

Union Wages and Hours: Building Trades

July 1, 1951

Bulletin No. 1051

UNITED STATES DEPARTMENT OF LABOR

Maurice J. Tobin, *Secretary*

BUREAU OF LABOR STATISTICS

Ewan Clague, *Commissioner*



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LETTER OF TRANSMITTAL

UNITED STATES DEPARTMENT OF LABOR
 Bureau of Labor Statistics,
 Washington, D. C., January 9, 1952.

The Secretary of Labor:

I have the honor to transmit herewith the annual report on union wages and hours in the building trades in 77 cities as of July 1, 1951.

This report was prepared in the Bureau's Division of Wages and Industrial Relations by John F. Lacikey.

Ewan Clague, Commissioner,

Hon. Maurice J. Tobin,
 Secretary of Labor.

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Union Wages and Hours in the Building Trades, 1951

Summary

Union hourly wage scales of workers in building construction moved up 6.3 percent in the year ending July 1, 1951, and attained a new all-time high according to the Bureau of Labor Statistics' forty-fifth annual survey of union scales in the building trades. Hourly union scales averaged \$2.42 on July 1, 1951, for all workers in the building trades, \$2.60 for journeymen, and \$1.75 for helpers and laborers. Negotiated contracts effective during the year increased the wage scales of 85.6 percent of the union construction workers compared with 70 percent during the preceding 12 months.

Straight-time weekly hours for all building trades workers averaged 39.3, the same as the previous year. A 5-day, 40-hour workweek was the most common straight-time work schedule and was in effect for over five-sixths of the union workers in construction trades.

Scope and Method of Study

The information presented in this report is based on union scales in effect on July 1, 1951, covering approximately 700,000 journeymen and 185,000 helpers and laborers in 77 cities ranging in population from about 40,000 to over 1 million. Data were obtained primarily from local union officials by mail questionnaire; in some cities local union officials were visited by Bureau representatives for the desired information.

Union scales are defined as the minimum wage rates or maximum schedules of hours agreed upon through collective bargaining between trade-unions and employers. Rates in excess of the negotiated minimum which may be paid for special qualifications or for other reasons are not included.

Average hourly scales are designed to show current levels and are based on all scales reported in effect on July 1, 1951, in the cities covered. Individual scales are weighted by the number of union members reported at the rate. These averages are not measures for yearly comparisons because of fluctuations in union membership and in classifications studied.

Average cents-per-hour and percentage changes from July 1, 1950, to July 1, 1951,

are based on comparable quotations for the various occupational classifications in both years weighted by the membership reported in 1951.

Trend of Union Wage Scales

On July 1, 1951, the index of hourly union scales reached a level 17.8 percent above the average for the 3 years (1947-49) preceding the Korean outbreak. ^{1/} By group, the increase since the 3-year period amounted to 17.4 percent for journeymen and 19.9 percent for helpers and laborers. (See table 1.)

In the cities included in the July 1, 1951 survey, union scales during the year advanced 14 cents an hour, on the average, for all building trades workers, 15 cents for journeymen and 11 cents for helpers and laborers. The advance amounted to 6.3 percent for journeymen and 6.9 for helpers and laborers. (See table 3.)

Over half of the journeymen trades recorded average increases of 14 to 16 cents an hour. Electricians showed the greatest gain with an hourly increase of 19 cents, on the average, for all workers in the trade. Slate and tile roofers and tile layers each advanced 18 cents an hour. Rises of 12 cents or less occurred in only 4 of the 24 journeymen trades studied. Plasterers' laborers led the upward movement among the helper and laborer classifications with an average advance of 18 cents an hour. Although the increases varied from 3.4 to 9.7 percent among the individual classifications, most of the gains were concentrated between 5 and 7 percent.

^{1/} In the index series, designed for trend purposes, yearly changes in union scales are based on comparable quotations for each trade in consecutive years weighted by the number of union members reported at each quotation in the current year.

Beginning with this report, the base for the computation of the index series has been shifted from June 1, 1939, to the average of the 3-year period 1947-49. Index tables computed on both the old and new bases are presented in this report. In future reports, indexes on the 1939 base will be discontinued.

Hourly scales of 6 of every 7 union journeymen and 7 of every 8 helpers and laborers in building construction were increased by contract negotiations effective during the 12 months ending July 1, 1951. (See table 4.) Of the journeymen receiving scale advances during the year, the adjustments ranged from 10 to 15 cents an hour for 1 of every 4 journeymen, from 20 to 25 cents for a similar proportion, and from 15 to 20 cents for 1 of every 5. Of the helpers and laborers benefiting from scale adjustments, a third received increases varying from 10 to 15 cents an hour and a fourth from 15 to 20 cents. (See table 5.)

Scale increases between July 1, 1950, and July 1, 1951, amounted to less than 5 percent for 1 of every 6 journeymen, affected by scale revisions, from 5 to 10 percent for 4 of every 9, and from 10 to 15 percent for 1 of every 3. Of the helpers and laborers receiving increases, a fourth recorded scale advances of less than 5 percent, a third from 5 to 10 percent, and another third from 10 to 15 percent.

Construction workers in each of the 77 cities studied benefited from wage adjustments during the year. Gains averaging from 5 to 10 percent were achieved by journeymen in 7 of every 10 cities, and by helpers and laborers in 2 of every 5 cities. Average advances of less than 5 percent were reported for journeymen in 1 of every 6 cities and for helpers and laborers in 3 of every 8. In terms of cents-per-hour, the increases registered by journeymen averaged from 11 to 20 cents in over half of the cities, and 20 cents or more in 22 cities. Hourly scale advances for helpers and laborers averaged less than 10 cents in about half of the cities and more than 15 cents in 16 cities. (See table 6.)

Wage developments during the year were undoubtedly related to construction activities which continued at record levels. For the first 8 months of 1951, expenditures for new construction were about 12 percent greater than in the corresponding period of 1950. ^{2/} The Bureau's index of wholesale prices in building materials in July 1951 was about 8 percent above July 1950.

Hourly Wage Scales, July 1, 1951

Wage scales in the construction industry are generally higher than those pre-

vailing in other industries. Wage scales in construction trades are designed, by means of relatively strong and effective organization of the workers, partly to offset irregularity of employment and to compensate for other conditions that are not encountered by workers of comparable skill in other industries.

Scales for unionized journeymen averaged \$2.60 an hour on July 1, 1951, and ranged from less than \$1.80 to over \$3.40 an hour. More than two-thirds of the journeymen studied were employed under negotiated agreements stipulating scales of \$2.30 to \$2.80 an hour. By trade, average scales varied from \$2.34 for glaziers to \$2.95 for bricklayers. (See table 7.) Other trades averaging \$2.90 or more an hour were plasterers (\$2.93), stone masons (\$2.92), and lathers (\$2.90). Paperhangers, painters, and roofers were the only other trades to average less than \$2.50 an hour.

Helpers and laborers, as a group, averaged \$1.75 an hour with more than half the workers covered by contracts providing hourly scales of \$1.50 to \$2.00. Scales averaged highest for terrazzo workers' helpers (\$2.07) and lowest for composition roofers' helpers (\$1.50). Building laborers was the only other classification in this grouping to average less than the national average.

City and Regional Variations

The extent of unionization and the general level of wages in a locality influence scale variations. The rise in construction activities in an area resulting in a demand for skilled work, may also be a factor in scale advances. It can be reasonably assumed that high scales in the building trades would prevail in cities having high general wage levels.

For individual journeymen crafts, scales varied widely among the 77 cities covered in the survey. Carpenters, for example, had scales ranging from \$1.815 in Portland, Maine, to \$3.25 in Newark, New Jersey, on July 1, 1951.

Union scales for the 24 journeymen trades showed considerable variation within cities. The differential and range of union scales of journeymen trades within 6 typical cities in various sections of the country are illustrated in the following tabulation:

^{2/} Bureau of Labor Statistics' series on expenditures for new construction.

City	Scale range	Difference	
		Cents	Per- hour cent
Atlanta.....	\$1.75 - \$2.75	100	57
Boston.....	2.22½ - 2.97	74½	34
Chicago.....	2.60 - 3.20	60	23
Dallas.....	1.87½ - 3.12½	125	67
New York.....	2.60 - 3.30	70	27
San Francisco..	2.30 - 3.25	95	41

The difference between the high and low scales of helpers and laborers (representing a fifth of the workers in the industry and grouped into 9 classifications) was greater than that for journeymen in each of the above cities except Boston and Dallas. The differences in the last named cities were 13 and 58 percent, respectively, and in the other 4 cities ranged from 27 percent in Chicago to 76 percent in Atlanta.

Wage scales of organized construction trades journeymen averaged at least \$2.25 an hour in all except 12 of the 77 cities studied and ranged from \$1.98 in Portland, Maine, to \$3.11 in Newark, New Jersey. For helpers and laborers, average scales varied from 90 cents in Charleston (S. C.) to \$2.33 in Newark. On July 1, 1951, scale levels in New York followed those in Newark, averaging \$3.01 for journeymen and \$2.16 for helpers and laborers. The third ranking cities were Pittsburgh (\$2.81) for journeymen and Cleveland (\$2.10) for helpers and laborers. (See table 8.)

Of the 12 cities in which journeymen averaged less than \$2.25 an hour, 8 were in the South and 2 in New England.

When the 77 cities included in the survey are grouped according to population, the average hourly scales on July 1, 1951, were typically higher in the larger metropolitan cities and descended according to the city-size grouping, with the lowest levels prevailing in the smallest city-size group. The difference between the average scales of journeymen and of helpers and laborers in each city-size group closely approximated the over-all national differential of 85 cents.

Within each city-size group, however, there was considerable variation in the average hourly scale of journeymen and of helpers and laborers. In each population grouping, the spread was wider for helpers and laborers than for journeymen. In the group of cities having a population of 250,000 to 500,000 where the spread of rates was greatest, the difference between the highest and lowest level was 86 cents

for journeymen and \$1.25 for helpers and laborers.

On a regional basis, average union hourly scales of all construction trades workers were highest in the Middle Atlantic States (\$2.66) and lowest in the Southeast (\$2.03). The Middle Atlantic and Great Lakes regions, which included 30 of the 77 cities studied, were the only regions to have rate levels exceeding the national average of \$2.42; the level for the Pacific region was equal to the national average. (See table 9.)

The wage levels for all journeymen trades combined ranged from \$2.30 in the Southeast to \$2.88 in the Middle Atlantic States. Average scales were highest in the Middle Atlantic region for all except 4 trades. The only levels below \$2.00 for journeymen applied to composition roofers in the 2 Southern regions and to paperhangers in New England.

Regional levels of union hourly scales for all helper and laborer classifications combined varied from \$1.12 in the Southeast to \$1.94 in the Middle Atlantic States. Levels in excess of \$2.00 were registered by 5 of the 9 helper and laborer classifications in the Middle Atlantic and Pacific regions. Plasterer's laborers in the Great Lakes and Middle West regions also had levels above \$2.00, as did terrazzo workers' helpers in the former region.

Standard Workweek

Changes in straight-time weekly hours between July 1, 1950, and July 1, 1951, had no effect on the average for all building trades workers, which remained at 39.3, but lowered the index a tenth of 1 percent. (See table 10.)

On July 1, 1951, 85 percent of all journeymen and helpers and laborers had a 40-hour standard workweek. Over an eighth of the journeymen and about a tenth of the helpers and laborers were employed under contracts providing for a 35-hour week. This schedule prevailed more frequently for bricklayers, lathers, painters, and bricklayers' tenders than among other trades. A fifth of the plasterers and a ninth of the plasterers' laborers were on a 30-hour standard work schedule. (See table 12.)

Union Scales by City and Trade

Union scales of wages and hours in effect on July 1, 1950, and July 1, 1951, are presented in table 14 for the individual trades in each of the 77 cities included in the study.

TABLE 1A.--Indexes of union hourly wage rates in the building trades, 1907-51

(June 1, 1939 = 100)

Date	All trades	Journey-men	Helpers and laborers	Date	All trades	Journey-men	Helpers and laborers
1907: May 15	29.3	29.7	27.3	1930: May 15	97.0	97.5	93.3
1908: May 15	31.2	31.6	28.5	1931: May 15	97.3	97.8	92.8
1909: May 15	32.7	33.2	29.5	1932: May 15	83.1	83.6	79.2
1910: May 15	34.0	34.6	30.5	1933: May 15	80.8	81.4	75.7
1911: May 15	34.5	35.2	30.6	1934: May 15	81.4	81.8	77.9
1912: May 15	35.3	36.0	30.9	1935: May 15	82.3	82.8	78.3
1913: May 15	36.1	36.9	31.8	1936: May 15	85.3	85.5	82.9
1914: May 15	36.9	37.7	32.1	1937: May 15	91.2	91.4	90.1
1915: May 15	37.2	38.0	32.4	1938: June 1	99.3	99.3	99.2
1916: May 15	38.4	39.3	33.5	1939: June 1	100.0	100.0	100.0
1917: May 15	40.8	41.5	36.8	1940: June 1	101.6	101.4	102.0
1918: May 15	45.3	45.9	42.6	1941: June 1	105.3	105.0	106.8
1919: May 15	51.9	52.4	49.3	1942: July 1	111.9	110.9	117.5
1920: May 15	70.0	70.1	71.5	1943: July 1	112.7	111.5	118.9
1921: May 15	71.3	71.4	72.2	1944: July 1	113.6	112.4	120.3
1922: May 15	66.9	67.3	65.7	1945: July 1	116.0	114.4	125.9
1923: May 15	73.9	74.2	69.7	1946: July 1	129.3	126.8	146.3
1924: May 15	79.8	80.1	75.4	1947: July 1	147.9	144.6	171.1
1925: May 15	82.9	83.1	77.9	1948: July 1	163.5	159.4	192.7
1926: May 15	88.3	88.7	84.9	1949: July 1	170.3	166.1	199.8
1927: May 15	91.3	91.7	86.4	1950: July 1	177.8	173.2	210.8
1928: May 15	91.9	92.4	87.3	1951: July 1	189.1	184.0	225.3
1929: May 15	93.1	93.6	88.8				

TABLE 1B.--Indexes of union hourly wage rates in the building trades, 1907-51

(Average 1947, 1948 and 1949 = 100)

Date	All trades	Journey-men	Helpers and laborers	Date	All trades	Journey-men	Helpers and laborers
1907: May 15	18.2	19.0	14.5	1930: May 15	60.4	62.2	49.7
1908: May 15	19.4	20.2	15.2	1931: May 15	60.6	62.4	49.4
1909: May 15	20.4	21.2	15.7	1932: May 15	51.8	53.4	42.2
1910: May 15	21.2	22.1	16.2	1933: May 15	50.3	51.9	40.3
1911: May 15	21.5	22.5	16.3	1934: May 15	50.7	52.2	41.5
1912: May 15	22.0	23.0	16.4	1935: May 15	51.3	52.8	41.7
1913: May 15	22.5	23.5	16.9	1936: May 15	53.1	54.6	44.1
1914: May 15	23.0	24.1	17.1	1937: May 15	56.8	58.3	48.0
1915: May 15	23.2	24.3	17.2	1938: June 1	61.8	63.4	52.8
1916: May 15	23.9	25.1	17.8	1939: June 1	62.3	63.8	53.2
1917: May 15	25.4	26.5	19.6	1940: June 1	63.3	64.7	54.3
1918: May 15	28.2	29.3	22.7	1941: June 1	65.6	67.0	56.9
1919: May 15	32.3	33.4	26.2	1942: July 1	69.7	70.8	62.5
1920: May 15	43.6	44.7	38.1	1943: July 1	70.2	71.2	63.3
1921: May 15	44.4	45.6	38.4	1944: July 1	70.8	71.7	64.0
1922: May 15	41.7	42.9	35.0	1945: July 1	72.2	73.0	67.0
1923: May 15	46.0	47.4	37.1	1946: July 1	80.5	80.9	77.9
1924: May 15	49.7	51.1	40.1	1947: July 1	92.1	92.3	91.1
1925: May 15	51.6	53.0	41.5	1948: July 1	101.8	101.7	102.6
1926: May 15	55.0	56.6	45.2	1949: July 1	106.1	106.0	106.4
1927: May 15	56.9	58.5	46.0				
1928: May 15	57.2	59.0	46.5	1950: July 1	110.7	110.5	112.2
1929: May 15	58.0	59.7	47.3	1951: July 1	117.8	117.4	119.9

TABLE 2A.—Indexes of union hourly wage rates in each building trade, 1907-51

(June 1, 1939 = 100)

Date	Asbestos-workers	Boiler-makers	Brick-layers	Car-penters	Cement finishers	Electricians (inside wiremen)	Elevator constructors	Glaziers	Lathers	Machinists	Marble setters	Mosaic and terrazzo workers	Painters	Paper-hangers	Plasterers
1907: May 15	-	-	37.7	29.8	34.5	27.9	-	-	-	-	37.1	-	26.2	-	37.3
1908: May 15	-	-	38.7	31.7	34.4	30.5	-	-	-	-	37.5	-	29.0	-	37.2
1909: May 15	-	-	39.5	33.4	35.4	31.5	-	-	-	-	37.7	-	31.0	-	37.5
1910: May 15	-	-	40.2	35.0	35.8	32.4	-	-	-	-	38.2	-	33.0	-	37.9
1911: May 15	-	-	40.2	35.5	37.2	32.8	-	-	-	-	38.6	-	33.6	-	38.1
1912: May 15	-	-	40.8	36.3	37.2	33.1	-	-	33.8	-	38.7	-	34.0	-	38.9
1913: May 15	-	-	41.5	36.8	38.0	33.8	-	-	34.6	-	41.3	-	35.5	-	39.3
1914: May 15	-	-	42.5	37.4	38.4	34.9	38.2	-	35.2	-	41.7	-	36.7	-	39.4
1915: May 15	-	-	42.6	37.8	38.8	35.6	38.4	-	35.7	-	42.1	-	36.9	-	39.6
1916: May 15	36.1	-	43.0	39.0	39.1	36.3	39.4	-	36.7	-	42.3	35.1	40.3	-	41.0
1917: May 15	38.0	-	44.5	42.4	41.4	38.7	42.2	-	38.1	-	42.3	36.9	41.5	-	42.2
1918: May 15	42.5	-	47.8	47.1	45.7	43.0	44.9	40.6	41.2	-	44.5	39.9	45.8	-	44.5
1919: May 15	51.7	-	53.1	54.2	41.2	49.3	52.3	43.4	45.8	-	49.5	42.9	53.6	-	51.3
1920: May 15	67.2	-	72.4	72.5	69.6	65.0	67.2	62.8	65.3	-	65.4	63.4	73.0	-	67.0
1921: May 15	68.1	-	71.9	73.1	71.9	67.3	70.7	63.9	66.3	-	66.5	64.6	75.1	-	70.7
1922: May 15	63.4	-	70.0	67.7	66.7	63.5	66.1	64.0	62.3	-	65.1	62.7	70.3	-	67.9
1923: May 15	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: May 15	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: May 15	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: May 15	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: May 15	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: May 15	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: May 15	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: May 15	95.4	-	101.8	96.9	95.4	90.9	95.6	92.6	89.6	-	96.9	97.4	100.6	-	98.1
1931: May 15	96.4	-	101.6	97.1	95.8	92.1	96.1	93.2	89.1	-	97.4	98.2	101.0	-	97.9
1932: May 15	80.3	-	87.0	79.6	83.6	87.9	89.4	78.0	80.0	-	89.2	91.4	85.3	-	81.4
1933: May 15	80.1	-	84.7	79.4	81.6	80.3	83.1	77.9	77.1	-	86.2	83.3	83.6	-	78.2
1934: May 15	80.0	-	85.0	80.8	82.4	80.4	83.3	82.5	79.1	-	85.8	84.5	82.3	-	79.1
1935: May 15	81.0	-	83.7	81.8	82.9	84.3	83.4	83.3	80.0	-	86.4	84.5	82.6	-	80.0
1936: May 15	84.3	-	84.2	86.0	85.0	86.5	84.4	84.5	82.0	-	86.9	84.7	86.8	-	80.5
1937: May 15	90.8	90.1	90.1	91.6	91.2	90.3	87.7	92.6	87.5	93.7	91.9	88.7	93.0	97.8	88.7
1938: June 1	99.5	99.4	99.5	99.8	99.6	99.5	98.4	99.3	96.8	99.8	99.7	98.6	99.2	99.5	99.2
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	101.1	101.5	102.2	102.5	100.9	101.7	101.5	101.1	100.7	100.4	101.6	100.5	100.2	100.8	100.5
1941: June 1	104.8	103.4	104.6	104.8	104.5	106.3	103.8	104.3	104.5	103.2	101.9	101.4	106.9	107.5	102.2
1942: July 1	112.5	109.9	108.3	112.1	110.8	113.5	109.7	108.8	109.1	108.5	103.8	104.6	110.5	112.3	105.0
1943: July 1	112.8	110.1	108.7	112.5	112.0	113.8	110.7	109.6	109.2	111.0	104.3	106.3	112.4	112.6	105.2
1944: July 1	113.3	110.1	110.0	113.4	113.1	114.7	111.3	110.2	110.0	111.6	105.4	107.8	113.5	114.1	105.9
1945: July 1	114.5	111.2	112.7	115.4	114.2	116.9	112.0	112.2	111.5	111.6	109.3	109.8	115.1	114.6	107.6
1946: July 1	125.8	120.0	125.6	129.7	128.2	124.9	119.3	123.4	124.2	124.4	121.4	124.2	127.3	127.4	119.0
1947: July 1	139.7	134.0	145.2	149.6	144.3	140.9	136.6	141.9	144.4	144.0	138.4	145.9	142.4	145.2	139.3
1948: July 1	154.0	150.2	165.6	164.7	161.1	154.4	150.0	155.5	157.8	158.9	154.4	162.3	154.4	153.6	148.2
1949: July 1	165.2	158.6	174.0	169.1	165.8	168.1	159.8	160.5	164.2	167.9	160.4	167.3	162.1	161.9	161.9
1950: July 1	173.3	165.9	180.4	177.4	172.7	172.3	167.5	169.4	179.6	170.4	166.2	176.4	167.7	168.3	169.3
1951: July 1	183.4	174.4	188.0	189.1	183.7	185.4	176.7	177.8	188.0	180.8	171.8	187.4	178.7	179.4	177.5

