1	96.1	93.2	89.1		97.4	98.2	101.0		97.9
1932	80.3		87.0	79.6	83.6	87.9	89.4	78.0	80.0		89.2	91.4	85.3		81.4
1933	80.1		84.7	79.4	81.6	80.3	83.1	77.9	77.1		86.2	83.3	83.6		78.2
1934	80.0		85.0	80.8	82.4	80.4	83.3	82.5	79.1		85.8	84.5	82.3		79.1
1935	81.0		83.7	81.8	82.9	84.3	83.4	83.3	80.0		86.4	84.5	82.6		80.0
1936	84.3		84.2	86.0	85.0	86.5	84.4	84.5	82.0		86.9	84.7	86.8		80.5
1937	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	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	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	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	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	112.5	109.9	108.3	112.5	110.8	113.5	109.7	108.8	109.1	108.5	103.8	104.6	110.5	112.3	105.0
1943	112.3	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	113.3	110.1	108.7	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	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	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	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

TABLE 2.—Indexes of union hourly wage rates in each building trade, 1907 to 1947—Continued

[June 1, 1939=100]

Year	Plumbers and gas fitters	Rodmen	Roofers—composition	Roofers—slate and tile	Sheet-metal workers	Steam and sprinkler fitters	Stonemasons	Structural-iron workers ¹	Tile layers	Bricklayers' tenders	Building laborers	Composition roofers' helpers	Plasterers' laborers	Plumbers' laborers	Tile layers' helpers
1907	33.3				30.6	30.1	33.9	27.9		30.3	30.8		31.3		
1908	33.7				31.3	30.5	34.4	30.4		30.3	31.0		32.7		
1909	34.2				31.4	34.7	34.5	32.6		30.4	31.3		33.0		
1910	34.5				32.3	32.2	34.8	34.7		30.9	32.3		33.2		
1911	36.5				33.3	33.2	35.2	35.5		31.2	32.4		33.2		
1912	36.7				34.1	33.8	35.5	36.1	40.1	31.4	32.7		33.6		32.3
1913	37.9				35.6	35.0	36.7	37.3	42.1	31.8	34.2		34.4		32.9
1914	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	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	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	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	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	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	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	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	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	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	76.3		72.3	83.6	78.2	74.5	82.5	74.6	82.7	70.2	82.7		78.9		78.9
1925	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	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	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	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	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	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	92.6		92.9	99.1	96.2	94.0	99.6	93.4	99.2	94.6	91.5		96.9		97.0
1932	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	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	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	81.8		83.0	85.7	81.9	80.8	82.2	81.8	83.6	79.9	78.0		79.1		84.5
1936	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	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	99.1	99.0	99.7	99.0	98.6	99.3	99.7	98.9	99.9	99.7	99.4	99.7	99.2	97.2	99.7
1939	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	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	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	110.5	111.0	116.1	113.1	116.0	109.3	108.0	108.7	106.6	115.7	119.6	118.8	110.1	118.3	109.5
1943	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	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	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	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	142.9	142.0	153.8	141.0	146.8	139.1	145.0	136.3	149.3	165.6	177.9	153.7	154.0	162.9	160.8

¹ Included rodmen prior to 1940.

TABLE 3.—Union wage rates and wage movements in the building trades, by trade, July 1, 1946, to July 1, 1947

Trade	Amount of increase July 1, 1946, to July 1, 1947		Range of rates		Average rate per hour July 1, 1947	Trade	Amount of increase July 1, 1946, to July 1, 1947		Range of rates		Average rate per hour July 1, 1947
	Percent	Cents per hour	Low	High			Percent	Cents per hour	Low	High	
All trades	14.4	24			\$1.91	Journeyman—Continued					
Journeyman	14.0	25			2.04	Roofers, composition	16.3	27	\$1.15	\$2.75	\$1.89
Asbestos workers	11.1	20	\$1.20	\$2.30	1.99	Roofers, slate and tile	11.0	19	1.90	2.50	1.92
Boilermakers	11.7	22	1.75	2.50	2.09	Sheet-metal workers	10.4	19	1.37	2.50	1.99
Bricklayers	15.6	32	1.75	2.75	2.37	Steam and sprinkler fitters	11.6	22	1.65	2.34	2.11
Carpenters	15.4	27	1.25	2.50	2.00	Stonemasons	14.6	29	1.75	2.75	2.24
Cement finishers	12.5	22	1.37	2.75	1.97	Structural-iron workers	12.3	23	1.67	2.50	2.12
Electricians (inside wiremen)	12.8	24	1.50	2.50	2.11	Tile layers	17.0	31	1.62	2.50	2.12
Elevator constructors	14.5	27	1.65	2.50	2.09	Helpers and laborers	17.0	19			1.31
Glaziers	15.0	25	1.25	2.50	1.90	Bricklayers' tenders	16.9	21	.80	1.78	1.45
Lathers	16.3	31	1.50	3.00	2.24	Building laborers	16.9	18	.70	1.78	1.23
Machinists	15.7	28	1.65	2.50	2.03	Composition roofers' helpers	10.6	11	.75	1.30	1.10
Marble setters	14.0	25	1.62	2.50	2.07	Elevator constructors' helpers	15.9	20	1.16	1.85	1.47
Mosaic and terrazzo workers	17.5	31	1.55	2.50	2.10	Marble setters' helpers	13.1	21	.90	1.65	1.34
Painters	11.9	20	1.25	2.50	1.91	Plasterers' laborers	13.2	25	.80	2.10	1.58
Paperhangers	13.9	24	1.25	2.15	1.92	Plumbers' laborers	14.6	17	.75	1.66	1.34
Plasterers	17.1	33	1.62	3.00	2.27	Terrazzo workers' helpers	19.4	28	.90	2.00	1.63
Plumbers and gas fitters	16.0	30	1.75	2.85	2.20	Tile layers' helpers	22.8	29	.80	2.00	1.54
Rodmen	12.4	22	1.50	2.50	1.96						

TABLE 4.—Distribution of union members in the building trades, by hourly wage rates, July 1, 1947

Trade	Average rate per hour	Percent of union journeymen whose rates (in cents) per hour were—																
		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 under 240	240 and under 250	250 and under 260	260 and under 270	270 and under 280	280 and over
Journemen.....	\$2.044	0.1	0.2	0.5	2.1	5.0	5.9	10.8	13.5	21.0	17.2	10.4	2.0	0.4	8.5	(¹)	1.8	0.6
Asbestos workers.....	1.985	2.0	---	1.6	.5	.4	14.3	8.6	10.5	26.9	18.0	7.8	9.4	---	---	---	---	---
Boilermakers.....	2.092	---	---	---	---	---	1.4	.1	30.2	36.1	11.7	2.7	---	---	17.8	---	---	---
Bricklayers.....	2.370	---	---	---	---	---	.5	.7	1.0	10.6	7.6	37.5	6.1	3.5	3.1	---	29.4	---
Carpenters.....	2.000	(¹)	.1	.8	2.5	8.5	4.4	13.7	20.6	20.0	11.9	2.4	---	---	15.1	---	---	---
Cement finishers.....	1.970	---	---	---	---	---	4.5	4.6	31.2	15.6	16.1	12.5	1.7	9.3	.3	---	---	---
Electricians (inside wiremen)	2.105	---	---	---	---	---	.5	4.2	8.8	4.6	17.0	30.0	32.4	.6	---	1.6	---	---
Elevator constructors.....	2.085	---	---	---	---	---	.4	6.4	6.6	13.8	27.6	21.6	12.8	5.6	---	---	5.2	---
Glaziers.....	1.899	.1	1.8	1.7	10.2	8.2	14.2	27.8	6.7	7.2	---	---	10.7	---	---	---	11.4	---
Lathers.....	2.243	---	---	---	---	---	.5	1.8	1.8	2.3	16.9	9.1	45.1	7.5	---	---	8.6	6.2
Machinists.....	2.083	---	---	---	---	---	8.2	5.2	9.5	.7	8.4	53.0	4.3	---	4.1	---	6.6	---
Marble setters.....	2.068	---	---	---	---	---	.3	8.3	2.7	17.0	33.4	16.3	10.9	---	---	---	11.1	---
Mosaic and terrazzo workers.....	2.097	---	---	---	---	---	.2	8.0	4.6	17.9	22.3	26.9	---	---	---	---	19.9	---
Painters.....	1.913	.4	.8	.1	4.7	6.0	14.8	13.1	11.5	27.9	18.7	1.9	(¹)	---	---	---	1.1	---
Paperhangers.....	1.919	.9	.7	.3	3.9	4.4	14.2	21.3	8.6	19.5	26.2	---	---	---	---	---	---	---
Plasterers.....	2.269	---	---	---	---	---	.1	.7	4.1	.7	15.4	13.0	49.2	---	---	4.5	2.2	10.1
Plumbers and gas fitters.....	2.204	---	---	---	---	---	1.8	2.4	3.8	20.4	30.5	19.5	2.2	---	---	13.8	---	5.6
Roofers, composition.....	1.890	.8	2.2	5.2	6.0	9.2	18.8	12.3	13.0	10.5	2.5	7.4	---	7	1.3	8.1	2.0	---
Roofers, slate and tile.....	1.915	---	8.3	7.5	4.5	6.6	13.4	12.4	3.8	10.9	4.8	8.5	3.6	---	---	15.7	---	---
Sheet-metal workers.....	1.992	---	.1	---	1.6	4.7	5.9	13.3	22.0	22.8	15.9	2.9	8.8	---	---	2.0	---	---
Steam and sprinkler fitters.....	2.109	---	---	---	---	---	.3	1.7	2.5	2.8	28.0	42.0	11.4	11.8	---	---	---	---
Stonemasons.....	2.240	---	---	---	---	---	(¹)	.5	.5	39.9	4.3	25.0	7.9	---	---	8.2	13.7	---
Structural-iron workers.....	2.115	---	---	---	---	---	.5	3.7	9.2	8.2	22.1	21.8	19.6	.1	4.4	---	10.4	---
Rodmen.....	1.963	---	---	---	3.6	7.6	17.1	10.0	16.2	16.0	6.9	14.1	---	---	---	3.0	---	---
Tile layers.....	2.117	---	---	---	---	---	.5	9.2	1.9	9.3	23.4	22.8	13.5	---	---	19.4	---	---

Trade	Average rate per hour	Percent of union helpers and laborers whose rates (in cents) per hour were—													
		70 and 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 over
Helpers and laborers.....	\$1.306	2.6	2.4	7.9	0.9	18.8	10.2	21.8	11.1	12.5	3.0	6.2	0.2	1.0	1.4
Bricklayers' tenders.....	1.463	---	4.4	.2	1.6	8.6	10.3	9.7	14.1	17.8	8.8	24.5	---	---	---
Building laborers.....	1.233	3.5	1.9	10.7	.8	23.2	10.9	26.8	10.3	9.2	(¹)	2.7	---	---	---
Composition roofers' helpers.....	1.102	16.5	2.0	13.2	4.1	17.0	8.6	38.6	---	---	---	---	---	---	---
Elevator constructors' helpers.....	1.465	---	---	---	---	---	.3	7.1	17.4	34.0	31.3	5.8	---	4.1	---
Marble setters' helpers.....	1.338	---	---	5.2	.2	18.9	10.4	19.8	17.7	22.6	5.2	---	---	---	---
Plasterers' laborers.....	1.583	---	5.1	1.2	.5	5.2	6.5	5.1	8.4	23.0	7.8	9.6	2.3	9.9	15.4
Plumbers' laborers.....	1.337	3.7	.5	5.0	.5	19.5	10.9	13.0	5.5	23.9	17.5	---	---	---	---
Terrazzo workers' helpers.....	1.632	---	---	.9	1.7	1.3	1.7	7.8	10.5	17.8	17.1	9.7	1.9	29.2	.4
Tile layers' helpers.....	1.539	---	.1	2.0	.1	8.3	6.7	8.2	13.8	20.0	21.5	---	---	3.6	15.7

¹ Less than 0.05 of 1 percent.

TABLE 5.—Percent of union members affected by wage rate changes and extent of increases, July 1, 1947 compared with July 1, 1946

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 percent and over
All building trades.....	2.8	97.2	1.1	17.6	38.4	20.1	9.0	8.4	2.6
Journemen.....	2.3	97.7	1.3	19.9	39.5	19.9	7.5	8.1	1.5
Asbestos workers.....	2.9	97.1	9.4	28.7	36.8	6.0	13.6	2.6	---
Boilermakers.....	.1	99.9	(¹)	14.5	85.1	---	.3	---	---
Bricklayers.....	.8	99.2	.7	9.5	48.2	---	32.8	2.0	---
Carpenters.....	2.6	97.4	---	16.2	30.1	6.0	31.4	3.3	14.8
Cement finishers.....	4.1	95.9	---	28.5	34.3	20.4	11.3	.8	.6
Electricians (inside wiremen)	1.6	98.4	.5	24.6	53.5	3.0	14.9	1.0	.9
Elevator constructors.....	1.3	98.7	7.0	19.7	28.4	17.6	14.8	9.7	1.5
Glaziers.....	1.2	98.8	---	32.8	22.1	26.2	.9	.7	16.1
Lathers.....	5.1	94.9	.3	19.5	30.4	11.5	11.5	15.3	6.4
Machinists.....	1.1	98.9	4.4	10.0	17.1	50.1	5.7	6.8	4.8
Marble setters.....	4.6	95.4	.7	13.4	39.8	27.4	13.3	.5	.3
Mosaic and terrazzo workers.....	1.5	98.5	---	11.9	32.3	18.0	5.9	23.7	6.7
Painters.....	1.5	98.5	1.4	33.8	39.9	18.9	3.6	.1	.8
Paperhangers.....	1.4	98.6	.1	17.6	39.6	34.5	3.7	1.5	1.6
Plasterers.....	3.7	96.3	---	8.9	38.3	13.0	20.0	5.0	11.1
Plumbers and gas fitters.....	---	100.0	---	11.0	51.5	7.7	9.6	19.4	.8
Roofers, composition.....	2.2	97.8	.2	22.0	34.6	8.0	14.1	10.2	8.7

¹ Less than 0.05 of 1 percent.

TABLE 5.—Percent of union members affected by wage rate changes and extent of increases, July 1, 1947, compared with July 1, 1946—Continued

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 percent and over
Roofers, slate and tile.....	10.2	89.8	7.1	19.7	36.1	11.1	15.3	.3	.2
Sheet-metal workers.....	3.4	96.6	8.8	16.0	61.5	9.2	.9	.2	-----
Steam and sprinkler fitters.....	.9	99.1	9.0	17.7	51.7	13.6	6.2	.1	.8
Stonemasons.....	.2	99.8	-----	37.9	23.5	4.7	23.4	10.3	-----
Structural-iron workers.....	7.0	93.0	-----	26.8	41.8	7.9	10.1	6.4	-----
Rodmen.....	1.7	98.3	-----	34.9	40.9	13.1	5.4	3.6	.4
Tile layers.....	3.0	97.0	(1)	17.3	24.3	19.1	15.9	20.1	.3
Helpers and laborers.....	5.4	94.6	.1	7.6	33.5	20.9	15.4	9.5	7.6
Bricklayers' tenders.....	4.5	95.5	.1	2.9	30.0	37.6	17.9	4.2	2.8
Building laborers.....	4.9	95.1	-----	8.2	35.3	18.8	15.8	7.8	9.2
Composition roofers' helpers.....	26.1	73.9	8.1	-----	36.6	19.6	7.1	2.5	-----
Elevator constructors' helpers.....	1.2	98.8	3.5	22.6	22.5	15.5	15.8	17.1	1.8
Marble setters' helpers.....	2.7	97.3	-----	7.3	32.6	5.0	24.5	23.5	4.4
Plasterers' laborers.....	7.5	92.5	.6	4.8	32.2	11.5	13.3	28.5	1.6
Plumbers' laborers.....	14.2	85.8	-----	1.1	37.7	27.7	6.7	6.2	6.4
Terrazzo workers' helpers.....	3.6	96.4	-----	9.7	13.5	17.0	13.4	40.9	1.9
Tile layers' helpers.....	1.5	98.5	-----	10.9	24.1	6.3	5.1	32.5	19.6

¹ Less than 0.05 of 1 percent.

TABLE 6.—Percent of increase in union wage rates for selected building trades in each city, July 1, 1946 to July 1, 1947

City	Percent of increase			City	Percent of increase		
	All trades	Journeymen	Helpers and laborers		All trades	Journeymen	Helpers and laborers
All cities.....	14.4	14.0	17.0	Mobile, Ala.....	12.6	10.4	33.1
Atlanta, Ga.....	16.2	17.3	1.0	Nashville, Tenn.....	10.4	11.9	.1
Baltimore, Md.....	13.3	12.8	15.2	Newark, N. J.....	12.1	11.0	22.2
Binghamton, N. Y.....	19.0	19.0	-----	New Haven, Conn.....	17.2	16.3	20.6
Birmingham, Ala.....	10.4	10.7	8.7	New Orleans, La.....	12.1	12.0	12.3
Boston, Mass.....	13.4	12.8	17.8	New York, N. Y.....	17.0	16.6	20.9
Buffalo, N. Y.....	8.5	7.8	11.8	Norfolk, Va.....	13.3	13.2	16.8
Butte, Mont.....	11.5	11.0	12.6	Oklahoma City, Okla.....	15.5	15.9	13.9
Charleston, S. C.....	11.8	13.3	-----	Omaha, Nebr.....	16.0	12.7	40.9
Charleston, W. Va.....	15.4	13.3	24.0	Peoria, Ill.....	15.4	13.5	21.6
Charlotte, N. C.....	13.8	13.7	33.0	Philadelphia, Pa.....	11.8	12.6	8.9
Chicago, Ill.....	10.9	10.8	14.9	Phoenix, Ariz.....	13.2	12.4	14.2
Cincinnati, Ohio.....	10.9	10.5	13.1	Pittsburgh, Pa.....	7.6	8.4	.7
Cleveland, Ohio.....	18.6	18.5	19.5	Portland, Maine.....	3.4	4.4	.1
Columbus, Ohio.....	19.7	18.6	28.1	Portland, Oreg.....	13.4	12.8	17.2
Dallas, Tex.....	24.2	25.1	17.2	Providence, R. I.....	13.8	12.6	19.5
Dayton, Ohio.....	14.4	13.5	22.6	Reading, Pa.....	15.0	14.9	15.4
Denver, Colo.....	12.2	11.0	14.6	Richmond, Va.....	21.1	21.1	6.9
Des Moines, Iowa.....	12.9	12.6	14.2	Rochester, N. Y.....	12.7	12.3	14.2
Detroit, Mich.....	13.1	12.4	22.9	Rock Island (Ill.) District ²	16.8	16.5	19.5
Duluth, Minn.....	12.9	12.4	15.6	St. Louis, Mo.....	15.0	15.0	14.9
El Paso, Tex.....	16.8	16.8	-----	St. Paul, Minn.....	10.9	10.1	13.2
Erie, Pa.....	14.4	14.0	17.5	Salt Lake City, Utah.....	13.5	10.1	24.8
Grand Rapids, Mich.....	17.6	17.1	23.7	San Antonio, Tex.....	13.6	13.3	17.2
Houston, Tex.....	12.9	12.0	18.8	San Francisco, Calif.....	13.9	14.2	12.2
Indianapolis, Ind.....	17.4	16.4	23.6	Scranton, Pa.....	19.8	20.0	19.0
Jackson, Miss.....	16.6	16.8	15.6	Seattle, Wash.....	16.1	15.8	19.8
Jacksonville, Fla.....	15.2	15.9	(1)	South Bend, Ind.....	10.6	10.1	12.7
Kansas City, Mo.....	9.6	9.2	12.3	Spokane, Wash.....	17.4	17.4	17.3
Little Rock, Ark.....	9.9	10.0	7.8	Springfield, Mass.....	10.7	10.1	13.3
Los Angeles, Calif.....	22.9	22.0	30.5	Tampa, Fla.....	9.2	10.2	(1)
Louisville, Ky.....	12.6	11.5	20.9	Toledo, Ohio.....	16.9	14.2	25.9
Madison, Wis.....	15.4	13.7	28.4	Washington, D. C.....	9.7	9.1	13.4
Manchester, N. H.....	11.3	10.6	17.0	Wichita, Kans.....	14.7	14.9	13.5
Memphis, Tenn.....	10.6	11.0	8.6	Worcester, Mass.....	12.2	12.5	9.7
Milwaukee, Wis.....	13.2	12.9	14.7	York, Pa.....	14.7	13.6	17.3
Minneapolis, Minn.....	12.3	11.6	15.7	Youngstown, Ohio.....	8.7	8.5	11.5

¹ Less than 0.05 of 1 percent.

² Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 7.—Average union hourly wage rates in the building trades, by city and population group, July 1, 1947

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>Journeyman—Continued</i>		<i>Helpers and laborers—Continued</i>	
Population group I (over 1,000,000):		Population group IV—Continued		Population group III—Continued	
New York, N. Y.	\$2.431	Des Moines, Iowa	\$1.821	Kansas City, Mo.	\$1.364
<i>Average for group I</i>	<i>2.189</i>	Erie, Pa.	1.821	Portland, Oreg.	1.362
Chicago, Ill.	2.158	<i>Average for group IV</i>	<i>1.812</i>	St. Paul, Minn.	1.329
Philadelphia, Pa.	2.086	Richmond, Va.	1.765	Cincinnati, Ohio	1.293
Detroit, Mich.	2.051	Worcester, Mass.	1.758	Rochester, N. Y.	1.290
Los Angeles, Calif.	1.967	Duluth, Minn.	1.705	Indianapolis, Ind.	1.261
Population group II (500,000 to 1,000,000):		Population group V (40,000 to 100,000):		<i>Average for group III</i>	
St. Louis, Mo.	2.133	Wichita, Kans.	1.701	Columbus, Ohio	1.214
Cleveland, Ohio	2.109	Salt Lake City, Utah	1.689	Providence, R. I.	1.208
Washington, D. C.	2.109	Nashville, Tenn.	1.678	Louisville, Ky.	1.134
Pittsburgh, Pa.	2.099	Jacksonville, Fla.	1.652	Dallas, Tex.	1.016
Buffalo, N. Y.	2.061	Norfolk, Va.	1.629	New Orleans, La.	.913
San Francisco, Calif.	2.050	Tampa, Fla.	1.569	Houston, Tex.	.991
<i>Average for group II</i>	<i>2.049</i>	Charlotte, N. C.	1.566	San Antonio, Tex.	.882
Boston, Mass.	1.971	Population group III (250,000 to 500,000):		Memphis, Tenn.	.880
Baltimore, Md.	1.970	Butte, Mont.	1.980	Birmingham, Ala.	.871
Milwaukee, Wis.	1.833	Charleston, W. Va.	1.937	Atlanta, Ga.	.796
Population group III (250,000 to 500,000):		Charleston, N. Y.	1.807	Population group IV (100,000 to 250,000):	
Newark, N. J.	2.383	Phoenix, Ariz.	1.807	Spokane, Wash.	1.420
Toledo, Ohio	2.081	Madison, Wis.	1.755	Peoria, Ill.	1.351
Seattle, Wash.	2.036	El Paso, Tex.	1.737	New Haven, Conn.	1.362
Indianapolis, Ind.	1.992	<i>Average for group V</i>	<i>1.730</i>	South Bend, Ind.	1.352
Cincinnati, Ohio	1.991	Mobile, Ala.	1.724	Rock Island (Ill.) District ¹	1.304
Rochester, N. Y.	1.970	Charleston, S. C.	1.649	Dayton, Ohio	1.285
Columbus, Ohio	1.954	Little Rock, Ark.	1.638	Salt Lake City, Utah	1.290
Kansas City, Mo.	1.950	Manchester, N. H.	1.603	Grand Rapids, Mich.	1.255
Dallas, Tex.	1.941	Jackson, Miss.	1.586	Richmond, Va.	1.240
Houston, Tex.	1.937	York, Pa.	1.580	Youngstown, Ohio	1.235
Denver, Colo.	1.925	Portland, Maine	1.529	Des Moines, Iowa	1.214
<i>Average for group III</i>	<i>1.924</i>	<i>Helpers and laborers</i>		Springfield, Mass.	1.208
Minneapolis, Minn.	1.883	Population group I (over 1,000,000):		Duluth, Minn.	1.198
St. Paul, Minn.	1.867	New York, N. Y.	1.715	Erie, Pa.	1.183
Portland, Oreg.	1.829	Chicago, Ill.	1.512	<i>Average for group IV</i>	<i>1.161</i>
Louisville, Ky.	1.812	Detroit, Mich.	1.477	Omaha, Nebr.	1.159
Providence, R. I.	1.785	<i>Average for group I</i>	<i>1.455</i>	Scranton, Pa.	1.159
Memphis, Tenn.	1.756	Los Angeles, Calif.	1.442	Reading, Pa.	1.153
Atlanta, Ga.	1.751	Philadelphia, Pa.	1.129	Worcester, Mass.	1.135
Birmingham, Ala.	1.751	Population group II (500,000 to 1,000,000):		Wichita, Kans.	1.056
San Antonio, Tex.	1.751	Cleveland, Ohio	1.509	Oklahoma City, Okla.	1.025
New Orleans, La.	1.718	San Francisco, Calif.	1.470	Norfolk, Va.	.865
Population group IV (100,000 to 250,000):		Buffalo, N. Y.	1.427	Tampa, Fla.	.789
Dayton, Ohio	2.033	St. Louis, Mo.	1.417	Charlotte, N. C.	.782
Peoria, Ill.	1.996	Milwaukee, Wis.	1.403	Jacksonville, Fla.	.768
New Haven, Conn.	1.976	Boston, Mass.	1.400	Nashville, Tenn.	.763
Spokane, Wash.	1.968	<i>Average for group II</i>	<i>1.354</i>	Population group V (40,000 to 100,000):	
Youngstown, Ohio	1.942	Washington, D. C.	1.215	Butte, Mont.	1.336
South Bend, Ind.	1.911	Pittsburgh, Pa.	1.187	Madison, Wis.	1.321
Rock Island (Ill.) District ¹	1.907	Baltimore, Md.	1.135	Phoenix, Ariz.	1.220
Oklahoma City, Okla.	1.871	Population group III (250,000 to 500,000):		Charleston, W. Va.	1.165
Reading, Pa.	1.855	Newark, N. J.	1.692	<i>Average for group V</i>	<i>1.090</i>
Grand Rapids, Mich.	1.854	Seattle, Wash.	1.554	Manchester, N. H.	1.075
Springfield, Mass.	1.852	Toledo, Ohio	1.465	Portland, Maine	1.026
Scranton, Pa.	1.847	Minneapolis, Minn.	1.369	York, Pa.	1.011
Omaha, Nebr.	1.841	Denver, Colo.	1.366	Mobile, Ala.	.909
				Little Rock, Ark.	.819
				Charleston, S. C.	.789
				Jackson, Miss.	.741