TABLE 2A.--Indexes of union hourly wage rates in each building trade, 1907-51 - Continued

(June 1, 1939 = 100)

Date	Plumbers	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: May 15	33.3	-	-	-	30.6	30.1	33.9	27.9	-	30.3	30.8	-	31.3	-	-
1908: May 15	33.7	-	-	-	31.3	30.5	34.4	30.4	-	30.3	31.0	-	32.7	-	-
1909: May 15	34.2	-	-	-	31.4	34.7	34.5	32.6	-	30.4	31.3	-	33.0	-	-
1910: May 15	34.5	-	-	-	32.3	32.2	34.8	34.7	-	30.9	32.3	-	33.2	-	-
1911: May 15	36.5	-	-	-	33.3	33.2	35.2	35.5	-	31.2	32.4	-	33.2	-	-
1912: May 15	36.7	-	-	-	34.1	33.8	35.5	36.1	40.1	31.4	32.7	-	33.6	-	32.3
1913: May 15	37.9	-	-	-	35.6	35.0	36.7	37.3	42.1	31.8	34.2	-	34.4	-	32.9
1914: May 15	38.4	-	31.4	35.4	36.9	35.7	37.8	38.0	42.3	32.2	34.5	-	35.1	-	33.2
1915: May 15	38.7	-	32.3	36.8	37.4	36.5	38.2	38.0	42.5	32.4	34.7	-	35.2	-	34.3
1916: May 15	39.0	-	32.5	37.8	38.0	37.2	38.8	38.6	43.1	33.4	36.3	-	36.2	-	35.6
1917: May 15	40.4	-	34.3	40.3	39.7	38.6	40.2	40.9	45.3	37.2	40.1	-	38.6	-	36.5
1918: May 15	44.6	-	38.9	44.2	46.5	42.2	44.1	46.8	46.6	43.4	47.0	-	44.5	-	37.6
1919: May 15	50.4	-	43.2	50.3	51.3	47.4	49.5	52.7	50.8	50.8	53.3	-	50.7	-	45.6
1920: May 15	65.2	-	61.5	65.0	68.8	62.6	69.0	66.8	68.4	73.9	77.2	-	73.5	-	74.6
1921: May 15	68.2	-	64.4	70.8	71.3	63.4	70.7	68.1	67.8	74.2	77.6	-	75.9	-	75.4
1922: May 15	63.4	-	61.6	67.7	66.1	61.9	65.8	61.8	66.7	61.5	72.9	-	66.6	-	70.9
1923: May 15	70.0	-	62.4	75.5	71.2	65.0	77.8	65.9	72.9	67.2	74.3	-	73.4	-	72.5
1924: May 15	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: May 15	77.9	-	74.5	87.5	80.8	78.4	84.1	75.4	84.7	78.4	79.0	-	84.1	-	81.1
1926: May 15	83.9	-	81.0	90.3	86.3	84.9	92.7	81.1	88.8	85.5	86.9	-	89.1	-	87.9
1927: May 15	85.6	-	83.3	94.6	88.9	87.3	93.9	86.8	93.0	87.5	87.2	-	89.9	-	88.9
1928: May 15	87.4	-	85.2	94.8	87.2	88.6	95.0	87.0	92.9	87.6	87.6	-	91.4	-	90.7
1929: May 15	88.1	-	86.8	95.8	90.6	89.1	97.7	87.7	93.9	91.4	88.0	-	91.7	-	89.4
1930: May 15	91.5	-	92.0	98.8	94.7	93.5	99.1	92.5	98.1	94.9	92.9	-	97.2	-	97.0
1931: May 15	92.6	-	92.6	99.1	96.2	94.0	99.6	93.4	99.2	94.6	91.5	-	96.9	-	97.0
1932: May 15	80.5	-	80.9	86.1	83.4	81.0	88.4	81.0	85.5	78.4	78.7	-	80.4	-	85.6
1933: May 15	79.8	-	79.2	84.0	81.0	78.6	82.5	80.1	82.9	77.4	74.1	-	75.7	-	81.7
1934: May 15	80.5	-	80.7	83.5	81.3	79.5	82.4	81.1	82.9	82.5	76.9	-	77.8	-	81.8
1935: May 15	81.8	-	83.0	85.7	81.9	80.8	82.2	81.8	83.6	79.9	78.0	-	79.1	-	84.5
1936: May 15	83.9	-	83.5	86.4	83.5	83.5	83.2	83.9	85.2	84.2	84.7	-	80.7	-	85.8
1937: May 15	88.5	90.2	90.0	92.8	89.6	88.1	91.9	91.6	91.2	90.6	92.7	93.9	87.9	-	90.4
1938: June 1	99.1	99.0	99.7	99.0	98.6	99.3	99.7	98.9	99.9	99.7	99.4	99.7	99.2	97.2	99.7
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	101.6	101.2	102.3	101.7	101.8	100.3	99.5	100.4	100.2	103.8	101.6	103.6	100.2	104.6	100.2
1941: June 1	106.0	106.4	106.5	104.0	106.5	103.4	102.1	105.2	101.6	107.3	107.6	107.5	102.5	110.4	102.5
1942: July 1	110.5	111.0	116.1	113.1	116.0	109.3	108.0	108.7	106.6	115.7	119.6	118.8	110.1	118.3	109.5
1943: July 1	110.9	111.6	116.6	114.0	116.4	109.9	108.4	109.1	108.2	116.4	121.3	119.5	110.8	119.0	110.6
1944: July 1	111.5	112.1	117.3	114.6	117.2	110.5	109.0	109.8	109.2	117.4	112.9	122.9	111.6	121.8	111.1
1945: July 1	114.0	114.4	118.8	116.9	118.4	114.3	111.4	111.6	112.8	121.8	129.9	122.9	115.7	124.8	112.6
1946: July 1	123.2	126.3	132.3	127.1	133.0	124.6	126.5	121.4	127.7	141.7	152.2	139.0	130.3	142.2	130.6
1947: July 1	142.9	142.0	153.8	141.0	146.8	139.1	145.0	136.3	149.3	165.6	177.9	153.7	154.0	162.9	160.8
1948: July 1	158.2	158.0	170.5	156.8	164.4	154.3	166.0	151.9	166.9	185.5	200.8	176.5	173.3	182.2	182.1
1949: July 1	162.8	165.0	178.4	165.6	169.6	161.3	175.7	157.4	174.2	190.4	208.4	186.3	179.8	194.3	190.1
1950: July 1	166.7	171.6	185.8	169.4	177.9	168.3	187.1	164.8	178.2	203.4	220.0	195.6	186.1	203.0	196.5
1951: July 1	176.6	183.1	196.9	182.6	188.1	178.6	193.6	175.7	190.6	213.9	235.6	209.9	204.1	217.0	209.8

1/ Included rodmen prior to 1940.

TABLE 2B.--Indexes of union hourly wage rates in each building trade, 1907-51

(Average 1947, 1948 and 1949 = 100)

Date	Asbestos workers	Boiler-makers	Brick-layers	Car-penters	Cement finishers	Electricians (inside wiremen)	Elevator constructors	Gla-ziers	Lath-ers	Ma-chinists	Marble and ter-razzo workers	Paint-ers	Paper-hangers	Plas-terers	
1907: May 15	-	-	23.3	18.5	22.0	18.1	-	-	-	-	24.6	-	17.1	-	24.9
1908: May 15	-	-	23.9	19.7	21.9	19.7	-	-	-	-	24.8	-	19.0	-	24.8
1909: May 15	-	-	24.4	20.7	22.5	20.4	-	-	-	-	25.0	-	20.3	-	25.0
1910: May 15	-	-	24.9	21.7	22.8	21.0	-	-	-	-	25.3	-	21.6	-	25.3
1911: May 15	-	-	24.9	22.0	23.7	21.2	-	-	-	-	25.6	-	22.0	-	25.4
1912: May 15	-	-	25.2	22.5	23.7	21.4	-	-	21.7	-	25.6	-	22.2	-	26.0
1913: May 15	-	-	25.7	22.8	24.2	21.9	-	-	22.3	-	27.3	-	23.2	-	26.2
1914: May 15	-	-	26.3	23.2	24.4	22.6	25.7	-	22.6	-	27.6	-	24.0	-	26.3
1915: May 15	-	-	26.4	23.5	24.7	23.0	25.8	-	23.0	-	27.9	-	24.1	-	26.4
1916: May 15	23.6	-	26.6	24.2	24.9	23.5	26.5	-	23.6	-	28.0	22.1	26.3	-	27.4
1917: May 15	24.8	-	27.5	26.3	26.4	25.1	28.4	-	24.5	-	28.0	23.3	27.1	-	28.2
1918: May 15	27.8	-	29.6	29.2	29.1	27.8	30.2	26.6	26.5	-	29.5	25.2	29.9	-	29.7
1919: May 15	33.8	-	32.9	33.6	26.2	31.9	35.1	28.4	29.5	-	32.8	27.1	35.0	-	34.2
1920: May 15	43.9	-	44.8	45.0	44.3	42.1	45.2	41.1	42.0	-	43.3	40.0	47.7	-	44.7
1921: May 15	44.5	-	44.5	45.4	45.8	43.6	47.5	41.9	42.6	-	44.0	40.8	49.1	-	47.2
1922: May 15	41.4	-	43.3	42.0	42.5	41.1	44.4	41.9	40.1	-	43.1	39.6	46.0	-	45.3
1923: May 15	43.0	-	49.0	46.9	46.5	42.7	47.2	44.5	44.3	-	48.7	40.5	50.4	-	50.5
1924: May 15	48.0	-	51.9	50.1	51.4	47.6	53.0	46.9	47.7	-	51.0	47.8	53.1	-	56.5
1925: May 15	49.9	-	54.9	51.2	51.6	50.1	55.5	52.2	52.0	-	52.0	50.3	56.0	-	57.5
1926: May 15	53.4	-	58.2	54.9	55.1	52.8	58.5	52.9	53.4	-	58.2	51.4	59.4	-	61.7
1927: May 15	56.0	-	59.7	56.7	57.6	55.0	60.6	56.5	55.5	-	59.4	53.4	61.4	-	63.0
1928: May 15	56.4	-	60.1	56.9	57.0	55.5	61.2	57.1	55.7	-	59.7	56.0	62.4	-	63.2
1929: May 15	59.0	-	61.5	57.8	57.0	57.8	61.4	58.0	55.3	-	63.9	58.7	62.2	-	62.4
1930: May 15	62.4	-	63.0	60.1	60.7	58.9	64.2	60.7	57.6	-	64.1	61.5	65.8	-	65.5
1931: May 15	63.0	-	62.9	60.3	61.0	59.6	64.6	61.1	57.3	-	64.5	62.0	66.0	-	65.4
1932: May 15	52.5	-	53.8	49.4	53.2	56.9	60.1	51.1	51.5	-	59.0	57.7	55.8	-	54.3
1933: May 15	52.4	-	52.4	49.3	52.0	52.0	55.8	51.0	49.6	-	57.1	52.6	54.7	-	52.2
1934: May 15	52.3	-	52.6	50.1	52.5	52.1	56.0	54.1	50.9	-	56.8	53.3	53.8	-	52.8
1935: May 15	53.0	-	51.8	50.8	52.8	54.6	56.0	54.6	51.5	-	57.2	53.3	54.0	-	53.4
1936: May 15	55.1	-	52.1	53.4	54.1	56.0	56.7	55.4	52.7	-	57.5	53.4	56.7	-	53.7
1937: May 15	59.4	61.0	55.8	56.8	58.1	58.5	58.9	60.7	56.3	59.7	60.8	56.0	60.8	63.7	59.2
1938: June 1	65.0	67.3	61.6	61.9	63.4	64.4	66.1	65.1	62.3	63.6	66.0	62.2	64.9	64.8	66.2
1939: June 1	65.4	67.8	61.9	62.1	63.7	64.7	67.2	65.5	64.3	63.7	66.2	63.1	65.4	65.1	66.8
1940: June 1	66.1	68.8	63.2	63.6	64.2	65.8	68.2	66.2	64.8	64.0	67.3	63.4	65.5	65.6	67.1
1941: June 1	68.5	70.1	64.7	65.0	66.5	68.8	69.8	68.3	67.2	65.8	67.5	64.0	69.9	70.0	68.2
1942: July 1	73.5	74.5	67.0	69.6	70.5	73.5	73.7	71.3	70.2	69.1	68.7	66.0	72.2	73.1	70.1
1943: July 1	73.7	74.6	67.3	69.8	71.3	73.7	74.4	71.8	70.2	70.7	69.0	67.1	73.5	73.3	70.2
1944: July 1	74.1	74.6	68.1	70.4	72.0	74.3	74.8	72.2	70.8	71.1	69.8	68.0	74.2	74.3	70.7
1945: July 1	74.9	75.3	69.7	71.6	72.7	75.7	75.3	73.5	71.7	71.1	72.4	69.3	75.2	74.6	71.8
1946: July 1	82.2	81.3	77.7	80.5	81.6	80.9	80.2	80.8	79.9	79.3	80.4	78.4	83.2	83.0	79.4
1947: July 1	91.3	90.8	89.9	92.8	91.9	91.2	91.8	93.0	92.9	91.8	91.6	92.1	93.1	94.6	93.0
1948: July 1	100.7	101.8	102.5	102.2	102.6	100.0	100.8	101.9	101.5	101.3	102.2	102.4	100.9	100.0	98.9
1949: July 1	108.0	107.5	107.7	104.9	105.6	108.8	107.4	105.2	105.6	107.0	106.2	105.6	106.0	105.4	108.1
1950: July 1	113.3	112.4	111.6	110.1	110.0	111.5	112.6	111.0	115.5	108.6	110.0	111.3	109.6	109.6	113.0
1951: July 1	119.9	118.2	116.3	117.4	117.0	120.0	118.8	116.5	120.9	115.2	113.7	118.2	116.8	116.8	118.5

TABLE 2B.--Indexes of union hourly wage rates in each building trade, 1907-51 - Continued

(Average 1947, 1948 and 1949 = 100)

Date	Plumbers	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: May 15	21.5	-	-	-	19.1	19.9	20.9	18.8	-	16.8	15.7	-	18.5	-	-
1908: May 15	21.8	-	-	-	19.5	20.1	21.2	20.5	-	16.8	15.8	-	19.3	-	-
1909: May 15	22.1	-	-	-	19.6	22.9	21.3	21.9	-	16.8	16.0	-	19.5	-	-
1910: May 15	22.3	-	-	-	20.2	21.2	21.5	23.4	-	17.1	16.5	-	19.6	-	-
1911: May 15	23.6	-	-	-	20.8	21.9	21.7	23.9	-	17.3	16.6	-	19.6	-	-
1912: May 15	23.7	-	-	-	21.3	22.3	21.9	24.3	24.5	17.4	16.7	-	19.9	-	18.2
1913: May 15	24.5	-	-	-	22.2	23.1	22.6	25.1	25.8	17.6	17.5	-	20.4	-	18.5
1914: May 15	24.8	-	18.7	22.9	23.0	23.6	23.3	25.6	25.9	17.8	17.6	-	20.8	-	18.7
1915: May 15	25.0	-	19.3	23.8	23.3	24.1	23.6	25.6	26.0	18.0	17.7	-	20.8	-	19.3
1916: May 15	25.2	-	19.4	24.5	23.7	24.5	23.9	26.0	26.4	18.5	18.5	-	21.4	-	20.0
1917: May 15	26.1	-	20.5	26.1	24.8	25.5	24.8	27.5	27.7	20.6	20.5	-	22.8	-	20.5
1918: May 15	28.8	-	23.2	28.6	29.0	27.8	27.2	31.5	28.5	24.0	24.0	-	26.3	-	21.2
1919: May 15	32.6	-	25.8	32.6	32.0	31.3	30.5	35.5	31.1	28.1	27.2	-	30.0	-	25.7
1920: May 15	42.2	-	36.7	42.1	42.9	41.3	42.5	45.0	41.8	40.9	39.4	-	43.5	-	42.0
1921: May 15	44.1	-	38.4	45.8	44.5	41.8	43.6	45.8	41.5	41.1	39.7	-	44.9	-	42.4
1922: May 15	41.0	-	36.8	43.8	41.2	40.8	40.6	41.6	40.8	34.1	37.3	-	39.4	-	39.9
1923: May 15	45.3	-	37.2	48.9	44.4	42.9	48.0	44.4	44.6	37.2	38.0	-	43.4	-	40.8
1924: May 15	49.3	-	43.1	54.1	48.8	49.2	50.9	50.2	50.6	38.9	42.3	-	46.7	-	44.4
1925: May 15	50.4	-	44.5	56.6	50.4	51.7	51.8	50.8	51.8	43.4	40.4	-	49.8	-	45.6
1926: May 15	54.3	-	48.3	58.5	53.8	56.0	57.1	54.6	54.3	47.4	44.4	-	52.7	-	49.5
1927: May 15	55.4	-	49.7	61.2	55.5	57.6	57.9	58.4	56.9	48.5	44.6	-	53.2	-	50.0
1928: May 15	56.5	-	50.8	61.4	54.4	58.5	58.6	58.6	56.8	48.5	44.8	-	54.1	-	51.2
1929: May 15	57.0	-	51.8	62.0	56.5	58.8	60.2	59.0	57.4	50.6	45.0	-	54.3	-	50.3
1930: May 15	59.2	-	54.9	64.0	59.1	61.7	61.1	62.3	60.0	52.6	47.5	-	57.5	-	54.6
1931: May 15	59.9	-	55.3	64.2	60.0	62.0	61.4	62.9	60.7	52.4	46.8	-	57.3	-	54.6
1932: May 15	52.1	-	48.3	55.7	52.0	53.4	54.5	54.5	52.3	43.4	40.2	-	47.6	-	48.2
1933: May 15	51.6	-	47.3	54.4	50.5	51.9	50.9	53.9	50.7	42.9	37.9	-	44.8	-	46.0
1934: May 15	52.1	-	48.2	54.1	50.7	52.5	50.8	54.6	50.7	45.7	39.3	-	46.0	-	46.0
1935: May 15	52.9	-	49.5	55.5	51.1	53.3	50.7	55.1	51.1	44.3	39.9	-	46.8	-	47.6
1936: May 15	54.3	-	49.8	55.9	52.1	55.1	51.3	56.5	52.1	46.6	43.3	-	47.7	-	48.3
1937: May 15	57.2	58.2	53.7	60.1	55.9	58.1	56.6	61.7	55.8	50.2	47.4	54.5	52.0	-	50.9
1938: June 1	64.1	63.9	59.5	64.1	61.5	65.5	61.5	66.6	61.1	55.2	50.8	57.9	58.7	54.1	56.1
1939: June 1	64.7	64.5	59.7	64.7	62.4	66.0	61.6	67.3	61.2	55.4	51.1	58.1	59.2	55.6	56.3
1940: June 1	65.7	65.3	61.1	65.8	63.5	66.2	61.3	67.6	61.3	57.5	51.9	60.2	59.3	58.2	56.4
1941: June 1	68.6	68.6	63.6	67.3	66.5	68.2	62.9	70.8	62.2	59.4	55.0	62.4	60.6	61.4	57.7
1942: July 1	71.5	71.6	69.3	73.2	72.4	72.1	66.6	73.2	65.2	64.1	61.1	69.0	65.1	65.8	61.6
1943: July 1	71.7	72.0	69.6	73.8	72.6	72.5	66.8	73.5	66.2	64.5	62.0	69.4	65.6	66.2	62.3
1944: July 1	72.1	72.3	70.0	74.2	73.1	72.9	67.2	73.9	66.8	65.0	57.7	71.4	66.0	67.7	62.5
1945: July 1	73.7	73.8	70.9	75.7	73.9	75.4	68.7	75.1	69.0	67.5	66.4	71.4	68.4	69.4	63.4
1946: July 1	79.7	81.5	79.0	82.3	83.0	82.2	78.0	81.7	78.1	78.5	77.8	80.7	77.1	79.1	73.5
1947: July 1	92.4	91.6	91.8	91.3	91.6	91.8	89.4	91.8	91.3	91.7	90.9	89.3	91.1	90.6	90.5
1948: July 1	102.3	101.9	101.8	101.5	102.6	101.8	102.3	102.3	102.1	102.8	102.6	102.5	102.5	101.3	102.5
1949: July 1	105.3	106.5	106.5	107.2	105.8	106.4	108.3	106.0	106.6	105.5	106.5	108.2	106.4	108.1	107.0
1950: July 1	107.8	110.7	110.9	109.7	111.0	111.0	115.3	111.0	109.0	112.7	112.4	113.6	110.1	112.9	110.6
1951: July 1	114.2	118.1	117.5	118.2	117.4	117.8	119.3	118.3	116.6	118.5	120.4	121.9	120.7	120.7	118.1

1/ Included rodmen prior to 1940.

TABLE 3.—Increases in rates in the building trades, July 1, 1950 and July 1, 1951, and average union hourly wage rates, July 1, 1951

Trade	Amount of increase July 1, 1950 to July 1, 1951		Range of rates July 1, 1951		Average rate per hour July 1, 1951	Trade	Amount of increase July 1, 1950 to July 1, 1951		Range of rates July 1, 1951		Average rate per hour July 1, 1951
	Percent	Cents per hour	Low	High			Percent	Cents per hour	Low	High	
All building trades	6.3	14	-	-	\$2.42	Journeymen: - Continued					
Journeymen	6.3	15	-	-	2.60	Roofers, composition	6.0	14	\$1.40	\$3.14	\$2.41
Asbestos workers	5.9	15	\$2.09	\$3.00	2.63	Roofers, slate and tile ..	7.8	18	1.70	3.25	2.45
Boilermakers	5.1	13	1.90	3.25	2.62	Sheet-metal workers	5.7	14	2.00	3.10	2.55
Bricklayers	4.2	12	2.48	3.50	2.95	Steam and sprinkler fitters	6.1	16	2.00	3.10	2.70
Carpenters	6.6	16	1.82	3.25	2.53	Stonemasons	3.5	10	2.40	3.50	2.92
Cement finishers	6.4	15	1.75	3.40	2.53	Structural-iron workers	6.6	17	2.00	3.35	2.69
Electricians (inside wiremen)	7.6	19	2.00	3.25	2.73	Tile layers	7.0	18	2.20	3.30	2.72
Elevator constructors	5.5	14	2.27	3.02	2.72	Helpers and laborers	6.9	11	-	-	1.75
Glaziers	4.9	11	1.38	3.00	2.34	Bricklayers' tenders	5.1	9	.95	2.45	1.90
Lathers	4.7	13	2.13	3.50	2.90	Building laborers	7.1	11	.88	2.34	1.65
Machinists	6.1	15	2.00	3.00	2.57	Composition roofers' helpers	7.3	10	.90	1.87	1.50
Marble setters	3.4	9	2.00	3.30	2.64	Elevator constructors' helpers	5.6	10	1.59	2.20	1.95
Mosaic and terrazzo workers	6.2	16	2.00	3.30	2.72	Marble setters' helpers ..	5.6	9	1.10	2.25	1.78
Painters	6.6	15	1.50	3.25	2.41	Plasterers' laborers	9.7	18	.95	2.88	2.00
Paperhangers	6.6	15	1.50	2.64	2.38	Plumbers' laborers	6.9	12	.88	2.20	1.84
Plasterers	4.9	14	2.25	3.40	2.93	Terrazzo workers' helpers	5.3	10	1.20	2.50	2.07
Plumbers	5.9	15	2.00	3.10	2.72	Tile layers' helpers	6.8	13	1.00	2.40	1.97
Rodmen	6.7	16	1.89	3.35	2.52						

TABLE 4.—Percent increase in union wage rates and percent of building trades workers affected, July 1, 1950 to July 1, 1951

Trade	Percent of union workers affected by -			Percent of total workers affected by increase of -						
	No change	Increase	Decrease	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	14.2	85.6	0.1	15.5	37.2	29.9	1.5	1.4	(1/)	0.1
Journeymen	14.9	85.1	(1/)	14.1	38.8	30.2	.9	1.1	(1/)	(1/)
Asbestos workers	17.9	82.1	-	20.1	24.4	37.4	.2	-	-	-
Boilermakers	7.1	92.9	-	45.5	34.8	12.6	-	-	-	-
Bricklayers	44.0	56.0	-	9.8	23.9	19.0	2.0	1.3	-	-
Carpenters	14.3	85.7	-	13.0	33.2	37.0	.1	2.4	(1/)	-
Cement finishers	16.1	83.9	-	13.0	33.2	37.1	.4	-	0.2	-
Electricians (inside wiremen) .....	.9	99.1	-	14.2	44.4	37.5	3.0	-	-	(1/)
Elevator constructors	11.9	88.1	-	31.0	42.7	11.5	2.9	-	-	-
Glaziers	29.3	70.7	-	12.3	31.7	26.7	(1/)	-	-	-
Lathers	38.8	61.2	-	4.7	36.7	16.0	2.5	1.2	.1	-
Machinists	11.0	89.0	-	44.6	25.8	12.3	1.3	5.0	-	-
Marble setters	46.6	53.4	-	16.1	26.3	8.5	2.5	-	-	-
Mosaic and terrazzo workers	33.5	66.5	-	8.5	27.3	18.2	2.9	8.7	.9	-
Painters	2.6	97.4	-	14.1	67.5	15.3	.5	-	-	(1/)
Paperhangers	3.7	96.3	-	9.4	63.7	23.1	.1	-	-	-
Plasterers	29.4	70.6	-	17.5	25.6	24.6	.6	2.1	.2	-
Plumbers	23.3	76.7	-	8.6	25.6	41.1	1.4	-	-	-
Rodmen	10.3	89.7	-	11.4	46.8	31.5	-	-	-	-
Roofers, composition	14.9	85.1	-	16.8	36.0	30.8	1.5	-	-	-
Roofers, slate and tile	5.3	94.2	.5	13.3	28.5	50.1	2.3	-	-	-
Sheet-metal workers	13.2	86.8	-	25.6	39.7	21.1	.4	-	-	-
Steam and sprinkler fitters	19.9	80.1	-	10.8	34.0	32.6	2.7	-	-	-
Stonemasons	47.1	52.9	-	15.6	26.7	9.4	.9	.3	-	-
Structural-iron workers	11.1	88.9	-	9.0	50.5	28.7	.7	-	-	-
Tile layers	10.6	89.4	-	12.3	55.9	18.8	.8	.7	.9	-

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See footnote at end of table.

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TABLE 4.—Percent increase in union wage rates and percent of building trades workers affected, July 1, 1950 to July 1, 1951 - Continued

Trade	Percent of union workers affected by -			Percent of total workers affected by increase of -						
	No change	Increase	Decrease	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
Helpers and laborers	12.1	87.6	0.3	21.0	30.5	28.9	3.9	2.6	(1/)	0.7
Bricklayers' tenders	8.3	89.9	1.8	42.0	27.5	14.6	5.2	.6	-	-
Building laborers	14.0	86.0	-	16.7	26.3	36.3	3.2	3.5	-	-
Composition roofers' helpers	13.7	86.3	-	10.5	22.5	53.3	-	-	-	-
Elevator constructors' helpers	14.2	85.4	.4	14.9	49.5	19.1	1.7	.2	-	-
Marble setters' helpers	15.8	84.2	-	20.9	37.2	21.3	3.8	1.0	-	-
Plasterers' laborers	7.3	92.7	-	19.6	38.7	16.8	9.4	1.3	-	6.9
Plumbers' laborers	7.0	93.0	-	5.3	66.1	16.2	1.0	1.2	0.8	2.4
Terrazzo workers' helpers	28.3	71.7	-	18.7	31.1	11.6	6.4	3.7	.2	-
Tile layers' helpers	4.3	95.7	-	18.8	59.9	14.8	.8	1.4	-	-

1/ Less than 0.05 of 1 percent.

TABLE 5.—Cents-per-hour increases in union wage rates and percent of building trades workers affected, July 1, 1950 to July 1, 1951

Trade	Percent of union workers affected by increase	Percent of workers affected by increase of -									
		Less than 5 cents	5 and under 10 cents	10 and under 15 cents	15 and under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 cents and over
All building trades	85.6	2.7	6.7	24.5	18.1	19.5	11.7	0.6	0.7	0.7	0.4
Journeyman	85.1	.3	4.9	23.5	17.2	22.6	14.1	.6	.7	.9	.3
Asbestos workers	82.1	-	7.1	31.4	5.2	18.3	17.8	2.3	-	-	-
Boilermakers	92.9	-	8.2	55.6	10.7	7.0	11.4	-	-	-	-
Bricklayers	56.0	1.0	(1/)	13.2	2.6	12.8	20.4	2.4	1.6	.2	1.8
Carpenters	85.7	-	3.6	22.8	16.3	34.0	6.5	-	.4	2.1	(1/)
Cement finishers	83.9	.1	6.9	22.1	14.9	18.0	21.7	-	-	-	.2
Electricians (inside wiremen) ...	99.1	-	4.0	21.7	13.6	19.4	36.6	.8	3.0	-	(1/)
Elevator constructors	88.1	5.2	19.2	22.1	10.0	21.6	5.3	2.3	2.4	-	-
Glaziers	70.7	1.0	9.5	17.0	22.0	13.2	6.4	1.6	-	-	-
Lathers	61.2	-	.3	21.4	5.1	12.2	13.6	4.7	-	-	3.9
Machinists	89.0	1.5	5.0	39.2	12.7	8.6	15.7	-	1.3	-	5.0
Marble setters	53.4	-	7.6	13.8	16.6	5.7	6.9	.3	2.5	-	-
Mosaic and terrazzo workers	66.5	-	2.9	10.0	14.1	10.1	13.6	4.5	1.7	-	9.6
Painters	97.4	.7	6.5	29.2	43.0	13.1	4.7	-	(1/)	.2	(1/)
Paperhangers	96.3	.2	3.7	43.9	24.7	20.6	3.2	-	-	-	-
Plasterers	70.6	-	-	28.0	9.0	3.1	26.6	1.3	-	.3	2.3
Plumbers	76.7	-	5.4	18.1	8.4	11.8	31.1	.5	1.4	-	-
Rodmen	89.7	-	4.5	24.9	23.0	20.9	16.4	-	-	-	-
Roofers, composition	85.1	3.8	7.2	30.1	15.9	5.4	22.7	-	-	-	-
Roofers, slate and tile	94.2	4.1	8.9	15.6	13.1	8.2	44.3	-	-	-	-
Sheet-metal workers	86.8	-	16.0	20.9	23.7	13.0	12.8	.2	.2	-	-
Steam and sprinkler fitters	80.1	-	6.5	19.7	5.4	23.2	21.6	1.2	1.8	.7	-
Stonemasons	52.9	-	-	21.3	8.0	6.0	14.7	1.3	.6	.5	.5
Structural-iron workers	88.9	-	4.4	21.9	13.1	25.7	20.6	2.5	.7	-	-
Tile layers	89.4	-	4.6	15.7	4.5	44.1	16.6	1.5	.8	-	1.6
Helpers and laborers	87.6	11.9	13.5	29.0	21.3	7.3	2.6	.9	.4	(1/)	.7
Bricklayers' tenders	89.9	34.5	11.0	20.9	13.2	6.4	1.8	2.1	-	-	-
Building laborers	86.0	6.8	15.2	28.5	24.3	8.6	2.6	-	-	-	-
Composition roofers' helpers	86.3	10.5	12.5	15.8	47.5	-	-	-	-	-	-
Elevator constructors' helpers ...	85.4	6.4	11.5	39.2	24.1	2.6	1.4	.2	-	-	-
Marble setters' helpers	84.2	14.3	6.6	43.7	11.1	3.7	4.8	-	-	-	-
Plasterers' laborers	92.7	7.8	12.0	33.7	12.3	4.2	4.0	6.9	4.9	-	6.9
Plumbers' laborers	93.0	4.9	4.8	57.0	21.0	1.2	1.7	-	-	-	2.4
Terrazzo workers' helpers	71.7	5.3	13.6	28.4	6.7	5.7	7.8	.3	-	3.7	.2
Tile layers' helpers	95.7	10.4	11.9	21.5	39.2	10.3	2.4	-	-	-	-

1/ Less than 0.05 of 1 percent.

TABLE 6.—Increases in union wage rates for major building tradesgroups in 77 cities, July 1, 1950 to July 1, 1951

City and state	Percent of increase			Cents-per-hour increase			City and state	Percent of increase			Cents-per-hour increase		
	All trades	Journeymen	Helpers and laborers	All trades	Journeymen	Helpers and laborers		All trades	Journeymen	Helpers and laborers	All trades	Journeymen	Helpers and laborers
All cities	6.3	6.3	6.9	14.4	15.3	11.2	Mobile, Ala.	10.0	9.2	12.5	17.0	19.3	13.3
Atlanta, Ga.	7.1	7.4	2.9	14.0	15.6	3.1	Newark, N. J.	6.7	6.7	6.5	18.7	19.5	14.3
Baltimore, Md.	5.0	5.6	2.2	10.4	13.5	3.1	New Haven, Conn.	4.7	4.8	4.1	10.3	11.3	6.7
Birmingham, Ala.	6.6	7.6	1.2	12.4	16.2	1.4	New Orleans, La.	3.5	3.9	1.0	6.7	8.3	1.2
Boston, Mass.	5.6	6.1	3.7	12.7	14.9	6.5	New York, N. Y.	1.8	1.7	2.3	4.9	4.9	4.8
Buffalo, N. Y.	6.3	5.3	10.4	14.4	12.9	18.8	Norfolk, Va.	9.4	9.9	2.8	18.0	20.2	2.9
Butte, Mont.	6.3	7.4	1.2	12.8	16.3	1.9	Oakland, Calif.	8.9	8.9	8.7	19.8	21.0	14.6
Charleston, S. C.	11.3	12.1	(1/)	20.2	23.4	(1/)	Oklahoma City, Okla.	5.3	6.3	.1	10.8	14.4	1.5
Charleston, W. Va.	8.8	6.6	17.8	18.1	15.3	24.9	Omaha, Nebr.	10.4	9.9	13.0	20.5	21.5	17.4
Charlotte, N. C.	9.1	9.2	7.1	15.9	17.3	6.3	Peoria, Ill.	6.7	6.3	8.8	15.1	15.1	15.1
Chattanooga, Tenn.	15.6	14.6	19.4	26.2	29.4	19.9	Philadelphia, Pa.	4.2	4.3	4.0	9.5	11.0	5.9
Chicago, Ill.	6.8	6.7	8.1	16.9	17.0	15.1	Phoenix, Ariz.	9.0	7.6	12.5	18.7	17.8	20.3
Cincinnati, Ohio	6.0	7.7	.3	13.0	17.9	.5	Pittsburgh, Pa.	4.6	4.4	5.9	11.3	11.7	10.0
Cleveland, Ohio	4.7	4.4	6.2	11.7	11.6	12.3	Portland, Maine	8.5	8.9	5.8	14.7	16.2	7.5
Columbus, Ohio	5.5	5.9	3.9	12.1	13.8	6.3	Portland, Oreg.	8.5	9.1	4.4	18.5	20.4	7.7
Dallas, Texas	6.7	5.8	10.0	13.1	13.3	12.8	Providence, R. I.	5.2	5.9	3.0	10.5	12.9	4.8
Dayton, Ohio	9.1	9.1	9.8	20.5	21.4	15.6	Reading, Pa.	7.3	7.5	6.2	15.3	17.0	9.0
Denver, Colo.	5.3	3.6	7.9	10.5	8.6	12.6	Richmond, Va.	7.4	7.4	7.2	14.0	15.5	7.2
Des Moines, Iowa	3.6	3.7	3.1	7.6	8.5	5.0	Rochester, N. Y.	4.8	5.1	3.7	10.4	12.2	6.2
Detroit, Mich.	4.3	4.2	5.0	10.5	10.7	9.2	Rock Island (Ill.) district 2/	4.6	5.4	1.7	9.7	12.2	2.8
Duluth, Minn.	7.9	7.7	8.6	15.4	16.1	12.7	St. Louis, Mo.	6.8	6.2	9.3	15.9	15.8	16.2
El Paso, Texas	11.8	10.0	20.5	21.9	22.0	21.8	St. Paul, Minn.	10.2	9.9	11.0	19.9	21.7	17.1
Erie, Pa.	7.9	7.9	7.9	16.5	17.5	12.4	Salt Lake City, Utah	9.1	8.3	12.7	17.2	17.1	17.4
Grand Rapids, Mich.	7.3	7.2	8.0	15.3	16.1	12.2	San Antonio, Texas	9.3	9.4	7.9	18.6	20.4	9.2
Houston, Texas	10.0	10.0	9.9	21.2	22.8	12.8	San Francisco, Calif.	9.0	9.0	8.8	20.3	21.1	14.8
Indianapolis, Ind.	7.6	7.3	9.2	16.8	17.4	14.6	Savannah, Ga.	11.1	10.2	16.9	18.8	20.2	15.0
Jackson, Miss.	7.6	7.4	10.0	13.9	15.0	9.2	Scranton, Pa.	6.1	7.1	.9	12.3	15.7	1.3
Jacksonville, Fla.	12.0	11.8	16.0	22.5	23.5	13.7	Seattle, Wash.	9.1	9.2	9.0	20.7	21.4	16.6
Kansas City, Mo.	6.7	6.7	7.0	14.8	15.3	11.6	South Bend, Ind.	9.8	9.7	9.9	20.3	22.1	16.6
Knoxville, Tenn.	11.3	9.7	20.5	20.2	20.4	19.6	Spokane, Wash.	8.9	8.9	9.2	19.4	20.2	15.2
Little Rock, Ark.	9.5	10.1	.2	18.3	20.5	2.2	Springfield, Mass.	6.1	6.4	4.8	12.3	14.2	7.2
Los Angeles, Calif.	9.1	8.5	13.6	20.1	19.7	22.5	Syracuse, N. Y.	10.3	8.3	16.4	21.0	19.2	24.7
Louisville, Ky.	4.7	4.6	4.8	9.7	10.5	7.1	Toledo, Ohio	5.2	5.2	5.1	12.0	13.1	9.6
Manchester, N. H.	3.8	4.1	2.3	7.3	8.5	3.2	Washington, D. C.	5.2	4.5	8.5	12.1	11.8	12.8
Memphis, Tenn.	10.5	10.6	10.2	18.0	21.8	10.0	Wichita, Kans.	5.1	6.5	.2	10.0	14.2	2.2
Miami, Fla.	13.9	14.5	6.6	28.1	32.3	6.9	Worcester, Mass.	6.2	5.7	10.4	12.8	12.4	14.9
Milwaukee, Wis.	8.1	7.7	10.1	18.2	18.2	18.3	York, Pa.	5.7	6.3	3.5	9.6	11.8	4.4
Minneapolis, Minn.	9.5	9.6	9.0	19.7	21.1	14.4	Youngstown, Ohio	5.6	5.1	7.4	12.7	12.7	12.5

1/ Less than 0.05 of 1 percent.