¹ Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 8.—Average union hourly wage rates in selected building trades by regional and population group, and by trade, July 1, 1947

Trade	Cities in population group ¹										
	Group I ²	Group II ²	Group III			Group IV			Group V		
	North and Pacific	North and Pacific	All cities	North and Pacific	South and Southwest	All cities	North and Pacific	South and Southwest	All cities	North and Pacific	South and Southwest
All building trades.....	\$2.089	\$1.092	\$1.762	\$1.841	\$1.619	\$1.678	\$1.739	\$1.550	\$1.566	\$1.623	\$1.519
Journeyman.....	2.189	2.049	1.927	1.975	1.827	1.812	1.878	1.683	1.730	1.779	1.689
Asbestos workers.....	2.094	1.982	1.916	1.980	1.842	1.868	1.919	1.770	1.912	1.971	1.809
Boilermakers.....	2.165	2.006	2.094	2.111	1.976	1.953	1.990	1.750	1.962	1.999	1.921
Bricklayers.....	2.545	2.270	2.192	2.227	2.130	2.125	2.140	2.095	2.039	2.089	1.978
Carpenters.....	2.171	2.024	1.846	1.901	1.741	1.717	1.818	1.563	1.627	1.723	1.552
Cement finishers.....	2.093	1.993	1.914	1.978	1.830	1.749	1.848	1.580	1.712	1.754	1.681
Electricians (inside wiremen).....	2.206	2.134	2.059	2.096	1.968	1.914	1.955	1.834	1.817	1.806	1.827
Elevator constructors.....	2.221	2.114	2.010	2.037	1.963	1.925	1.952	1.806	1.863	1.841	1.894
Glaziers.....	2.115	1.878	1.731	1.768	1.637	1.560	1.633	1.429	1.555	1.676	1.484
Lathers.....	2.375	2.110	2.111	2.130	2.066	1.939	2.007	1.829	1.873	2.036	1.756
Machinists.....	2.200	1.955	2.100	2.160	2.001	1.762	1.762	1.750	1.970	1.970	1.876
Marble setters.....	2.227	2.022	1.984	1.967	2.025	1.926	1.953	1.858	1.908	1.877	2.000
Mosaic and terrazzo workers.....	2.332	2.026	1.924	1.935	1.891	1.901	1.937	1.847	1.956	1.956	1.866
Painters.....	2.023	1.926	1.794	1.852	1.673	1.662	1.718	1.540	1.600	1.580	1.616
Paperhangers.....	2.043	1.962	1.792	1.836	1.694	1.686	1.722	1.533	1.573	1.589	1.543
Plasterers.....	2.462	2.161	2.191	2.253	2.086	2.036	2.084	1.984	1.951	1.921	1.969
Plumbers and gas fitters.....	2.373	2.133	2.093	2.123	2.041	1.962	1.979	1.936	1.927	1.920	1.932
Roofers, composition.....	2.153	1.888	1.748	1.891	1.561	1.629	1.683	1.426	1.560	1.523	1.588
Roofers, slate and tile.....	2.322	1.937	1.844	2.033	1.558	1.673	1.779	1.364	1.613	1.673	1.549
Sheet-metal workers.....	2.116	1.980	1.933	1.967	1.845	1.784	1.836	1.631	1.717	1.811	1.642
Steam and sprinkler fitters.....	2.186	2.092	2.069	2.122	2.007	1.974	1.986	1.940	1.954	1.955	1.953
Stonemasons.....	2.334	2.152	2.239	2.259	2.140	2.078	2.074	2.103	1.996	1.999	1.958
Structural-iron workers.....	2.210	2.175	2.013	2.100	1.904	2.004	2.040	1.899	1.878	1.898	1.870
Rodmen.....	2.025	2.074	1.916	2.026	1.722	1.909	1.953	1.670	1.749	1.895	1.624
Tile layers.....	2.276	2.039	2.005	2.048	1.921	1.874	1.916	1.824	1.684	1.923	1.497
Helpers and laborers.....	1.455	1.354	1.217	1.372	.952	1.161	1.263	.858	1.096	1.154	1.053
Bricklayers' tenders.....	1.650	1.470	1.341	1.467	1.065	1.264	1.316	.973	1.188	1.255	1.127
Building laborers.....	1.332	1.303	1.163	1.327	.918	1.109	1.226	.818	1.061	1.114	1.022
Composition roofers' helpers.....	1.192	1.079	1.239	.788	1.212	1.212	1.212	.886	.886	.850	.900
Elevator constructors' helpers.....	1.560	1.458	1.406	1.419	1.378	1.368	1.387	1.282	1.369	1.370	1.368
Marble setters' helpers.....	1.522	1.391	1.230	1.354	.991	1.199	1.199	.800	1.248	1.463	1.141
Plasterers' laborers.....	1.939	1.657	1.440	1.547	1.125	1.256	1.401	.917	1.267	1.362	1.232
Plumbers' laborers.....	1.500	1.464	1.290	1.433	1.019	1.114	1.176	.968	1.153	1.244	.750
Terrazzo workers' helpers.....	1.825	1.530	1.424	1.511	1.089	1.430	1.430	.800	1.314	1.400	1.250
Tile layers' helpers.....	1.704	1.440	1.424	1.541	1.103	1.215	1.219	.800	1.172	1.193	1.141

¹ Group I includes cities over 1,000,000 population; group II, 500,000 to 1,000,000; group III, 250,000 to 500,000; group IV, 100,000 to 250,000; and group V, 40,000 to 100,000.

² No city of this size in the South or Southwest.

TABLE 9.—Indexes of union weekly hours in all building trades, 1907 to 1947

[June 1, 1939=100]

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

TABLE 10.—Indexes of union weekly hours in each building trade, 1907 to 1947—Continued

[June 1, 1939=100]

Year	Rodmen	Roofers—composition	Roofers—slate and tile	Sheet-metal workers	Sign painters	Steam and sprinkler fitters	Stone-cutters	Stonemasons	Structural iron workers ¹	Tile layers	Bricklayers' tenders	Building laborers	Composition roofers' helpers	Plasterers' laborers	Plumbers' laborers	Tile layers' helper
1936.....		101.6	101.3	102.0	101.1	105.0	101.1	103.4	101.7	95.9	101.2	100.3		105.2		93.5
1937.....	100.1	101.7	101.2	102.1	101.1	105.1	101.1	103.4	101.2	100.0	101.5	100.6	100.0	105.2		100.0
1938.....	100.1	99.9	100.0	100.0	100.1	99.6	99.9	100.0	100.1	100.0	100.3	100.1	100.0	100.3	100.0	100.0
1939.....	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	100.0
1940.....	100.0	99.6	99.9	100.0	100.2	100.0	99.9	99.9	100.0	100.0	99.9	99.4	99.7	99.6	96.9	100.0
1941.....	100.9	100.3	99.9	100.3	100.2	100.6	98.3	100.0	100.4	100.4	99.8	99.7	100.3	100.0	96.9	100.4
1942.....	101.9	100.4	101.3	100.9	100.0	102.2	98.4	100.2	101.1	100.7	98.6	98.8	100.6	100.1	96.6	100.4
1943.....	101.0	100.3	101.1	100.9	100.2	102.2	98.4	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.8	100.4
1944.....	101.0	100.2	101.1	100.9	100.2	102.2	98.4	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.7	100.4
1945.....	101.0	100.2	101.1	100.9	100.2	102.2	98.4	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.7	100.4
1946.....	100.4	99.9	101.1	100.3	99.4	101.3	98.4	100.0	101.1	100.7	96.9	97.2	100.1	100.0	96.9	100.4
1947.....	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

¹ Included rodmen prior to 1940.

TABLE 11.—Distribution of union members in building trades, by straight-time weekly hours, July 1, 1947

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	44 hours	48 hours			30 hours	35 hours	40 hours	44 hours	48 hours
All building trades.....	39.2						Journeyman—Continued						
Journeyman.....	39.1						Roofers, slate and tile.....	40.0			100.0		
Asbestos workers.....	39.4		12.3	87.7			Sheet-metal workers.....	39.3	2.6	8.8	88.6		
Boilermakers.....	39.3		13.2	86.8			Steam and sprinkler fitters.....	39.5	.1	9.0	90.9		
Bricklayers.....	38.4	1.0	29.9	69.1			Stonemasons.....	38.7	.7	24.1	75.2		
Carpenters.....	39.3	.2	14.2	85.6			Structural-iron workers.....	39.9		2.6	97.4		
Cement finishers.....	39.5		10.0	90.0			Rodmen.....	39.8		5.0	95.0		
Electricians, (inside wiremen).....	38.4	16.1		83.9			Tile layers.....	40.0			100.0		
Elevator constructors.....	40.0			100.0			Helpers and laborers.....	39.6					
Glaziers.....	40.0			100.0			Bricklayers' tenders.....	38.7	1.4	22.7	75.9		
Lathers.....	38.8	3.8	15.4	80.8			Building laborers.....	39.8		3.7	96.0		
Machinists.....	40.0			100.0			Composition roofers' helpers.....	39.7		5.1	94.9		
Marble setters.....	40.0			100.0			Elevator constructors' helpers.....	40.0			100.0		
Mosaic and terrazzo workers.....	38.6	3.7	19.9	76.4			Marble setters' helpers.....	39.9	1.0		99.0		
Painters.....	38.9		21.0	79.0			Plasterers' laborers.....	38.1	18.1	2.1	79.8		
Paperhangers.....	39.9		2.5	97.3	0.2		Plumbers' laborers.....	40.0			100.0		
Plasterers.....	37.6	22.0	3.3	74.7			Terrazzo workers' helpers.....	40.0	.3		99.7		
Plumbers and gas fitters.....	37.9	20.5	.5	79.0			Tile layers' helpers.....	40.0	.1		99.9		
Roofers, composition.....	39.9		1.5	98.3		0.2							

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946

[Hours per week 40, unless otherwise indicated]

ATLANTA, GA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Roofers:		
Bricklayers.....	2.000	1.750	Rollers.....	\$1.400	\$1.350	Composition.....	\$1.500	\$1.125
Carpenters.....	1.650	1.375	Scrapers.....	1.400	1.350	Slate and tile.....	1.500	1.125
Millwrights and pile drivers.....	1.900	1.500	Shovels.....	1.675	1.600	Sheet-metal workers.....	1.650	1.400
Cement finishers.....	2.000	1.625	Tractors.....	1.400	1.350	Sign painters.....	1.750	1.500
Electricians (inside wiremen).....	1.800	1.650	Trenching machines.....	1.675	1.600	Steam fitters.....	2.000	1.750
Elevator constructors.....	1.910	1.655	Glaziers.....	1.625	1.375	Stonemasons.....	2.000	1.750
Engineers—Power equipment operators:			Lathers:			Structural-iron workers.....	1.750	1.625
Air compressors.....	1.400	1.350	Metal.....	2.000	1.625	Rodmen.....	1.500	1.375
Bulldozers.....	1.400	1.350	Wood.....	2.000	1.375	Tile layers.....	2.000	1.675
Cranes, derricks, and draglines.....	1.675	1.600	Machinists.....	1.750	1.750	<i>Helpers and laborers</i>		
Graders, motor.....	1.400	1.350	Marble setters.....	2.000	1.675	Bricklayers' tenders.....	.850	.850
Hoists:			Mosaic and terrazzo workers.....	2.000	1.675	Building laborers.....	.750	.750
1 drum.....	1.400	1.350	Painters.....	1.625	1.375	Elevator constructors' helpers.....	1.340	1.160
2 or more drums.....	1.675	1.600	Paperhangers.....	1.750	1.375	Plasterers' laborers.....	.850	.850
Mixers.....	1.400	1.350	Plasterers.....	2.000	1.625	Plumbers' laborers.....	.750	.750
Pumps.....	1.400	1.350	Plumbers.....	2.000	1.750			

BALTIMORE, MD.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.850	Engineers—Power equipment operators—Continued			Roofers—Continued		
Boilermakers.....	2.000	1.750	Rollers:			Slate and tile.....	\$1.705	\$1.705
Bricklayers.....	2.250	1.900	On hot asphalt.....	\$2.200	\$1.950	Sheeters.....	1.850	1.850
Carpenters.....	1.950	1.675	Excluding hot asphalt.....	1.750	1.625	Sheet-metal workers.....	2.000	1.850
Cement finishers.....	1.900	1.725	Shovels.....	2.200	1.950	Sign painters.....	1.650	1.525
Electricians (inside wiremen).....	2.000	1.850	Tractors.....	1.575	1.425	Steam fitters.....	2.000	1.850
Elevator constructors.....	1.970	1.810	Without mechanical attachments.....	1.250	1.100	Stonemasons.....	2.250	1.900
Engineers—Power equipment operators:			Trenching machines.....	2.200	1.950	Structural-iron workers.....	2.150	1.900
Air compressors.....	1.750	1.625	Glaziers.....	1.750	1.600	Rodmen.....	1.850	1.600
When used in banks comprising a plant.....	2.200	1.950	Lathers.....	2.000	1.875	Tile layers.....	2.000	1.750
Bulldozers.....	1.575	1.425	Machinists.....	1.850	1.840	<i>Helpers and laborers</i>		
Cranes, derricks, and draglines.....	2.200	1.950	Mosaic and terrazzo workers.....	2.000	1.750	Bricklayers' tenders.....	1.200	1.050
Graders:			Painters.....	1.775	1.600	Building laborers.....	1.100	.950
Road.....	1.750	1.625	Structural steel.....	1.900	1.625	Elevator constructors' helpers.....	1.380	1.270
Elevating.....	2.200	1.950	Paperhangers.....	1.775	1.500	Plasterers' laborers.....	1.200	1.050
Hoists:			Plasterers.....	2.000	1.725	Hod carriers.....	1.400	1.250
1 drum.....	1.750	1.625	Plumbers.....	2.000	1.850	Plumbers' laborers.....	1.100	.950
2 drums.....	2.200	1.950	Roofers:			Terrazzo workers' helpers.....	1.375	1.125
Mixers.....	1.750	1.625	Composition.....	1.500	1.500	Tile layers' helpers.....	1.375	1.250
Pumps.....	1.750	1.625	Foremen.....	1.775	1.775			

BINGHAMTON, N. Y.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.100	\$1.800	Engineers—Power equipment operators—Continued			Paperhangers.....	\$1.750	\$1.313
Bricklayers.....	2.000	1.800	Mixers:			Plasterers.....	2.000	1.800
Carpenters.....	1.750	1.500	Under 21E.....	\$1.375	(¹)	Plumbers and gas fitters.....	2.000	1.700
Electricians (inside wiremen).....	1.900	1.500	21E and over.....	1.750	(¹)	Roofers:		
Engineers—Power equipment operators:			Pumps:			Composition.....	1.700	1.438
Air compressors:			Under 6 inches.....	1.375	(¹)	Slate and tile.....	1.700	1.438
Under 300 cubic feet.....	1.375	(¹)	6 inches and over.....	1.750	(¹)	Sheet-metal workers.....	1.875	1.600
300 cubic feet and over.....	1.750	(¹)	Rollers:			Sign painters.....	1.850	1.750
Bulldozers.....	1.750	1.375	On fill and grade.....	1.600	(¹)	Steam fitters.....	2.000	1.700
Cranes, derricks, and draglines.....	2.000	1.875	High grade finish.....	1.625	(¹)	Structural-iron workers.....	1.875	1.500
Graders:			Scrapers.....	1.750	\$1.625	Rodmen.....	1.875	1.500
Elevating.....	2.000	(¹)	Shovels.....	2.000	1.875	<i>Helpers and laborers</i>		
Power.....	1.500	1.375	Tractors.....	1.500	(¹)	Bricklayers' tenders.....	1.125	(¹)
Hoists:			Trenching machines.....	1.750	1.625	Building laborers.....	1.000	(¹)
Elevator and 1 drum.....	1.750	1.625	Lathers.....	1.750	1.500	Plasterers' laborers.....	1.125	(¹)
2 and 3 drums.....	2.000	(¹)	Painters.....	1.500	1.313			
			Scaffold.....	1.750	1.438			
			Steel.....	1.750	1.500			
			Spray.....	2.000	1.500			

¹ Information not available.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

BIRMINGHAM, ALA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$1.725	\$1.600
Bricklayers.....	2.250	1.938	Shovels.....	\$1.875	\$1.750	Sign painters.....	1.850	1.750
Carpenters.....	1.625	1.500	Tractors.....	1.625	1.500	Steam fitters.....	2.000	1.875
Cement finishers.....	1.875	1.750	Trenching machines.....	1.875	1.750	Stonemasons.....	2.250	1.938
Elevator constructors.....	1.840	1.685	Glaziers.....	1.625	1.500	Structural-iron workers.....	1.900	1.750
Engineers—Power equipment operators:			Lathers.....	1.875	1.625	Rodmen.....	1.650	1.500
Air compressors.....	1.500	1.500	Machinists.....	1.750	1.500	Tile layers.....	1.750	1.750
Bulldozers.....	1.650	1.500	Marble setters.....	2.250	1.938			
Cranes, derricks, and draglines.....	1.875	1.750	Mosaic and terrazzo workers.....	1.750	1.750	<i>Helpers and laborers</i>		
Graders (blade).....	1.600	1.500	Painters.....	1.750	1.500	Bricklayers' tenders.....	.850	.850
Hoists:			Structural steel and swing stage.....	1.875	1.625	Building laborers.....	.850	.750
1 drum.....	1.600	1.500	Spray.....	2.500	2.500	Elevator constructors' helpers.....	1.290	1.179
2 drums.....	1.875	1.750	Paperhangers.....	1.750	1.500	Marble setters' helpers.....	.950	.850
Le Tourneau.....	1.875	1.750	Plasterers.....	2.000	1.875	Plasterers' laborers.....	.900	.850
Mixers:			Plumbers.....	2.000	1.875	Mortar mixers.....	.950	.850
Under 5 bags.....	1.800	1.500	Roofers:			Plumbers' laborers.....	.950	.850
5 bags and over.....	1.875	1.750	Composition.....	1.400	1.300	Terrazzo workers' helpers.....	.950	.850
Pumps.....	1.500	1.500	Waterproofers.....	1.650	1.300	Tile layers' helpers.....	.950	.850
Rollers.....	1.625	1.500	Slate and tile.....	1.560	1.450			
Scrapers.....	1.875	1.750						

BOSTON, MASS.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.900	\$1.725	Engineers—Power equipment operators—Continued			Stonecutters—Continued		
Boilermakers.....	2.000	1.750	Trenching machines.....	\$1.875	\$1.650	Carvers:		
Bricklayers.....	2.150	1.995	Granite cutters.....	2.000	1.750	Inside.....	\$2.000	\$1.725
Carpenters.....	1.900	1.600	Lathers.....	2.000	1.800	Outside.....	2.250	1.925
Cement finishers.....	1.995	1.668	Machinists.....	2.000	1.750	Artificial stone patchers:		
Electricians (inside wiremen).....	2.150	1.900	Marble setters.....	2.000	1.875	Inside.....	1.625	1.375
Elevator constructors.....	2.060	1.740	Mosaic and terrazzo workers.....	2.000	1.875	Outside.....	2.000	1.725
Engineers—Power equipment operators:			Painters.....	1.875	1.625	Stonemasons.....	2.150	1.995
Air compressors.....	1.800	1.650	Plasterers.....	2.000	2.000	Structural-iron workers.....	2.000	1.850
Bulldozers.....	1.875	1.650	Plumbers and gas fitters.....	2.000	1.875	Rodmen.....	2.000	1.850
Cranes, derricks, and draglines.....	2.250	2.025	Roofers:			Tile layers.....	2.000	1.875
Graders.....	1.875	1.650	Composition.....	1.820	1.650			
Hoists:			Slate and tile.....	1.820	1.500	<i>Helpers and laborers</i>		
1 or 2 drums.....	1.875	1.650	Sheet-metal workers.....	1.900	1.725	Bricklayers' tenders.....	1.400	1.150
3 drums.....	2.250	2.025	Sign painters.....	1.625	1.500	Building laborers.....	1.400	1.150
Mixers.....	1.875	1.650	Letterers.....	1.700	1.470	Composition roofers' helpers.....	1.300	1.100
Pumps.....	1.800	1.650	Pictorial.....	2.000	1.800	Elevator constructors' helpers.....	1.440	1.220
Rollers.....	1.875	1.650	Steam fitters.....	2.000	1.725	Marble setters' helpers.....	1.400	1.250
Scrapers.....	1.875	1.650	Sprinkler fitters.....	2.000	1.750	Plasterers' laborers.....	1.400	1.400
Shovels.....	2.250	2.025	Stonecutters:			Sprinkler fitters' helpers.....	1.350	1.100
Tractors.....	1.875	1.650	Inside.....	1.750	1.575	Terrazzo workers' helpers.....	1.500	1.250
			Outside.....	2.000	1.725	Tile layers' helpers.....	1.400	1.250

BUFFALO, N. Y.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.150	\$2.000	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$2.000	\$1.850
Boilermakers.....	2.150	2.000	Pumps:			Sign painters.....	1.875	1.725
Bricklayers.....	2.260	2.075	4 inches or over.....	\$1.900	\$1.750	Pictorial.....	1.950	1.840
Carpenters.....	2.000	1.850	3 inches or less.....	1.475	1.325	Steam fitters.....	2.150	2.000
Millwrights.....	2.100	1.950	Rollers.....	2.025	1.875	Sprinkler fitters.....	2.000	1.750
Cement finishers.....	1.980	1.830	Shovels.....	2.150	2.000	Stonecutters.....	1.900	1.750
Swing scaffold.....	2.230	2.080	Tractors.....	1.650	1.500	Building fitting.....	2.250	2.000
Machine operators.....	2.150	2.013	Trenching machines.....	2.025	1.875	Stonemasons.....	2.250	2.075
Swing scaffold.....	2.600	2.228	Glaziers.....	1.700	1.550	Structural-iron workers.....	2.150	2.000
Electricians (inside wiremen).....	2.150	2.000	Lathers.....	2.150	2.000	Rodmen.....	2.150	2.000
Elevator constructors.....	2.170	1.925	Mosaic and terrazzo workers.....	1.925	1.825	Sheeters—iron workers.....	2.400	2.250
Engineers—Power equipment operators:			Painters.....	1.875	1.750	Tile layers.....	1.925	1.825
Air compressors.....	1.775	1.625	Spray, structural steel, and swing stage.....	2.125	2.000			
Bulldozers.....	1.650	1.500	Paperhangers.....	1.875	1.750	<i>Helpers and laborers</i>		
Cranes, derricks, and draglines.....	2.150	2.000	Plasterers.....	2.150	2.000	Bricklayers' tenders.....	1.400	1.250
Graders:			Plumbers and gas fitters.....	2.150	2.000	Building laborers.....	1.400	1.250
Power.....	2.025	1.875	Roofers:			Elevator constructors' helpers.....	1.520	1.350
Hoists.....	1.985	1.835	Composition.....	1.900	1.750	Marble setters' helpers.....	1.425	1.275
LeTourneau.....	2.025	1.875	Residential.....	1.850	1.700	Plasterers' laborers.....	1.500	1.350
Mixers.....	1.475	1.325	Slate and tile.....	2.050	1.900	Mortar mixers.....	1.550	1.400
½ cubic yard or over.....	1.900	1.750				Terrazzo workers' helpers.....	1.425	1.275
						Tile layers' helpers.....	1.425	1.275