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

TABLE 7.—Distribution of union members in the building trades by hourly wage rates, July 1, 1951

Trade	Average rate per hour	Percent of union journeymen whose rates (in cents) per hour were -																	
		Under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and under 240	240 and under 250	250 and under 260	260 and under 270	270 and under 280	280 and under 290	290 and under 300	300 and under 310	310 and under 320	320 and under 330	330 and under 340	340 and over
Journeymen	\$ 2.599	0.1	0.6	0.5	3.1	1.9	5.7	12.4	11.1	11.2	15.5	17.9	4.6	0.7	8.5	2.1	3.3	0.6	0.2
Asbestos workers	2.630	-	-	-	.2	.6	.3	4.8	6.9	33.9	21.4	17.3	7.1	-	7.5	-	-	-	-
Boilermakers	2.616	-	-	(1/)	-	-	-	5.0	9.3	47.0	16.2	9.8	-	-	10.5	-	1.6	-	-
Bricklayers	2.946	-	-	-	-	-	-	.9	1.0	7.9	30.2	12.6	1.0	17.3	1.8	24.2	1.8	1.9	
Carpenters	2.527	-	.7	.5	4.4	3.3	5.9	20.5	16.1	6.6	12.0	14.1	2.8	-	12.1	-	1.0	-	
Cement finishers	2.525	(1/)	1.3	.5	2.6	2.4	9.4	20.7	14.5	8.9	7.3	20.9	1.8	-	8.9	-	-	-	
Electricians (inside wiremen)	2.729	-	-	-	.9	.2	1.4	1.8	7.7	18.3	11.5	35.2	5.8	1.4	.8	1.5	13.5	-	
Elevator constructors	2.723	-	-	-	-	-	.4	3.7	9.0	12.6	14.5	26.1	13.2	5.0	15.5	-	-	-	
Glaziers	2.344	3.2	1.5	6.2	8.1	15.4	20.3	15.5	3.1	2.7	2.6	1.7	9.6	-	10.1	-	-	-	
Lathers	2.904	-	-	-	-	.2	1.3	2.6	1.6	7.2	6.1	15.7	11.0	1.8	26.5	18.1	2.6	2.8	

See footnote at end of table.

TABLE 7.--Distribution of union members in the building trades by hourly wage rates, July 1, 1951 - Continued

Trade	Average rate per hour	Percent of union journeymen whose rates (in cents) per hour were -																	
		Under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and under 240	240 and under 250	250 and under 260	260 and under 270	270 and under 280	280 and under 290	290 and under 300	300 and under 310	310 and under 320	320 and under 330	330 and under 340	340 and over
Journemen :- Continued	\$																		
Machinists	2.573	-	-	-	1.0	-	5.5	2.0	15.4	15.7	39.9	12.4	1.6	-	6.5	-	-	-	-
Marble setters	2.635	-	-	-	1.5	-	2.8	5.0	.3	27.9	11.4	42.8	5.3	-	-	2.8	-	-	0.2
Mosaic and terrazzo workers ...	2.724	-	-	-	.2	-	3.7	1.8	1.0	21.2	15.0	23.2	7.3	-	26.0	-	-	.6	-
Painters	2.414	0.5	1.9	1.6	7.1	1.2	16.2	17.4	10.2	8.1	28.8	5.9	.3	(1/)	.3	.4	0.1	-	-
Paperhangers	2.382	1.3	2.4	.7	6.4	1.6	17.3	17.5	12.4	13.0	27.4	-	-	-	-	-	-	-	-
Plasterers	2.926	-	-	-	-	-	1.6	2.6	1.3	6.2	6.7	9.7	19.7	1.9	19.1	11.8	-	18.3	1.1
Plumbers	2.716	-	-	-	.1	-	.8	.8	4.3	13.2	24.5	36.1	3.4	-	10.4	6.4	-	-	-
Rodmen	2.524	-	.7	-	3.4	3.8	7.7	22.3	10.5	12.3	13.3	11.9	6.8	.3	5.9	-	-	1.1	-
Roofers, composition	2.414	3.3	2.9	5.1	5.5	5.6	7.5	17.8	7.3	20.2	4.1	10.1	-	-	9.3	1.3	-	-	-
Roofers, slate and tile	2.447	.6	4.4	4.4	3.6	7.7	5.0	7.2	8.4	40.9	.8	3.7	6.1	2.1	.3	-	4.8	-	-
Sheet-metal workers	2.545	-	-	-	3.2	1.5	5.4	6.6	25.3	22.7	18.0	5.5	4.0	-	-	7.8	-	-	-
Steam and sprinkler fitters	2.695	-	-	-	.2	.2	1.1	1.0	3.9	13.7	25.8	38.4	6.0	-	.9	8.8	-	-	-
Stonemasons	2.923	-	-	-	-	-	-	-	.5	4.0	20.5	9.6	21.8	.1	12.4	3.7	25.6	1.3	.5
Structural-iron workers	2.694	-	-	-	.1	.6	2.8	7.3	6.7	22.6	9.4	17.4	11.6	5.5	9.0	-	6.3	.7	-
Tile layers	2.721	-	-	-	-	-	3.7	1.6	2.2	12.8	14.5	35.9	.9	25.7	1.9	-	-	.8	-
Trade	Average rate per hour	Percent of union helpers and laborers whose rates (in cents) per hour were -																	
		Under 100	100 and under 110	110 and under 120	120 and under 130	130 and under 140	140 and under 150	150 and under 160	160 and under 170	170 and under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and under 240	240 and under 250	250 and under 260	260 and over
Helpers and laborers ..	\$ 1.746	0.8	2.4	4.9	1.8	4.1	5.3	10.6	9.2	20.0	6.1	10.2	7.2	12.1	1.9	1.5	0.5	(1/)	1.4
Bricklayers' tenders	1.899	.5	.7	3.3	2.4	3.4	7.7	1.7	6.1	5.0	6.5	10.9	11.4	35.0	2.9	1.4	1.1	-	-
Building laborers	1.648	1.0	3.2	5.9	1.5	4.6	5.6	15.5	11.1	27.4	5.6	8.4	2.1	7.6	-	.5	-	-	-
Composition roofers' helpers ...	1.501	5.8	-	17.5	6.3	-	-	20.4	5.0	38.7	6.3	-	-	-	-	-	-	-	-
Elevator constructors' helpers	1.953	-	-	-	-	-	-	(1/)	4.2	10.0	14.5	29.7	24.0	5.3	12.3	-	-	-	-
Marble setters' helpers	1.775	-	-	14.6	-	4.2	1.2	1.9	8.9	10.7	15.2	6.9	20.4	11.5	4.5	-	-	-	-
Plasterers' laborers	2.004	.5	.4	4.6	2.1	4.8	2.7	1.9	5.1	7.4	1.9	23.3	8.3	6.0	4.6	8.3	-	-	18.1
Plumbers' laborers ...	1.837	.4	4.2	1.0	3.8	2.8	2.5	2.4	6.4	6.4	13.5	3.6	42.0	.3	10.7	-	-	-	-
Terrazzo workers' helpers	2.068	-	-	-	2.3	1.7	1.1	1.8	4.2	2.6	9.3	8.4	22.8	5.7	14.6	1.8	23.0	0.7	-
Tile layers' helpers	1.972	-	.8	4.1	-	.8	.6	.8	3.9	8.4	10.3	12.7	25.7	11.0	6.6	11.0	3.3	-	-

1/ Less than 0.05 of 1 percent.

TABLE 8.--Average union hourly wage rates in the building trades by city and population group, July 1, 1951

City and population group	Average hourly rate	City and population group	Average hourly rate
JOURNEMEN		JOURNEMEN - Continued	
Population group I (1,000,000 and over):		Population group II (500,000 to 1,000,000):	
New York, N. Y.	\$3.008	Boston, Mass.	\$2.593
Average for group I	2.717	Buffalo, N. Y.	2.573
Philadelphia, Pa.	2.702	San Francisco, Calif.	2.563
Chicago, Ill.	2.697	Milwaukee, Wis.	2.547
Detroit, Mich.	2.628	Baltimore, Md.	2.532
Los Angeles, Calif.	2.519	Cincinnati, Ohio	2.507
Population group II (500,000 to 1,000,000):		Houston, Texas	2.506
Pittsburgh, Pa.	2.808	Minneapolis, Minn.	2.415
Washington, D. C.	2.731	New Orleans, La.	2.202
Cleveland, Ohio	2.729	Population group III (250,000 to 500,000):	
St. Louis, Mo.	2.689	Newark, N. J.	3.110
Average for group II	2.593	Toledo, Ohio	2.639

TABLE 8.—Average union hourly wage rates in the building trades by city and population group, July 1, 1951 - Continued

City and population group	Average hourly rate	City and population group	Average hourly rate
JOURNEYMEN - Continued		HELPERS AND LABORERS - Continued	
Population group III (250,000 to 500,000):— Continued		Population group II (500,000 to 1,000,000):— Continued	
Oakland, Calif.	\$2.560	St. Louis, Mo.	\$1.900
Seattle, Wash.	2.553	San Francisco, Calif.	1.832
Indianapolis, Ind.	2.552	Boston, Mass.	1.830
Rochester, N. Y.	2.512	Pittsburgh, Pa.	1.798
<u>Average for group III</u>	2.497	<u>Average for group II</u>	1.776
Columbus, Ohio	2.483	Minneapolis, Minn.	1.738
Denver, Colo.	2.466	Cincinnati, Ohio	1.697
Kansas City, Mo.	2.447	Washington, D. C.	1.626
Portland, Oreg.	2.445	Baltimore, Md.	1.436
Dallas, Texas	2.419	Houston, Texas	1.415
St. Paul, Minn.	2.408	New Orleans, La.	1.168
Louisville, Ky.	2.382		
San Antonio, Texas	2.374	Population group III (250,000 to 500,000):	
Birmingham, Ala.	2.298	Newark, N. J.	2.332
Memphis, Tenn.	2.275	Seattle, Wash.	2.301
Atlanta, Ga.	2.245	Toledo, Ohio	1.952
		Oakland, Calif.	1.822
Population group IV (100,000 to 250,000):		Portland, Oreg.	1.813
Youngstown, Ohio	2.617	Kansas City, Mo.	1.774
Dayton, Ohio	2.573	Rochester, N. Y.	1.763
Peoria, Ill.	2.562	St. Paul, Minn.	1.730
Miami, Fla.	2.543	Indianapolis, Ind.	1.727
Phoenix, Ariz.	2.521	Denver, Colo.	1.711
Syracuse, N. Y.	2.507	<u>Average for group III</u>	1.672
South Bend, Ind.	2.497	Columbus, Ohio	1.672
Spokane, Wash.	2.474	Louisville, Ky.	1.554
New Haven, Conn.	2.454	Dallas, Texas	1.405
Reading, Pa.	2.441	San Antonio, Texas	1.296
Oklahoma City, Okla.	2.429	Birmingham, Ala.	1.125
El Paso, Texas	2.408	Atlanta, Ga.	1.102
Rock Island (Ill.) district 1/	2.395	Memphis, Tenn.	1.077
<u>Average for group IV</u>	2.393		
Erie, Pa.	2.387	Population group IV (100,000 to 250,000):	
Omaha, Nebr.	2.382	Peoria, Ill.	1.864
Grand Rapids, Mich.	2.381	South Bend, Ind.	1.840
Springfield, Mass.	2.364	Phoenix, Ariz.	1.824
Des Moines, Iowa	2.362	Youngstown, Ohio	1.809
Scranton, Pa.	2.352	Spokane, Wash.	1.806
Providence, R. I.	2.323	Syracuse, N. Y.	1.752
Knoxville, Tenn.	2.319	Dayton, Ohio	1.747
Wichita, Kans.	2.318	New Haven, Conn.	1.719
Chattanooga, Tenn.	2.304	Rock Island (Ill.) district 1/	1.698
Worcester, Mass.	2.304	Erie, Pa.	1.683
Mobile, Ala.	2.285	Des Moines, Iowa	1.666
Richmond, Va.	2.256	Providence, R. I.	1.656
Duluth, Minn.	2.255	Grand Rapids, Mich.	1.644
Norfolk, Va.	2.240	Duluth, Minn.	1.595
Little Rock, Ark.	2.239	Worcester, Mass.	1.586
Salt Lake City, Utah	2.237	Springfield, Mass.	1.570
Jacksonville, Fla.	2.228	Reading, Pa.	1.545
Savannah, Ga.	2.187	Salt Lake City, Utah	1.540
Charlotte, N. C.	2.048	Scranton, Pa.	1.521
		Omaha, Nebr.	1.518
Population group V (40,000 to 100,000):		<u>Average for group IV</u>	1.498
Charleston, W. Va.	2.482	Wichita, Kans.	1.415
Butte, Mont.	2.372	Oklahoma City, Okla.	1.372
<u>Average for group V</u>	2.249	El Paso, Texas	1.281
Charleston, S. C.	2.197	Chattanooga, Tenn.	1.225
Jackson, Miss.	2.191	Mobile, Ala.	1.193
Manchester, N. H.	2.160	Knoxville, Tenn.	1.151
York, Pa.	1.987	Miami, Fla.	1.111
Portland, Me.	1.977	Richmond, Va.	1.078
		Savannah, Ga.	1.037
		Norfolk, Va.	1.034
		Little Rock, Ark.	1.007
		Jacksonville, Fla. ....	.996
		Charlotte, N. C. ....	.955
HELPERS AND LABORERS			
Population group I (1,000,000 and over):		Population group V (40,000 to 100,000):	
New York, N. Y.	2.163	Charleston, W. Va.	1.647
Chicago, Ill.	2.003	Butte, Mont.	1.546
<u>Average for group I</u>	1.956	Manchester, N. H.	1.438
Detroit, Mich.	1.946	<u>Average for group V</u>	1.422
Los Angeles, Calif.	1.881	Portland, Me.	1.381
Philadelphia, Pa.	1.531	York, Pa.	1.302
		Jackson, Miss.	1.016
Population group II (500,000 to 1,000,000):		Charleston, S. C. ....	.903
Cleveland, Ohio	2.103		
Buffalo, N. Y.	2.001		
Milwaukee, Wis.	1.993		

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

TABLE 9.—Average union wage rates in the building trades by region ^{1/}, July 1, 1951

Trade	United States	Region								
		New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Mountain	Pacific
All building trades	\$2.42	\$2.25	\$2.66	\$2.27	\$2.03	\$2.49	\$2.37	\$2.16	\$2.14	\$2.42
Journeymen	2.60	2.44	2.88	2.53	2.30	2.62	2.54	2.39	2.42	2.52
Asbestos workers	2.63	2.60	2.82	2.53	2.47	2.62	2.65	2.54	2.33	2.62
Boilermakers	2.62	2.60	2.96	2.59	2.48	2.62	2.54	2.38	2.52	2.53
Bricklayers	2.95	2.79	3.19	3.00	2.74	2.77	2.92	3.00	3.03	3.02
Carpenters	2.53	2.27	2.86	2.41	2.17	2.61	2.48	2.23	2.30	2.40
Cement finishers	2.53	2.76	2.82	2.32	2.20	2.52	2.58	2.28	2.37	2.40
Electricians (inside wiremen)	2.73	2.53	3.09	2.62	2.50	2.72	2.58	2.59	2.53	2.70
Elevator constructors	2.72	2.61	2.92	2.75	2.54	2.65	2.65	2.61	2.59	2.77
Glaziers	2.34	2.19	2.55	2.24	2.07	2.45	2.43	2.01	2.07	2.23
Lathers	2.90	2.88	2.98	2.82	2.48	2.74	2.71	2.77	2.95	3.11
Machinists	2.57	2.75	2.77	2.47	2.37	2.55	2.61	2.46	-	2.49
Marble setters	2.64	2.54	2.71	2.91	2.65	2.57	2.61	2.54	2.57	2.61
Mosaic and terrazzo workers	2.72	2.51	2.94	2.76	2.67	2.58	2.67	2.43	2.72	2.68
Painters	2.41	2.12	2.55	2.23	2.10	2.45	2.34	2.15	2.25	2.49
Paperhangers	2.38	1.87	2.32	2.05	2.16	2.48	2.28	2.04	2.33	2.47
Plasterers	2.93	2.86	3.17	2.83	2.51	2.78	2.89	2.81	2.94	3.08
Plumbers	2.72	2.56	2.93	2.58	2.59	2.67	2.61	2.56	2.59	2.73
Rodmen	2.52	2.67	2.86	2.39	2.21	2.61	2.59	2.26	2.28	2.38
Roofers, composition	2.41	2.40	2.70	2.04	1.91	2.50	2.29	1.98	2.26	2.47
Roofers, slate and tile	2.45	2.54	2.85	2.37	2.02	2.55	2.28	2.02	2.13	2.49
Sheet-metal workers	2.55	2.51	2.88	2.51	2.16	2.56	2.63	2.41	2.27	2.45
Steam and sprinkler fitters	2.70	2.55	2.91	2.51	2.52	2.68	2.61	2.57	2.56	2.73
Stonemasons	2.92	2.81	3.04	3.17	2.75	2.70	2.80	3.03	3.03	3.08
Structural-iron workers	2.69	2.70	3.01	2.69	2.35	2.72	2.55	2.44	2.36	2.55
Tile layers	2.72	2.57	2.87	2.75	2.61	2.63	2.59	2.47	2.73	2.77
Helpers and laborers	1.75	1.72	1.94	1.52	1.12	1.87	1.78	1.33	1.71	1.86
Bricklayers' tenders	1.90	1.70	2.12	1.52	1.17	1.93	1.86	1.40	1.95	2.16
Building laborers	1.65	1.70	1.79	1.48	1.09	1.81	1.70	1.27	1.62	1.75
Composition roofers' helpers	1.50	1.77	1.56	1.70	1.07	1.69	-	1.10	-	-
Elevator constructors' helpers	1.95	1.84	2.10	1.94	1.77	1.94	1.89	1.81	1.82	1.94
Marble setters' helpers	1.78	1.82	1.89	1.93	1.18	1.99	1.73	1.54	1.75	2.02
Plasterers' laborers	2.00	1.84	2.20	1.76	1.20	2.07	2.05	1.52	1.96	2.74
Plumbers' laborers	1.84	-	1.96	1.55	1.08	1.98	1.93	1.23	1.82	1.88
Terrazzo workers' helpers	2.07	1.87	2.29	1.80	1.20	2.06	1.91	1.32	1.72	2.11
Tile layers' helpers	1.97	1.84	2.17	1.96	1.15	1.97	1.74	1.50	1.86	2.08

^{1/} The regions referred to in this study include:

New England Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
Middle Atlantic New Jersey, New York, and Pennsylvania;
Border States Delaware, District of Columbia, Kentucky, Maryland, Virginia, and West Virginia;
Southeast Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Tennessee;
Great Lakes Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin;
Middle West Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota;
Southwest Arkansas, Louisiana, Oklahoma, and Texas;
Mountain Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming;
Pacific California, Nevada, Oregon, and Washington.

TABLE 10A.--Indexes of union weekly hours in the building trades, 1907-51
(June 1, 1939 = 100)

Date	All trades	Journey-men	Helpers and laborers	Date	All trades	Journey-men	Helpers and laborers
1907: May 15	124.3	123.8	126.1	1930: May 15	109.8	110.0	109.0
1908: May 15	122.4	122.0	123.5	1931: May 15	108.5	108.5	108.1
1909: May 15	120.7	120.5	121.0	1932: May 15	106.5	106.6	105.7
1910: May 15	119.2	119.1	118.8	1933: May 15	106.2	106.2	105.2
1911: May 15	118.8	118.7	118.6	1934: May 15	102.3	102.3	101.9
1912: May 15	118.4	118.3	118.3	1935: May 15	101.5	101.5	101.2
1913: May 15	118.2	118.0	118.3	1936: May 15	101.5	101.5	101.4
1914: May 15	117.7	117.7	117.6	1937: May 15	101.9	101.9	101.8
1915: May 15	117.6	117.6	117.5	1938: June 1	100.2	100.1	100.2
1916: May 15	117.2	117.1	117.2	1939: June 1	100.0	100.0	100.0
1917: May 15	116.9	116.9	116.7	1940: June 1	99.9	100.0	99.4
1918: May 15	116.3	116.2	116.3	1941: June 1	100.3	100.5	99.7
1919: May 15	115.7	115.7	115.2	1942: July 1	101.1	101.8	98.8
1920: May 15	115.1	115.2	114.5	1943: July 1	101.0	102.0	98.1
1921: May 15	115.0	115.1	114.5	1944: July 1	101.2	102.2	98.1
1922: May 15	115.0	115.2	114.2	1945: July 1	101.2	102.2	98.1
1923: May 15	115.1	115.3	114.4	1946: July 1	100.2	101.1	97.4
1924: May 15	115.1	115.3	114.4	1947: July 1	100.1	100.9	97.4
1925: May 15	115.1	115.3	114.2	1948: July 1	100.1	101.0	97.3
1926: May 15	114.9	115.1	113.9	1949: July 1	100.2	101.1	97.3
1927: May 15	114.7	114.8	113.9				
1928: May 15	114.0	114.0	113.8	1950: July 1	100.3	101.2	97.3
1929: May 15	113.0	113.3	111.5	1951: July 1	100.2	101.1	97.2

TABLE 10B.--Indexes of union weekly hours in the building trades, 1907-51
(Average 1947, 1948 and 1949 = 100)

Date	All trades	Journey-men	Helpers and laborers	Date	All trades	Journey-men	Helpers and laborers
1907: May 15	124.1	122.6	129.6	1930: May 15	109.7	108.9	112.0
1908: May 15	122.2	120.8	126.9	1931: May 15	108.4	107.4	111.1
1909: May 15	120.5	119.3	124.3	1932: May 15	106.4	105.5	108.6
1910: May 15	119.0	117.9	122.1	1933: May 15	106.1	105.1	108.1
1911: May 15	118.6	117.5	121.9	1934: May 15	102.2	101.3	104.7
1912: May 15	118.2	117.1	121.5	1935: May 15	101.4	100.5	104.0
1913: May 15	118.0	116.8	121.5	1936: May 15	101.4	100.5	104.2
1914: May 15	117.5	116.5	120.8	1937: May 15	101.8	100.9	104.6
1915: May 15	117.4	116.4	120.7	1938: June 1	100.1	99.1	102.9
1916: May 15	117.0	115.9	120.4	1939: June 1	99.9	99.0	102.7
1917: May 15	116.7	115.7	119.9	1940: June 1	99.8	99.0	102.1
1918: May 15	116.1	115.0	119.5	1941: June 1	100.2	99.5	102.4
1919: May 15	115.5	114.6	118.4	1942: July 1	101.0	100.8	101.5
1920: May 15	115.0	114.1	117.6	1943: July 1	100.9	101.0	100.8
1921: May 15	114.9	114.0	117.6	1944: July 1	101.1	101.2	100.8
1922: May 15	114.9	114.1	117.3	1945: July 1	101.1	101.2	100.8
1923: May 15	115.0	114.2	117.5	1946: July 1	100.1	100.1	100.1
1924: May 15	115.0	114.2	117.5	1947: July 1	100.0	99.9	100.1
1925: May 15	115.0	114.2	117.3	1948: July 1	100.0	100.0	100.0
1926: May 15	114.8	114.0	117.0	1949: July 1	100.1	100.1	100.0
1927: May 15	114.6	113.7	117.0				
1928: May 15	113.9	112.9	116.9	1950: July 1	100.2	100.2	100.0
1929: May 15	112.9	112.2	114.6	1951: July 1	100.1	100.1	99.9

TABLE 11A.--Indexes of union weekly hours in each building trade, 1907-51

(June 1, 1939 = 100)

Date	Asbestos workers	Boiler-makers	Brick-layers	Car-penters	Cement finishers	Electricians (inside wiremen)	Elevator constructors	Gla-ziers	Lath-ers	Ma-chinists	Marble and ter-razzo workers	Paint-ers	Paper-hangers	Plas-terers	
1907: May 15	-	-	122.9	121.0	122.7	124.2	-	-	-	-	113.0	-	133.1	-	125.8
1908: May 15	-	-	120.3	119.2	121.6	123.3	-	-	-	-	113.0	-	131.0	-	125.2
1909: May 15	-	-	117.8	117.8	122.5	122.5	-	-	-	-	111.8	-	129.2	-	125.2
1910: May 15	-	-	115.6	116.4	122.3	121.8	-	-	-	-	111.6	-	127.5	-	125.1
1911: May 15	-	-	115.1	115.8	121.1	121.6	-	-	-	-	111.1	-	126.7	-	125.8
1912: May 15	-	-	115.1	115.7	121.1	121.2	-	-	121.8	-	111.1	-	126.6	-	124.3
1913: May 15	-	-	114.9	115.6	119.8	120.7	-	-	121.8	-	111.1	-	125.9	-	124.3
1914: May 15	-	-	114.4	115.1	119.0	120.3	114.7	-	121.8	-	110.9	-	125.6	-	124.2
1915: May 15	-	-	114.3	115.1	119.0	119.6	114.2	-	121.2	-	110.9	-	125.6	-	123.6
1916: May 15	115.1	-	114.0	115.1	117.2	118.6	114.1	-	121.2	-	110.7	118.5	124.7	-	122.3
1917: May 15	114.6	-	113.7	115.1	115.9	118.1	113.5	-	120.6	-	110.6	118.5	124.6	-	122.2
1918: May 15	114.0	-	113.7	113.9	115.3	117.3	113.5	118.0	120.6	-	110.6	114.3	124.0	-	121.9
1919: May 15	112.8	-	113.5	113.2	114.4	116.3	112.7	118.0	120.3	-	110.1	114.3	123.8	-	121.9
1920: May 15	112.7	-	113.4	113.3	113.8	116.0	112.6	117.5	119.6	-	110.1	114.3	120.2	-	121.6
1921: May 15	113.0	-	113.4	113.2	113.8	116.0	112.5	118.0	119.3	-	110.2	114.3	120.3	-	121.3
1922: May 15	113.0	-	113.4	113.3	113.7	116.0	112.2	118.1	119.4	-	110.2	114.3	121.2	-	121.4
1923: May 15	112.7	-	113.4	113.7	113.7	116.0	112.3	117.5	119.8	-	110.2	114.3	120.9	-	122.0
1924: May 15	112.8	-	113.3	113.5	113.7	115.9	112.3	117.5	119.6	-	110.2	114.4	120.8	-	122.1
1925: May 15	112.8	-	113.2	113.5	113.4	115.9	112.2	117.1	119.2	-	110.2	114.3	121.1	-	121.7
1926: May 15	112.8	-	113.3	113.5	113.4	115.9	112.2	117.5	118.9	-	110.2	114.3	120.7	-	118.2
1927: May 15	112.7	-	112.7	113.5	113.0	115.9	112.2	117.9	118.3	-	110.1	113.9	120.2	-	117.7
1928: May 15	112.7	-	112.7	112.9	112.4	115.3	112.2	117.4	117.7	-	110.1	113.9	117.0	-	116.7
1929: May 15	111.7	-	109.8	112.9	112.5	112.6	111.7	116.1	117.1	-	110.1	114.0	116.7	-	115.6
1930: May 15	107.6	-	107.1	109.4	108.1	109.9	108.2	112.4	110.4	-	104.3	107.8	115.4	-	113.0
1931: May 15	105.0	-	105.5	107.7	106.9	108.8	106.1	110.4	109.8	-	102.4	106.7	114.4	-	112.1
1932: May 15	103.7	-	103.1	105.0	105.6	106.2	106.1	107.9	109.3	-	101.3	102.4	114.2	-	110.1
1933: May 15	102.6	-	104.2	103.4	107.6	106.2	103.9	107.9	108.8	-	101.2	103.8	114.0	-	112.4
1934: May 15	102.5	-	102.4	102.5	103.7	99.9	103.0	102.3	102.5	-	100.1	103.7	99.9	-	107.6
1935: May 15	101.7	-	102.3	102.0	103.5	95.8	102.7	101.6	102.3	-	100.1	103.0	99.8	-	105.9
1936: May 15	102.0	-	102.3	102.1	103.0	96.2	103.5	102.0	101.3	-	100.0	101.9	100.2	-	104.2
1937: May 15	101.7	105.3	103.3	102.9	103.1	100.9	103.2	102.1	102.7	100.7	102.0	102.6	100.2	100.5	104.3
1938: June 1	100.0	100.0	99.9	100.0	100.0	100.3	102.5	100.2	100.8	100.1	100.0	100.0	100.4	99.8	100.0
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	99.4	100.0	99.7	100.0	100.2	100.0	99.6	100.0	99.8	100.0	95.5	100.0	100.5	100.3	99.8
1941: June 1	100.0	100.5	99.9	100.6	100.7	100.6	99.3	100.6	100.7	99.8	95.7	100.3	100.7	100.8	100.1
1942: July 1	100.1	100.6	100.8	100.8	100.6	104.6	99.0	102.0	102.5	99.8	95.7	100.3	106.5	108.0	102.0
1943: July 1	100.1	100.6	100.8	100.8	100.6	104.6	99.0	102.0	103.4	99.8	95.7	100.3	106.5	108.0	106.0
1944: July 1	100.1	100.6	100.8	101.1	100.6	104.6	99.0	102.0	103.0	99.8	95.7	100.3	106.8	108.9	106.1
1945: July 1	100.1	100.6	100.8	101.1	100.6	104.6	99.0	102.0	103.6	99.8	95.7	100.3	106.8	108.9	106.1
1946: July 1	101.2	98.6	100.3	100.3	100.4	100.5	99.0	102.0	102.2	99.3	95.7	100.3	106.1	108.7	104.1
1947: July 1	101.2	98.6	99.8	100.2	100.0	100.5	99.0	103.5	102.2	100.1	95.7	99.3	106.2	109.0	103.0
1948: July 1	101.5	100.0	100.5	100.2	100.0	100.5	99.0	103.5	98.1	100.1	95.8	101.0	106.2	109.0	102.9
1949: July 1	101.5	100.0	100.1	100.2	100.0	102.2	99.0	103.5	98.1	100.1	95.8	101.0	106.2	109.0	103.5
1950: July 1	101.5	100.0	100.1	100.2	100.0	102.2	99.0	103.5	101.2	100.1	95.8	101.0	106.2	109.0	105.9
1951: July 1	101.5	100.0	100.2	100.2	100.0	102.2	99.0	103.5	101.2	100.1	95.8	101.0	104.9	107.7	105.9

TABLE 11A.—Indexes of union weekly hours in each building trade, 1907-51 - Continued
(June 1, 1939 = 100)

Date	Plumbers	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: May 15	120.6	-	-	-	117.0	120.3	118.4	121.3	-	118.9	121.6	-	125.7	-	-
1908: May 15	120.7	-	-	-	116.9	120.3	118.4	118.9	-	118.9	121.6	-	125.2	-	-
1909: May 15	120.7	-	-	-	116.9	120.0	118.4	117.3	-	118.5	121.2	-	124.9	-	-
1910: May 15	120.5	-	-	-	116.9	119.3	116.6	116.0	-	117.5	118.3	-	124.9	-	-
1911: May 15	120.2	-	-	-	116.6	119.2	115.8	115.8	-	116.9	118.3	-	124.8	-	-
1912: May 15	119.2	-	-	-	115.1	118.4	115.8	114.6	111.5	116.0	118.3	-	124.2	-	126.2
1913: May 15	119.2	-	-	-	114.9	118.0	115.7	114.1	113.9	116.0	118.3	-	124.2	-	125.6
1914: May 15	118.8	-	113.2	112.8	114.8	116.5	115.7	113.9	113.9	114.5	117.9	-	124.3	-	125.6
1915: May 15	118.8	-	113.2	112.8	114.6	116.5	115.6	113.9	113.5	114.5	117.9	-	124.3	-	123.7
1916: May 15	118.2	-	113.2	112.4	114.1	116.1	115.4	113.6	112.9	114.5	117.3	-	123.1	-	123.3
1917: May 15	118.1	-	112.4	110.4	114.0	116.0	115.3	113.4	112.6	114.4	116.0	-	122.9	-	122.3
1918: May 15	117.1	-	111.9	110.4	112.8	114.9	115.3	113.0	112.6	114.4	115.5	-	122.9	-	122.3
1919: May 15	116.7	-	111.9	110.1	112.3	114.8	114.6	112.8	112.1	114.0	113.3	-	122.4	-	121.9
1920: May 15	116.7	-	111.9	110.1	111.9	114.7	114.6	112.8	111.8	113.8	112.1	-	122.4	-	121.9
1921: May 15	116.5	-	109.8	110.0	111.9	114.6	114.7	112.8	111.9	113.8	112.1	-	121.9	-	122.1
1922: May 15	116.5	-	109.8	109.9	111.8	114.6	114.6	112.8	111.7	114.0	111.3	-	121.9	-	122.1
1923: May 15	116.5	-	109.8	110.2	111.8	114.6	114.6	112.8	112.0	114.0	112.1	-	122.0	-	123.2
1924: May 15	116.5	-	109.8	109.8	111.8	114.6	114.3	112.8	112.0	113.9	111.8	-	121.9	-	123.2
1925: May 15	116.5	-	109.8	109.8	111.8	114.6	114.3	112.5	112.0	113.8	111.9	-	121.8	-	123.2
1926: May 15	116.5	-	109.8	109.8	111.8	114.4	114.5	112.8	112.0	113.9	112.1	-	117.8	-	123.2
1927: May 15	116.2	-	109.8	109.8	111.4	114.2	114.3	112.8	111.9	113.9	112.3	-	117.7	-	123.2
1928: May 15	116.2	-	109.7	109.8	111.1	114.2	114.2	112.7	111.6	113.9	112.2	-	118.0	-	123.2
1929: May 15	115.2	-	109.2	108.5	111.0	113.6	110.9	112.2	111.4	107.6	112.1	-	117.9	-	122.6
1930: May 15	109.9	-	104.9	103.8	106.9	108.5	107.1	108.8	105.6	106.9	110.0	-	114.9	-	114.7
1931: May 15	108.4	-	103.6	102.1	105.1	107.4	105.2	107.5	104.2	106.3	108.7	-	113.9	-	113.5
1932: May 15	108.0	-	102.5	102.1	103.6	106.4	104.8	104.8	103.1	104.0	104.9	-	113.6	-	112.0
1933: May 15	107.5	-	103.8	102.1	103.5	105.8	104.0	104.5	102.9	103.4	104.5	-	111.7	-	112.1
1934: May 15	106.5	-	101.1	101.7	102.0	105.1	103.5	103.0	96.0	101.5	99.9	-	108.3	-	107.4
1935: May 15	105.8	-	101.0	100.4	102.1	104.8	103.4	101.8	96.0	101.4	99.8	-	107.0	-	93.5
1936: May 15	104.4	-	101.6	101.3	102.0	105.0	103.4	101.7	95.9	101.2	100.3	-	105.2	-	93.5
1937: May 15	105.0	100.1	101.7	101.2	102.1	105.1	103.4	101.2	100.0	101.5	100.6	100.0	105.2	-	100.0
1938: June 1	99.7	100.1	99.9	100.0	100.0	99.6	100.0	100.1	100.0	100.3	100.1	100.0	100.3	100.0	100.0
1939: June 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1940: June 1	99.0	100.0	99.6	99.9	100.0	100.0	99.9	100.0	100.0	99.9	99.4	99.7	99.6	96.9	100.0
1941: June 1	99.4	100.9	100.3	99.9	100.8	100.6	100.0	100.4	100.4	99.8	99.7	100.3	100.0	96.9	100.4
1942: July 1	99.9	101.9	100.4	101.3	100.9	102.2	100.2	101.1	101.7	98.6	98.8	100.6	100.1	96.6	100.4
1943: July 1	101.8	101.0	100.3	101.1	100.9	102.2	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.8	100.4
1944: July 1	101.8	101.0	100.2	101.1	100.9	102.2	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.7	100.4
1945: July 1	101.8	101.0	100.2	101.1	100.9	102.2	100.2	101.1	100.7	98.4	97.4	100.1	100.7	99.7	100.4
1946: July 1	98.3	100.4	99.9	101.1	100.8	101.3	100.0	101.1	100.7	96.9	97.2	100.1	100.0	96.9	100.4
1947: July 1	97.3	99.8	99.9	101.1	100.1	101.3	99.3	101.1	100.7	96.4	97.2	100.1	99.2	96.9	100.4
1948: July 1	97.6	99.8	99.9	101.1	100.1	101.3	101.0	101.1	100.7	96.4	97.2	100.1	97.9	96.9	100.4
1949: July 1	97.6	99.8	98.7	101.1	99.9	101.3	100.8	101.1	100.7	96.4	97.2	100.1	97.9	96.9	100.4
1950: July 1	98.3	99.8	98.7	101.1	99.9	101.3	100.8	101.1	100.7	96.4	97.2	100.1	97.9	96.9	100.4
1951: July 1	98.3	99.8	98.7	101.1	99.9	101.3	100.9	101.1	100.7	96.2	97.0	100.1	99.1	96.9	100.4

1/ Included rodmen prior to 1940.

TABLE 11B.—Indexes of union weekly hours in each building trade, 1907-51
(Average 1947, 1948 and 1949 = 100)

Date	Asbestos workers	Boiler-makers	Brick-layers	Car-penters	Cement finishers	Electricians (inside wiremen)	Elevator constructors	Glassiers	Lathers	Machinists	Marble setters	Mosaic and terrazzo workers	Painters	Paper-hangers	Plasterers
1907: May 15	-	-	122.7	120.8	122.7	122.9	-	-	-	-	118.0	-	125.3	-	122.0
1908: May 15	-	-	120.1	119.0	121.6	122.0	-	-	-	-	118.0	-	123.4	-	121.4
1909: May 15	-	-	117.6	117.6	122.5	121.2	-	-	-	-	116.8	-	121.7	-	121.4
1910: May 15	-	-	115.4	116.2	122.3	120.5	-	-	-	-	116.5	-	120.1	-	121.3
1911: May 15	-	-	115.0	115.6	121.1	120.3	-	-	-	-	116.0	-	119.3	-	122.0
1912: May 15	-	-	115.0	115.5	121.1	119.9	-	-	122.5	-	116.0	-	119.2	-	120.5
1913: May 15	-	-	114.8	115.4	119.8	119.4	-	-	122.5	-	116.0	-	118.5	-	120.5
1914: May 15	-	-	114.3	114.9	119.0	119.0	115.9	-	122.5	-	115.8	-	118.3	-	120.4
1915: May 15	-	-	114.2	114.9	119.0	118.3	115.4	-	121.9	-	115.8	-	118.3	-	119.8
1916: May 15	113.5	-	113.9	114.9	117.2	117.4	115.3	-	121.9	-	115.6	118.0	117.4	-	118.6
1917: May 15	113.0	-	113.6	114.9	115.9	116.9	114.6	-	121.3	-	115.5	118.0	117.3	-	118.5
1918: May 15	112.4	-	113.6	113.7	115.3	116.1	114.6	114.0	121.3	-	115.5	113.8	116.8	-	118.2
1919: May 15	111.2	-	113.4	113.0	114.4	115.1	113.8	114.0	121.0	-	115.0	113.8	116.6	-	118.2
1920: May 15	111.1	-	113.3	113.1	113.8	114.8	113.7	113.5	120.2	-	115.0	113.8	113.2	-	117.9
1921: May 15	111.4	-	113.3	113.0	113.8	114.8	113.6	114.0	119.9	-	115.1	113.8	113.3	-	117.6
1922: May 15	111.4	-	113.3	113.1	113.7	114.8	113.3	114.1	120.0	-	115.1	113.8	114.1	-	117.7
1923: May 15	111.1	-	113.3	113.5	113.7	114.8	113.4	113.5	120.5	-	115.1	113.8	113.8	-	118.3
1924: May 15	111.2	-	113.2	113.3	113.7	114.7	113.4	113.5	120.2	-	115.1	113.9	113.7	-	118.4
1925: May 15	111.2	-	113.1	113.3	113.4	114.7	113.3	113.1	119.8	-	115.1	113.8	114.0	-	118.0
1926: May 15	111.2	-	113.2	113.3	113.4	114.7	113.3	113.5	119.5	-	115.1	113.8	113.7	-	114.6
1927: May 15	111.1	-	112.6	113.3	113.0	114.7	113.3	113.9	118.9	-	115.0	113.4	113.2	-	114.1
1928: May 15	111.1	-	112.6	112.7	112.4	114.1	113.3	113.4	118.3	-	115.0	113.4	110.2	-	113.2
1929: May 15	110.2	-	109.7	112.7	112.5	111.4	112.8	112.2	117.7	-	115.0	113.5	109.9	-	112.1
1930: May 15	106.1	-	107.0	109.2	108.1	108.7	109.3	108.6	111.0	-	108.9	107.3	108.7	-	109.6
1931: May 15	103.6	-	105.4	107.5	106.9	107.7	107.2	106.7	110.4	-	106.9	106.2	107.7	-	108.7
1932: May 15	102.3	-	103.0	104.8	105.6	105.1	107.2	104.3	109.9	-	105.8	102.0	107.5	-	106.8
1933: May 15	101.2	-	104.1	103.2	107.6	105.1	104.9	104.3	109.4	-	105.7	103.4	107.3	-	109.0
1934: May 15	101.1	-	102.3	102.3	103.7	98.9	104.0	98.8	103.1	-	104.5	103.3	94.2	-	104.3
1935: May 15	100.3	-	102.2	101.8	103.5	94.8	103.7	98.2	102.9	-	104.5	102.6	94.0	-	102.7
1936: May 15	100.6	-	102.2	101.9	103.0	95.2	104.5	98.6	101.9	-	104.4	101.5	94.4	-	101.0
1937: May 15	100.3	105.8	103.2	102.7	103.1	99.8	104.2	98.6	103.3	100.6	106.5	102.2	94.4	92.2	101.1
1938: June 1	98.6	100.5	99.8	99.8	100.0	99.2	103.5	96.8	101.3	100.0	104.4	99.6	94.5	91.6	97.0
1939: June 1	98.6	100.5	99.9	99.8	100.0	99.0	101.0	96.6	100.5	99.9	104.4	99.6	94.2	91.7	97.0
1940: June 1	98.0	100.5	99.6	99.8	100.2	99.0	100.6	96.6	100.3	99.9	99.7	99.6	94.6	92.0	96.8
1941: June 1	98.6	101.0	99.8	100.4	100.7	99.5	100.3	97.2	101.2	99.7	99.9	99.9	94.8	92.5	97.1
1942: July 1	98.7	101.1	100.7	100.6	100.6	103.5	100.0	98.6	103.1	99.7	99.9	99.9	100.3	99.1	98.9
1943: July 1	98.7	101.1	100.7	100.6	100.6	103.5	100.0	98.6	104.0	99.7	99.9	99.9	100.3	99.1	102.8
1944: July 1	98.7	101.1	100.7	100.9	100.6	103.5	100.0	98.6	103.6	99.7	99.9	99.9	100.6	99.9	102.9
1945: July 1	98.7	101.1	100.7	100.9	100.6	103.5	100.0	98.6	104.2	99.7	99.9	99.9	100.6	99.9	102.9
1946: July 1	99.8	99.1	100.2	100.1	100.4	99.4	100.0	98.6	102.8	99.2	99.9	99.9	99.9	99.7	100.9
1947: July 1	99.8	99.1	99.7	100.0	100.0	99.4	100.0	100.0	102.8	100.0	99.9	98.9	100.0	100.0	99.9
1948: July 1	100.1	100.5	100.4	100.0	100.0	99.4	100.0	100.0	98.6	100.0	100.0	100.6	100.0	100.0	99.8
1949: July 1	100.1	100.5	100.0	100.0	100.0	101.1	100.0	100.0	98.6	100.0	100.0	100.6	100.0	100.0	100.4
1950: July 1	100.1	100.5	100.0	100.0	100.0	101.1	100.0	100.0	101.7	100.0	100.0	100.6	100.0	100.0	102.7
1951: July 1	100.1	100.5	100.1	100.0	100.0	101.1	100.0	100.0	101.7	100.0	100.0	100.6	98.8	98.8	102.7