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

BUTTE, MONT.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$2.100	\$1.850	Engineers—Power equipment operators—Continued			Roofers:		
Carpenters.....	2.000	1.833	Pumps:			Composition.....	\$1.550	\$1.375
Electricians (inside wiremen).....	2.000	1.833	6 inches or less.....	\$1.150	\$1.000	Sheet-metal workers.....	1.875	1.750
Elevator constructors.....	2.040	1.880	Over 6 inches.....	1.400	1.250	Sign painters.....	\$2.000	\$1.625
Engineers—Power equipment operators:			Rollers.....	1.650	1.250	Steam fitters.....	\$2.250	\$2.083
Air compressors.....	1.400	1.125	On all types of finishing.....	1.650	1.500	Stonemasons.....	\$2.100	\$1.850
Bulldozers.....	1.700	1.500	Scrapers.....	1.700	1.600	Structural-iron workers.....	1.685	1.500
Cranes, derricks, and draglines.....	1.650	1.500	Shovels.....	1.850	1.500	Rodmen.....	1.685	1.500
Graders.....	1.650	1.500	¾ yard or less.....	1.650	1.500	Tile layers.....	\$2.100	\$1.850
Hoists:			Tractors.....	1.700	1.500			
1 drum.....	1.650	1.250	Trenching machines.....	1.700	1.500	<i>Helpers and laborers</i>		
2 drum, or more.....	1.650	1.500	Glaziers.....	1.625	1.625	Bricklayers' tenders.....	\$1.650	\$1.500
LeTourneau:			Lathers.....	\$2.500	\$2.000	Building laborers:		
Single.....	1.700	1.500	Marble setters.....	\$2.100	\$1.850	Agreement A.....	\$1.250	\$1.100
In tandem.....	1.850	1.750	Mosaic and terrazzo workers.....	\$2.100	\$1.850	Agreement B.....	\$1.650	\$1.500
Mixers:			Painters.....	\$2.000	1.625	Elevator constructors' helpers.....	1.430	1.320
Less than 4 bags.....	1.400	1.250	Paperhangers.....	\$2.000	1.625	Marble setters' helpers.....	\$1.650	\$1.500
4 bags or over.....	1.650	1.500	Plasterers.....	\$2.500	2.000	Plasterers' laborers.....	\$1.650	\$1.500
			Plumbers and gas fitters.....	\$2.250	\$2.083	Terrazzo workers' helpers.....	\$1.650	\$1.500
						Tile layers' helpers.....	\$1.650	\$1.500

CHARLESTON, S. C.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Boilermakers.....	\$1.750	\$1.625	Paperhangers.....	\$1.375	\$1.375	Structural-iron workers.....	\$1.750	\$1.500
Bricklayers.....	2.000	1.650	Plasterers.....	2.000	1.650	Rodmen.....	1.500	1.250
Carpenters:			Plumbers.....	2.000	1.750			
Agreement A.....	1.375	1.250	Roofers:			<i>Helpers and laborers</i>		
Agreement B.....	1.500	1.250	Composition.....	1.250	1.250	Bricklayers' tenders.....	.850	.850
Millwrights.....	1.750	1.250	Slate and tile.....	1.600	1.500	Building laborers.....	.750	.750
Cement finishers.....	1.500	1.150	Sheet-metal workers.....	1.600	1.500	Composition roofers' helpers.....	.750	.750
Electricians (inside wiremen).....	1.750	1.650	Sign painters.....	1.600	1.500	Plasterers' laborers.....	.850	.850
Elevator constructors.....	1.800	1.525	Steam fitters.....	2.000	1.750	Plumbers' laborers.....	.750	.750
Glaziers.....	1.375	1.375	Stonemasons.....	2.000	1.650			
Painters.....	1.375	1.375						
Spray.....	1.625	1.625						
Stage or steel.....	1.500	1.500						

CHARLESTON, W. VA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.930	\$1.750	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$1.800	\$1.583
Boilermakers.....	2.000	1.750	Pumps.....	\$1.500	\$1.300	Sign painters.....	1.875	1.625
Bricklayers.....	2.250	2.000	Rollers.....	1.650	1.450	Steam fitters.....	2.000	1.850
Carpenters.....	1.875	1.625	Shovels.....	2.000	1.800	Stonemasons.....	2.250	2.000
Millwrights.....	2.000	1.625	Tractors.....	1.750	1.550	Structural-iron workers.....	2.000	1.875
Cement finishers.....	1.750	1.500	Trenching machines, excavating.....	2.000	1.800	Rodmen.....	2.000	1.725
Electricians (inside wiremen).....	2.000	1.750	Glaziers.....	1.675	1.400	Tile layers.....	2.050	1.750
Elevator constructors.....	2.025	1.625	Lathers.....	1.875	1.581			
Engineers—Power equipment operators:			Marble setters.....	2.050	1.750	<i>Helpers and laborers</i>		
Air compressors.....	1.650	1.450	Mosaic and terrazzo workers.....	2.050	1.750	Bricklayers' tenders.....	1.275	1.050
Bulldozers.....	1.750	1.650	Painters.....	1.750	1.500	Building laborers.....	1.275	.900
Cranes, derricks, and draglines.....	2.000	1.800	Spray.....	2.000	2.000	Elevator constructors' helpers.....	1.420	1.140
Graders.....	1.750	1.650	Plasterers.....	1.875	1.725	Plasterers' laborers.....	1.275	1.050
Hoists.....	2.000	1.800	Plumbers.....	2.000	1.850	Plumbers' laborers.....	1.125	.900
Mixers:			Roofers:					
1 bag and under.....	1.650	1.450	Composition.....	1.500	1.375			
Over 1 bag.....	1.650	1.550	Slate and tile.....	1.500	1.375			

* Hours per week, 30.

* Hours per week, 35.

* Hours per week, 48.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

CHARLOTTE, N. C.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.500	Painters.....	\$1.375	\$1.250	Structural-iron workers.....	\$1.750	\$1.500
Bricklayers.....	1.750	1.645	Spray.....	1.750	1.375	Rodmen.....	1.500	1.250
Carpenters.....	1.400	1.250	Bridge, structural steel, and stage.....	1.625	1.375	Tile layers.....	1.750	1.500
Cement finishers.....	1.625	1.625	Paperhangers.....	1.625	1.375	<i>Helpers and laborers</i>		
Electricians (inside wiremen).....	1.500	1.375	Plasterers.....	1.875	1.750	Bricklayers' tenders.....	.850	(1)
Elevator constructors.....	1.935	1.450	Plumbers.....	2.000	1.500	Building laborers.....	.750	(1)
Lathers.....	1.750	1.500	Sheet-metal workers.....	1.650	1.500	Elevator constructors' helpers.....	1.350	1.015
Marble setters.....	1.750	1.500	Steam fitters.....	2.000	1.600	Plasterers' laborers.....	.850	(1)
Mosaic and terrazzo workers.....	1.750	1.500	Stonemasons.....	1.750	1.625			

CHICAGO, ILL.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.150	\$1.950	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$2.150	\$1.950
Boilermakers.....	2.125	1.950	Mixers:			Sign painters.....	2.313	2.000
Bricklayers.....	2.200	2.000	Double drum (over 27E).....	\$2.450	\$2.250	Steam and sprinkler fitters.....	2.150	1.950
Sewer, tunnel, etc.....	2.500	2.250	Paving (under 27E).....	2.300	2.150	Stonemasons.....	2.200	2.000
Carpenters.....	2.150	1.950	Pumps.....	1.700	1.500	Structural-iron workers.....	2.200	1.950
Cement finishers.....	2.150	1.950	Rollers.....	2.200	2.000	Finishers.....	2.150	1.950
Pavement, curb, and gutter.....	2.150	1.950	Grade.....	2.100	1.950	Rodmen.....	2.200	1.950
Electricians (inside wiremen).....	2.150	1.975	Shovels, power.....	2.450	2.250	Tile layers.....	2.150	1.950
Elevator constructors.....	2.170	1.910	Tractors.....	1.850	1.650	<i>Helpers and laborers</i>		
Engineers—Power equipment operators:			Glaziers.....	2.250	2.125	Bricklayers' tenders.....	1.500	1.300
Air compressors.....	2.075	1.875	Granite cutters.....	1.900	1.900	Building laborers.....	1.500	1.300
Bulldozers.....	1.850	1.650	Lathers.....	2.225	2.000	Elevator constructors' helpers.....	1.520	1.335
Cranes, derricks, and draglines.....	2.450	2.250	Machinists.....	2.150	1.850	Marble setters' helpers.....	1.500	1.375
Graders:			Marble setters.....	2.150	1.950	Plasterers' laborers.....	1.600	1.400
Blade.....	1.550	1.350	Mosaic and terrazzo workers.....	2.150	1.850	Sprinkler fitters' helpers.....	1.340	1.220
Elevating.....	2.075	1.875	Painters.....	2.150	1.917	Terrazzo workers' helpers.....	1.700	1.350
Koehring.....	2.450	2.250	Paperhangers.....	2.150	1.917	Base-machine operators.....	1.925	1.500
Patrol and weir.....	1.850	1.650	Plasterers.....	2.225	2.000	Tile layers' helpers.....	1.500	1.375
Sub-graders.....	2.075	1.875	Plumbers.....	2.150	1.950			
Form.....	2.075	1.875	Roofers:					
			Composition.....	2.200	2.000			
			Foremen.....	2.450	2.250			
			Slate and tile.....	2.200	2.000			

CINCINNATI, OHIO

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.025	\$1.750	Engineers—Power equipment operator—Continued			Plumbers and gas fitters.....	\$2.125	\$1.875
Boilermakers.....	2.000	1.750	Mixers—Continued			Roofers:		
Bricklayers.....	2.250	2.000	Paving, 27E and over (single drum).....	\$1.750	\$1.625	Composition.....	1.750	1.600
Carpenters.....	1.975	1.800	Paving (double drum).....	2.000	(1)	Slate and tile.....	1.900	1.600
Cement finishers.....	1.875	1.675	Plant.....	1.425	(1)	Precast slab.....	2.000	1.725
Electricians (inside wiremen).....	2.000	1.875	Pumps, 4-inch and over capacity discharge.....	1.625	1.500	Sheet-metal workers.....	1.900	1.725
Elevator constructors.....	1.915	1.750	Rollers:			Sign painters.....	2.000	1.650
Engineers—Power equipment operators:			Brick, grade, macadam.....	1.425	1.300	Steam fitters.....	2.125	1.900
Air compressors (plant operation).....	1.750	1.625	Asphalt.....	1.625	1.500	Stonemasons.....	2.250	1.875
On steel erection.....	2.000	1.875	Scrapers.....	1.750	1.625	Structural-iron workers.....	2.100	1.925
Building construction.....	1.625	(1)	Shovels.....	2.000	1.875	Rodmen.....	1.950	1.775
Portable (sewer, heavy, highway).....	1.425	1.300	Tractors (pulling sheepfoot roller or grader).....	1.425	1.300	Tile layers.....	2.050	1.750
Bulldozers.....	1.750	1.500	Trenching machines.....	1.750	1.625	<i>Helpers and laborers</i>		
Cranes and draglines.....	2.000	1.875	Glaziers.....	1.900	1.900	Bricklayers' tenders.....	1.450	1.300
Derricks.....	2.000	1.625	Lathers.....	2.000	1.775	Building laborers.....	1.250	1.100
Graders.....	1.750	1.500	Machinists.....	1.650	1.500	Elevator constructors' helpers.....	1.340	1.225
Hoists:			Marble setters.....	2.250	1.875	Marble setters' helpers.....	1.500	1.250
Hoisting engines.....	1.750	1.500	Mosaic and terrazzo workers.....	2.050	1.750	Plasterers' laborers.....	1.450	1.300
Mixers:			Painters.....	1.875	1.700	Plumbers' laborers.....	1.350	1.250
Concrete, with capacity of more than 1 bag, or 1-bag capacity, with side loaders.....	1.625	1.500	Paperhangers.....	1.875	1.700	Terrazzo workers' helpers.....	1.500	1.250
			Plasterers.....	2.125	1.875	Base grinders.....	1.700	1.350
						Tile layers' helpers.....	1.400	1.250

(1) Information not available.

(1) Hours per week, 45.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

CLEVELAND, OHIO

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeymen			Journeymen—Continued			Journeymen—Continued		
Asbestos workers.....	\$2.000	\$1.750	Engineers—Power equipment operators—Continued			Roofers—Continued		
Boilermakers.....	2.125	1.925	Rollers, asphalt.....	\$1.875	\$1.625	Slate and tile.....	\$2.125	\$2.000
Bricklayers.....	2.250	2.000	Rollers (brick, grade, macadam)	1.675	1.425	Sheet-metal workers.....	2.000	1.750
Sewer and caisson.....	2.500	2.250	Scrapers.....	2.000	1.750	Sign painters.....	2.125	1.950
Carpenters.....	2.125	1.650	Shovels.....	2.250	2.000	Steam fitters.....	2.125	1.850
Cement finishers.....	2.000	1.700	Tractors.....	1.675	1.425	Sprinkler fitters.....	2.125	1.750
Electricians (inside wiremen).....	2.125	2.000	Trenching machines.....	2.000	1.750	Stonecutters (outside).....	2.125	1.875
Elevator constructors.....	2.100	1.970	Glaziers.....	2.000	1.750	Inside.....	2.000	1.750
Engineers—Power equipment operators:			Granite cutters (outside).....	2.300	2.200	Stonemasons.....	2.250	2.000
Air compressors:			Inside (surface machine).....	1.750	1.531	Structural-iron workers.....	2.250	2.000
Steel erection.....	2.250	1.875	Lathers.....	2.000	2.125	Sheeters.....	2.500	2.250
Plant operation.....	2.000	1.750	Machinists.....	2.000	1.750	Bucker up.....	2.375	2.125
Portable.....	1.875	1.425	Marble setters.....	2.125	1.850	Rodmen.....	2.250	2.000
Bulldozers.....	2.000	1.625	Mosaic and terrazzo workers.....	2.125	1.700	Tile layers.....	2.000	1.850
Cranes, draglines, and derricks.....	2.250	2.000	Painters.....	2.000	1.675			
Graders:			Spray.....	2.125	2.000	Helpers and laborers		
Power.....	2.000	1.625	Structural steel.....	2.125	1.925	Bricklayers' tenders.....	1.500	1.250
Elevating.....	2.000	(¹)	Swing stage.....	2.125	1.750	Building laborers.....	1.500	1.250
Hoists.....	2.000	1.750	Fresco.....	2.050	1.700	Elevator constructors' helpers.....	1.470	1.380
Mixers:			Paperhangers.....	2.000	1.675	Marble setters' helpers.....	1.575	1.275
1 bag capacity, with side loaders.....	1.875	1.625	Plasterers.....	2.125	2.000	Plasterers' laborers.....	1.500	1.250
27E and over (single drum).....	2.000	1.750	Plumbers.....	2.125	1.850	Plumbers' laborers.....	1.600	1.350
Pumps, over 4-inch capacity discharge.....	1.875	1.625	Roofers:			Sprinkler fitters' helpers.....	1.350	1.100
			Composition.....	\$2.175	1.750	Terrazzo workers' helpers.....	1.575	1.275
			Foremen and waterproofers.....	\$2.375	1.875	Machine operators.....	1.650	1.375
						Tile layers' helpers.....	1.430	1.275

COLUMBUS, OHIO

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeymen			Journeymen—Continued			Journeymen—Continued		
Asbestos workers.....	\$2.000	\$1.750	Engineers—Power equipment operators—Continued			Mosaic and terrazzo workers.....	\$1.875	\$1.500
Boilermakers.....	2.000	1.750	Mixers:			Painters.....	1.750	1.450
Bricklayers.....	2.250	1.950	Paving 27E and over (single drum).....	\$1.750	\$1.625	Structural steel and spray.....	1.825	1.625
Carpenters.....	1.875	1.500	Paving (double drum).....	2.000	(¹)	Paperhangers.....	1.750	1.450
Wharf and bridge.....	2.000	1.650	Concrete, more than 1-bag capacity or 1-bag capacity with side loader.....	1.625	1.500	Plasterers.....	2.125	1.925
Millwrights.....	2.000	1.500	Plant.....	1.425	(¹)	Plumbers.....	2.000	1.750
Cement finishers.....	1.875	1.500	Pumps.....	1.625	1.500	Sheet-metal workers.....	1.875	1.750
Electricians (inside wiremen).....	1.950	1.625	Rollers:			Sign painters.....	1.650	1.500
Elevator constructors.....	1.855	1.600	Asphalt.....	1.625	1.500	Sign fitters.....	2.000	1.750
Engineers—Power equipment operators:			Brick, grade, macadam.....	1.425	(¹)	Stonecutters.....	1.375	1.375
Air compressors:			Scrapers.....	1.750	1.625	Stonemasons.....	2.250	1.875
On steel erection.....	2.000	(¹)	Shovels.....	2.000	1.875	Structural-iron workers.....	2.125	1.875
Plant operation.....	1.750	1.625	Tractors (pulling sheepfoot trencher or grader).....	1.425	1.300	Rodmen.....	2.125	1.875
Building construction.....	1.625	(¹)	Trenching machines.....	1.750	1.625	Tile layers.....	1.750	1.625
Portable (sewer, heavy, highway).....	1.425	1.300	Glaziers.....	1.610	1.375			
Bulldozers.....	1.750	1.500	Lathers.....	2.075	1.650	Helpers and laborers		
Cranes, derricks, and draglines.....	2.000	1.875	Marble setters.....	1.750	1.675	Bricklayers' tenders.....	1.350	1.000
Graders.....	1.750	1.500				Building laborers.....	1.175	.925
Hoists:						Composition roofers' helpers.....	1.175	.925
Hoisting engines.....	1.750	1.500				Elevator constructors' helpers.....	1.300	1.150
						Plasterers' laborers.....	1.350	1.000

DALLAS, TEX.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeymen			Journeymen—Continued			Journeymen—Continued		
Asbestos workers.....	\$1.875	\$1.750	Engineers—Power equipment operators—Continued			Sign painters.....	\$1.750	\$1.500
Home insulators.....	1.500	1.375	Pumps.....	\$1.500	\$1.125	Steam fitters.....	2.125	1.750
Bricklayers.....	2.250	1.938	2 or more.....	1.750	1.375	Stonemasons.....	2.250	1.938
Carpenters.....	1.875	1.425	Rollers.....	1.750	1.375	Structural-iron workers.....	2.000	1.625
Cement finishers.....	1.875	1.565	Shovels.....	2.000	1.625	Rodmen.....	1.750	1.375
Electricians (inside wiremen).....	2.000	1.750	Tractors.....	1.750	1.375	Tile layers.....	2.125	1.875
Elevator constructors.....	1.875	1.760	With power attachments.....	2.000	1.625			
Engineers—Power equipment operators:			Glaziers.....	1.625	1.500	Helpers and laborers		
Air compressors.....	1.750	1.375	Lathers.....	2.125	1.875	Bricklayers' tenders.....	1.150	1.000
Bulldozers.....	2.000	1.625	Marble setters.....	2.125	1.750	Building laborers.....	.950	.800
Cranes, derricks, and draglines.....	2.000	1.625	Mosaic and terrazzo workers.....	2.125	1.750	Elevator constructors' helpers.....	1.330	1.230
Graders:			Painters.....	1.875	1.425	Plasterers' laborers.....	1.150	1.000
Self-propelled.....	2.000	1.625	Spray or stage.....	2.125	1.625	Plumbers' laborers.....	.950	.800
Towed.....	1.750	1.375	Paperhangers.....	1.875	1.425			
Hoists:			Plasterers.....	1.875	1.750			
1 drum.....	1.750	1.375	Plumbers.....	2.125	1.750			
2 drums.....	2.000	1.625	Roofers:					
Mixers:			Composition.....	1.625	1.275			
Less than 14 cubic feet.....	1.750	1.375	Slate and tile.....	1.725	1.500			
14 cubic feet or over.....	2.000	1.625	Sheet-metal workers.....	2.000	1.750			

¹ Information not available.² On strike July 1, 1947. Rates listed effective as of July 31, 1947.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued
 [Hours per week 40, unless otherwise indicated]
 DAYTON, OHIO

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.625	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$1.975	\$1.750
Boilermakers.....	2.000	1.750	Rollers, asphalt.....	\$1.850	\$1.500	Sign painters.....	2.050	1.800
Bricklayers.....	2.325	2.025	Brick, grade, and macadam.....			Steam and sprinkler fitters.....	2.100	1.875
Carpenters.....	1.975	1.750	Scrapers.....	1.650	(1)	Stonemasons.....	2.325	2.025
Cement finishers.....	1.805	1.580	Shovels.....	1.975	1.625	Structural-iron workers.....	2.125	1.875
Electricians (inside wiremen).....	2.325	2.025	Tractors (pulling sheepfoot roller or grader).....	2.225	1.875	Rodmen.....	1.975	1.725
Elevator constructors.....	1.915	1.750	Trenching machines.....	1.650	(1)	Tile layers.....	2.000	1.750
Engineers—Power equipment operators:			Glaziers.....	1.975	1.625	<i>Helpers and laborers</i>		
Air compressors.....	1.850	1.625	Lathers.....	1.750	1.550	Bricklayers' tenders.....	1.475	1.250
Plant operation.....	1.975	(1)	Machinists.....	2.125	1.900	Building laborers.....	1.225	.975
On steel erection.....	2.225	1.875	Marble setters.....	2.000	1.650	Elevator constructors' helpers.....	1.340	1.225
Bulldozers.....	1.975	1.500	Mosaic and terrazzo workers.....	2.000	1.750	Marble setters' helpers.....	1.250	1.250
Cranes, derricks, and draglines.....	2.225	1.875	Painters.....	2.225	2.000	Plasterers' laborers.....	1.475	1.250
Graders.....	1.975	1.500	Spray.....	2.100	1.875	Plumbers' laborers.....	1.225	.975
Hoists.....	1.975	1.625	Structural iron and bridge.....	2.100	1.875	Terrazzo workers' helpers.....	1.250	1.250
Mixers:			Swing and scaffold.....	1.950	1.625	Base grinders.....	1.650	1.650
Concrete, with capacity of more than 1 bag or 1-bag capacity with side loaders.....	1.850	1.500	Paperhangers.....	2.100	1.625	Tile layers' helpers.....	1.250	1.250
Paving 27E and over (single drum).....	1.975	1.625	Plasterers.....	2.125	1.900			
Double drum.....	2.225	(1)	Plumbers.....	2.100	1.875			
Pumps, over 4-inch capacity discharge.....	1.850	1.500	Roofers:					
			Composition.....	1.775	1.550			
			Foremen.....	1.875	1.650			
			Slate and tile.....	1.975	1.750			

DENVER, COLO.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.925	\$1.750	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$1.875	\$1.700
Boilermakers.....	1.950	1.750	Rollers.....	\$1.850	\$1.700	Sign painters.....	2.000	1.850
Bricklayers.....	2.250	1.980	Shovels.....	2.000	1.825	Steam fitters.....	2.050	1.850
Sewer work.....	2.500	2.230	Tractors, over 35 horsepower.....	1.850	1.700	Stonemasons.....	2.250	1.980
Carpenters.....	1.875	1.700	Trenching machines.....	1.850	1.700	Structural-iron workers.....	1.875	1.700
Cement finishers.....	2.000	1.700	Glaziers (outside).....	1.695	1.520	Rodmen.....	1.875	1.700
Composition floor layers.....	2.125	1.825	Inside.....	1.545	1.370	Tile layers.....	2.150	1.900
Electricians (inside wiremen).....	2.050	1.850	Granite cutters (outside).....	1.713	1.563	<i>Helpers and laborers</i>		
Elevator constructors.....	2.080	1.860	Inside.....	1.650	1.500	Bricklayers' tenders.....	1.525	1.350
Engineers—Power equipment operators:			Surface-machine operators.....	1.713	1.531	Building laborers.....	1.275	1.100
Air compressors.....	1.850	1.700	Lathers.....	2.250	1.900	Elevator constructors' helpers.....	1.460	1.300
Bulldozers.....	1.850	1.700	Machinists.....	1.875	1.650	Marble setters' helpers.....	1.425	1.100
Cranes, derricks, and draglines.....	2.000	1.825	Marble setters.....	2.150	1.900	Plasterers' laborers.....	1.525	1.350
Graders.....	1.850	1.700	Mosaic and terrazzo workers.....	2.150	1.900	Plumbers' laborers.....	1.450	1.300
Hoists:			Painters.....	1.750	1.600	Terrazzo workers' helpers.....	1.350	1.100
1 drum.....	1.850	1.700	Paperhangers.....	1.750	1.600	Base-machine operators.....	1.625	1.250
2 drums.....	2.000	1.825	Plasterers.....	2.250	1.900	Floor-machine operators.....	1.500	1.000
Mixers:			Plumbers.....	2.050	1.850	Tile layers' helpers.....	1.425	1.100
Under 1 cubic yard.....	1.850	1.700	Roofers:					
1 cubic yard or over.....	2.000	1.825	Composition.....	1.875	1.700			
Pumps.....	1.850	1.700	Foremen.....	2.000	1.825			
			Slate and tile.....	1.875	1.700			