TABLE 11B.--Indexes of union weekly hours in each building trade, 1907-51 - Continued

(Average 1947, 1948 and 1949 = 100)

Date	Plumbers	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: May 15	123.7	-	-	-	117.0	118.8	118.0	120.0	-	123.3	125.1	-	127.8	-	-
1908: May 15	123.8	-	-	-	116.9	118.8	118.0	117.6	-	123.3	125.1	-	127.3	-	-
1909: May 15	123.8	-	-	-	116.9	118.5	118.0	116.0	-	122.9	124.7	-	127.0	-	-
1910: May 15	123.6	-	-	-	116.9	117.8	116.2	114.7	-	121.9	121.7	-	127.0	-	-
1911: May 15	123.3	-	-	-	116.6	117.7	115.4	114.5	-	121.3	121.7	-	126.9	-	-
1912: May 15	122.3	-	-	-	115.1	116.9	115.4	113.4	110.7	120.3	121.7	-	126.3	-	125.7
1913: May 15	122.3	-	-	-	114.9	116.5	115.3	112.9	113.1	120.3	121.7	-	126.3	-	125.1
1914: May 15	121.8	-	113.8	111.6	114.8	115.0	115.3	112.7	113.1	118.8	121.3	-	126.4	-	125.1
1915: May 15	121.8	-	113.8	111.6	114.6	115.0	115.2	112.7	112.7	118.8	121.3	-	126.4	-	123.2
1916: May 15	121.2	-	113.8	111.2	114.1	114.6	115.0	112.4	112.1	118.8	120.7	-	125.2	-	122.8
1917: May 15	121.1	-	113.0	109.2	114.0	114.5	114.9	112.2	111.8	118.7	119.3	-	125.0	-	121.8
1918: May 15	120.1	-	112.5	109.2	112.8	113.4	114.9	111.8	111.8	118.7	118.8	-	125.0	-	121.8
1919: May 15	119.7	-	112.5	108.9	112.3	113.3	114.2	111.6	111.3	118.3	116.6	-	124.5	-	121.4
1920: May 15	119.7	-	112.5	108.9	111.9	113.2	114.2	111.6	111.0	118.0	115.3	-	124.5	-	121.4
1921: May 15	119.5	-	110.4	108.8	111.9	113.1	114.3	111.6	111.1	118.0	115.3	-	124.0	-	121.6
1922: May 15	119.5	-	110.4	108.7	111.8	113.1	114.2	111.6	110.9	118.3	114.5	-	124.0	-	121.6
1923: May 15	119.5	-	110.4	109.0	111.8	113.1	114.2	111.6	111.2	118.3	115.3	-	124.1	-	122.7
1924: May 15	119.5	-	110.4	108.6	111.8	113.1	113.9	111.6	111.2	118.2	115.0	-	124.0	-	122.7
1925: May 15	119.5	-	110.4	108.6	111.8	113.1	113.9	111.3	111.2	118.0	115.1	-	123.9	-	122.7
1926: May 15	119.5	-	110.4	108.6	111.8	112.9	114.1	111.6	111.2	118.2	115.3	-	119.8	-	122.7
1927: May 15	119.2	-	110.4	108.6	111.4	112.7	113.9	111.6	111.1	118.2	115.5	-	119.7	-	122.7
1928: May 15	119.2	-	110.3	108.6	111.1	112.7	113.8	111.5	110.8	118.2	115.4	-	120.0	-	122.7
1929: May 15	118.2	-	109.7	107.3	111.0	112.1	110.5	111.0	110.6	111.6	115.3	-	119.9	-	122.1
1930: May 15	112.7	-	105.4	102.7	106.9	107.1	106.7	107.6	104.9	110.9	113.2	-	116.8	-	114.2
1931: May 15	111.2	-	104.1	101.0	105.1	106.0	104.8	106.3	103.5	110.3	111.8	-	115.8	-	113.0
1932: May 15	110.8	-	103.0	101.0	103.6	105.0	104.4	103.7	102.4	107.9	107.9	-	115.5	-	111.6
1933: May 15	110.3	-	104.3	101.0	103.5	104.4	103.6	103.4	102.2	107.3	107.5	-	113.6	-	111.7
1934: May 15	109.2	-	101.6	100.6	102.0	103.8	103.1	101.9	95.3	105.3	102.8	-	110.1	-	107.0
1935: May 15	108.5	-	101.5	99.3	102.1	103.5	103.0	100.7	95.3	105.2	102.7	-	108.8	-	93.1
1936: May 15	107.1	-	102.1	100.2	102.0	103.7	103.0	100.6	95.2	105.0	103.2	-	107.0	-	93.1
1937: May 15	107.7	100.3	102.2	100.1	102.1	103.8	103.0	100.1	99.3	105.3	103.5	99.9	107.0	-	99.6
1938: June 1	102.3	100.3	100.4	98.9	100.0	98.3	99.6	99.0	99.3	104.0	103.0	99.9	102.0	103.2	99.6
1939: June 1	102.6	100.2	100.5	98.9	100.0	98.7	99.6	98.9	99.3	103.7	102.9	99.9	101.7	103.2	99.6
1940: June 1	101.5	100.2	100.1	98.8	100.0	98.7	99.5	98.9	99.3	103.6	102.3	99.6	101.3	100.0	99.6
1941: June 1	101.9	101.1	100.8	98.8	100.8	99.3	99.6	99.3	99.7	103.5	102.6	100.2	101.7	100.0	100.0
1942: July 1	102.5	101.1	100.9	100.2	100.9	100.9	99.8	100.0	101.0	102.3	101.6	100.5	101.8	99.7	100.0
1943: July 1	104.4	101.2	100.8	100.0	100.9	100.9	99.8	100.0	100.0	102.1	100.2	100.0	102.4	103.0	100.0
1944: July 1	104.4	101.2	100.7	100.0	100.9	100.9	99.8	100.0	100.0	102.1	100.2	100.0	102.4	102.9	100.0
1945: July 1	104.4	101.2	100.7	100.0	100.9	100.9	99.8	100.0	100.0	102.1	100.2	100.0	102.4	102.9	100.0
1946: July 1	100.8	100.6	100.4	100.0	100.8	100.0	99.6	100.0	100.0	100.5	100.0	100.0	101.7	100.0	100.0
1947: July 1	99.8	100.0	100.4	100.0	100.1	100.0	98.9	100.0	100.0	100.0	100.0	100.0	100.9	100.0	100.0
1948: July 1	100.1	100.0	100.4	100.0	100.1	100.0	100.6	100.0	100.0	100.0	100.0	100.0	99.6	100.0	100.0
1949: July 1	100.1	100.0	99.2	100.0	99.9	100.0	100.4	100.0	100.0	100.0	100.0	100.0	99.6	100.0	100.0
1950: July 1	100.8	100.0	99.2	100.0	99.9	100.0	100.4	100.0	100.0	100.0	100.0	100.0	99.6	100.0	100.0
1951: July 1	100.8	100.0	99.2	100.0	99.9	100.0	100.5	100.0	100.0	99.8	99.8	100.0	100.8	100.0	100.0

1/ Included rodmen prior to 1940.

TABLE 12.—Distribution of union members in the building trades by straight-time weekly hours, July 1, 1951

Trade	Average hours per week	Percent of union members having workweek of -					Trade	Average hours per week	Percent of union members having workweek of -					
		30 hours	35 hours	37.5 hours	40 hours	Over 40 hours			30 hours	35 hours	37.5 hours	40 hours	Over 40 hours	
All building trades	39.3	0.6	12.9	0.8	85.7	(1/)	Journeymen: - Continued							
Journeymen	39.3	.6	13.7	-	85.7	(1/)	Roofers, composition	39.5	-	10.6	-	89.2	0.2	
Asbestos workers	39.6	-	7.5	-	92.5	-	Roofers, slate and tile	40.0	-	-	-	100.0	-	
Boilermakers	40.0	-	-	-	100.0	-	Sheet-metal workers	39.5	-	9.3	-	90.7	-	
Bricklayers	38.9	.1	22.6	-	77.3	-	Steam and sprinkler fitters	39.6	-	8.8	-	91.2	-	
Carpenters	39.4	-	12.5	-	87.5	-	Stonemasons	39.3	(1/)	14.9	-	85.1	-	
Cement finishers	39.5	.1	9.5	-	90.4	-	Structural-iron workers	39.9	-	2.8	-	97.2	-	
Electricians (inside wiremen)	39.4	-	12.2	-	87.8	-	Tile layers	40.0	-	-	-	100.0	-	
Elevator constructors	40.0	-	-	-	100.0	-	Helpers and laborers	39.3	0.9	9.8	3.7	85.4	.2	
Glaziers	39.5	-	10.1	-	89.9	-	Bricklayers' tenders	38.3	.1	31.8	3.8	64.3	-	
Lathers	38.5	5.3	19.2	-	75.5	-	Building laborers	39.6	-	6.1	3.7	89.9	.3	
Machinists	40.0	-	-	-	100.0	-	Composition roofers' helpers	39.8	-	5.0	-	95.0	-	
Marble setters	40.0	-	-	-	100.0	-	Elevator constructors' helpers	40.0	-	-	-	100.0	-	
Mosaic and terrazzo workers	40.0	-	-	-	100.0	-	Marble setters' helpers	40.0	.1	-	-	99.9	-	
Painters	38.5	(1/)	30.1	-	69.9	-	Plasterers' laborers	38.6	11.2	1.7	8.6	78.5	-	
Paperhangers	39.4	-	11.3	-	88.4	0.3	Plumbers' laborers	40.0	-	-	-	100.0	-	
Plasterers	37.9	20.6	1.3	-	78.1	-	Terrazzo workers' helpers	40.0	.2	-	-	99.8	-	
Plumbers	39.2	-	16.0	-	84.0	-	Tile layers' helpers	40.0	.1	-	-	99.9	-	
Rodmen	39.7	-	5.9	-	94.1	-								

1/ Less than 0.05 of 1 percent.

TABLE 13.—Percent of union members affected by changes in straight-time weekly hours by trade, July 1, 1951, compared with July 1, 1950

Trade	Percent of union members affected by -			Trade	Percent of union members affected by -		
	No change	Increase	Decrease		No change	Increase	Decrease
All building trades	98.1	0.2	1.7	Journeymen: - Continued			
Journeymen	98.6	.2	1.2	Roofers, composition	100.0	-	-
Asbestos workers	100.0	-	-	Roofers, slate, and tile	100.0	-	-
Boilermakers	100.0	-	-	Sheet-metal workers	100.0	-	-
Bricklayers	99.0	1.0	-	Steam and sprinkler fitters	99.9	0.1	-
Carpenters	99.8	.2	-	Stonemasons	99.2	.8	-
Cement finishers	100.0	-	-	Structural-iron workers	100.0	-	-
Electricians (inside wiremen)	99.9	.1	-	Tile layers	100.0	-	-
Elevator constructors	100.0	-	-	Helpers and laborers	95.8	.5	3.7
Glaziers	100.0	-	-	Bricklayers' tenders	96.2	-	3.8
Lathers	99.9	.1	-	Building laborers	96.3	-	3.7
Machinists	100.0	-	-	Composition roofers' helpers	100.0	-	-
Marble setters	100.0	-	-	Elevator constructors' helpers	100.0	-	-
Mosaic and terrazzo workers	100.0	-	-	Marble setters' helpers	100.0	-	-
Painters	90.8	-	9.2	Plasterers' laborers	84.5	6.9	8.6
Paperhangers	90.1	-	9.9	Plumbers' laborers	100.0	-	-
Plasterers	100.0	-	-	Terrazzo workers' helpers	100.0	-	-
Plumbers	99.9	.1	-	Tile layers' helpers	100.0	-	-
Rodmen	100.0	-	-				

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951

[Hours are 40 per week for both years unless otherwise indicated]

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
ATLANTA, GA.			BALTIMORE, MD. - Continued			BIRMINGHAM, ALA. - Continued		
<u>Journeyman</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Asbestos workers	\$2.250	\$2.500	Carpenters	\$2.350	\$2.420	Cement finishers	\$2.175	\$2.280
Boilermakers	2.350	2.475	Parquetry floor layers, wharf and bridge millwrights, and pile drivers ..	2.350	2.420	Electricians (inside wiremen)	2.250	2.500
Bricklayers	2.500	2.750	Cement finishers	2.300	2.360	Elevator constructors	2.255	2.445
Carpenters	1.875	2.000	Electricians (inside wiremen)	2.400	2.750	Engineers - Power equipment operators:		
Millwrights and pile drivers	1.900	2.000	Elevator constructors	2.590	2.710	Air compressors	1.850	1.925
Cement finishers	2.100	2.310	Engineers - Power equipment operators:			Bulldozers	2.000	2.090
Electricians (inside wiremen)	2.250	2.500	Building construction:			Cranes, derricks, and draglines	2.225	2.340
Elevator constructors	2.325	2.520	Heavy equipment:			Finishing machines	1.850	1.925
Engineers - Power equipment operators:			Derrick, steel, stone, excavating cranes, shovels, double elevators ..	2.600	2.600	Graders:		
Air compressors:			Medium equipment:			Blade	1.950	2.035
Portable and stationary ..	1.500	1.500	Temporary elevators, concrete pumps, single-drum hoists	2.025	2.025	Motor	2.100	2.200
Bulldozers:			Light equipment:			Hoists:		
Under 40 horsepower	1.500	1.500	Compressors, pumps	2.025	2.025	1 drum	1.975	2.060
40 horsepower and over ..	1.750	1.750	Bulldozers	1.825	1.825	2 drums or more	2.225	2.340
Cranes, derricks, draglines, and pile drivers	2.250	2.250	Heavy construction:			Mixers:		
Graders, elevating	2.250	2.250	Whirlies, derricks, cranes, shovels, pile drivers	2.600	2.600	Under 5 bags	1.850	1.925
Hoists:			Medium equipment:			5 bags and over	2.225	2.340
1 drum	1.750	1.750	Hoists (single drum), compressors, pumps	2.025	2.025	Pile drivers	2.225	2.340
2 drums	2.000	2.000	Light equipment:			Pumps	1.850	1.925
3 drums	2.250	2.250	Tractors with attachment	1.825	1.825	Rollers	1.975	2.060
Locomotives	1.750	1.750	Glaziers	2.150	2.150	Scrapers	2.225	2.340
Mixers:			Lathers	2.500	2.750	Shovels	2.225	2.340
Under 10S	1.500	1.500	Machinists	2.350	2.500	Tractors	1.975	2.060
10S and over	1.750	1.750	Marble setters	2.500	2.500	Trenching machines	2.225	2.340
Pumps	1.500	1.500	Mosaic and terrazzo workers ..	2.500	2.500	Tractors	1.950	2.060
Rollers	1.500	1.500	Painters	1.900	2.050	Trenching machines	2.225	2.340
Scrapers	1.750	1.750	Structural steel	2.025	2.175	Glaziers	1.950	2.060
Shovels	2.250	2.250	Paperhangers	1.900	2.050	Lathers	2.250	2.500
Tractors:			Plasterers	2.500	2.500	Marble setters	2.250	2.500
40 horsepower and under ..	1.500	1.500	Plumbers	2.400	2.500	Mosaic and terrazzo workers ..	2.500	2.500
Over 40 horsepower	1.750	1.750	Rodmen	2.350	2.470	Painters	2.000	2.250
Trenching machines	2.000	2.000	Roofers, composition	2.000	2.040	Spray	2.000	2.250
Glaziers	1.850	2.000	Roofers, slate and tile	2.250	2.370	Structural steel, stage and swing stage	2.250	2.500
Lathers	2.250	2.500	Sheeters and precast slabsmen	2.400	2.480	Paperhangers	2.000	2.250
Machinists	2.250	2.500	Sheet-metal workers	2.400	2.500	Plasterers	2.300	2.420
Mosaic and terrazzo workers ..	2.500	2.750	Sign painters	2.000	2.200	Plumbers	2.450	2.500
Painters	1.850	2.000	Steam fitters	2.400	2.500	Rodmen	2.050	2.170
Structural steel and swinging stage	2.100	2.250	Stonemasons	3.000	3.200	Roofers, composition	1.900	1.935
Paperhangers	2.100	2.250	Structural-iron workers	2.650	2.800	Roofers, slate and tile, slabbers and sheeters	1.900	1.935
Plasterers	2.250	2.500	Tile layers	2.500	2.500	Sheet-metal workers	2.125	2.200
Plumbers	2.600	2.750				Sign painters	2.000	2.250
Rodmen	2.000	2.060				Steam fitters	2.450	2.500
Roofers, composition	1.500	1.750				Stonemasons	2.750	2.750
Roofers, slate and tile	1.500	1.750				Structural- and ornamental-iron workers	2.300	2.420
Sheet-metal workers	2.000	2.000				Buckers-up	(1/)	2.545
Sign painters	2.000	2.000				Sheeters	2.550	2.670
Steam fitters	2.600	2.750				Tile layers	2.500	2.500
Stonemasons	2.500	2.750						
Structural- and ornamental-iron workers	2.250	2.335						
Erectors	(1/)	2.335						
Tile layers	2.500	2.750						
<u>Helpers and laborers</u>			<u>Helpers and laborers</u>			<u>Helpers and laborers</u>		
Bricklayers' tenders	1.100	1.100	Bricklayers' tenders	1.450	1.480	Bricklayers' tenders	1.000	1.100
Building laborers	1.000	1.050	Building laborers	1.350	1.380	Rod carriers	1.050	1.150
Elevator constructors' helpers	1.625	1.760	Elevator constructors' helpers	1.810	1.900	Mortar mixers	1.100	1.200
Plasterers' laborers	1.100	1.100	Marble setters' helpers	1.625	1.650	Building laborers, concrete workers	1.000	1.100
Plumbers' laborers	1.000	1.000	Plasterers' laborers	1.450	1.480	Elevator constructors' helpers	1.580	1.710
			Hod carriers	1.650	1.700	Marble setters' helpers	1.000	1.100
			Plumbers' laborers	1.350	1.380	Plasterers' laborers	1.050	1.150
			Terrazzo workers' helpers ..	1.600	1.600	Plumbers' laborers	1.100	1.200
			Tile layers' helpers	1.625	1.650	Steam and sprinkler fitters' helpers	1.100	1.200
						Terrazzo workers' helpers ..	1.000	1.100
						Machine operators	1.100	1.200
						Tile layers' helpers	1.000	1.100
BALTIMORE, MD.			BIRMINGHAM, ALA.			BOSTON, MASS.		
<u>Journeyman</u>			<u>Journeyman</u>			<u>Journeyman</u>		
Asbestos workers	2.250	2.500	Asbestos workers	2.250	2.500	Asbestos workers	2.450	2.695
Boilermakers	2.375	2.610	Bricklayers	2.750	2.750	Boilermakers	2.450	2.600
Bricklayers	3.000	3.200	Carpenters, floor layers, pile drivers	1.900	2.125			
			Millwrights	2.025	2.250			

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
BOSTON, MASS. - Continued			BUFFALO, N. Y.			BUFFALO, N. Y. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman</u>			<u>Helpers and laborers - Continued</u>		
Bricklayers	\$2.775	\$2.888	Asbestos workers	\$2.525	\$2.650	Elevator constructors' helpers	\$1.825	\$1.840
Carpenters	2.375	2.475	Boilermakers	2.525	2.800	Marble setters' helpers	1.800	1.843
Cement finishers	2.775	2.888	Bricklayers	2.750	3.020	Plasterers' laborers	1.875	1.915
Electricians (inside wiremen)	2.600	2.750	Carpenters	2.375	2.525	Mortar mixers	1.925	1.965
Elevator constructors	2.545	2.645	Millwrights	2.475	2.600	Plumbers' laborers	2.025	2.065
Engineers - Power equipment operators:			Cement finishers	2.355	2.660	Terrazzo workers' helpers	1.800	1.843
Building construction:			Swing scaffold	2.625	2.730	Terrazzo grinders	1.875	1.925
Heavy equipment:			Machine operators	2.525	2.620	Tile layers' helpers	1.800	11.843
Power shovels, pile drivers, hoisting engines	2.600	2.800	Swing scaffold	2.775	2.870			
Medium equipment:			Electricians (inside wiremen)	2.580	2.750	BUTTE, MONT.		
Bulldozers, concrete mixers, steamboilers ..	2.225	2.425	Elevator constructors	2.605	2.630	<u>Journeyman</u>		
Light equipment:			Engineers - Power equipment operators:			Bricklayers	2/2.500	2/2.500
Pumps, compressors, welding machines	2.150	2.350	Building construction:			Carpenters	2/2.125	2.340
Heavy construction:			Heavy equipment:			Cement finishers	2/2.500	2/2.500
Power shovels, pile drivers, lighters	2.600	2.800	Shovels, cranes, derricks	2.525	2.830	Electricians (inside wiremen)	2/2.417	2.630
Medium equipment:			Medium equipment:			Elevator constructors	2.220	2.570
Concrete mixers, steam boilers, bulldozers ...	2.225	2.425	Carry-alls, trenching machines	2.400	2.705	Engineers - Power equipment operators:		
Light equipment:			Hoists	2.360	2.665	Building construction:		
Pumps, compressors, welding machines	2.150	2.350	Light equipment:			Heavy equipment:		
Glaziers	2.225	2.225	Compressors, mechanical heaters	2.150	2.455	Shovels - under 1 yard	2.125	2.200
Granite cutters	2.775	2.775	Pumps	2.275	2.580	Shovels - 1 yard to and including 4 yards	2.275	2.360
Iathers	2.850	2.970	Heavy construction:			Tractors	2.125	2.200
Machinists	2.250	2.750	Heavy equipment:			Medium equipment:		
Marble setters	2.525	2.610	Shovels, cranes, backhoes	2.525	2.830	Hoists - single drum ..	1.925	1.980
Mosaic and terrazzo workers ..	2.525	2.610	Medium equipment:			Hoists - 2 or more drums ..	2.125	2.200
Painters	2.100	2.250	Graders, carry-alls, trenching machines	2.400	2.705	Air compressors - single ..	1.725	1.920
Plasterers	2.850	2.970	Light equipment:			Air compressors - 2 or more	1.875	1.920
Plumbers	2.450	2.695	Compressors, heating boilers	2.150	2.455	Mixers, concrete - 4 bags or over	1.975	2.040
Rodmen	2.550	2.750	Favers	2.250	2.830	Light equipment:		
Roofers, composition	2.300	2.400	Glaziers	2.100	2.250	Mixers, concrete - 3 bags or under	1.775	1.920
Roofers, slate and tile	2.300	2.400	Iathers	2.525	2.900	Scoopmobiles and similar type loaders	1.875	1.920
Sheet-metal workers	2.450	2.550	Machinists	2.650	2.650	A-frame truck cranes ..	1.925	1.980
Sign painters	1.850	1.950	Marble setters	2.475	2.585	Heavy construction:		
Letterers (outdoor)	1.900	2.075	Mosaic and terrazzo workers ..	2.375	2.475	Heavy equipment:		
Pictorial	2.175	2.275	Painters	2.250	2.338	Shovels - under 1 yard ..	2.125	2.200
Steam fitters	2.450	2.695	Spray and structural steel swinging and steel swinging scaffold	2.250	2.338	Shovels - 1 yard to and including 4 yards	2.275	2.360
Sprinkler fitters	2.450	2.695	Paperhangers	2.250	2.338	Cat tractors; all types ..	2.125	2.200
Stone cutters:			Plasterers	2.525	2.900	Medium equipment:		
Inside	2.250	2.338	Plumbers	2.650	2.650	Crushers	2.125	2.200
Outside	2.775	2.888	Rodmen	2.525	2.640	File drivers	2.125	2.200
Carvers:			Roofers, composition	2.275	2.365	Light equipment:		
Inside	2.500	2.588	Roofers, slate and tile	2.425	2.550	Air compressors - single ..	1.725	1.750
Outside	3.010	3.138	Sheet-metal workers	2.375	2.525	Air compressors - 2 or more	1.875	1.920
Artificial stone patchers:			Sign painters	2.250	2.390	Loaders, (Barber Green and similar types) ...	1.825	1.870
Inside	1.950	2.090	Pictorial	2.360	2.520	Glaziers	1.688	1.750
Outside	2.775	2.888	Steam fitters	2.525	2.800	Iathers	2/2.500	3.125
Stonemasons	2.775	2.888	Sprinkler fitters	2.525	2.640	Marble setters	2/2.500	2/2.500
Structural-iron workers	2.550	2.350	Stonemasons (curb)	2.250	2.475	Mosaic and terrazzo workers ..	2/2.500	2/2.500
Tile layers	2.525	2.610	Building, fitting, and cutting	2.360	2.475	Painters	3/2.143	3/2.285
			Stonemasons	2.750	2.750	Paperhangers	3/2.143	3/2.285
			Structural- and ornamental-iron workers	2.525	2.830	Plasterers	2/2.500	2/2.500
			Tile layers	2.375	2.475	Plumbers	2/2.417	2.750
						Rodmen	2.250	2.250
						Roofers, composition	4/1.750	4/1.750
						Sheet-metal workers	2.375	2.375
						Steam fitters	2/2.417	2.750
						Stonemasons	2/2.500	2/2.500
						Structural-iron workers	2.250	2.250
						Tile layers	2/2.500	2/2.500
<u>Helpers and laborers</u>			<u>Helpers and laborers</u>					
Bricklayers' tenders	1.750	1.815	Bricklayers' tenders	1.775	2.020			
Building laborers	1.750	1.815	Building laborers	1.775	2.020			
Composition roofers' helpers ..	1.675	1.770						
Elevator constructors' helpers ..	1.750	1.850						
Marble setters' helpers	1.900	1.925						
Plasterers' helpers	1.900	1.980						
Terrazzo workers' helpers	1.975	2.000						
Tile layers' helpers	1.900	1.925						

2/ 30-hour workweek.
 3/ 35-hour workweek.
 4/ 48-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
BUTTE, MONT. - Continued			CHARLESTON, W. VA. - Continued			CHARLOTTE, N. C. - Continued		
<u>Helpers and laborers</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Bricklayers' tenders	2/1.750	2/1.875	Bricklayers	2.750	3.000	Engineers - Power equipment operators:	\$	\$
Building laborers	4/1.500	4/1.500	Carpenters	2.250	2.340	Air compressors	1.625	1.875
Elevator constructors' helpers	1.550	1.880	Millwrights	2.375	2.555	Bulldozers	1.750	1.875
Marble setters' helpers	2/1.750	2/1.875	Pile drivers	2.375	2.555	Cranes, derricks	2.000	2.125
Plasterers' laborers	2/1.750	2/1.875	Cement finishers	2.000	2.250	Draglines	1.875	2.125
Terrazzo workers' helpers	2/1.750	2/1.875	Electricians (inside wiremen)	2.425	2.550	Graders	1.750	2.000
Tile layers' helpers	2/1.750	2/1.875	Elevator constructors	2.335	2.555	Hoists:		
CHARLESTON, S. C.			Engineers - Power equipment operators:			1 drum	1.625	1.625
<u>Journeyman</u>			Building construction:			2 or more drums	1.875	1.875
Asbestos workers	2.125	2.500	Heavy equipment:			Boom	(1/)	2.125
Boilermakers	2.350	2.475	Cranes, derricks, and shovels	2.375	2.500	Locomotives	1.625	1.625
Bricklayers	2.250	2.500	Medium equipment:			Mixers, smaller than 10S ..	(1/)	1.625
Carpenters	1.750	1.925	Cranes, derricks, and shovels	2.375	2.500	Mixers, larger than 10S ..	1.625	1.750
Millwrights	2.000	2.200	Light equipment:			Pile drivers	2.000	2.250
Wharf and bridge	1.750	2.200	Compressors, hoists, and welding machines	2.375	2.500	Pumps, under 2 inches	(1/)	1.625
Parquetry floor layers (soft floor)	(1/)	2.100	Heavy construction:			Pumps, over 2 inches	1.625	1.750
Cement finishers	1.750	1.750	Heavy equipment:			Rollers:		
Electricians (inside wiremen):			Cranes, draglines, and shovels	2.375	2.500	Asphalt	1.750	2.000
Commercial	2.000	2.350	Medium equipment:			Earth	1.625	1.870
Residential	1.500	2.350	Cranes, draglines, and shovels	2.375	2.500	Scrapers	1.875	2.125
Elevator constructors	2.150	2.270	Light equipment:			Shovels	1.875	2.125
Engineers - Power equipment operators:			Bulldozers, LeTourneaus, and scoops	1.925	2.050	Trenching machines	1.875	2.125
Air compressors	1.750	1.750	Glaziers	2.100	2.175	Tractors, with attachments	(1/)	2.125
Bulldozer operators	1.600	1.750	Lathers (wood, wire and metal)	2.125	2.340	Glaziers	1.650	1.650
Crane operators	2.000	2.250	Marble setters	2.550	2.800	Lathers	2.500	2.500
Hoists:			Mosaic and terrazzo workers ..	2.550	2.800	Marble setters	2.250	2.500
1 drum	1.750	2.000	Painters	2.000	2.200	Mosaic and terrazzo workers ..	2.000	2.500
2 or more drums	2.000	2.250	Spray	2.375	2.475	Painters	1.650	1.650
Mixers	1.750	1.750	Structural steel	2.250	2.475	Spray	2.000	2.200
Pile drivers	2.000	2.250	Paperhangers	2.000	2.200	Structural steel	1.900	2.090
Glaziers:			Plasterers	2.250	2.500	Stage work	1.900	2.090
Wood	1.500	1.750	Plumbers	2.375	2.475	Tanks, towers, and hazardous work	(1/)	2.200
Steel	2.000	2.250	Rodmen	2.375	2.500	Paperhangers	1.900	2.090
Painters	1.500	1.750	Roofers, composition	1.875	1.925	Plasterers	2.250	2.250
Spray	1.625	2.500	Roofers, slate and tile	1.875	1.925	Plumbers	2.125	2.375
Structural steel and swinging stage	2.000	2.250	Sheet-metal workers	2.150	2.300	Rodmen	1.750	2.000
Paperhangers	1.500	1.750	Sign painters	2.175	2.175	Sheet-metal workers	1.800	2.000
Plasterers	2.250	2.500	Steam fitters	2.375	2.475	Steam fitters	2.125	2.375
Plumbers	2.250	2.500	Stonemasons	2.750	3.000	Structural- and ornamental-iron workers	2.000	2.250
Rodmen	1.750	2.000	Structural-iron workers	2.375	2.500	Tile layers	2.000	2.500
Sheet-metal workers	1.750	2.000	Finishers	2.375	2.500	<u>Helpers and laborers</u>		
Sign painters	1.500	1.750	Sheeters	2.500	2.750	Bricklayers' tenders .....	.925	.950
Steam fitters	2.250	2.500	Tile layers	2.550	2.800	Hod carriers	(1/)	.950
Structural- and ornamental-iron workers	2.000	2.250	<u>Helpers and laborers</u>			Mortar mixers	(1/)	1.050
Buckers-up	2.125	2.250	Bricklayers' tenders	1.500	1.750	Building laborers .....	.825	.950
Sheeters	2.250	2.500	Building laborers	1.350	1.600	Air tool operators .....	.975	1.050
Tile layers	(1/)	2.500	Elevator constructors' helpers	1.635	1.790	Concrete workers .....	.825	.950
<u>Helpers and laborers</u>			Plasterers' laborers	1.500	1.750	Plasterers' laborers .....	.925	.950
Bricklayers' tenders	1.050	1.000	Plumbers' laborers	1.350	1.600	Plumbers' laborers	(1/)	.950
Hod carriers	1.050	.900	CHARLOTTE, N. C.			CHAITANOOGA, TENN.		
Mortar mixers	1.050	.900	<u>Journeyman</u>			<u>Journeyman</u>		
Building laborers .....	.900	.900	Asbestos workers	2.250	2.330	Boilermakers	2.350	2.475
Concrete workers	(1/)	1.000	Boilermakers	2.350	2.475	Bricklayers	2.500	2.750
Elevator constructors' helpers	1.505	1.590	Bricklayers	2.250	2.475	Carpenters:		
Plasterers' laborers	1.050	1.000	Carpenters, floor layers	1.650	1.850	Commercial	1.900	2.300
Hod carriers	1.050	.900	Millwrights, wharf and bridge, pile drivers	2.000	2.000	Residential	1.750	2.150
Mortar mixers	1.050	1.050	Cement finishers	1.600	1.800	Millwright	1.900	2.300
CHARLESTON, W. VA.			Electricians (inside wiremen)	1.850	2.000	Wharf and bridge, pile drivers	(1/)	2.300
<u>Journeyman</u>			Asbestos workers			Cement finishers	1.850	2.050
Asbestos workers	2.375	2.450	Boilermakers	2.350	2.475	Electricians (inside wiremen)	2.250	2.500
Boilermakers	2.375	2.610	Bricklayers	2.250	2.475	Elevator constructors	2.240	2.460

1/ Information not available for rate and hours on July 1, 1950.
2/ 30-hour workweek.
4/ 48-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
CHATTANOOGA, TENN. - Continued			CHICAGO, ILL. - Continued			CINCINNATI, OHIO - Continued		
<u>Journeyman</u> - Continued			<u>Journeyman</u> - Continued			<u>Journeyman</u> - Continued		
Engineers - Power equipment operators:			Elevator constructors	\$2.525	\$2.760	Carpenters	\$2.250	\$2.475
Air compressors:			Engineers - Power equipment operators:			Millwrights	2.400	2.585
1 portable	\$1.300	\$1.500	Building construction:			Parquetry floor layers	2.250	2.475
2 not more than 3 portable	1.600	1.800	Heavy equipment:			Wharf and bridge	2.250	2.475
Bulldozers	1.800	2.000	Draglines	2.850	3.000	Cement masons	2.150	2.365
Cranes, derricks, draglines, pile drivers	2.000	2.250	Mixers	2.850	3.000	Electricians (inside wiremen)	2.550	2.700
Graders	1.800	2.000	Shovels	2.850	3.000	Elevator constructors	2.505	2.550
Hoists:			Medium equipment:			Engineers - Power equipment operators:		
1 drum	1.600	1.800	Cranes, mobile	2.600	2.700	Building construction:		
2 drums	1.800	2.000	Derricks	2.500	2.650	Heavy equipment:		
Locomotive:			Hoists	2.500	2.650	Cranes	2.450	2.600
Under 20 tons	1.600	1.800	Light equipment:			Derricks	2.450	2.600
20 tons and over	1.800	2.000	Bulldozers	2.250	2.370	Power shovels	2.450	2.600
Mixers (over 2 bags - not to include central plants)	1.600	1.800	Le Tourneau scoops	2.400	2.540	Medium equipment:		
Pumps:			Power blades	2.475	2.615	Power graders	2.200	2.350
1 pump	1.300	1.500	Heavy construction:			Rollers	2.075	2.225
2 not more than 3	1.600	1.800	Heavy equipment:			Trenching machines	2.200	2.350
Rollers	1.600	1.800	Draglines	4/2.850	4/3.000	Light equipment:		
Scrapers	1.800	2.000	Large mixers	4/2.850	4/3.000	Bulldozers	2.200	2.350
Shovels	2.000	2.250	Shovels	4/2.850	4/3.000	Compressors	2.075	2.225
Tournapulls	2.000	2.250	Medium equipment:			Pumps, under 4 inch	1.675	1.825
Tractors	1.600	1.800	Cranes, mobile	4/2.600	4/2.700	Pumps, 4 inch and over	2.075	2.225
Trenching machines	1.800	2.000	Derricks	4/2.500	4/2.650	Heavy construction:		
Glaziers	1.750	1.925	Hoists	4/2.500	4/2.650	Heavy equipment:		
Lathers	2.000	2.250	Light equipment:			Cranes	2.450	2.600
Marble setters	2.500	2.750	Bulldozers	4/2.250	4/2.370	Derricks	2.450	2.600
Mosaic and terrazzo workers	2.500	2.750	Le Tourneau scoops	4/2.400	4/2.540	Power shovels	2.450	2.600
Painters	1.875	1.925	Power blades	4/2.475	4/2.615	Medium equipment:		
Spray	3.000	3.025	Glaziers	2.650	2.800	Power graders	2.200	2.350
Structural steel erected, scaffold over 20 feet	2.150	2.200	Granite cutters	2.560	2.850	Rollers	2.075	2.225
Structural steel on ground	1.875	1.925	Lathers (wood, wire, and metal)	2.550	2.750	Trenching machines	2.200	2.350
Swing scaffold	2.000	2.200	Machinists	2.500	2.600	Light equipment:		
Paperhangers	2.150	2.200	Marble setters and cutters	2.550	2.700	Bulldozers	2.200	2.350
Plasterers	2.250	2.500	Mosaic and terrazzo workers	2.550	2.700	Compressors	1.875	2.025
Plumbers	2.250	2.500	Painters	2.475	2.600	Pumps, under 4 inch	1.675	1.825
Rodmen	2.100	2.350	Paperhangers	2.475	2.600	Pumps, 4 inch and over	2.075	2.225
Roofers, composition	2.000	2.000	Plasterers	2.475	2.600	Glaziers	2.375	2.500
Roofers, slate and tile	2.250	2.250	Plumbers	2.550	2.805	Lathers, wood and metal	2.425	2.585
Sheet-metal workers	2.000	2.250	Rodmen	2.450	2.700	Machinists	2.350	2.500
Steam fitters	2.250	2.500	Roofers, composition	2.600	2.750	Marble setters	2.700	2.840
Stonemasons	2.500	2.750	Roofers, slate and tile	2.625	2.750	Mosaic and terrazzo workers	2.400	2.640
Structural and ornamental-iron workers	2.100	2.350	Roofers, slate and tile	2.550	2.750	Painters	2.150	2.310
Tile layers	2.500	2.750	Roofers, slate and tile	2.550	2.750	Paperhangers	2.150	2.310
<u>Helpers and laborers</u>			Sheet-metal workers	2.600	2.695	Pipe fitters	2.350	2.640
Bricklayers' tenders	1.100	1.300	Sign painters	2.625	2.740	Plasterers	2.500	2.670
Hod carriers	1.100	1.300	Steam fitters	2.500	2.700	Plumbers	2.350	2.640
Mortar mixers	1.200	1.400	Sprinkler fitters	2.500	2.695	Rodmen	2.275	2.500
Building laborers	1.000	1.200	Stonemasons	2.550	2.750	Roofers, composition	2.050	2.255
Composition roofers' helpers	1.100	1.200	Structural-iron workers (erectors)	2.600	2.750	Roofers, slate and tile	2.300	2.350
Elevator constructors' helpers	1.570	1.720	Ornamental-iron finishers	2.550	2.700	Roofers, precast slab	2.400	2.450
Marble setters' helpers	1.100	1.300	Tile layers	2.500	2.700	Sheet-metal workers	2.300	2.350
Plasterers' laborers	1.100	1.300	<u>Helpers and laborers</u>			Sign painters	2.200	2.325
Plumbers' laborers	1.000	1.200	Bricklayers' tenders	1.850	2.000	Stonemasons	2.700	2.840
Tile layers' helpers	1.100	1.300	Building laborers	1.850	2.000	Structural-iron workers:		
CHICAGO, ILL.			Elevator constructors' helpers	1.755	1.930	Bridge, structural and ornamental	2.425	2.500
<u>Journeyman</u>			Marble setters' helpers	1.900	2.000	Finishers	2.425	2.500
Asbestos workers	2.600	2.700	Plasterers' laborers	1.975	2.125	Tile layers	2.450	2.640
Boilermakers	2.600	2.750	Terrazzo workers' helpers	2.100	2.200	<u>Helpers and laborers</u>		
Bricklayers	2.550	2.750	Base-machine operators	2.325	2.450	Bricklayers' tenders	1.850	1.850
Sewer, tunnel, etc.	2.900	3.200	Tile layers' helpers	1.800	1.950	Hod carriers	1.850	1.850
Carpenters	2.550	2.700	CINCINNATI, OHIO			Building laborers	1.650	1.650
Cement finishers	2.450	2.700	<u>Journeyman</u>			Elevator constructors' helpers	1.750	1.785
Electricians (inside wiremen)	2.525	2.775	Asbestos workers	2.325	2.550	Marble setters' helpers	1.900	2.000
			Boilermakers	2.400	2.475	Marble polishers	2.050	2.180
			Bricklayers	2.700	2.840	Floor grinders	2.050	2.180
						Plasterers' laborers	1.850	1.850
						Plumbers' laborers	1.650	1.650
						Sewer pipe layers	1.650	1.650