DES MOINES, IOWA

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.500	Engineers—Power equipment operators—Continued			Roofers:		
Bricklayers.....	2.125	2.000	Pumps:			Composition.....	\$1.300	\$1.150
Carpenters.....	1.800	1.600	3 inches or under.....	\$1.350	\$1.150	Slate and tile.....	1.300	1.150
Cement finishers.....	1.800	1.600	Over 3 inches.....	1.700	1.550	Sheet-metal workers.....	1.825	1.580
Electricians (inside wiremen).....	2.000	1.750	Rollers.....	1.700	1.550	Sign painters.....	1.625	1.450
Elevator constructors.....	2.000	1.555	Scrapers.....	1.700	1.550	Steam fitters.....	2.000	1.750
Engineers—Power equipment operators:			Shovels.....	1.900	1.700	Stonemasons.....	2.125	2.000
Air compressors.....	1.700	1.550	Tractors.....	1.700	1.550	Structural-iron workers.....	1.925	1.700
Bulldozers.....	1.700	1.550	Trenching machines.....	1.900	1.700	Rodmen.....	1.925	1.700
Cranes, derricks, and draglines.....	1.900	1.700	Glaziers.....	1.500	1.375	Tile layers.....	1.625	1.600
Graders.....	1.900	1.700	Lathers.....	2.000	1.750	<i>Helpers and laborers</i>		
Hoists:			Marble setters.....	1.625	1.600	Bricklayers' tenders.....	1.200	1.050
1 drum.....	1.700	1.550	Mosaic and terrazzo workers.....	1.625	1.600	Mortar mixers.....	1.300	1.150
2 drums.....	1.900	1.700	Painters.....	1.625	1.450	Building laborers.....	1.200	1.050
LeTourneau.....	1.900	1.700	Spray.....	1.875	1.700	Elevator constructors' helpers.....	1.400	1.090
Mixers:			Paperhangers.....	1.625	1.450	Marble setters' helpers.....	1.200	1.050
Under 2 bags.....	1.700	1.550	Plasterers.....	1.970	1.750	Plasterers' laborers.....	1.325	1.175
Paving type.....	1.900	1.700	Plumbers.....	2.000	1.750	Terrazzo workers' helpers.....	1.200	1.050
						Tile layers' helpers.....	1.200	1.050

¹ Information not available.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

DETROIT, MICH.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.150	\$1.900	Mosaic and terrazzo workers.....	\$2.125	\$1.750	Structural-iron workers.....	\$2.000	\$2.000
Home insulators.....	1.750	1.500	Painters.....	1.950	1.725	Riggers.....	1.900	1.750
Boilermakers.....	2.125	1.900	Spray and stage.....	2.200	1.975	Rodmen.....	1.900	1.750
Bricklayers.....	2.250	2.000	Paperhangers.....	1.950	1.725	Tile layers.....	2.125	1.875
Carpenters.....	2.025	1.750	Plasterers.....	2.250	2.000	<i>Helpers and laborers</i>		
Cement finishers.....	1.875	1.725	Residential.....	2.250	1.900	Bricklayers' tenders.....	1.425	1.150
Electricians (inside wiremen).....	2.250	2.000	Plumbers.....	2.165	1.900	Mortar mixers.....	1.500	1.250
Elevator constructors.....	2.000	1.910	Roofers:			Building laborers.....	1.425	1.150
Engineers—Power equipment operators:			Composition.....	2.000	1.750	Elevator constructors' helpers.....	1.400	1.340
Air compressors, concrete.....	1.750	1.438	Foremen.....	2.300	2.050	Marble setters' helpers.....	1.650	1.300
Building and road construction.....			Slate and tile:			Plasterers' laborers.....	1.750	1.500
Building.....	2.000	1.675	Slates.....	2.350	2.050	Sprinkler fitters' helpers.....	1.100	1.100
Steel erection.....	2.250	2.000	Precast tile.....	2.000	1.750	Terrazzo workers' helpers.....	1.725	1.350
Glaziers, outside.....	1.750	1.610	Sheet-metal workers.....	2.025	1.875	Base-machine operators.....	2.000	1.625
Lathers.....	2.250	1.900	Sign painters.....	2.100	1.950	Tile layers' helpers.....	1.650	1.300
Machinists.....	2.250	2.000	Steam fitters.....	2.165	2.000			
Marble setters.....	2.250	1.900	Sprinkler fitters.....	1.750	1.750			
			Stonemasons.....	2.250	2.000			

DULUTH, MINN.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Helpers and laborers</i>		
Boilermakers.....	\$2.000	\$1.750	Paperhangers.....	\$1.550	\$1.400	Bricklayers' tenders.....	\$1.250	\$1.100
Bricklayers.....	1.900	1.625	Plasterers.....	1.900	1.725	Building laborers.....	1.150	1.000
Carpenters.....	1.650	1.500	Plumbers.....	1.750	1.550	Semiskilled.....	1.250	1.100
Cement finishers.....	1.625	1.325	Roofers, composition.....	1.400	1.100	Composition roofers' helpers.....	1.050	.850
Electricians (inside wiremen).....	1.875	1.500	Foremen.....	1.600	1.300	Elevator constructors' helpers.....	1.160	1.040
Elevator constructors.....	1.655	1.490	Sheet-metal workers.....	1.750	1.500	Plasterers' laborers.....	1.500	1.150
Engineers—Power equipment operators*			Sign painters.....	1.800	1.650	Plumbers' laborers.....	1.250	1.100
Glaziers.....	1.350	1.200	Steam fitters.....	1.750	1.550			
Lathers.....	1.900	1.500	Stonemasons.....	1.900	1.625			
Marble setters.....	1.750	1.625	Structural-iron workers.....	1.900	1.750			
Painters.....	1.550	1.400	Rodmen.....	1.650	1.550			
Structural steel.....	1.750	1.500	Tile layers.....	1.750	1.625			

EL PASO, TEX

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$2.000	\$1.750	Mosaic and terrazzo workers.....	\$2.000	\$1.750	Sign painters.....	\$1.750	\$1.500
Carpenters.....	1.625	1.375	Painters.....	1.625	1.375	Steam fitters.....	2.000	1.750
Cement finishers.....	1.625	1.440	Stage.....	1.750	1.500	Stonemasons.....	2.000	1.750
Electricians (inside wiremen).....	2.000	1.750	Spray and structural steel.....	1.875	1.625	Structural-iron workers.....	1.750	1.500
Glaziers.....	1.625	1.375	Paperhangers.....	1.625	1.375	Rodmen.....	1.500	1.250
Lathers.....	2.000	1.750	Plasterers.....	2.000	1.750	Tile layers.....	2.000	1.750
Marble setters.....	2.000	1.750	Plumbers and gas fitters.....	2.000	1.750			

ERIE, PA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$2.125	\$1.950	Engineers—Power, equipment operators—Continued.			Structural-iron workers.....	\$2.000	\$1.750
Carpenters.....	1.750	1.525	Scrapers.....	\$1.900	\$1.625	Rodmen.....	1.850	1.600
Cement finishers.....	1.800	1.625	Shovels.....	2.100	1.750	Tile layers.....	1.900	1.700
Engineers—Power equipment operators:			Tractors.....	1.650	1.375	<i>Helpers and laborers</i>		
Air compressors.....	1.650	1.375	Trenching machines.....	1.900	1.625	Bricklayers' tenders:		
Bulldozers.....	1.800	1.500	Lathers.....	2.250	1.750	Using wheelbarrow.....	1.275	1.050
Cranes, derricks, and draglines.....	2.100	1.750	Marble setters.....	1.900	1.700	Using hod.....	1.375	1.150
Graders:			Mosaic and terrazzo workers.....	1.900	1.700	Building laborers.....	1.175	1.000
Elevating.....	2.100	1.750	Painters.....	1.600	1.425	Marble setters' helpers.....	1.300	1.100
Power.....	1.800	1.500	Spray.....	1.950	1.775	Plasterers' laborers.....	1.375	1.150
Hoists:			Swing and structural iron.....	1.700	1.525	Plumbers' laborers.....	1.275	1.100
1 drum.....	1.650	1.375	Paperhangers.....	1.600	1.425	Terrazzo workers' helpers.....	1.300	1.100
2 drums.....	2.100	1.750	Plasterers.....	2.000	1.850	Tile layers' helpers.....	1.300	1.100
Mixers:			Plumbers.....	1.900	1.625			
Less than 1 yard.....	1.650	1.375	Roofers:					
Paving.....	2.100	1.750	Composition.....	1.550	1.375			
Pumps.....	1.650	1.375	Slate and tile.....	1.550	1.375			
Rollers:			Sheet-metal workers.....	1.550	1.375			
On grade.....	1.650	1.375	Steam fitters.....	1.900	1.625			
On finish.....	1.800	1.500	Stonemasons.....	2.125	1.950			

* See Minneapolis, Minn.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

GRAND RAPIDS, MICH.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.625	Lathers.....	\$2.000	\$1.800	Structural-iron workers.....	\$1.900	\$1.725
Bricklayers.....	2.125	1.900	Marble setters.....	1.875	1.440	Rodmen.....	1.750	1.430
Carpenters.....	1.800	1.500	Mosaic and terrazzo workers.....	1.875	1.440	Tile layers.....	1.875	1.440
Cement finishers.....	1.750	1.500	Painters.....	1.450	1.250	<i>Helpers and laborers</i>		
Electricians (inside wiremen).....	2.000	1.750	Spray and swing stage.....	1.700	1.500	Bricklayers' tenders.....	1.200	.950
Elevator constructors.....	1.955	1.625	Paperhangers.....	1.450	1.250	Mortar mixers.....	1.275	1.050
Engineers—Power equipment operators:			Plasterers.....	2.000	1.800	Building laborers.....	1.200	.950
Air compressors:			Plumbers.....	2.000	1.625	Elevator constructors' helpers.....	1.370	1.145
Concrete.....	1.750	1.438	Roofers:			Marble setters' helpers.....	1.500	1.300
Steel.....	2.150	1.900	Composition.....	1.450	1.300	Plasterers' laborers.....	1.325	1.100
Building construction engineers, P. & H.....	2.000	1.675	Foremen.....	1.700	1.400	Terrazzo workers' helpers.....	1.500	1.300
Engineers on steel erection.....	2.150	1.900	Sheet-metal workers.....	1.700	1.400	Base-machine operators.....	1.700	1.500
Road construction.....	2.000	1.675	Sign painters.....	1.500	1.500	Tile layers' helpers.....	1.500	1.300
			Steam fitters.....	2.000	1.625			

HOUSTON, TEX.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.875	Engineers—Power equipment operators—Continued			Roofers:		
Boilermakers.....	2.000	1.750	Pumps, larger than 2 inches.....	\$1.750	\$1.500	Composition.....	\$1.625	\$1.375
Bricklayers.....	2.250	2.000	Scrapers:			Slate and tile.....	1.875	1.500
Carpenters.....	1.875	1.625	3 cubic yards or less.....	1.750	1.500	Sheet-metal workers.....	2.125	1.875
Cement finishers.....	1.875	1.625	Over 3 cubic yards.....	2.000	1.750	Sign painters.....	2.120	1.750
Electricians (inside wiremen).....	2.000	1.875	Tractors.....	1.750	1.500	Steam fitters.....	2.000	1.875
Elevator constructors.....	2.175	1.875	Trenching machines.....	2.000	1.750	Stonemasons.....	2.250	2.000
Engineers—Power equipment operators:			Glaziers.....	1.750	1.500	Structural-iron workers.....	2.000	1.875
Air compressors.....	1.750	1.500	Lathers.....	2.250	1.875	Rodmen.....	1.875	1.625
Bulldozers.....	2.000	1.750	Machinists.....	2.125	1.625	Sheeters.....	2.125	2.125
Cranes, derricks, and draglines.....	2.000	1.750	Marble setters.....	2.000	1.750	Tile layers.....	2.000	1.750
Graders, road and elevating:			Mosaic and terrazzo workers.....	2.000	1.750	<i>Helpers and laborers</i>		
Towed.....	1.750	1.500	Painters.....	1.750	1.500	Bricklayers' tenders.....	1.150	1.000
Self-propelled.....	2.000	1.750	Spray stage and steel spray stage.....	2.125	1.875	Building laborers.....	.950	.800
Hoists:			Steel spray.....	2.000	1.750	Elevator constructors' helpers.....	1.520	1.313
1 drum.....	1.750	1.500	Spray.....	2.125	1.750	Marble setters' helpers.....	1.250	1.000
2 drums.....	2.000	1.750	Structural steel and stage.....	2.000	1.625	Plasterers' laborers.....	1.250	1.000
Mixers:			Window sill.....	1.875	1.625	Plumbers' laborers.....	1.150	1.000
Less than 14 cubic feet.....	1.750	1.500	Paperhangers.....	1.750	1.500	Terrazzo workers' helpers.....	1.350	1.000
14 cubic feet or over.....	2.000	1.750	Plasterers.....	2.250	1.875	Tile layers' helpers.....	1.250	1.000
			Plumbers.....	2.125	1.875			

INDIANAPOLIS, IND.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.625	Engineers—Power equipment operators—Continued			Plumbers.....	\$2.100	\$1.850
Boilermakers.....	2.000	1.850	Pumps:			Roofers:		
Bricklayers.....	2.225	1.975	Over 21 inches.....	\$1.400	(¹)	Composition.....	1.550	1.350
Carpenters.....	1.975	1.675	Concrete.....	1.800	(¹)	Foremen.....	1.650	1.450
Cement finishers.....	1.750	1.575	Rollers:			Slate and tile.....	1.650	1.500
Electricians (inside wiremen).....	2.100	1.700	On earth.....	1.500	\$1.400	Sheet-metal workers.....	1.875	1.650
Elevator constructors.....	2.100	1.740	On stone, blacktop or brick.....	1.800	1.650	Sign painters.....	1.800	1.625
Engineers—Power equipment operators: ¹			Shovels.....	1.900	1.700	Steam fitters.....	2.100	1.850
Air compressors.....	1.350	1.200	Tractors.....	1.900	1.700	Sprinkler fitters.....	2.000	1.750
Bulldozers.....	1.800	1.650	Trenching machines.....	1.800	1.650	Stonemasons.....	2.225	1.975
Cranes, derricks, and draglines.....	1.900	1.700	Glaziers.....	1.875	1.425	Structural-iron workers.....	2.125	1.875
Graders:			Lathers.....	1.950	1.625	Rodmen.....	2.125	1.875
Elevating.....	1.800	1.650	Machinists.....	1.500	1.500	Tile layers.....	1.750	1.750
Form.....	1.500	1.400	Marble setters.....	1.750	1.750	<i>Helpers and laborers</i>		
Hoists.....	1.850	1.700	Mosaic and terrazzo workers.....	1.550	1.550	Bricklayers' tenders.....	1.400	1.175
Mixers:			Painters.....	1.875	1.625	Building laborers.....	1.175	.925
Under 21 cubic feet.....	1.850	1.200	Spray.....	2.125	1.875	Composition roofers' helpers.....	1.100	.950
21 cubic feet or over.....	2.750	1.650	Paperhangers.....	1.875	1.625	Elevator constructors' helpers.....	1.470	1.220
Dual drum.....	2.000	1.850	Plasterers.....	2.050	1.750	Plasterers' laborers.....	1.400	1.175
						Plumbers' laborers.....	1.175	.925

¹ Information not available.² Additional increased rates effective July 4, 1947.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

JACKSON, MISS.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$1.875	\$1.875	Engineers—Power equipment operators—Continued			Plumbers.....	\$1.750	\$1.625
Carpenters.....	1.500	1.250	Pumps, syphon and jets.....	\$1.250	\$1.250	Roofers:		
Cement finishers.....	1.750	1.500	Rollers.....	1.500	1.500	Composition.....	1.300	1.150
Electricians (inside wiremen).....	1.750	1.500	Scrapers.....	1.500	1.500	Slate and tile.....	1.300	1.150
Engineers—Power equipment operators:			Shovels.....	1.625	1.625	Sheet-metal workers.....	1.600	1.375
Air compressors.....	1.250	1.250	Tractors.....	1.250	1.250	Sign painters.....	1.500	1.500
Bulldozers.....	1.500	1.500	With power take-off.....	1.500	1.500	Steam fitters.....	1.750	1.625
Cranes, derricks, and draglines.....	1.625	1.625	Trenching machines.....	1.500	1.500	Stonemasons.....	1.875	1.875
Graders:			Glaziers.....	1.250	1.000	Structural-iron workers.....	1.750	1.500
Form.....	1.250	1.250	Lathers.....	1.500	1.250	Rodmen.....	1.500	1.250
Road with power blades.....	1.500	1.500	Marble setters.....	1.875	1.875	Tile layers.....	1.875	1.875
Hoists.....	1.500	1.500	Mosaic and terrazzo workers.....	1.875	1.875			
Mixers.....	1.500	1.500	Painters.....	1.500	1.250	<i>Helpers and laborers</i>		
With side loader of 1-bag capacity or more.....	1.375	1.375	Spray.....	1.500	1.500	Bricklayers' tenders.....	.800	.700
Without side loader of 1-bag capacity or more.....	1.250	1.250	Swing stage.....	2.000	1.500	Building laborers.....	.700	.600
			Paperhangers.....	1.500	1.375	Marble setters' helpers.....	.800	.700
			Plasterers.....	2.000	1.750	Plasterers' laborers.....	.800	.700

JACKSONVILLE, FLA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$1.550	\$1.550
Boilermakers.....	1.750	1.625	Rollers.....	\$1.500	\$1.250	Sign painters.....	1.875	1.500
Bricklayers.....	2.000	1.625	Shovels.....	1.750	1.500	Steam fitters.....	2.000	1.700
Carpenters.....	1.500	1.250	Tractors.....	1.500	1.250	Stonemasons.....	2.000	1.625
Millwrights and pile drivers.....	1.600	1.350	Glaziers.....	1.400	1.000	Structural-iron workers.....	1.875	1.625
Cement finishers.....	1.375	1.375	Lathers.....	2.000	1.750	Rodmen.....	1.500	1.375
Electricians (inside wiremen).....	1.750	1.750	Machinists.....	1.750	1.750	Tile layers.....	1.750	1.625
Elevator constructors.....	1.750	1.675	Marble setters.....	1.750	1.625			
Engineers—Power equipment operators:			Mosaic and terrazzo workers.....	1.750	1.625	<i>Helpers and laborers</i>		
Air compressors.....	1.500	1.250	Painters.....	1.500	1.250	Bricklayers' tenders.....	.800	.800
Bulldozers.....	1.500	1.250	Spray.....	1.875	1.875	Mortar mixers.....	.850	.850
Cranes, derricks, and draglines.....	1.750	1.500	Structural steel.....	1.625	1.625	Building laborers.....	.750	.750
Graders.....	1.500	1.250	Paperhangers.....	1.500	1.250	Elevator constructors' helpers.....	1.225	1.170
Hoists:			Plasterers.....	2.000	1.750	Plasterers' laborers.....	.800	.800
1 drum.....	1.500	1.250	Plumbers and gas fitters.....	2.000	1.700	Plumbers' laborers.....	.800	.800
2 drums.....	1.750	1.500	Roofers:			Tile layers' helpers.....	.800	.800
Mixers.....	1.500	1.250	Composition.....	1.350	1.125			
Pumps.....	1.150	1.000	Slate and tile.....	1.350	1.125			

KANSAS CITY, MO.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.750	Engineers—Power equipment operators—Continued:			Sheet-metal workers.....	\$2.025	\$1.875
Boilermakers.....	2.000	1.875	Mixers.....	\$1.900	\$1.750	Residential.....	1.500	1.500
Bricklayers.....	2.025	2.000	Pumps.....	1.900	1.750	Sign painters.....	2.250	2.000
Carpenters.....	1.900	1.750	Rollers.....	1.900	1.750	Steam fitters.....	2.125	1.875
Welders.....	2.025	1.750	Shovels.....	2.125	1.875	Stonemasons.....	2.000	1.750
Cement finishers.....	1.900	1.750	Tractors.....	1.400	1.250	Structural-iron workers.....	2.050	1.875
Composition.....	2.025	1.875	Trenching machines (hoe).....	2.125	1.875	Rodmen.....	1.925	1.750
Electricians (inside wiremen).....	2.025	1.875	Glaziers.....	2.000	1.875	Tile layers.....	2.000	1.775
Elevator constructors.....	1.925	1.925	Lathers.....	1.950	1.800			
Engineers—Power equipment operators:			Machinists.....	2.000	1.650	<i>Helpers and laborers</i>		
Air compressors.....	1.900	1.750	Marble setters.....	2.000	1.825	Bricklayers' tenders.....	1.500	1.350
2-inch tandem.....	2.125	1.875	Mosaic and terrazzo workers.....	2.000	1.775	Building laborers.....	1.325	1.175
Bulldozers.....	1.900	1.625	Painters.....	1.825	1.700	Elevator constructors' helpers.....	1.345	1.345
Cranes, derricks, and draglines.....	2.125	1.875	Paperhangers.....	1.825	1.700	Marble setters' helpers.....	1.375	1.225
Graders, elevating.....	1.900	1.625	Plasterers.....	2.250	2.000	Plasterers' laborers.....	1.500	1.350
Hoists:			Plumbers and gas fitters.....	2.125	1.875	Plumbers' laborers.....	1.375	1.225
1 drum.....	1.900	1.750	Roofers:			Terrazzo workers' helpers.....	1.400	1.225
2 drums.....	2.125	1.875	Composition.....	1.750	1.600	Tile layers' helpers.....	1.375	1.225
LeTourneau.....	1.900	1.750	Foremen.....	1.900	1.740			
			Slate and tile.....	1.750	1.600			

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

LITTLE ROCK, ARK.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Paperhangers.....	\$1.625	\$1.500
Bricklayers.....	2.000	1.875	Mixers:			Plasterers.....	2.000	1.750
Carpenters.....	1.500	1.375	108 or smaller.....	\$1.375	\$1.250	Plumbers.....	1.875	1.750
Cement finishers.....	1.750	1.500	Larger than 108.....	1.625	1.500	Sign painters.....	1.500	1.500
Electricians (inside wiremen).....	1.750	1.500	Pumps.....	1.375	1.250	Steam fitters.....	1.875	1.750
Elevator constructors.....	1.675	1.500	Rollers.....	1.500	1.375	Stonemasons.....	2.000	1.875
Engineers—Power equipment operators:			Shovels.....	1.750	1.500	Structural-iron workers.....	1.875	1.625
Air compressors.....	1.375	1.250	Trenching machines.....	1.750	1.500	Rodmen.....	1.625	1.375
Bulldozers.....	1.500	1.375	Glaziers.....	1.500	1.375	Tile layers.....	2.000	1.875
Cranes, derricks, and draglines.....	1.750	1.500	Marble setters.....	2.000	1.875	<i>Helpers and laborers</i>		
Graders, elevating.....	1.625	1.500	Mosaic and terrazzo workers.....	2.000	1.875	Bricklayers' tenders.....	1.125	1.000
Hoists:			Painters.....	1.500	1.375	Building laborers.....	.750	.700
1 drum.....	1.375	1.250	Spray.....	2.250	1.750	Elevator constructors' helpers.....	1.170	1.050
2 drums.....	1.750	1.500	Swing stage.....	1.875	1.750	Plumbers' laborers.....	.750	.750

LOS ANGELES, CALIF.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.750	Engineers—Power equipment operators—Continued			Roofers:		
Home insulators.....	1.750	1.400	Mixers:			Composition.....	\$1.750	\$1.430
Boilermakers.....	1.950	1.750	Paving type.....	\$2.000	\$1.650	Foremen.....	1.950	1.550
Bricklayers.....	2.375	1.850	Skip type.....	1.775	1.425	Slate and tile.....	1.750	1.430
Carpenters.....	1.900	1.500	Mobile type.....	2.000	1.550	Sheet-metal workers.....	1.940	1.750
Millwrights.....	2.100	1.700	Pumps.....	1.650	1.300	Sign painters.....	\$2.125	\$2.000
Parquetry floor layers.....	2.100	1.575	Rollers.....	1.850	1.500	Steam fitters.....	2.200	1.875
Wharf and bridge.....	2.025	1.725	Scrapers.....	1.900	1.550	Pipe line fitters.....	2.200	2.000
Cement finishers.....	1.975	1.625	Shovels:			Sprinkler fitters.....	2.000	1.750
Composition and mastic finishers.....	2.010	1.750	Capacity less than 1 cubic yard.....	2.100	1.625	Refrigerator fitters:		
Electricians (inside wiremen).....	2.150	1.750	Capacity 1 cubic yard or more.....	2.100	1.750	Certified journeymen.....	1.850	1.750
Fixture hangers.....	2.150	2.000	Tractors.....	1.900	1.550	Noncertified journeymen.....	1.850	1.500
Elevator constructors.....	2.150	1.700	Trenching machines.....	1.975	1.625	Stonemasons.....	2.375	1.850
Engineers—Power equipment operators:			Glaziers.....	1.840	1.350	Structural-iron workers.....	2.100	1.750
Air compressors.....	1.650	1.300	Granite cutters.....	1.750	1.500	Finishers.....	1.975	1.625
Bulldozers.....	1.900	1.550	Lathers:			Rodmen.....	1.775	1.625
Cranes, derricks, and draglines:			Metal.....	2.250	1.850	Tile layers.....	2.200	1.800
Capacity less than 1 cubic yard.....	2.100	1.625	Nail on.....	2.250	1.750	<i>Helpers and laborers</i>		
Capacity 1 cubic yard or more.....	2.100	1.750	Machinists.....	2.189	1.900	Bricklayers' tenders.....	1.625	1.375
Graders.....	1.775	1.425	Marble setters.....	1.950	1.625	Building laborers.....	1.350	1.000
Elevating.....	2.025	1.675	Mosaic and terrazzo workers.....	2.150	1.625	Elevator constructors' helpers.....	1.500	1.190
LeTourneau:			Painters.....	1.750	1.500	Marble setters' helpers.....	1.500	1.220
Model Super C.....	2.025	1.550	Spray.....	2.000	1.750	Plasterers' laborers.....	\$1.950	1.550
Models larger than Super C.....	2.025	1.675	Paperhangers.....	1.875	1.625	Steam fitters' helpers.....	1.450	1.350
			Plasterers.....	\$2.250	\$1.850	Pipe line helpers.....	1.450	1.250
			Plumbers and gas fitters.....	2.250	2.000	Sprinkler fitters' helpers.....	1.350	1.100
			Lead burners.....	2.500	2.250	Terrazzo workers' helpers.....	1.625	1.375
						Grinding- and base-machine operators.....	1.875	1.625
						Tile layers' helpers.....	1.600	1.250

* Hours per week, 30.

* Hours per week, 35.

* 30-hour week also effective for one union.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

LOUISVILLE, KY.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.725	\$1.725	Engineers—Power equipment operator—Continued.			Stonecutters.....	\$1.600	\$1.450
Boilermakers.....	2.000	1.750	Rollers:			Planemen.....	1.350	1.250
Bricklayers.....	2.000	1.800	Bituminous.....	\$1.750	\$1.650	Stone carvers.....	1.725	1.575
Carpenters.....	1.800	1.600	Earth.....	1.300	1.200	Stonemasons.....	2.000	1.800
Cement finishers.....	1.800	1.600	Rock.....	1.550	1.450	Structural-iron workers.....	1.850	1.725
Electricians (inside wiremen).....	1.925	1.725	Shovels.....	1.750	1.650	Rodmen.....	1.650	1.550
Elevator constructors.....	1.910	1.745	Tractors:			Tile layers.....	1.750	1.625
Engineers—Power equipment operators:			Under 50 horsepower.....	1.300	1.200			
Air compressors:			50 horsepower and over.....	1.550	1.450	<i>Helpers and laborers</i>		
Under 200 cubic feet per minute capacity.....	1.550	1.450	Trenching machines.....	1.750	1.650	Bricklayers' tenders.....	1.350	1.150
200 cubic feet per minute capacity and over.....	1.750	1.650	Glaziers.....	1.600	1.500	Building laborers.....	1.100	900
Bulldozers.....	1.750	1.650	Lathers.....	1.950	1.700	Elevator constructors' helpers.....	1.335	1.220
Cranes, derricks, and draglines.....	1.750	1.650	Machinists.....	1.850	1.750	Marble setters' helpers.....	1.000	1.000
Graders:			Marble setters.....	1.750	1.625	Plasterers' laborers.....	1.350	1.150
Form.....	1.550	1.450	Mosaic and terrazzo workers.....	1.750	1.625	Plumbers' laborers.....	1.100	900
Elevating.....	1.750	1.650	Painters.....	1.600	1.500	Terrazzo workers' helpers.....	1.000	1.000
Hoists.....	1.750	1.650	Paperhangers.....	1.250	1.250	Base grinders.....	1.250	1.250
LeTourneau.....	1.750	1.650	Plasterers.....	2.100	1.750	Tile layers' helpers.....	1.000	1.000
Mixers:			Plumbers.....	1.950	1.725			
Under 21 cubic feet.....	1.550	1.450	Roofers:					
21 cubic feet and over.....	1.750	1.650	Composition.....	1.400	1.250			
Pumps.....	1.300	1.200	Slate and tile.....	1.675	1.525			
Concrete.....	1.750	1.650	Sheet-metal workers.....	1.700	1.500			
			Sign painters.....	1.875	1.750			
			Steam fitters.....	1.950	1.725			

MADISON, WIS.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.825	\$1.675	Engineers—Power equipment operator—Continued.			Roofers:		
Bricklayers.....	2.000	1.750	Rollers.....	\$1.750	\$1.600	Composition.....	\$1.600	\$1.375
Carpenters.....	1.700	1.600	Scrapers.....	1.750	1.600	Slate and tile, transite.....	1.700	1.500
Cement finishers.....	1.700	1.475	Shovels.....	1.900	1.750	Sheet-metal workers.....	1.800	1.500
Electricians (inside wiremen).....	1.900	1.600	Tractors.....	1.550	1.400	Sign painters.....	1.500	1.500
Elevator constructors.....	1.795	1.675	Glaziers.....	1.700	1.350	Steam fitters.....	1.900	1.750
Engineers—Power equipment operators:			Lathers.....	2.000	1.675	Stonemasons.....	2.000	1.750
Air compressors:			Marble setters.....	2.000	1.750	Structural-iron workers.....	1.850	1.625
Sewer and tunnel.....	1.350	1.200	Mosaic and terrazzo workers.....	1.950	1.400	Rodmen.....	1.850	1.625
Bulldozers.....	1.550	1.400	Painters.....	1.650	1.500	Tile layers.....	1.750	1.500
Cranes, derricks, and draglines.....	1.900	1.750	Steel (over 3 floors) or swing stage.....	1.800	1.650			
Hoists.....	1.600	1.450	Spray.....	1.900	1.750	<i>Helpers and laborers</i>		
Mixers:			Paperhangers.....	1.650	1.500	Bricklayers' tenders.....	1.300	1.000
When paver is used.....	1.750	1.600	Plasterers.....	2.125	1.750	Mortar mixers.....	1.450	1.150
Concrete.....	1.750	1.600	Plumbers.....	1.900	1.750	Building laborers.....	1.300	1.000
Sewer and tunnel.....	1.300	1.300				Elevator constructors' helpers.....	1.255	1.100
						Plasterers' laborers.....	1.500	1.350
						Plumbers' laborers.....	1.300	1.000

MANCHESTER, N. H.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$1.875	\$1.875	Engineers—Power equipment operator—Continued.			Plasterers.....	\$1.875	\$1.875
Carpenters.....	1.500	1.375	Mixers:			Plumbers.....	1.750	1.500
Cement finishers.....	1.875	1.875	Small.....	\$1.050	\$1.050	Steam fitters.....	1.750	1.500
Electricians (inside wiremen).....	1.500	1.250	Road.....	1.700	1.500	Stonemasons.....	1.875	1.875
Engineers—Power equipment operators:			Pumps.....	1.500	1.500	Structural-iron workers.....	2.000	1.800
Air compressors:			Rollers:			Rodmen.....	2.000	1.800
220 cubic feet and under.....	1.150	1.150	5 tons and under.....	1.400	1.150	Tile layers.....	1.875	1.875
315 cubic feet and over.....	1.400	1.400	Over 5 tons.....	1.400	1.400			
Cranes, derricks, and draglines.....	1.900	1.900	Shovels.....	1.900	1.900	<i>Helpers and laborers</i>		
Hoists.....	1.500	1.500	Tractors.....	1.500	1.500	Bricklayers' tenders.....	1.250	1.050
			Painters.....	1.250	1.150	Building laborers.....	1.050	900
			Paperhangers.....	1.250	1.150	Plasterers' laborers.....	1.250	1.050

* Hours per week, 44.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

MEMPHIS, TENN.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued.			Plasterers.....	\$2.250	\$1.875
Boilermakers.....	1.750	1.625	Mixers, mobiles.....	\$1.500	\$1.375	Plumbers.....	2.000	1.750
Bricklayers.....	2.250	1.938	108 or smaller.....	1.250	1.250	Roofers:		
Carpenters.....	1.650	1.500	Larger than 108.....	1.625	1.500	Composition.....	1.750	1.625
Cement finishers.....	1.650	1.500	Pumps, on excavation.....	1.250	1.000	Slate and tile.....	1.750	1.625
Machine operators.....	1.775	1.625	Under 3-inch discharge.....	.850	.850	Sheet-metal workers.....	1.750	1.625
Electricians (inside wiremen).....	2.000	1.750	Rollers, top.....	1.625	1.500	Sign painters.....	2.000	1.750
Elevator constructors.....	2.050	1.750	Shovels.....	1.875	1.750	Stonemasons.....	2.250	1.938
Engineers—Power equipment operators:			Tractors, truck and 40 horsepower or less.....	1.250	1.250	Structural-iron workers.....	1.750	1.625
Air compressors:			Over 40 horsepower.....	1.500	1.375	Rodmen.....	1.625	1.500
Portable.....	1.250	1.250	Trenching machines.....	1.625	1.500	Tile layers.....	2.000	1.750
Stationary.....	1.500	1.375	Glaziers.....	1.500	1.300	<i>Helpers and laborers</i>		
Bulldozers.....	1.625	1.500	Lathers.....	1.750	1.563	Bricklayers' tenders.....	1.100	1.000
Cranes, derricks, and draglines.....	1.875	1.750	Marble setters.....	2.000	1.750	Building laborers.....	.825	.750
Graders.....	1.625	1.500	Mosaic and terrazzo workers.....	2.000	1.750	Composition roofers' helpers.....	.750	.750
Holsts:			Painters.....	1.625	1.500	Elevator constructors' helpers.....	1.435	1.225
1 drum.....	1.500	1.375	Spray and structural steel.....	1.750	1.625	Plasterers' laborers.....	1.000	1.000
2 drums.....	1.750	1.625	Paperhangers.....	1.625	1.500	Plumbers' laborers.....	1.125	1.125
LeTourneau.....	1.625	1.625						

MILWAUKEE, WIS.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.825	\$1.675	Engineers—Power equipment operators—Continued.			Sign painters.....	\$2.000	\$1.750
Boilermakers.....	2.000	1.750	Scrapers.....	\$2.000	\$1.700	Steam fitters.....	2.000	1.700
Bricklayers.....	2.000	1.825	Shovels.....	2.150	1.850	Sprinkler fitters.....	2.000	1.580
Sewer, tunnel and caisson.....	2.050	1.900	Tractors:			Stonemasons.....	1.625	1.450
Carpenters.....	1.800	1.600	Over 40 horsepower.....	2.000	1.500	Stonemasons.....	2.000	1.825
Millwrights.....	1.800	1.575	Under 40 horsepower.....	1.800	1.500	Structural-iron workers.....	1.850	1.700
Wharf and bridge.....	1.825	1.625	Glaziers.....	1.850	1.550	Rodmen.....	1.713	1.565
Cement finishers.....	1.750	1.600	Lathers.....	2.000	1.750	Tile layers.....	1.900	1.750
Finishing machines.....	1.850	1.600	Machinists.....	1.650	1.500	<i>Helpers and laborers</i>		
Electricians (inside wiremen).....	1.850	1.650	Marble setters.....	1.900	1.725	Bricklayers' tenders.....	1.450	1.300
Residential.....	1.850	1.350	Mosaic and terrazzo workers.....	1.950	1.675	Building laborers.....	1.350	1.200
Elevator constructors.....	1.795	1.690	Painters.....	1.650	1.500	Composition roofers' helpers.....	1.000	1.000
Engineers—Power equipment operators:			Swing and stage:			Elevator constructors' helpers.....	1.255	1.180
Air compressors.....	1.600	1.300	Under 80 feet.....	1.800	1.650	Marble setters' helpers.....	1.450	1.275
Bulldozers:			80 feet or more.....	1.900	1.750	Plasterers' laborers.....	1.575	1.300
Over 40 horsepower.....	2.000	1.500	Spray.....	1.775	1.625	Plumbers' laborers.....	1.650	1.250
Under 40 horsepower.....	1.800	1.500	Structural iron.....	1.900	1.750	Secondmen.....	1.550	1.150
Cranes, derricks, and draglines.....	2.150	1.850	Plasterers.....	2.000	1.750	Sprinkler fitters' helpers.....	1.350	.950
Holsts.....	1.850	1.650	Plumbers.....	2.000	1.700	Terrazzo workers' helpers.....	1.450	1.300
Mixers, on building.....	1.800	1.600	Roofers:			Base-machine operators.....	1.600	1.450
When paver is used.....	2.000	1.600	Composition.....	1.700	1.350	Tile layers' helpers.....	1.400	1.300
Pumps.....	1.550	1.250	Built-up roofers.....	1.700	1.450			
Concrete.....	2.000	1.700	Slate and tile.....	1.850	1.700			
			Sheet-metal workers.....	1.850	1.650			

MINNEAPOLIS, MINN.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.650	Engineers—Power equipment operators—Continued			Sign painters.....	\$1.950	\$1.825
Boilermakers.....	2.000	1.750	Shovels.....	\$2.000	\$1.850	Steam fitters.....	2.000	1.750
Bricklayers.....	2.075	1.825	Tractors:			Sprinkler fitters.....	2.000	1.580
Carpenters.....	1.800	1.650	60 horsepower or less, without power take-off.....	1.350	1.200	Stonemasons.....	2.075	1.825
Cement finishers.....	1.825	1.825	60 horsepower or less with power take-off or over 60 horsepower without.....	1.850	1.500	Structural-iron workers.....	2.000	1.750
Composition floor.....	2.075	2.075	Trenching machines.....	1.850	1.700	Rodmen.....	1.875	1.625
Electricians (inside wiremen).....	2.060	1.850	Glaziers.....	1.550	1.400	Tile layers.....	1.900	1.700
Elevator constructors.....	2.075	1.660	Lathers.....	2.250	1.850	<i>Helpers and laborers</i>		
Engineers—Power equipment operators:			Machinists.....	1.750	1.650	Bricklayers' tenders.....	1.400	1.150
Air compressors.....	1.550	1.400	Marble setters.....	1.900	1.700	Building laborers.....	1.300	1.150
Bulldozers.....	1.850	1.700	Mosaic and terrazzo workers.....	1.900	1.700	Composition roofers' helpers.....	1.300	1.150
Cranes, derricks, and draglines.....	2.000	1.850	Painters.....	1.800	1.625	Elevator constructors' helpers.....	1.450	1.165
Graders.....	1.650	1.550	Swing.....	1.850	1.705	Marble setters' helpers.....	1.300	1.150
Blade.....	1.650	1.500	Paperhangers.....	1.800	1.625	Plasterers' laborers.....	1.850	1.450
Elevating.....	1.650	1.550	Plasterers.....	2.250	1.850	Plumbers' laborers.....	1.400	1.250
Holsts, 1 drum.....	1.850	1.700	Plumbers.....	2.000	1.750	After 3 years.....	1.600	1.350
LeTourneau.....	1.850	1.700	Roofers:			Sprinkler fitters' helpers.....	1.350	.950
Mixers, concrete.....	1.850	1.750	Composition.....	1.730	1.580	Terrazzo workers' helpers.....	1.400	1.200
14S and under.....	1.650	1.500	Foremen.....	1.830	1.680	Base-machine helpers.....	1.550	1.350
Over 14S.....	1.850	1.700	Slate and tile.....	1.730	1.580	Tile layers' helpers.....	1.300	1.150
Pumps.....	1.550	1.400	Sheet-metal workers.....	1.900	1.600			
Rollers:								
Under 8 tons.....	1.650	1.500						
8 tons or over.....	1.850	1.700						

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

MOBILE, ALA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$2.000	\$1.875	Engineers—Power equipment operators—Continued			Roofers—Continued		
Carpenters.....	1.625	1.500	Rollers:			Slate and tile.....	\$1.625	\$1.375
Pile drivers and dock builders.....	1.750	1.500	Street and road.....	\$1.500	\$1.250	Sheet-metal workers.....	1.625	1.375
Cement finishers.....	1.625	1.625	Road.....	1.750	1.500	Sign painters.....	1.625	1.652
Electricians (inside wiremen).....	1.875	1.625	Scrapers.....	1.750	1.500	Steam fitters.....	2.000	1.750
Elevator constructors.....	1.800	1.550	Shovels.....	1.750	1.500	Stonemasons.....	2.000	1.875
Engineers—Power equipment operators:			Tractors.....	1.500	1.250	Structural-iron workers.....	2.000	1.750
Air compressors.....	1.500	1.250	Trenching machines.....	1.750	1.500	Rodmen.....	1.750	1.500
Bulldozers.....	1.750	1.500	Glaziers.....	1.500	1.250	Tile layers.....	2.000	1.875
Cranes, derricks, and draglines.....	1.750	1.500	Lathers (metal).....	1.750	1.500	<i>Helpers and laborers</i>		
Graders.....	1.500	1.250	Marble setters.....	2.000	1.875	Bricklayers' tenders.....	.900	.750
Elevating.....	1.750	1.500	Mosaic and terrazzo workers.....	2.000	1.875	Mortar mixers.....	1.000	.850
Hoists:			Painters.....	1.500	1.375	Building laborers.....	.900	.650
1 drum (under 56 feet).....	1.500	1.250	Swing, stage and structural.....	1.750	1.625	Composition roofers' helpers.....	.900	.750
2 drums or more.....	1.750	1.500	Spray.....	2.125	2.000	Elevator constructors' helpers.....	1.260	1.082
LeTourneau.....	1.750	1.500	Paperhangers.....	1.500	1.375	Marble setters' helpers.....	.900	.750
Mixers:			Plasterers.....	1.625	1.625	Plasterers' laborers.....	.900	.750
108 or larger.....	1.750	1.500	Plumbers.....	2.000	1.750	Tile layers' helpers.....	.900	.750
Under 108.....	1.500	1.250	Roofers:					
Pumps, under 3-inch discharge.....	1.500	1.250	Composition.....	1.625	1.375			
			Foremen.....	1.750	1.500			

NASHVILLE, TENN.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Plasterers.....	\$2.250	\$1.750
Bricklayers.....	2.000	1.875	Mixers:			Plumbers.....	1.900	1.750
Carpenters.....	1.600	1.400	118 or smaller, 2 bag.....	\$1.250	\$1.250	Roofers:		
Cement finishers.....	1.500	1.250	Larger than 118.....	1.625	1.500	Composition.....	1.350	1.250
Electricians (inside wiremen).....	1.875	1.750	Pumps, 4-inch and larger.....	1.250	(1)	Slate and tile.....	1.350	1.250
Elevator constructors.....	1.930	1.640	Rollers.....	1.625	1.500	Sheet-metal workers.....	1.600	1.375
Engineers—Power equipment operators:			Scrapers (under 12 yards).....	1.600	1.375	Sign painters.....	1.650	1.500
Air compressors:			Shovels.....	1.875	1.750	Steam fitters.....	1.900	1.750
1 portable.....	1.250	1.250	Tractors, 40 horsepower or less.....	1.375	1.250	Stonemasons.....	2.000	1.875
2 in tandem stationary.....	1.500	1.375	Over 40 horsepower.....	1.600	1.375	Structural-iron workers.....	1.875	1.625
Bulldozers.....	1.625	1.500	With power take-off.....	1.625	1.500	Rodmen.....	1.750	1.500
Cranes, derricks, and draglines.....	1.875	1.750	Trenching machines.....	1.625	1.500	<i>Helpers and laborers</i>		
Graders, road.....	1.500	1.375	Glaziers.....	1.425	1.250	Bricklayers' tenders.....	.875	.875
Blade, elevating and motor.....	1.625	(1)	Lathers.....	1.750	1.725	Mortar mixers.....	.875	.875
Hoists:			Marble setters.....	1.875	1.625	Building laborers.....	.750	.750
1 drum.....	1.500	1.375	Mosaic and terrazzo workers.....	1.750	1.500	Elevator constructors' helpers.....	1.351	1.150
2 or more drums.....	1.750	1.625	Painters.....	1.500	1.450	Plasterers' laborers.....	.875	.875
LeTourneau.....	1.750	1.625	Spray.....	1.750	1.700	Plumbers' laborers.....	.750	.750
			Paperhangers.....	1.500	1.450			

NEWARK, N. J.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.250	\$2.000	Engineers—Power equipment operators—Continued			Sign painters.....	\$2.150	\$2.000
Home insulators.....	1.400	1.250	Rollers.....	\$2.500	\$2.150	Inside.....	1.900	1.714
Boilermakers.....	2.500	2.250	Scrapers.....	2.500	2.150	Steam fitters.....	2.250	2.000
Bricklayers.....	\$2.750	2.250	Shovels.....	2.750	2.375	Sprinkler fitters.....	1.750	1.750
Carpenters.....	\$2.500	2.300	Tractors.....	2.500	2.150	Stonemasons.....	\$2.750	2.250
Wharf and bridge.....	2.500	2.100	Trenching machines.....	2.750	2.375	Structural-iron workers.....	2.500	2.250
Cement finishers.....	\$2.750	2.250	Glaziers.....	2.000	1.875	Rodmen.....	2.500	2.250
Electricians (inside wiremen).....	2.500	2.250	Lathers.....	2.250	2.100	Tile layers.....	2.500	1.938
Elevator constructors.....	2.500	2.250	Machinists.....	2.400	2.000	<i>Helpers and laborers</i>		
Engineers—Power equipment operators:			Painters.....	\$1.900	\$1.825	Bricklayers' tenders.....	\$1.750	\$1.400
Air compressors.....	2.750	2.375	Structural steel.....	\$2.000	\$2.000	Building laborers.....	\$1.750	\$1.400
Bulldozers.....	2.125	1.750	Paperhangers.....	\$2.000	\$1.714	Composition roofers' helpers.....	\$1.145	\$1.145
Cranes, derricks, and draglines.....	2.750	2.375	Plasterers.....	\$2.750	2.250	Elevator constructors' helpers.....	1.850	1.670
Steel erection.....	2.750	2.500	Plumbers.....	2.250	2.000	Plasterers' laborers.....	\$1.750	\$1.400
Graders.....	2.500	2.150	Roofers:			Steam fitters' helpers.....	1.500	1.375
Hoists:			Composition.....	\$2.500	\$1.976	Sprinkler fitters' helpers.....	1.100	1.100
Steel erection.....	2.750	2.500	Foremen.....	\$2.750	\$2.127	Tile layers' helpers.....	1.900	1.438
Mixers.....	2.500	2.150	Slate and tile.....	2.500	2.100			
LeTourneau.....	2.500	2.150	Sheet-metal workers.....	2.500	2.250			
Pumps.....	2.500	2.150						

¹ Information not available.² Hours per week, 35.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

NEW HAVEN, CONN.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Helpers and laborers</i>		
Asbestos workers.....	\$1.925	\$1.750	Marble setters.....	\$2.150	\$1.900	Bricklayers' tenders.....	\$1.350	\$1.125
Bricklayers.....	2.150	1.900	Mosaic and terrazzo workers.....	2.150	1.900	Building laborers.....	1.350	1.125
Carpenters.....	1.875	1.500	Painters.....	1.800	1.650	Composition roofers' helpers.....	1.250	1.250
Cement finishers.....	2.150	1.900	Paperhangers.....	1.900	1.650	Elevator constructors' helpers.....	1.650	1.225
Electricians (inside wiremen).....	1.875	1.625	Plasterers.....	2.150	1.900	Marble setters' helpers.....	1.375	1.125
Elevator constructors.....	1.875	1.625	Plumbers.....	1.900	1.625	Plasterers' laborers.....	1.350	1.125
Engineers—Power equipment operators:	2.210	1.755	Roofers:			Terrazzo workers' helpers.....	1.375	1.125
Air compressors.....	1.825	1.825	Composition.....	1.750	1.625	Tile layers' helpers.....	1.375	1.125
Bulldozers.....	1.500	1.500	Foremen.....	2.000	1.875			
Cranes, derricks, and draglines.....	2.000	1.825	Brick and tile.....	2.125	1.950			
Graders.....	1.825	1.825	Sheet-metal workers.....	2.000	1.750			
Hoists.....	2.000	1.825	Sign painters.....	1.800	1.650			
Mixers.....	1.825	1.825	Steam fitters.....	1.900	1.625			
Pumps.....	1.825	1.825	Stonemasons.....	2.150	1.900			
Rollers.....	1.825	1.825	Structural-iron workers.....	2.250	2.000			
Shovels.....	2.000	1.825	Rodmen.....	2.250	2.000			
			Tile layers.....	2.150	1.900			

NEW ORLEANS, LA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.875	\$1.750	Engineers—Power equipment operators—Continued.			Sign painters.....	\$1.050	\$1.750
Home insulators.....	1.450	1.300	Rollers:			Steam and sprinkler fitters.....	2.050	1.750
Boilermakers.....	2.000	1.750	Brick, asphalt or subgrade.....	\$1.875	\$1.675	Stonemasons.....	1.938	1.750
Bricklayers.....	1.938	1.750	Except on brick, asphalt or subgrade.....	1.625	1.425	Structural-iron workers.....	1.875	1.750
Carpenters.....	1.625	1.500	Shovels.....	1.875	1.675	Rodmen.....	1.625	1.500
Millwrights.....	1.750	1.500	Tractors, snatch cats.....	1.500	1.250	Tile layers.....	1.750	1.625
Cement finishers.....	1.625	1.500	Trenching machines.....	1.875	1.675			
Electricians (inside wiremen).....	2.000	1.750	Glaziers.....	1.500	1.313	<i>Helpers and laborers</i>		
Elevator constructors.....	1.790	1.590	Lathers.....	2.000	1.775	Bricklayers' tenders.....	1.000	.950
Engineers—Power equipment operators:			Marble setters.....	1.938	1.750	Mortar mixers.....	1.100	1.050
Air compressors.....	1.625	1.425	Mosaic and terrazzo workers.....	1.750	1.625	Building laborers.....	.900	.800
Cranes, derricks, and draglines.....	1.875	1.675	Painters.....	1.500	1.250	Composition roofers' helpers.....	.900	.800
Graders, blade.....	1.625	1.425	Structural steel and spray.....	1.750	1.500	Elevator constructors' helpers.....	1.250	1.100
Hoists:			Paperhangers.....	1.500	1.250	Marble setters' helpers.....	.900	.750
1 drum.....	1.625	1.425	Plasterers.....	1.875	1.625	Plasterers' laborers.....	1.100	.950
2 drums.....	1.875	1.675	Plumbers.....	2.050	1.750	Plumbers' laborers.....	.950	.800
Mixers:			Roofers:			Terrazzo workers' helpers.....	.900	.750
Paving.....	1.875	1.675	Composition.....	1.450	1.300	Tile layers' helpers.....	.900	.750
Small.....	1.625	1.425	Foremen.....	1.675	1.450			
Pumps, 3-inch suction or more.....	1.625	1.425	Slate and tile.....	1.450	1.300			
			Sheet-metal workers.....	1.600	1.450			

NEW YORK, N. Y.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.300	\$2.250	Granite cutters (outside).....	\$2.429	\$2.286	Sign painters.....	\$2.290	\$2.089
Boilermakers.....	2.500	2.250	Lathers:			Outdoor advertising.....	3.070	2.790
Bricklayers.....	2.750	2.250	Brooklyn.....	2.500	2.167	Steam and sprinkler fitters.....	2.300	2.250
Carpenters.....	2.500	2.100	Bronx, Manhattan, and Richmond.....	3.000	2.167	Stonecutters.....	2.429	2.179
Wharf and bridge.....	2.500	2.100	Queens, Nassau, and Suffolk.....	2.545	2.545	Stonemasons.....	2.750	2.250
Cement finishers.....	2.300	2.100	Metal and wire.....	2.300	2.100	Rough masonry.....	2.500	2.250
Electricians (inside wiremen).....	2.250	2.000	Machinists.....	2.500	2.000	Structural-iron workers.....	2.500	2.250
Alterations and repairs.....	1.500	1.350	Marble setters.....	2.500	2.100	Finishers (ornamental).....	2.500	2.100
Elevator constructors.....	2.500	2.250	Mosaic and terrazzo workers.....	2.500	2.100	Rodmen.....	2.300	2.100
Engineers—Power equipment operators:			Painters:			Tile layers.....	2.500	1.938
Air compressors.....	2.500	2.250	Decorators and grainers.....	2.500	1.886			
Steel.....	2.250	1.875	Swing and stage.....	2.286	2.100	<i>Helpers and laborers</i>		
Cranes and derricks.....	2.850	2.500	Steel.....	2.250	2.050	Bricklayers' tenders.....	1.780	1.500
Draglines, steel derricks, and cranes.....	2.875	2.500	Plasterers.....	3.000	2.250	Building laborers.....	1.500	1.400
Graders.....	2.875	2.500	Plumbers.....	2.250	2.000	Excavating.....	1.500	1.250
Hoists.....	2.500	2.250	Brooklyn and Queens.....	2.813	2.250	Concrete workers.....	1.780	1.400
Mixers.....	2.250	2.250	Staten Island.....	2.857	2.285	Elevator constructors' helpers.....	1.850	1.670
Pumps.....	2.250	1.875	Roofers:			Plasterers' laborers.....	2.100	1.630
Concrete.....	2.500	2.250	Composition.....	2.500	1.850	Brooklyn.....	2.050	1.675
Rollers.....	2.375	2.075	Foremen.....	2.750	1.990	Plumbers' laborers.....	1.500	1.500
Scrapers.....	2.500	2.250	Slate and tile.....	2.500	2.250	Terrazzo workers' helpers.....	1.900	1.495
Shovels.....	2.875	2.500	Brooklyn.....	2.500	2.400	Tile layers helpers.....	2.000	1.438
Trenching machines.....	2.875	2.500	Sheet-metal workers.....	2.300	2.250			
Glaziers.....	2.500	2.136						

* Hours per week, 30.

* Hours per week, 35.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

NORFOLK, VA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Jouruemen—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued.			Plasterers.....	\$1.875	\$1.625
Bricklayers.....	2.000	1.750	LeTourneau.....	\$1.875	\$1.625	Plumbers.....	1.875	1.625
Carpenters.....	1.500	1.300	Mixers.....	1.625	1.375	Sheet-metal workers.....	1.600	1.400
Millwrights.....	1.850	1.600	Pumps.....	1.625	1.375	Sign painters.....	1.500	1.375
Pile drivers and dock builders.....	1.375	1.150	Rollers.....	1.625	1.375	Steam fitters.....	1.875	1.625
Cement finishers.....	1.500	1.250	Shovels.....	1.875	1.625	Stonemasons.....	2.000	1.750
Electricians (inside wiremen).....	1.800	1.625	Tractors.....	1.625	1.375	Structural-iron workers.....	1.750	1.750
Elevator constructors.....	1.800	1.625	Trenching machines.....	1.875	1.625	Rodmen.....	1.500	1.500
Engineers—Power equipment operators:			Glaziers.....	1.500	1.375	Tile layers.....	2.000	1.625
Air compressors.....	1.625	1.375	Lathers.....	1.875	1.625			
Bulldozers.....	1.750	1.500	Marble setters.....	2.000	1.625	<i>Helpers and laborers</i>		
Cranes, derricks, and draglines.....	1.875	1.625	Mosaic and terrazzo workers.....	2.000	1.625	Bricklayers' tenders.....	.850	.750
Graders.....	1.625	1.375	Painters.....	1.500	1.375	Building laborers.....	.800	.650
Hoists:			Spray.....	1.625	1.500	Elevator constructors' helpers.....	1.260	1.140
1 drum.....	1.625	1.375	Seafold, and structural steel.....	1.750	1.625	Plasterers' laborers.....	.850	.750
2 drums.....	1.875	1.625	Paperhangers.....	1.500	1.375			

OKLAHOMA CITY, OKLA.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.875	\$1.750	Painters.....	\$1.675	\$1.500	Stonemasons.....	\$2.500	\$1.938
Bricklayers.....	2.500	1.938	Structural steel.....	1.900	1.700	Structural-iron workers.....	1.675	1.500
Carpenters.....	1.800	1.625	Spray.....	1.900	1.875	Rodmen.....	1.675	1.500
Millwrights.....	1.975	1.666	Swing stage.....	2.000	1.750	Tile layers.....	2.000	1.875
Parquetry floor layers.....	1.800	1.625	Paperhangers.....	1.675	1.500			
Pile drivers.....	1.975	1.666	Plasterers.....	2.250	1.875	<i>Helpers and laborers</i>		
Cement finishers.....	1.900	1.725	Plumbers.....	2.000	1.750	Bricklayers' tenders.....	1.125	1.000
Electricians (inside wiremen).....	2.000	1.750	Roofers:			Building laborers.....	.975	.850
Elevator constructors.....	1.920	1.640	Composition.....	1.400	1.250	Elevator constructors' helpers.....	1.320	1.150
Glaziers.....	1.500	1.250	Foremen.....	1.525	1.375	Plasterers' laborers.....	1.125	1.000
Lathers.....	2.100	1.725	Slate and tile.....	1.400	1.250	Plumbers' laborers.....	1.125	1.000
Marble setters.....	2.000	1.875	Sheet-metal workers.....	1.750	1.500			
Mosaic and terrazzo workers.....	2.000	1.875	Steam fitters.....	2.000	1.750			

OMAHA, NEBR.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.825	\$1.650	Engineers—Power equipment operators—Continued.			Sign painters.....	\$1.500	\$1.375
Bricklayers.....	2.100	1.825	Shovels.....	\$2.000	\$1.750	Steam fitters.....	2.000	1.750
Carpenters.....	1.825	1.625	Tractors.....	1.750	1.375	Stonemasons.....	2.100	1.825
Millwrights.....	1.950	1.625	Trenching machines.....	2.000	1.500	Structural-iron workers.....	1.925	1.750
Cement finishers.....	1.825	1.625	Glaziers.....	1.550	1.400	Rodmen.....	1.925	1.750
Electricians (inside wiremen).....	2.000	1.750	Lathers.....	2.000	1.700	Tile layers.....	1.750	1.600
Elevator constructors.....	1.760	1.590	Marble setters.....	1.750	1.600			
Engineers—Power equipment operators:			Mosaic and terrazzo workers.....	1.750	1.600	<i>Helpers and laborers</i>		
Air compressors.....	1.625	1.375	Painters.....	1.500	1.375	Bricklayers' tenders.....	1.125	.850
Bulldozers.....	1.750	1.375	Swing stage.....	1.825	1.500	Hod carriers.....	1.250	.900
Graders.....	1.750	(¹)	Spray or structural steel.....	1.750	1.625	Building laborers.....	1.125	.700
Cranes, derricks, and draglines.....	2.000	1.750	Paperhangers.....	1.500	1.375	Elevator constructors' helpers.....	1.230	1.110
Hoists.....	1.750	1.500	Plasterers.....	2.000	1.750	Marble setters' helpers.....	1.150	1.000
Mixers.....	1.750	1.375	Plumbers.....	2.000	1.750	Hod carriers.....	1.250	.900
Paving.....	2.000	(¹)	Roofers:			Plasterers' laborers.....	1.250	.850
Pumps.....	1.750	1.375	Composition.....	1.500	1.375	Terrazzo workers' helpers.....	1.150	1.000
Rollers.....	1.750	1.375	Foremen.....	1.700	1.475	Base-machine operators.....	1.250	1.100
Scrapers.....	1.750	(¹)	Slate and tile.....	1.700	1.475	Tile layers' helpers.....	1.150	1.000
			Sheet-metal workers.....	1.750	1.500	Sewer.....	1.125	.900

¹ Information not available.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

PEORIA, ILL.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.150	\$1.950	Engineers—Power equipment operators—Continued			Plasterers.....	\$2.250	\$2.000
Boilermakers.....	2.000	1.850	Mixers—Continued			Plumbers.....	2.125	1.875
Repair work.....	2.000	1.650	3-bag to 21 E capacity.....	\$1.700	\$1.581	Roofers:		
Bricklayers.....	2.250	1.925	Paving, 21 E and larger.....	2.125	1.725	Composition.....	1.875	1.625
Sewer.....	2.500	2.175	Pumps:			Foremen.....	2.000	1.750
Carpenters.....	2.000	1.750	Water.....	1.750	1.375	Slate and tile.....	1.875	1.625
Cement finishers.....	2.000	1.750	Concrete.....	2.125	1.725	Sheet-metal workers.....	2.000	1.750
Electricians (inside wiremen).....	2.125	1.750	Rollers:			Sign painters.....	1.875	1.750
Elevator constructors.....	1.910	1.700	On asphalt or brick.....	2.125	1.725	Steam fitters.....	2.125	1.875
Engineers—Power equipment operators:			On earth, 5 tons or less.....	1.750	1.250	Stonemasons.....	2.250	1.925
Air compressors.....	1.900	1.375	Scrapers.....	2.125	1.725	Structural-iron workers.....	2.125	1.875
Bulldozers.....	2.125	1.725	Shovels.....	2.125	1.725	Rodmen.....	2.125	1.875
Cranes, derricks, and draglines.....	2.125	1.725	Tractors, straight cats.....	2.125	1.438	Tile layers.....	2.150	1.825
Graders.....	2.125	1.725	Trenching machines.....	2.125	1.725			
Form.....	1.750	1.438	Glaziers.....	1.875	1.625	<i>Helpers and laborers</i>		
Holsts:			Lathers.....	2.000	1.750	Bricklayers' tenders.....	1.370	1.125
1 drum.....	1.850	(1)	Machinists.....	2.000	1.750	Building laborers.....	1.370	1.125
2 or more drums.....	2.125	1.725	Marble setters.....	2.150	1.825	Elevator constructors' helpers.....	1.335	1.190
Le Tourneau.....	2.125	1.825	Mosaic and terrazzo workers.....	1.875	(1)	Plasterers' laborers.....	1.500	1.250
Mixers:			Painters.....	1.750	1.575			
Under 3 bags.....	1.600	1.250	Swing stage and spray.....	2.000	1.815			
			Paperhangers.....	1.750	1.575			

PHILADELPHIA, PA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.250	\$1.875	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$2.250	\$2.000
Home insulators.....	1.200	1.000	Shovels:			Sign painters.....	1.900	1.780
Boilermakers.....	2.000	1.750	Daily unit.....	\$2.750	\$2.500	Outside advertising.....	2.020	1.900
Bricklayers.....	2.500	2.250	Weekly unit.....	2.500	2.250	Steam fitters.....	2.250	2.000
Residential.....	2.400	2.000	Tractors with scrapers or carryalls:			Residential.....	2.250	1.875
Carpenters.....	2.000	1.775	Daily unit.....	2.375	2.250	Oil-burner fitters.....	2.250	1.875
Floor layers (residential).....	2.000	1.625	Weekly unit.....	2.125	2.000	Sprinkler fitters.....	1.750	1.750
Cement finishers.....	2.000	1.750	All other equipment on building and construction work not mentioned:			Stonemasons.....	2.000	1.875
Electricians (inside wiremen).....	2.250	2.000	Daily unit.....	2.375	2.250	Structural-iron workers.....	2.400	2.150
Elevator constructors.....	2.380	1.910	Weekly unit.....	2.125	2.000	Rodmen.....	2.000	1.775
Engineers—Power equipment operators:			30 feet or over above the ground.....	2.075	1.900	Tile layers.....	2.000	1.875
Air compressors:			Granite cutters (inside).....	1.750	1.625			
Daily unit.....	2.250	2.250	Outside.....	2.000	1.875	<i>Helpers and laborers</i>		
Weekly unit.....	2.000	2.000	Lathers.....	2.250	2.000	Bricklayers' tenders.....	1.100	1.025
Bulldozers:			Residential.....	1.875	1.875	Residential.....	1.300	1.125
Daily unit.....	2.125	2.000	Machinists.....	2.000	1.650	Building laborers.....	1.100	1.025
Weekly unit.....	1.875	1.750	Marble setters.....	2.050	1.750	Residential.....	1.100	1.000
Cranes, derricks, and draglines:			Mosaic and terrazzo workers.....	2.125	1.875	Elevator constructors' helpers.....	1.660	1.340
Daily unit.....	2.750	2.500	Painters.....	1.900	1.750	Marble setters' helpers.....	1.450	1.275
Weekly unit.....	2.500	2.250	Steel, swing stage or spray.....	2.025	1.875	Plasterers' laborers.....	1.625	1.375
Graders, elevating:			Paperhangers.....	1.750	1.625	Residential.....	1.625	1.500
Daily unit.....	2.375	2.250	Plasterers.....	2.500	2.000	Sprinkler fitters' helpers.....	1.100	1.100
Weekly unit.....	2.125	2.000	Plumbers.....	2.250	2.000	Terrazzo workers' helpers.....	1.650	1.400
Holsts:			Roofers:			Tile layers' helpers.....	1.460	1.275
Daily unit.....	2.500	2.375	Composition.....	1.900	1.575			
Weekly unit.....	2.250	2.125	Foremen.....	2.150	1.725			
Pumps:			Slate and tile.....	2.300	1.875			
Daily unit.....	2.250	2.250						
Weekly unit.....	2.000	2.000						
Rollers:								
Daily unit.....	2.250	2.250						
Weekly unit.....	2.000	2.000						

1 Information not available.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

PHOENIX, ARIZ.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.750	Engineers—Power equipment operators—Continued.			Sheet-metal workers.....	\$1.750	\$1.500
Boilermakers.....	1.950	1.750	Rollers.....	\$1.650	\$1.500	Sign painters.....	\$2.125	\$2.000
Bricklayers.....	2.000	2.000	Shovels.....	1.900	1.750	Steam fitters.....	2.000	1.750
Carpenters.....	1.775	1.625	Tractors.....	1.700	1.550	Stonemasons.....	2.000	2.000
Electricians (inside wiremen)	1.900	1.625	Trenching machines.....	1.775	1.625	Structural-iron workers.....	1.900	1.750
Elevator constructors.....	2.150	1.700	Glaziers.....	1.500	1.375	Rodmen.....	1.775	1.625
Engineers—Power equipment operators:			Painters.....	1.650	1.500			
Air compressors.....	1.450	1.300	Spray.....	1.825	1.675	<i>Helpers and laborers</i>		
Bulldozers.....	1.700	1.550	Structural steel.....	1.900	1.750	Bricklayers' tenders.....	1.525	1.375
Cranes, derricks, and draglines	1.900	1.750	Swing stage.....	1.900	1.625	Building laborers.....	1.150	1.000
Graders, elevating.....	1.825	1.675	Paperhangers.....	1.800	1.625	Elevator constructors' helpers	1.500	1.190
Tow blade.....	1.675	1.425	Plasterers.....	2.000	2.000	Marble setters' helpers.....	1.250	1.000
Holists, elevating.....	1.700	1.500	Plumbers.....	2.000	1.750	Plasterers' laborers.....	1.725	1.575
LeTourneau.....	1.825	1.675	Roofers:			Terrazzo workers' helpers.....	1.250	1.150
Mixers.....	1.800	1.650	Composition.....	1.600	1.430	Tile layers' helpers.....	1.250	1.000
Pumps.....	1.450	1.300	Foremen.....	1.850	1.680			
Concrete, skip type.....	1.675	1.425	Slate and tile.....	1.600	1.430			

PITTSBURGH, PA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.875	Engineers—Power equipment operators—Continued.			Sheet-metal workers.....	\$1.875	\$1.875
Boilermakers.....	2.000	1.750	Shovels.....	\$2.400	\$1.813	Sign painters:		
Bricklayers.....	2.450	2.150	Tractors.....	2.300	1.600	Under 70 feet.....	2.000	1.875
Carpenters.....	2.000	2.000	Trenching machines.....	2.400	1.813	Over 70 feet.....	2.250	2.125
Cement finishers.....	2.000	2.000	Glaziers.....	1.820	1.685	Steam fitters.....	2.150	1.875
Electricians (inside wiremen)	2.250	2.000	Lathers.....	2.250	2.000	Sprinkler fitters.....	2.125	1.750
Elevator constructors.....	2.030	1.850	Residential.....	2.000	1.688	Stonemasons.....	2.250	1.750
Engineers—Power equipment operators:			Machinists.....	2.000	1.750	Structural-iron workers.....	2.250	1.750
Air compressors.....	2.300	1.750	Marble setters.....	2.000	1.750	Rodmen.....	2.250	1.750
Bulldozers.....	2.300	1.500	Mosaic and terrazzo workers.....	2.188	1.875	Tile layers.....	2.000	1.725
Cranes, derricks, and draglines	2.400	1.813	Painters.....	2.000	1.850			
Graders:			Grainers.....	2.330	2.160	<i>Helpers and laborers</i>		
Road.....	2.300	1.500	Paperhangers.....	2.000	1.850	Bricklayers' tenders.....	1.400	1.400
Elevating.....	2.400	1.813	Plasterers.....	2.250	2.000	Building laborers.....	1.150	1.150
Holists:			Plumbers and gas fitters.....	2.250	2.000	Elevator constructors' helpers	1.420	1.295
1 drum.....	2.300	1.750	Roofers:			Marble setters' helpers.....	1.333	1.000
2 drums.....	2.400	1.813	Composition.....	2.000	1.800	Plasterers' laborers.....	1.400	1.400
LeTourneau.....	2.400	1.813	Foremen.....	2.125	1.925	Plumbers' laborers.....	1.250	1.250
Mixers.....	2.300	1.750	Slate and tile.....	2.000	1.835	Terrazzo workers' helpers.....	1.500	1.375
Pumps.....	2.300	1.750	Slab work.....	2.000	1.875	Tile layers' helpers.....	1.333	1.125
Rollers.....	2.300	1.750						

PORTLAND, MAINE

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Helpers and laborers</i>		
Bricklayers.....	\$1.850	\$1.850	Painters.....	\$1.250	\$1.250	Bricklayers' tenders.....	\$1.100	\$1.100
Carpenters.....	1.600	1.375	Paperhangers.....	1.250	1.250	Building laborers.....	1.000	1.000
Cement finishers.....	1.850	1.850	Plasterers.....	1.750	1.600	Elevator constructors' helpers	1.190	1.020
Electricians (inside wiremen)	1.600	1.450	Plumbers.....	1.750	1.650	Plasterers' laborers.....	1.200	1.200
Elevator constructors.....	1.700	1.450	Steam fitters.....	1.750	1.650	Steam fitters' helpers.....	1.050	1.050
Marble setters.....	1.850	1.850	Stonemasons.....	1.850	1.850	Terrazzo workers' helpers.....	1.100	1.100
Mosaic and terrazzo workers.....	1.850	1.850	Tile layers.....	1.850	1.850			

* Hours per week, 35.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

PORTLAND, OREG.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeyman			Journeyman—Continued			Journeyman—Continued		
Asbestos workers.....	\$2.000	\$1.750	Engineers—Power equipment operators—Continued			Paperhangers.....	\$1.900	\$1.550
Boilermakers.....	1.950	1.750	Mixers:			Plasterers.....	2.100	1.875
Bricklayers.....	2.100	1.875	1 to 5 bags.....	\$1.700	\$1.500	Plumbers and gas fitters.....	2.125	1.875
Carpenters.....	1.750	1.550	5 bags and over.....	1.850	1.650	Roofers:		
Floor layers.....	1.875	1.675	Pumps:			Composition.....	1.800	1.600
Wharf and dock.....	1.850	1.650	Rollers:			Foremen.....	1.925	1.725
Shinglers.....	1.850	1.650	Grade and surfacing.....	1.600	1.400	Slate and tile.....	1.900	1.600
Millwrights.....	2.000	1.750	Finishing, high type.....	1.850	1.650	Sheet-metal workers.....	1.825	1.625
Cement finishers.....	1.825	1.575	Shovels:			Sign painters.....	2.125	2.000
Composition, mastic and gunitite workers.....	1.950	1.700	Under 1 cubic yard.....	2.000	1.800	Steam fitters.....	2.125	1.875
Electricians (inside wiremen).....	1.875	1.700	1 to 5 cubic yards.....	2.100	1.900	Oil burner fitters.....	1.875	1.640
Elevator constructors.....	2.030	1.665	Over 5 cubic yards.....	2.350	2.150	Stonemasons.....	2.100	1.875
Engineers—Power equipment operators:			Tractors:			Structural-iron workers.....	1.950	1.750
Air compressors.....	1.700	1.500	50 horsepower and under.....	1.750	1.550	Rodmen.....	1.750	1.650
Cranes, derricks, and draglines:			Over 50 horsepower.....	1.950	1.750	Tile layers.....	2.000	1.750
Under 1 cubic yard.....	2.000	1.800	Tandem carry-all.....	2.200	2.000	Helpers and laborers		
1 to 5 cubic yards.....	2.100	1.900	Trenching machines.....	1.850	1.650	Bricklayers' tenders.....	1.600	1.400
Over 5 cubic yards.....	2.350	2.150	Glaziers.....	1.815	1.615	Building laborers.....	1.350	1.150
Graders, elevating.....	1.850	1.650	Lathers.....	2.000	1.800	Elevator constructors' helpers.....	1.420	1.165
Hoists:			Marble setters.....	2.000	1.750	Plasterers' laborers.....	1.600	1.400
1 drum.....	1.800	1.600	Mosaic and terrazzo workers.....	2.000	1.450	Plumbers' laborers.....	1.350	1.150
2 drums.....	2.050	1.850	Painters:					
Steel erection.....	2.000	1.800	Spray.....	1.900	1.700			
			Structural steel and swing stage.....	1.900	1.700			

PROVIDENCE, R. I.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeyman			Journeyman—Continued			Journeyman—Continued		
Asbestos workers.....	\$1.800	\$1.650	Glaziers.....	\$1.550	\$1.350	Structural-iron workers.....	\$2.000	\$1.725
Boilermakers.....	2.000	1.750	Granite cutters.....	1.625	1.500	Rodmen.....	2.000	1.725
Bricklayers.....	2.050	1.825	Lathers.....	2.000	1.800	Tile layers.....	1.750	1.500
Tunnel, sewer caisson.....	2.300	2.075	Marble setters.....	1.750	1.500	Helpers and laborers		
Carpenters.....	1.650	1.500	Mosaic and terrazzo workers.....	1.750	1.500	Bricklayers' tenders.....	1.200	1.000
Cement finishers.....	1.750	1.550	Painters.....	(10)	1.375	Building laborers.....	1.200	1.000
Electricians (inside wiremen).....	1.850	1.625	Structural steel.....	(10)	1.625	Composition roofers' helpers.....	900	900
Elevator constructors.....	1.910	1.620	Paperhangers.....	(10)	1.375	Elevator constructors' helpers.....	1.340	1.150
Engineers—Power equipment operators:			Plasterers.....	2.000	1.700	Marble setters' helpers.....	1.150	1.150
Air compressors.....	1.925	1.675	Plumbers.....	2.000	1.700	Plasterers' laborers.....	1.500	1.250
All digging machines.....	2.250	2.000	Roofers:			Terrazzo workers' helpers.....	1.150	1.150
Graders, motor.....	1.625	1.375	Composition.....	1.550	1.300	Tile layers' helpers.....	1.150	1.150
Hoists:			Slate and tile.....	1.750	1.500			
1 drum.....	1.925	1.675	Sheet-metal workers.....	1.750	1.500			
2 drums.....	2.250	2.000	Sign painters.....	1.500	1.500			
Pumps.....	1.925	1.675	Steam fitters.....	2.000	1.700			
Rollers.....	1.925	1.675	Stonemason.....	2.050	1.825			
Tractors.....	1.625	1.375						

READING, PA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeyman			Journeyman—Continued			Journeyman—Continued		
Asbestos workers.....	\$2.000	\$1.875	Painters.....	\$1.600	\$1.420	Stonemasons.....	\$2.000	\$1.750
Bricklayers.....	2.000	1.750	Spray.....	1.950	1.750	Structural-iron workers.....	2.250	1.875
Carpenters.....	1.750	1.500	Steel.....	1.750	1.600	Rodmen.....	2.050	1.675
Cement finishers.....	1.800	1.500	Paperhangers.....	1.600	1.420	Tile layers.....	2.000	1.583
Electricians (inside wiremen):			Plasterers.....	2.250	1.720	Helpers and laborers		
Class A.....	1.750	1.500	Plumbers.....	1.875	1.650	Bricklayers' tenders.....	1.400	1.250
Class B.....	1.500	1.250	Roofers:			Building laborers.....	1.100	950
Elevator constructors.....	2.050	1.660	Composition.....	1.650	1.350	Composition roofers' helpers.....	1.250	1.100
Engineers—Power equipment operators: ¹¹			Slate and tile.....	1.650	1.450	Elevator constructors' helpers.....	1.435	1.092
Glaziers.....	1.625	1.500	Sheet-metal workers.....	1.750	1.500	Plasterers' laborers.....	1.400	1.250
30 feet or over above the ground.....	1.775	1.650	Sign painters.....	1.350	1.000	Plumbers' laborers.....	1.100	950
Lathers.....	1.875	1.750	Outside advertising.....	1.350	1.100			
			Steam fitters.....	1.875	1.650			

¹⁰ Work stoppage July 1, 1947.¹¹ See Philadelphia, Pa.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

RICHMOND, VA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Paperhangers.....	\$1.500	\$1.250
Bricklayers.....	2.250	1.875	Pumps:			Plasterers.....	2.000	1.625
Carpenters.....	1.650	1.300	2-inch discharge.....	\$1.400	\$1.200	Plumbers.....	1.875	1.625
Millwrights.....	1.900	1.500	Over 2-inch discharge.....	1.625	1.375	Roofers, composition.....	1.650	1.300
Cement finishers.....	1.625	1.250	Rollers:			Sheet-metal workers.....	1.625	1.400
Electricians (inside wiremen).....	1.900	1.625	Earth.....	1.625	1.375	Sign painters.....	1.750	1.635
Elevator constructors.....	1.770	1.660	Asphalt.....	1.750	1.500	Steam fitters.....	1.875	1.625
Engineers—Power equipment operators:			Scrapers, wheel type.....	1.875	1.625	Stonemasons.....	2.250	1.875
Air compressors.....	1.625	1.375	Shovels.....	1.875	1.625	Structural-iron workers.....	2.000	1.725
Bulldozers.....	1.750	1.500	Tractors, with attachments.....	1.875	1.625	Rodmen.....	1.750	1.450
Cranes, derricks, and draglines.....			Without attachments.....	1.625	1.375	Tile layers.....	1.625	1.375
Graders, blade.....	1.875	1.625	Trenching machines.....	1.875	1.625	<i>Helpers and laborers</i>		
Motor.....	1.625	1.375	Glaziers.....	1.600	1.250	Elevator constructors' helpers.....	1.240	1.160
Hoists:			Lathers.....	1.875	1.500			
1 drum.....	1.625	1.375	Machinists.....	1.750	1.500			
2 drums.....	1.875	1.625	Marble setters.....	1.750	1.500			
Mixers:			Mosaic and terrazzo workers.....	1.625	1.375			
Larger than 10S.....	1.625	1.375	Painters.....	1.500	1.250			
10S or smaller.....	1.500	1.250	Spray.....	1.950	1.600			
			Structural steel.....	1.750	1.500			

ROCHESTER, N. Y.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.100	\$1.800	Engineers—Power equipment operators—Continued			Roofers—Continued		
Boilermakers.....	2.150	1.750	High finish asphalt and cold provis.....	\$2.000	(¹)	Slate and tile.....	\$1.775	\$1.575
Bricklayers.....	2.100	1.960	Scrapers.....	1.875	\$1.750	Sheet-metal workers.....	1.875	1.675
Carpenters.....	1.910	1.710	Shovels:			Sign painters.....	1.900	1.800
Cement finishers.....	2.100	1.960	Under 2 yards.....	2.125	(¹)	Steam fitters.....	2.100	1.750
Electricians (inside wiremen).....	2.100	1.875	2 yards or over.....	2.250	(¹)	Stonemasons.....	2.100	1.960
Elevator constructors.....	1.965	1.825	Trenching machines:			Structural-iron workers.....	2.100	1.750
Engineers—Power equipment operators:			Under 24-inch bucket.....	1.750	(¹)	Rodmen.....	2.100	1.750
Air compressors:			24-inch bucket and over.....	2.000	(¹)	Tile layers.....	1.960	1.750
815 cubic feet and over.....	1.750	(¹)	Glaziers.....	1.650	1.400	<i>Helpers and laborers</i>		
2 in a battery.....	2.000	(¹)	Lathers.....	2.075	1.865	Bricklayers' tenders.....	1.300	1.135
Bulldozers.....	1.750	1.625	Marble setters.....	1.960	1.750	Building laborers.....	1.300	1.135
Cranes and derricks.....	2.250	2.125	Mosaic and terrazzo workers.....	1.960	1.750	Composition roofers' helpers.....	1.300	1.250
Draglines.....	2.125	2.000	Painters.....	1.775	1.625	Elevator constructors' helpers.....	1.375	1.280
Hoists.....	2.125	2.000	Structural iron and bridge.....	1.875	1.625	Marble setters' helpers.....	1.320	1.150
LeTourneau.....	1.875	1.750	Spray.....	2.025	1.875	Plasterers' laborers.....	1.300	1.135
Mixers, concrete (under 27E).....	1.750	(¹)	Paperhangers.....	1.775	1.625	Plumbers' laborers.....	1.050	.875
Pumps.....	1.750	(¹)	Plasterers.....	2.100	1.960	Steam fitters' helpers.....	1.050	.875
Concrete.....	2.125	2.000	Plumbers and gas fitters.....	2.100	1.750	Terrazzo workers' helpers.....	1.320	1.150
Rollers:			Roofers:			Tile layers' helpers.....	1.320	1.150
Sheepfoot.....	1.625	(¹)	Composition.....	1.775	1.575			

ROCK ISLAND, (ILL.) DISTRICT ¹²

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.750	Engineers—Power equipment operators—Continued			Roofers—Continued		
Boilermakers.....	1.850	1.850	Pumps.....	\$1.500	\$1.400	Slate and tile.....	\$1.820	\$1.563
Bricklayers.....	2.100	1.850	Rollers, asphalt.....	1.950	1.700	Sheet-metal workers.....	1.825	1.550
Carpenters.....	1.850	1.600	Shovels.....	1.950	1.700	Sign painters.....	1.875	1.600
Wharf and bridge.....	2.000	1.600	Tractors, side boom.....	1.950	1.700	Steam fitters.....	2.000	1.625
Millwrights.....	1.980	1.600	Without power attachment.....	1.750	1.550	Structural-iron workers.....	1.980	1.730
Cement finishers.....	1.835	1.585	Trenching machines.....	1.950	1.700	Rodmen.....	1.980	1.730
Electricians (inside wiremen).....	2.005	1.750	Glaziers.....	1.900	1.650	Tile layers.....	1.625	1.625
Elevator constructors.....	2.040	1.630	Lathers.....	2.000	1.750	<i>Helpers and laborers</i>		
Engineers—Power equipment operators:			Marble setters.....	1.625	1.625	Bricklayers' tenders.....	1.250	1.050
Air compressors.....	1.500	1.400	Mosaic and terrazzo workers.....	1.625	1.625	Building laborers.....	1.250	1.050
Bulldozers.....	1.950	1.700	Painters.....	1.875	1.600	Ditch or tunnel work.....	1.350	1.100
Cranes, derricks, and draglines.....	1.950	1.700	Steel and swing stage.....	2.000	1.750	Elevator constructors' helpers.....	1.430	1.140
Graders:			Paperhangers.....	1.875	1.600	Marble setters' helpers.....	1.100	.900
Elevating.....	1.950	1.700	Plasterers.....	2.125	1.850	Plasterers' laborers.....	1.500	1.250
Form.....	1.750	1.550	Plumbers.....	2.000	1.625	Plumbers' laborers.....	1.250	1.050
Hoists.....	1.950	1.700	Roofers:			Terrazzo workers' helpers.....	1.100	.900
Mixers.....	1.500	1.400	Composition.....	1.820	1.563	Base grinders (floor).....	1.100	1.100
Paving type.....	1.950	1.700	Foremen.....	1.940	1.688	Tile layers' helpers.....	1.000	.900

¹ Information not available.¹² Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

ST. LOUIS, MO.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.125	\$1.875	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$2.125	\$1.875
Boilermakers.....	2.000	1.750	Rollers.....	\$1.850	\$1.650	Sign painters.....	2.150	1.875
Bricklayers.....	2.250	2.000	Asphalt.....	2.400	2.200	Steam fitters.....	2.125	1.875
Sewer work, over 6 feet.....	2.500	2.250	Shovels.....	2.400	2.200	Sprinkler fitters.....	2.125	1.875
Carpenters.....	2.200	1.875	Tractors:			Stonemasons.....	2.250	1.875
Composition.....	2.150	1.950	Caterpillar.....	1.850	1.650	Structural-iron workers.....	2.250	2.000
On swinging scaffold.....	2.400	2.200	With power take-off.....	2.400	2.200	Rodmen.....	2.250	2.000
Electricians (inside wiremen).....	2.275	2.075	Trenching machine, large.....	2.400	2.200	Tile layers.....	1.950	1.700
Elevator constructors.....	2.250	1.875	Small.....	2.125	1.925			
Engineers—Power equipment operators:			Glaziers.....	2.040	1.875	<i>Helpers and laborers</i>		
Air compressors.....	1.850	1.650	Lathers.....	2.250	2.050	Bricklayers' tenders.....	1.650	1.325
Two in tandem.....	2.400	2.200	Residential.....	2.000	1.750	Building laborers.....	1.350	1.200
Bulldozers.....	1.850	1.650	Machinists.....	2.000	1.500	Elevator constructors' helpers.....	1.670	1.305
Cranes, derricks, and draglines.....	2.400	2.200	Marble setters.....	2.000	1.750	Marble setters' helpers.....	1.250	1.050
Graders.....	2.400	2.200	Mosaic and terrazzo workers.....	2.000	1.750	Plasterers' laborers.....	1.750	1.438
Form.....	1.850	1.650	Painters.....	1.800	1.660	Plumbers' laborers.....	1.600	1.325
Hoists.....	1.850	1.650	Paperhangers.....	1.800	1.660	Sprinkler fitters' helpers.....	1.325	1.225
LeTourneau.....	2.400	2.200	Plasterers.....	2.250	1.900	Terrazzo workers' helpers.....	1.550	1.300
Mixers.....	1.850	1.650	Plumbers.....	2.250	1.875	Base-machine operators.....	1.675	1.425
Paving.....	2.400	2.200	Roofers:			Tile layers' helpers.....	1.250	1.050
Concrete.....	2.400	2.200	Composition.....	2.000	1.750			
Pumps.....	1.850	1.650	Foremen.....	2.250	1.875			
Concrete.....	2.400	2.200	Slate and tile.....	1.875	1.875			
			Precast slab.....	2.000	2.000			

ST. PAUL, MINN.

Classification	July 1, 1947	July 1, 1946	Classification	July 1, 1947	July 1, 1946	Classification	July 1, 1947	July 1, 1946
Asbestos workers.....	\$2.000	\$1.650	Paperhangers.....	\$1.750	\$1.650	Bricklayers' tenders.....	\$1.300	\$1.150
Bricklayers.....	2.075	1.825	Plasterers.....	2.000	*1.850	Mortar mixers.....	1.400	1.250
Tuck pointing, etc.....	2.200	1.950	Plumbers.....	2.000	1.750	Building laborers.....	1.800	1.150
Carpenters.....	1.800	1.650	Roofers:			Composition roofers' helpers.....	1.300	1.150
Cement finishers.....	1.825	1.625	Composition.....	1.730	1.580	Elevator constructors' helpers.....	1.450	1.165
Electricians (inside wiremen).....	2.060	1.850	Foremen.....	1.830	1.680	Marble setters' helpers.....	1.300	1.150
Elevator constructors.....	2.075	1.660	Slate and tile.....	1.730	1.580	Plasterers' laborers.....	1.650	1.450
Engineers—Power equipment operators:			Sheet-metal workers.....	1.900	1.750	Plumbers' laborers.....	1.300	1.150
Glaziers.....	1.550	1.400	Sign painters.....	1.950	1.825	Sprinkler fitters' helpers.....	1.350	.950
Lathers.....	2.000	1.850	Steam fitters.....	2.000	1.750	Terrazzo workers' helpers:		
Machinists.....	1.750	1.650	Sprinkler fitters.....	2.000	1.580	Floor-machine operators.....	1.400	1.200
Marble setters.....	1.900	1.700	Stonemasons.....	2.075	1.825	Base-machine operators.....	1.550	1.350
Mosaic and terrazzo workers.....	1.900	1.700	Structural-iron workers.....	2.000	1.750	Tile setters' helpers.....	1.300	1.150
Painters.....	1.750	1.650	Rodmen.....	1.875	1.625			
Structural steel, swing stage, and spray.....	1.890	1.790	Tile layers.....	1.900	1.700			

SALT LAKE CITY, UTAH

Classification	July 1, 1947	July 1, 1946	Classification	July 1, 1947	July 1, 1946	Classification	July 1, 1947	July 1, 1946
Asbestos workers.....	\$1.600	\$1.375	Engineers—Power equipment operators—Continued.			Roofers:		
Boilermakers.....	1.950	1.750	Scrapers.....	\$1.750	\$1.600	Composition.....	\$1.575	\$1.500
Bricklayers.....	2.000	1.750	Shovels.....	1.900	1.650	Foremen.....	1.700	1.625
Carpenters.....	1.625	1.500	Tractors.....	1.750	1.500	Slate and tile.....	1.575	1.500
Floor layers and scrapers.....	1.750	1.625	Without power attachments.....	1.625	(¹)	Sheet-metal workers.....	1.625	1.500
Millwrights.....	1.750	1.500	Trenching machines.....	1.750	1.500	Sign painters.....	1.750	1.500
Cement finishers.....	1.625	1.500	Glaziers.....	1.660	1.330	Steam fitters.....	1.750	1.625
Electricians (inside wiremen).....	1.750	1.500	Lathers:			Structural-iron workers.....	1.750	1.750
Elevator constructors.....	1.810	1.350	Metal.....	2.000	1.650	Rodmen.....	1.625	1.625
Engineers—Power equipment operators:			Wood.....	2.000	1.400	Tile layers.....	1.800	1.550
Air compressors.....	1.500	1.250	Machinists.....	1.750	1.625			
Bulldozers.....	1.750	1.500	Marble setters.....	1.800	1.550	<i>Helpers and laborers</i>		
Cranes, derricks, and draglines.....	1.900	1.650	Mosaic and terrazzo workers.....	1.800	1.550	Bricklayers' tenders.....	1.500	1.250
Graders, elevating.....	1.750	1.500	Painters.....	1.625	1.375	Building laborers.....	1.125	.875
Hoist, 1 drum.....	1.625	1.375	Spray.....	1.750	1.500	Concrete laborers.....	1.125	1.000
LeTourneau.....	1.750	1.500	Skip type.....	2.000	1.875	Elevator constructors' helpers.....	1.270	.945
Mixers:			Paving type.....	1.750	1.500	Marble setters' helpers.....	1.125	.875
Skip type.....	1.500	1.250	Paperhangers.....	1.750	1.375	Plasterers' laborers.....	1.650	1.400
Paving type.....	1.750	1.500	Plasterers.....	2.000	1.875	Plumbers' laborers.....	1.125	1.000
Pumps.....	1.600	1.250	Rollers.....	1.750	1.625	Tile layers' helpers.....	1.125	.875
Rollers.....	1.750	1.500						

¹ Information not available.

² Hours per week, 35.

³ See Minneapolis, Minn.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

SAN ANTONIO, TEX.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$2.125	\$1.938	Painters—Continued			Stonemasons.....	\$2.125	\$1.938
Carpenters.....	1.625	1.438	Structural steel.....	\$1.750	\$1.500	Structural-iron workers.....	2.000	1.750
Cement finishers.....	1.850	1.500	Spray.....	1.750	1.625	Rodmen.....	1.750	1.500
Electricians (inside wiremen).....	2.000	1.800	Paperhangers.....	1.600	1.375	Tile layers.....	1.750	1.625
Elevator constructors.....	2.100	1.695	Plasterers.....	2.250	1.650			
Glaziers.....	1.500	1.375	Plumbers.....	2.125	1.875	<i>Helpers and laborers</i>		
Lathers.....	2.250	1.875	Roofers:			Elevator constructors' helpers.....	1.470	1.100
Machinists.....	1.725	1.725	Composition.....	1.250	1.125			
Marble setters.....	1.750	1.625	Slate and tile.....	1.375	1.250			
Mosaic and terrazzo workers.....	1.750	1.625	Sheet-metal workers.....	2.000	1.750			
Painters.....	1.500	1.375	Sign painters.....	1.065	1.065			
Stage.....	1.625	1.500	Steam fitters.....	2.125	1.875			

SAN FRANCISCO, CALIF.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.900	\$1.750	Engineers—Power equipment operators—Continued			Sign painters.....	\$2.125	\$2.000
Boilermakers.....	1.950	1.750	Pumps.....	\$1.750	\$1.600	Steam fitters.....	2.250	1.875
Bricklayers.....	\$2.250	2.050	Concrete.....	2.050	1.900	Sprinkler fitters.....	2.000	1.750
Carpenters.....	2.000	1.750	Rollers.....	2.100	1.950	Refrigeration fitters.....	2.250	1.500
Hardwood floor layers and shinglers.....	2.125	1.875	Shovels, power:			High pressure.....	2.250	1.875
Millwrights.....	2.125	1.875	Up to and including 1 yard.....	2.400	2.250	Oil burner fitters.....	2.250	1.575
Wharf and bridge.....	2.025	1.800	Over 1 yard.....	2.500	2.350	Stonemasons.....	\$2.250	2.050
Cement finishers.....	2.025	1.750	Tractors.....	2.100	1.950	Structural-iron workers.....	2.250	2.000
Composition finishers and machine operators.....	2.150	1.875	Boom.....	2.250	2.100	Finishers.....	2.100	1.850
Electricians (inside wiremen).....	2.250	1.875	Pandem.....	2.400	2.250	Rodmen.....	2.000	1.750
Elevator constructors.....	2.100	1.910	Trenching machines.....	2.150	2.000	Tile layers.....	2.150	1.800
Engineers—Power equipment operators:			Glaziers.....	1.875	1.650	<i>Helpers and laborers</i>		
Air compressors.....	1.750	1.600	Granite cutters.....	1.875	1.500	Bricklayers' tenders.....	\$1.750	1.575
More than 1.....	2.050	1.900	Machinists.....	2.150	1.810	Building laborers.....	1.400	1.250
Cranes, derricks, and draglines.....	2.250	2.100	Marble setters.....	2.000	1.750	Elevator constructors' helpers.....	1.470	1.200
Graders.....	2.250	2.100	Mosaic and terrazzo workers.....	\$2.150	1.900	Marble setters' helpers.....	1.428	1.188
Hoists.....	2.000	1.850	Base-machine operators.....	\$1.900	1.750	Plasterers' laborers.....	\$2.000	1.700
LeTourneau.....	2.250	2.100	Painters.....	\$2.000	\$1.750	Sprinkler fitters' helpers.....	1.350	1.100
Mixers:			Paperhangers.....	\$2.000	\$1.750	Terrazzo workers' helpers.....	1.625	1.500
Up to 1 yard.....	1.750	1.600	Plasterers and gas fitters.....	\$2.250	2.000	Tile layers' helpers.....	1.583	1.375
Over 1 yard and paving type.....	2.050	1.900	Roofers:					
Dual drum.....	2.150	2.000	Composition.....	2.000	1.750			
			Foremen.....	2.125	1.875			
			Slate and tile.....	2.000	1.750			
			Sheet-metal workers.....	2.000	1.750			

SCRANTON, PA.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.500	Painters.....	\$1.750	\$1.425	Structural-iron workers.....	\$2.400	\$2.150
Bricklayers.....	2.000	1.750	Paperhangers.....	1.750	1.425	Rodmen.....	2.300	2.050
Carpenters.....	1.750	1.500	Plasterers.....	2.000	1.725	Tile layers.....	2.000	1.600
Millwrights.....	2.000	1.600	Plumbers.....	1.870	1.500	<i>Helpers and laborers</i>		
Cement finishers.....	1.750	1.425	Roofers:			Bricklayers' tenders.....	1.250	1.100
Electricians (inside wiremen).....	2.000	1.625	Composition.....	1.750	1.500	Building laborers.....	1.100	.900
Elevator constructors.....	2.030	1.500	Foremen.....	1.875	1.625	Composition roofers' helpers.....	1.250	1.125
Engineers—Power equipment operators ¹¹			Slate and tile.....	1.750	1.500	Elevator constructors' helpers.....	1.420	1.050
Glaziers.....	1.475	1.300	Sheet-metal workers.....	1.750	1.375	Plasterers' laborers.....	1.250	1.100
Lathers.....	1.750	1.585	Sign painters.....	1.750	1.425	Plumbers' laborers.....	1.100	.900
Marble setters.....	2.000	1.600	Steam fitters.....	(10)	1.500			
Mosaic and terrazzo workers.....	2.000	1.600	Stonemasons.....	2.000	1.750			

¹ Hours per week, 30.³ Hours per week, 35.¹⁰ Work stoppage on July 1, 1947.¹¹ See Philadelphia, Pa.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

SEATTLE, WASH.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.035	\$1.775	Engineers—Power equipment operators—Continued			Plasterers.....	\$2.235	\$1.975
Boilermakers.....	1.950	1.750	LeTourneau	\$1.900	\$1.900	Roofers:		
Bricklayers.....	2.235	1.975	Mixers	2.050	2.050	Composition	2.025	1.775
Sewer and tunnel.....	2.360	2.100	Paving	1.950	1.950	Slate and tile	2.025	1.775
Carpenters.....	1.935	1.675	Dual	2.200	2.200	Sheet-metal workers	2.085	1.825
Floor layers and boommen	2.035	1.775	Pumps	1.950	1.950	Sign painters	2.235	1.975
Pile drivers, bridge and dock	1.985	1.725	Rollers:			Steam fitters	2.340	1.875
Cement finishers	1.935	1.675	On plant mix materials	1.950	1.950	Refrigeration	2.200	1.875
Composition finishers	1.985	1.725	On other than plant mix	1.650	1.650	Stonemasons	2.235	1.975
Paving finishers and ribbon setters	1.960	1.700	Scrapers:			Structural-iron workers	2.135	1.875
Finishing machines:			Carry-all type, single	1.900	1.900	Rodmen	1.935	1.675
Trowel	2.060	1.800	Carry-all type, tandem	2.050	2.050	Tile layers	1.985	1.725
Paving	2.205	1.945	Shovels	2.200	2.200			
Electricians (inside wiremen)	2.135	1.875	Tractors	1.900	1.900	<i>Helpers and laborers</i>		
Elevator constructors	2.080	1.850	Trenching machines:			Bricklayers' tenders	1.785	1.525
Engineers—Power equipment operators:			Under 16 inches	1.950	1.950	Building laborers	1.635	1.275
Air compressors:			16 inches and over	2.150	2.150	Elevator constructors' helpers	1.456	1.295
Excavating	1.700	1.700	Glaziers	1.885	1.625	Marble setters' helpers	1.540	1.275
Steel erection	1.950	1.950	Inside	1.750	1.525	Plasterers' laborers	1.785	1.525
Bulldozers	1.900	1.900	Lathers	2.135	1.875	Plumbers' laborers	1.535	1.275
Cranes and draglines	2.200	2.200	Machinists	2.050	1.875	Terrazzo workers' helpers	1.540	1.275
Derricks	1.950	1.950	Marble setters	2.135	1.875	Machine	1.600	(¹)
Graders, motor patrols power grade	1.900	1.900	Mosaic and terrazzo workers	1.985	1.725	Tile layers' helpers	1.540	1.275
Hoists	1.950	1.950	Painters	1.935	1.675			
3 drums	2.200	2.200	Structural steel	2.060	1.800			
			Spray	2.000	2.000			
			Paperhangers	1.935	1.675			

SOUTH BEND, IND.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.900	\$1.700	Engineers—Power equipment operators—Continued			Sign painters.....	\$1.750	\$1.500
Boilermakers.....	2.000	1.850	Rollers	\$1.750	\$1.600	Steam fitters	1.950	1.800
Bricklayers.....	2.100	1.900	Shovels	2.050	1.875	Sprinkler fitters	2.000	1.800
Sewer, tunnel, and caisson	2.350	2.150	Tractors	1.650	1.500	Stonemasons	2.100	1.900
Carpenters.....	1.850	1.700	Trenching machines	2.050	1.875	Structural-iron workers	2.050	1.875
Cement finishers	1.850	1.700	Glaziers	1.750	1.400	Rodmen	2.050	1.875
Electricians (inside wiremen)	1.950	1.800	Lathers	2.000	1.700	Tile layers	2.100	1.750
Elevator constructors	2.010	1.685	Marble setters	2.100	1.750	<i>Helpers and laborers</i>		
Engineers—Power equipment operators:			Mosaic and terrazzo workers	2.100	1.750	Bricklayers' tenders	1.300	1.150
Air compressors	1.650	1.500	Painters	1.700	1.500	Mortar mixers	1.450	1.300
Bulldozers	1.750	1.600	Paperhangers	1.700	1.500	Building laborers	1.300	1.150
Cranes, derricks, and draglines	2.050	1.875	Plasterers	2.000	1.750	Elevator constructors' helpers	1.405	1.165
Hoists:			Plumbers	1.950	1.800	Marble setters' helpers	1.500	1.250
1 drum	1.750	1.600	Roofers:			Plasterers' laborers	1.450	1.300
2 or more drums	2.050	1.875	Composition	1.900	1.750	Plumbers' laborers	1.300	1.150
Mixers:			Foremen	2.050	1.900	Terrazzo workers' helpers	1.550	1.350
Less than 21 inches	1.750	1.600	Slate and tile	1.900	1.750	Base-machine operators	1.700	1.500
21 inches and over	2.050	1.875	Steeple work	2.050	2.000	Tile layers' helpers	1.600	1.500
Pumps	1.650	1.500	Sheet-metal workers	1.950	1.750			

¹ Information not available.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

SPOKANE, WASH.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeyman			Journeyman—Continued			Journeyman—Continued		
Asbestos workers.....	\$1.870	\$1.625	Engineers—Power equipment operators—Continued			Roofers:		
Bricklayers.....	2.250	1.925	Pumps.....	\$1.500	\$1.500	Composition.....	\$1.675	\$1.375
Carpenters.....	1.850	1.625	Rollers:			Foremen.....	1.925	1.625
Millwrights.....	2.000	1.625	Finishing high type pavement.....	1.750	1.650	Slate and tile.....	1.675	1.375
Cement finishers.....	2.000	1.800	Grade and surfacing.....	1.500	1.350	Sheet-metal workers.....	2.000	1.700
Electricians (inside wiremen).....	2.000	1.750	Shovels.....	2.000	1.850	Sign painters.....	2.000	1.650
Elevator constructors.....	2.140	1.810	Tractors.....	1.850	1.700	Steam fitters.....	2.340	1.750
Engineers—Power equipment operators:			Trenching machine.....	1.900	1.750	Stonemason.....	2.250	1.925
Air compressors.....	1.500	(¹)	Glaziers.....	1.535	1.350	Structural-iron workers.....	2.000	1.800
2 or more.....	1.650	(¹)	Lathers.....	2.050	1.800	Rodmen.....	1.800	1.600
Bulldozers.....	1.850	1.700	Marble setters.....	2.100	1.850	Tile layers.....	2.000	1.725
Cranes, derricks, and draglines.....	2.000	1.850	Mosaic and terrazzo workers.....	2.000	1.725	Helpers and laborers		
Graders, elevating.....	1.850	1.700	Painters.....	1.850	1.575	Bricklayers' tenders.....	1.550	1.350
Hoists:			Spray.....	2.200	1.925	Building laborers.....	1.350	1.150
1 drum.....	1.650	1.500	Structural steel.....	2.100	1.875	Elevator constructors' helpers.....	1.498	1.270
2 drums or steel erection.....	1.900	1.750	Paperhangers.....	1.850	1.575	Marble setters' helpers.....	1.550	1.350
LeTourneau 13 yards and under.....	1.850	1.700	Plasterers.....	2.250	1.950	Plasterers' laborers.....	1.850	1.500
Over 13 yards.....	2.000	1.850	Plumbers.....	2.340	1.750	Terrazzo workers' helpers.....	1.550	1.350
Mixers.....	1.650	1.500				Tile layers' helpers.....	1.550	1.350
Concrete mixer, paving.....	1.900	1.750						

SPRINGFIELD, MASS.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeyman			Journeyman—Continued			Journeyman—Continued		
Asbestos workers.....	\$1.925	\$1.700	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$1.925	\$1.750
Bricklayers.....	2.100	1.925	Mixers—Continued.			Sign painters.....	1.750	1.500
Carpenters.....	1.750	1.625	Road.....	\$1.700	\$1.700	Steam fitters.....	1.925	1.700
Cement finishers.....	2.100	1.925	Pumps.....	1.500	1.500	Stonecutters.....	1.750	1.750
Electricians (inside wiremen).....	1.925	1.750	Rollers.....	1.400	1.400	Inside.....	1.500	1.500
Elevator constructors.....	1.850	1.650	Scrapers.....	1.650	1.650	Stonemasons.....	2.100	1.925
Engineers—Power equipment operators:			Shovels.....	1.900	1.900	Structural-iron workers.....	2.025	1.850
Air compressors:			Glaziers.....	1.875	1.750	Rodmen.....	2.025	1.850
220-feet and under.....	1.150	1.150	Lathers.....	1.875	1.750	Tile layers.....	2.100	1.925
315-feet and over.....	1.400	1.400	Marble setters.....	2.100	1.925	Helpers and laborers		
Bulldozers.....	1.500	1.500	Mosaic and terrazzo workers.....	2.100	1.925	Bricklayers' tenders.....	1.375	1.250
Cranes, derricks, and draglines.....	1.900	1.900	Painters.....	1.750	1.500	Building laborers.....	1.150	1.000
Graders.....	1.500	1.500	Paperhangers.....	1.750	1.750	Elevator constructors' helpers.....	1.290	1.160
Hoist:			Plasterers.....	2.100	1.925	Marble setters' helpers.....	1.375	1.375
Under 3 drums.....	1.500	1.500	Plumbers and gas fitters.....	1.925	1.700	Plasterers' laborers.....	1.375	1.250
3 or more drums.....	1.900	1.900	Roofers:			Terrazzo workers' helpers.....	1.375	1.375
Mixers:			Composition.....	1.800	1.625	Tile layers' helpers.....	1.375	1.375
Small.....	1.050	1.050	Slate and tile.....	1.925	1.625			

TAMPA, FLA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
Journeyman			Journeyman—Continued			Journeyman—Continued		
Asbestos workers.....	\$1.750	\$1.625	Engineers—Power equipment operators—Continued			Paperhangers.....	\$1.375	\$1.375
Boilermakers.....	1.750	1.625	Hoists:			Plasterers.....	1.750	1.750
Bricklayers.....	1.750	1.750	1 drum.....	\$1.250	\$1.250	Plumbers.....	1.750	1.625
Carpenters.....	1.440	1.250	2 drums.....	1.500	1.500	Sheet-metal workers.....	1.625	1.500
Millwrights.....	1.750	1.375	LeTourneau.....	1.250	1.250	Sign painters.....	1.540	1.540
Wharf and bridge.....	1.440	1.250	Mixers.....	1.250	1.250	Steam fitters.....	1.750	1.625
Cement finishers.....	1.500	1.600	Pumps.....	1.250	1.250	Stonemasons.....	1.750	1.750
Electricians (inside wiremen).....	1.750	1.675	Shovels.....	1.500	1.500	Structural-iron workers.....	2.000	1.750
Elevator constructors.....	1.750	1.685	Tractors.....	1.500	1.500	Rodmen.....	1.750	1.625
Engineers—Power equipment operators:			Trenching machines.....	1.250	1.250	Tile layers.....	1.750	1.750
Air compressors.....	1.250	1.250	Glaziers.....	1.375	1.200	Helpers and laborers		
Bulldozers.....	1.500	1.500	Lathers.....	1.625	1.625	Bricklayers' tenders.....	.850	.850
Cranes and derricks.....	1.750	1.750	Marble setters.....	1.750	1.750	Building laborers.....	.750	.750
Draglines.....	1.500	1.500	Mosaic and terrazzo workers.....	1.750	1.750	Elevator constructors' helpers.....	1.225	1.130
Graders.....	1.250	1.250	Painters.....	1.375	1.375	Plasterers' laborers.....	.850	.850
			Structural steel.....	1.625	1.625			
			Spray.....	1.750	1.750			

¹ Information not available.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued
 [Hours per week 40, unless otherwise indicated]
 TOLEDO, OHIO

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.00	\$1.75	Engineers—Power equipment operators—Continued			Roofers:		
Boilermakers.....	2.25	2.00	Pumps.....	\$1.875	\$1.625	Composition.....	\$1.975	\$1.625
Bricklayers.....	2.25	2.00	Rollers (asphalt).....	1.875	1.625	Slate and tile.....	1.975	1.625
Carpenters.....	2.00	1.75	Brick, grade, macadam.....	1.675	1.425	Sheet-metal workers.....	1.975	1.725
Cement finishers.....	2.22	1.97	Scrapers.....	2.00	1.75	Sign painters.....	2.00	1.750
Electricians (inside wiremen).....	2.25	2.00	Shovels.....	2.25	2.00	Steam fitters.....	2.190	1.875
Fixture hangers.....	2.10	1.85	Trenching machines.....	2.00	1.75	Stonemasons.....	2.25	2.00
Elevator constructors.....	2.24	1.81	Glaziers.....	1.70	1.50	Structural-iron workers.....	2.25	2.00
Engineers—Power equipment operators:			Lathers.....	\$2.25	\$2.00	Rodmen.....	2.03	1.625
Air compressors.....	1.875	(1)	Machinists.....	1.85	1.70	Tile layers.....	2.00	1.75
Plant operation.....	2.00	1.75	Marble setters.....	2.25	1.875	<i>Helpers and laborers</i>		
Steel.....	2.25	2.00	Mosaic and terrazzo workers.....	2.00	1.75	Bricklayers' tenders.....	1.545	1.295
Portable.....	1.675	1.425	Painters.....	1.875	1.675	Building laborers.....	1.425	1.175
Bulldozers.....	2.00	1.625	Over 30 feet and swing stage.....	2.125	1.925	Elevator constructors' helpers.....	1.568	1.267
Cranes, derricks, and draglines.....	2.25	2.00	Spray.....	2.025	1.775	Marble setters' helpers.....	1.500	1.000
Graders.....	2.00	1.625	Over 30 feet.....	2.275	2.025	Plasterers' laborers.....	1.545	1.295
Hoists.....	2.00	1.625	Paperhangers.....	1.875	1.675	Plumbers' laborers.....	1.660	1.410
Mixers.....	1.875	1.625	Plasterers.....	2.25	2.00	Terrazzo workers' helpers.....	1.400	1.000
Paving (double drum).....	2.25	(1)	Plumbers.....	2.190	1.875	Dry-base grinders.....	1.525	(1)
27E and over (single drum).....	2.00	1.75				Tile layers' helpers.....	1.400	1.000

WASHINGTON, D. C.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.125	\$1.938	Engineers—Power equipment operators—Continued			Sheet-metal workers.....	\$2.150	\$1.875
Boilermakers.....	2.00	1.75	Pumps.....	\$1.850	\$1.700	Sign painters.....	2.00	2.00
Bricklayers.....	2.375	2.125	Concrete.....	2.00	(1)	Steam fitters.....	2.125	1.875
Residential.....	2.375	2.125	Rollers.....	1.650	1.600	Refrigeration and oil burner fitters, 7½ horsepower or less.....	1.750	1.500
Carpenters.....	2.050	1.925	Shovels.....	2.25	2.125	Sprinkler fitters.....	2.00	1.750
Cement finishers.....	1.875	1.750	Tractors.....	1.650	1.450	Stonemasons.....	2.375	1.900
Electricians (inside wiremen).....	2.25	2.125	Trenching machines.....	2.00	1.900	Structural-iron workers.....	2.400	2.250
Elevator constructors.....	2.25	2.040	Glaziers.....	1.900	1.775	Rodmen.....	2.00	1.850
Engineers—Power equipment operators:			Lathers.....	2.25	1.875	Tile layers.....	2.00	1.725
Air compressors.....	1.850	1.750	Machinists.....	2.25	1.800	<i>Helpers and laborers</i>		
Bulldozers.....	1.650	1.450	Marble setters.....	2.25	1.900	Bricklayers' tenders.....	1.125	1.050
Cranes, derricks, and draglines.....	2.250	2.125	Mosaic and terrazzo workers.....	2.00	1.725	Building laborers.....	1.200	1.050
Graders:			Painters.....	1.950	* 1.775	Composition roofers' helpers.....	1.100	.950
Blade.....	1.650	1.450	Bridge, structural steel, and spray.....	2.250	* 2.000	Elevator constructors' helpers.....	1.570	1.430
Elevating.....	2.250	1.900	Paperhangers.....	1.950	* 1.775	Marble setters' helpers.....	1.375	1.250
Fine and form grader.....	1.500	1.400	Plasterers.....	2.250	2.000	Plasterers' laborers.....	1.500	1.375
Motor.....	1.650	1.500	Residential.....	2.250	2.000	Plumbers' laborers.....	1.250	1.000
Hoists:			Plumbers and gas fitters.....	2.125	1.875	Sprinkler fitters' helpers.....	1.350	1.100
1 drum.....	2.00	1.900	Roofers:			Terrazzo workers' helpers.....	1.500	1.200
2 drums.....	2.250	2.125	Composition:			Tile layers' helpers.....	1.500	1.200
Mixers:			First hand.....	1.900	1.700			
Concrete.....	1.850	1.750	Second hand.....	1.550	1.400			
Paving.....	2.250	1.825	Slate and tile.....	2.000	2.000			

WICHITA, KANS.

<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.750	\$1.500	Engineers—Power equipment operators—Continued			Sign painters.....	\$1.500	\$1.375
Bricklayers.....	2.000	1.750	Shovels.....	\$1.750	\$1.500	Steam fitters.....	1.875	1.625
Carpenters.....	1.655	1.375	Tractors, without power take-off.....	1.000	.900	Stonemasons.....	2.000	1.750
Electricians (inside wiremen).....	1.750	1.750	Trenching machines.....	1.750	1.500	Structural-iron workers.....	1.750	1.500
Elevator constructors.....	1.770	1.520	Lathers.....	2.000	1.750	Rodmen.....	1.625	1.250
Engineers—Power equipment operators:			Marble setters.....	2.000	1.750	Tile layers.....	2.000	1.750
Air compressors.....	1.750	1.500	Mosaic and terrazzo workers.....	2.000	1.750	<i>Helpers and laborers</i>		
Bulldozers:			Painters.....	1.600	1.250	Bricklayers' tenders.....	1.125	1.000
Under 60 horsepower.....	1.450	1.100	Spray.....	1.750	1.500	Building laborers.....	1.000	.875
60 horsepower and over.....	1.450	1.250	Structural steel and stage.....	1.625	1.375	Elevator constructors' helpers.....	1.240	1.060
Cranes, derricks, and draglines.....	1.750	1.500	Paperhangers.....	1.625	1.375	Plasterers' laborers.....	1.125	1.000
Graders.....	1.450	1.250	Plasterers.....	1.875	1.625	Tile layers' helpers.....	1.125	1.000
Hoists:			Plumbers.....	1.875	1.625			
1 drum.....	1.500	1.375	Roofers:					
2 drums.....	1.750	1.500	Composition.....	1.500	1.250			
LeTourneau.....	1.500	1.375	Foremen.....	1.625	1.375			
Mixers.....	1.450	1.250	Slate and tile.....	1.625	1.375			
Pumps.....	1.500	1.375	Sheet-metal workers.....	1.650	1.500			
Rollers.....	1.450	1.250						

¹ Information not available.

² Hours per week, 35.

TABLE 12.—Union scales of wages for building trades in 75 cities, July 1, 1947, and July 1, 1946—Continued

[Hours per week 40, unless otherwise indicated]

WORCESTER, MASS.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Bricklayers.....	\$2.160	\$1.725	Mosaic and terrazzo workers.....	\$2.160	\$1.725	Tile layers.....	\$2.160	\$1.725
Carpenters.....	1.625	1.500	Painters.....	1.500	1.350	<i>Helpers and laborers</i>		
Millwrights.....	1.625	1.500	Paperhangers.....	1.500	1.350			
Cement finishers.....	2.160	1.725	Plasterers.....	2.160	1.725	Bricklayers' tenders.....	1.200	1.100
Electricians (inside wiremen).....	1.900	1.580	Plumbers.....	1.800	1.650	Building laborers.....	1.100	1.000
Elevator constructors.....	1.740	1.500	Sign painters.....	1.600	1.350	Elevator constructors' helpers.....	1.200	1.050
Glaziers.....	1.500	1.350	Steam fitters.....	1.650	1.650	Plasterers' laborers.....	1.200	1.100
Lathers.....	2.000	1.800	Structural-iron workers.....	2.000	1.850			
Marble setters.....	2.160	1.725	Rodmen.....	2.000	1.850			

YORK, PA.

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$1.725	\$1.725	Painters—Continued			Tile layers.....	\$1.875	\$1.675
Boilermakers.....	1.970	1.890	Structural iron.....	\$1.600	\$1.500	<i>Helpers and laborers</i>		
Bricklayers.....	1.875	1.675	Spray.....	1.850	1.750			
Carpenters.....	1.500	1.300	Paperhangers.....	1.350	1.250	Bricklayers' tenders.....	1.250	1.100
Cement finishers.....	1.750	1.500	Plasterers.....	1.875	1.500	Building laborers.....	.950	.800
Electricians (inside wiremen).....	1.750	1.500	Roofers:			Composition roofers' helpers.....	.850	.750
Engineers—Power equipment operators ¹			Composition.....	1.150	1.000	Marble setters' helpers.....	1.150	1.000
Machinists.....	1.970	1.890	Foremen and mopmen.....	1.400	1.250	Plasterers' laborers.....	1.250	1.100
Marble setters.....	1.875	1.675	Slate and tile.....	1.600	1.250	Plumbers' laborers.....	1.250	1.100
Mosaic and terrazzo workers.....	1.875	1.675	Sheet-metal workers.....	1.750	1.500	Terrazzo workers' helpers.....	1.150	1.000
Painters.....	1.350	1.250	Sign painters.....	1.450	1.350	Tile layers' helpers.....	1.150	1.000
			Stonemasons.....	1.875	1.675			

YOUNGSTOWN, OHIO

Classification	Rate per hour—		Classification	Rate per hour—		Classification	Rate per hour—	
	July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946		July 1, 1947	July 1, 1946
<i>Journeyman</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Asbestos workers.....	\$2.000	\$1.750	Engineer—Power equipment operators—Continued			Roofers—Continued		
Bricklayers.....	2.250	2.000	Shovels.....	\$2.000	\$1.938	Foremen.....	\$2.000	\$1.750
Carpenters.....	1.875	1.750	Tractors.....	1.688	1.500	Slate and tile.....	1.750	1.625
Millwrights and pile drivers.....	2.125	1.900	Trenching machines.....	2.000	1.938	Sheet-metal workers.....	1.875	1.700
Cement finishers.....	1.875	1.625	Glaziers.....	1.900	1.735	Sign painters.....	1.900	1.750
Electricians (inside wiremen).....	2.000	1.850	Lathers.....	2.125	1.875	Steam fitters.....	2.000	1.850
Elevator constructors.....	2.000	1.865	Machinists:			Stonemasons.....	2.250	2.000
Engineers—Power equipment operators:			First class.....	1.840	1.685	Structural-iron workers.....	2.000	1.875
Air compressors.....	1.688	1.500	Second class.....	1.650	1.500	Rodmen.....	2.000	1.875
Bulldozers.....	1.750	1.625	Marble setters.....	1.750	1.625	Tile layers.....	1.750	1.625
Cranes, derricks, and draglines.....	2.000	1.938	Mosaic and terrazzo workers.....	1.750	1.625	<i>Helpers and laborers</i>		
Graders.....	1.688	1.500	Painters.....	1.750	1.625			
Hoists:			Spray.....	2.175	2.050	Bricklayers' tenders.....	1.300	1.150
1 drum.....	1.750	1.625	Structural iron and swing stage.....	1.875	1.750	Building laborers.....	1.200	1.050
1 drum 35 feet or more, or 2 drums.....	2.000	1.938	Paperhangers.....	1.750	1.625	Elevator constructors' helpers.....	1.400	1.305
Mixers.....	1.688	1.500	Plasterers.....	2.125	1.875	Marble setters' helpers.....	1.375	1.250
Pumps, 4 inches or over.....	1.688	1.500	Plumbers.....	2.000	1.850	Plasterers' laborers.....	1.300	1.150
Rollers.....	1.688	1.563	Roofers:			Plumbers' laborers.....	1.300	1.175
			Composition.....	1.750	1.625	Terrazzo workers' helpers.....	1.375	1.250
						Tile layers' helpers.....	1.375	1.250

¹ See Philadelphia, Pa.