4/ 48-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
CINCINNATI, OHIO - Continued			CLEVELAND, OHIO - Continued			DALLAS, TEX.		
<u>Helpers and laborers - Continued</u>			<u>Helpers and laborers - Continued</u>			<u>Journeymen</u>		
Terrazzo workers' helpers	\$1.825	\$1.950	Plumbers' laborers	\$2.075	\$2.200	Asbestos workers	\$2.375	\$2.500
Base grinders	2.200	2.320	Terrazzo workers' helpers	2.000	2.125	Bricklayers	3.125	3.125
Tile layers' helpers	1.725	1.850	Machine operators	2.150	2.275	Carpenters	2.125	2.250
CLEVELAND, OHIO			COLUMBUS, OHIO			Cement finishers		
<u>Journeymen</u>			<u>Journeymen</u>			Millwrights		
Asbestos workers	2.525	2.650	Asbestos workers	2.450	2.613	Cement finishers (inside wiremen)	2.125	2.375
Boilermakers	2.550	2.665	Boilermakers	2.400	2.475	Electricians (inside wiremen)	2.375	2.500
Bricklayers	2.700	2.700	Bricklayers	2.750	2.750	Elevator constructors	2.375	2.725
Caisson and sewer	3.200	3.200	Carpenters	2.250	2.393	Engineers - Power equipment operators:		
Carpenters	2.700	2.825	Millwrights	2.375	2.518	Air compressors	2.000	2.000
Millwrights	2.700	2.825	Parquetry and linoleum tile	2.250	2.393	Bulldozers	2.250	2.250
Pile drivers	2.700	2.825	Wharf and bridge	2.375	2.518	Carry-alls	2.250	2.250
Floor layers and scrapers ..	2.700	2.825	Cement finishers	2.200	2.325	Cranes, derricks, and draglines	2.250	2.250
Cement finishers	2.525	2.650	Electricians (inside wiremen)	2.450	2.613	Hoists:		
Electricians (inside wiremen)	2.700	2.825	Elevator constructors	2.430	2.515	1 drum	2.000	2.000
Elevator constructors	2.700	2.810	Engineers - Power equipment operators:			2 or more drums	2.250	2.250
Engineers - Power equipment operators:			Building construction:			Less than 1/4 cubic feet ..	2.000	2.000
Building construction:			Heavy equipment:			1/4 cubic feet and over ...	2.250	2.250
Heavy equipment:			Cranes (all types), power shovels and derricks	2.450	2.600	Pumps:		
Cranes (all types), power shovels and derricks	2.700	2.825	Medium equipment:			1 pump	1.750	1.750
Medium equipment:			Power graders, rollers, and trench machines	2.200	2.350	2 or more	2.000	2.000
Power graders and trench machines	2.450	2.575	Light equipment:			Rollers	2.000	2.000
Rollers	2.325	2.450	Bulldozers	2.200	2.350	Shovels	2.250	2.250
Light equipment:			Pumps and compressors ..	2.075	2.225	Tractors	2.250	2.250
Bulldozers	2.450	2.575	Heavy construction:			Glaziers	1.875	1.875
Pumps, 4-inch and over	2.325	2.450	Heavy equipment:			Lathers	3.125	3.125
Compressors	2.125	2.250	Cranes (all types), power shovels and derricks	2.450	2.600	Marble setters	2.375	2.500
Heavy construction:			Medium equipment:			Mosaic and terrazzo workers ..	2.375	2.500
Light equipment:			Power graders, rollers, and trench machines	2.200	2.350	Painters	2.125	2.125
Bulldozers	2.450	2.575	Light equipment:			Spray, swinging stage	2.375	2.375
Pumps, 4-inch and over	2.325	2.450	Bulldozers	2.200	2.350	Paperhangers	2.125	2.125
Compressors	2.125	2.250	Pumps and compressors ..	2.075	2.225	Plasterers	3.125	3.125
Glaziers	2.525	2.650	Glaziers	1.850	2.040	Plumbers	2.375	2.613
Granite cutters, and polishers	2.000	2.000	Lathers	2.475	2.625	Plumbers' tenders	1.225	1.350
Inside (surface machine) ...	2.125	2.125	Machinists, construction ..	2.750	2.750	Mortar mixers	1.275	1.400
Outside (surface machine) ...	2.300	2.300	Marble setters	2.375	2.375	Building laborers	1.075	1.200
Lathers	2.700	2.825	Mosaic and terrazzo workers ..	2.375	2.375	Elevator constructors' helpers	1.650	1.900
Machinists	2.500	2.750	Painters	2.075	2.200	Plasterers' laborers	1.275	1.400
Marble setters	2.525	2.525	Structural steel and spray	2.150	2.283	DAYTON, OHIO		
Mosaic and terrazzo workers ..	2.525	2.525	Paperhangers	2.075	2.200	<u>Journeymen</u>		
Painters	2.325	2.450	Plasterers	2.475	2.625	Asbestos workers	2.375	2.500
Fresco	2.375	2.450	Plumbers	2.450	2.613	Boilermakers	2.300	2.500
Structural steel, spray and swing stage	2.450	2.575	Plumbers and reinforcers	2.450	2.600	Bricklayers	2.750	2.890
Paperhangers	2.325	2.450	Roofers, composition	2.000	2.250	Carpenters	2.275	2.500
Pipe fitters and refrigerator installers	2.700	2.825	Roofers, slate and tile	2.000	2.250	Cement finishers	2.105	2.320
Plasterers	2.700	2.825	Spray gun or damp proofing and par lock work	2.175	2.425	Electricians (inside wiremen)	2.625	2.890
Plumbers	2.700	2.825	Sheet-metal workers	2.250	2.450	Elevator constructors	2.505	2.550
Rodmen, reinforcers	2.700	2.825	Sign painters	1.950	1.950	Engineers - Power equipment operators:		
Roofers, composition	2.575	2.700	Steam fitters	2.450	2.613	Building construction:		
Roofers, slate and tile	2.700	2.825	Stonecutters (inside)	2.500	2.875	Heavy equipment:		
Sheet-metal workers	2.525	2.650	Stonecutters (on buildings) ..	2.750	3.125	Cranes (all types), power shovels, and derricks	2.525	2.780
Sign painters	2.500	2.500	Stonemasons, stone setters, cement blockmen	2.750	2.875			
Sprinkler fitters	2.525	2.700	Structural-iron workers	2.450	2.600			
Stonecutters	2.250	2.400	Tile layers	2.375	2.375			
Stonemasons	2.700	2.700	<u>Helpers and laborers</u>					
Structural-iron workers	2.700	2.825	Bricklayers' tenders	1.975	2.100			
Sheeters	2.950	3.075	Building laborers	1.975	2.100			
Sheeters-bucker up	2.825	2.950	Elevator constructors' helpers	1.800	2.000			
Tile layers	2.525	2.650	Marble setters' helpers	2.000	2.125			
<u>Helpers and laborers</u>			Plasterers' laborers	1.975	2.100			
Bricklayers' tenders	1.975	2.100	<u>Helpers and laborers</u>					
Building laborers	1.975	2.100	Bricklayers' tenders	1.700	1.763			
Elevator constructors' helpers	1.800	2.000	Building laborers	1.500	1.563			
Marble setters' helpers	2.000	2.125	Elevator constructors' helpers	1.700	1.760			
Plasterers' laborers	1.975	2.100	Plasterers' laborers	1.700	1.763			

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
DAYTON, OHIO - Continued			DENVER, COLO. - Continued			DES MOINES, IOWA - Continued		
<u>Journeymen - Continued</u>			<u>Journeymen - Continued</u>			<u>Journeymen - Continued</u>		
Engineers - Power equipment operators: - Continued			Engineers - Power equipment operators:			Carpenters	\$2.250	\$2.250
Building construction: - Continued			Building construction:			Millwrights	2.250	2.250
Medium equipment:			Heavy equipment:			Parquetry floor layers	2.250	2.250
Power graders and trench machines	\$2.275	\$2.500	Derricks, guy and stiff leg	\$2.300	\$2.480	Wharf and bridge	2.250	2.250
Rollers	2.150	2.370	Shovel type	2.300	2.480	Cement finishers	2.250	2.335
Light equipment:			Multiple drum hoists	2.300	2.480	Electricians (inside wiremen)	2.450	2.550
Bulldozers	2.275	2.500	Medium equipment:			Elevator constructors	2.440	2.515
Pumps, over 4-inch	2.150	2.370	Tractors	2.150	2.310	Engineers - Power equipment operators:		
Compressors	2.150	2.370	Concrete pavers	2.150	2.480	Building construction:		
Heavy construction:			Light equipment:			Heavy equipment:		
Cranes (all types), power shovels, and derricks ..	2.525	2.780	1 drum hoists	2.150	2.310	Crane and shovel - over 3/4 yd. capacity	2.250	2.420
Medium equipment:			Compressors	2.150	2.310	Paving mixer operators ..	2.250	2.420
Power graders and trench machines	2.275	2.500	Pumps	2.150	2.310	Sideboom tractor operators	2.250	2.420
Rollers	2.150	2.370	Heavy construction:			Medium equipment:		
Light equipment:			Heavy equipment:			Single-drum hoist operators	2.100	2.225
Bulldozers	2.275	2.500	Shovel type - under 3 yards	2.300	2.360	Compressor operators - over 110 cubic feet capacity	2.100	2.225
Pumps, over 4-inch	2.150	2.370	Shovel type - 3 yards and over	2.300	2.480	Scoops and bulldozer operators	2.100	2.225
Compressors	2.150	2.370	Euclid loaders	2.150	2.360	Light equipment:		
Glaziers	2.200	2.280	Pull type	2.150	2.200	Compressor - under 110 cubic feet capacity ..	1.700	1.760
Lathers	2.425	2.670	Medium equipment:			Welding machine operators	1.700	1.760
Machinists	2.250	2.525	Tractors	2.150	2.310	Glaziers	1.900	1.980
Marble setters	2.500	2.620	Light equipment:			Lathers	2.250	2.420
Mosaic and terrazzo workers ..	2.500	2.620	Compressors	2.150	2.200	Machinists	2.500	2.500
Painters	2.150	2.370	Pumps	2.150	2.200	Marble setters	2.120	2.500
Swing and scaffold	2.250	2.480	Core or diamond drills ..	2.150	2.200	Mosaic and terrazzo workers ..	2.120	2.500
Spray	2.525	2.780	Glaziers	2.100	2.200	Painters	1.900	2.035
Structural steel, iron and bridge	2.400	2.640	Inside men	1.820	1.920	Spray	2.150	2.285
Paperhangers	2.400	2.640	Granite cutters	1.825	1.938	Paperhangers	1.900	2.035
Flasterers	2.425	2.670	Machinemen (inside)	1.731	2.125	Plasterers	2.500	2.625
Plumbers	2.450	2.620	Machinemen (outside)	1.763	2.188	Flumbers	2.500	2.613
Rodmen and reinforcers	2.275	2.500	Lathers	3.000	3.000	Refrigeration fitters	2.500	2.613
Roofers, composition	2.075	2.280	Machinists	2.150	2.350	Rodmen	2.250	2.475
Roofers, slate and tile	2.275	2.500	Marble setters	2.600	2.600	Roofers, composition	1.725	1.785
Sheet-metal workers	2.275	2.500	Mosaic and terrazzo workers ..	2.600	2.600	Roofers, slate and tile	1.725	1.785
Sign painters	2.400	2.530	Painters	2.125	2.340	Sheet-metal workers	2.250	2.325
Steam fitters	2.450	2.620	Spray	2.375	2.590	Sign painters	1.900	2.035
Stonemasons	2.750	2.890	Paperhangers	2.125	2.340	Steam fitters	2.500	2.613
Structural-iron workers	2.425	2.670	Plasterers	3.000	3.000	Stonemasons	2.875	3.163
Tile layers	2.500	2.620	Plumbers	2.400	2.650	Structural-iron workers	2.250	2.475
<u>Helpers and laborers</u>			Plumbers	2.200	2.300	Tile layers	2.120	2.500
Bricklayers' tenders and hod carriers	1.775	1.950	Roofers:			<u>Helpers and laborers</u>		
Building laborers	1.525	1.680	Composition	2.250	2.350	Bricklayers' tenders	1.600	1.650
Elevator constructors' helpers ..	1.750	1.785	Slate and tile	2.250	2.350	Mortar mixers	1.700	1.750
Marble setters' helpers	1.700	1.740	Sheet-metal workers	2.250	2.325	Building laborers	1.600	1.650
Painters' helpers, sign and pictorial	(1/)	2.080	Sign painters	2.400	2.530	Elevator constructors' helpers ..	1.710	1.760
Plasterers' laborers	1.775	1.950	Steam fitters	2.400	2.650	Marble setters' helpers	1.600	1.650
Plumbers' laborers	1.525	1.680	Stonemasons	2.000	2.500	Plasterers' laborers	1.725	1.775
Terrazzo workers' helpers	1.700	1.740	Stonemasons	3.000	3.000	Terrazzo workers' helpers	1.600	1.650
Base grinders	2.200	2.230	Structural-iron workers:			Tile layers' helpers	1.600	1.650
Tile layers' helpers	1.700	1.740	Erectors	2.200	2.300	<u>Helpers and laborers</u>		
DENVER, COLO.			Tile layers	2.600	2.600	Bricklayers' tenders	1.600	1.650
<u>Journeymen</u>			<u>Helpers and laborers</u>			Mortar mixers	1.700	1.750
Asbestos workers	2.375	2.475	Bricklayers' tenders	1.800	5/1.925	Building laborers	1.600	1.650
Boilermakers	2.350	2.500	Building laborers	1.450	5/1.575	Elevator constructors' helpers ..	1.710	1.760
Bricklayers	3.000	3.000	Elevator constructors' helpers ..	1.740	1.860	Marble setters' helpers	1.600	1.650
Sewer work	3.250	3.250	Marble setters' helpers	1.665	1.735	Plasterers' laborers	1.725	1.775
Carpenters	2.350	2.350	Plasterers' laborers	1.800	1.925	Terrazzo workers' helpers	1.600	1.650
Cement finishers	2.320	2.475	Plumbers' laborers:			Tile layers' helpers	1.600	1.650
Composition floor layers	2.570	2.600	Drain layers	1.700	1.850	DETROIT, MICH.		
Electricians (inside wiremen) ..	2.900	2.650	Pipe layers, over 6 inches ..	1.950	2.100	<u>Journeymen</u>		
Elevator constructors	2.490	2.650	Terrazzo workers' helpers	1.665	1.735	Asbestos workers	2.625	2.700
DENVER, COLO.			Tile layers' helpers	1.665	1.735	Home insulators	2.150	2.250
<u>Journeymen</u>			DES MOINES, IOWA			Boilermakers	2.575	2.675
Asbestos workers	2.375	2.475	<u>Journeymen</u>			Bricklayers	2.750	2.850
Boilermakers	2.350	2.500	Asbestos workers	2.250	2.350	Carpenters	2.500	2.600
Bricklayers	3.000	3.000	Bricklayers	2.875	3.163	Cement finishers	2.300	2.400
Sewer work	3.250	3.250	DETROIT, MICH.			Electricians (inside wiremen) ..	2.750	2.850
Carpenters	2.350	2.350	<u>Journeymen</u>			Elevator constructors	2.715	2.810
Cement finishers	2.320	2.475	Asbestos workers	2.250	2.350	DENVER, COLO.		
Composition floor layers	2.570	2.600	Bricklayers	2.875	3.163	<u>Journeymen</u>		
Electricians (inside wiremen) ..	2.900	2.650	DETROIT, MICH.			<u>Journeymen</u>		
Elevator constructors	2.490	2.650	<u>Journeymen</u>			Asbestos workers	2.625	2.700
DENVER, COLO.			<u>Journeymen</u>			Home insulators	2.150	2.250
<u>Journeymen</u>			<u>Journeymen</u>			Boilermakers	2.575	2.675
Asbestos workers	2.375	2.475	Asbestos workers	2.250	2.350	Bricklayers	2.750	2.850
Boilermakers	2.350	2.500	Bricklayers	2.875	3.163	Carpenters	2.500	2.600
Bricklayers	3.000	3.000	DETROIT, MICH.			Cement finishers	2.300	2.400
Sewer work	3.250	3.250	<u>Journeymen</u>			Electricians (inside wiremen) ..	2.750	2.850
Carpenters	2.350	2.350	Asbestos workers	2.250	2.350	Elevator constructors	2.715	2.810
Cement finishers	2.320	2.475	Bricklayers	2.875	3.163	DENVER, COLO.		
Composition floor layers	2.570	2.600	<u>Journeymen</u>			<u>Journeymen</u>		
Electricians (inside wiremen) ..	2.900	2.650	Asbestos workers	2.250	2.350	DENVER, COLO.		
Elevator constructors	2.490	2.650	Bricklayers	2.875	3.163	<u>Journeymen</u>		

1/ Information not available for rate and hours on July 1, 1950.

5/ 37 1/2-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
DETROIT, MICH. - Continued			DETROIT, MICH. - Continued			DULUTH, MINN. - Continued		
<u>Journeyman - Continued</u>			<u>Helpers and laborers - Continued</u>			<u>Helpers and laborers - Continued</u>		
Engineers - Power equipment operators:			Terrazzo workers' helpers	\$2.050	\$2.150	Composition roofers' helpers ..	\$1.650	\$1.800
Building construction:			Base-machine operators and dry grinders	2.400	2.500	Elevator constructors' helpers ..	1.560	1.710
Heavy equipment:			Tile layers' helpers	2.000	2.100	Plasterers' laborers	1.950	2.100
Cranes on steel	\$2.700	\$2.800				Plumbers' laborers	1.500	1.625
Pile driver (not on steel)	2.500	2.600	<u>DULUTH, MINN.</u>			<u>EL PASO, TEX.</u>		
Shovel combinations	2.500	2.600	<u>Journeyman</u>			<u>Journeyman</u>		
Medium equipment:			Asbestos workers	2.100	2.250	Asbestos workers	2.250	2.500
Bulldozer	2.500	2.600	Boilermakers	2.350	2.500	Bricklayers	2.500	2.750
Derricks (on steel)	2.700	2.800	Bricklayers	2.400	2.600	Carpenters	2.000	2.250
Derricks (not on steel) ..	2.500	2.600	Carpenters	1.925	2.125	Millwrights	(1/)	2.500
Light equipment:			Millwrights	1.925	2.125	Cement finishers	2.000	2.250
Compressors (on steel) ..	2.700	2.800	Pile drivers	1.925	2.125	Electricians (inside wiremen) ..	2.250	2.500
Compressors (not on steel)	2.250	2.350	Floor Sanders (machine)	1.925	2.125	Elevator constructors	2.250	2.470
Hoist (on steel)	2.700	2.800	Cement masons	1.850	2.000	Engineers - Power equipment operators:		
Hoist (not on steel)	2.500	2.600	Electricians (inside wiremen) ..	2.250	2.300	Air compressors	2.000	2.200
Heavy construction:			Elevator constructors	2.235	2.440	Bulldozers	2.000	2.200
Heavy equipment:			Engineers - Power equipment operators:			Cranes and draglines:		
Cranes (on steel)	2.700	2.800	Building construction:			Under 3 yards	2.150	2.350
Pile drivers (not on steel)	2.500	2.600	Heavy equipment:			3 yards and over	2.350	2.550
Shovel combinations	2.500	2.600	Derricks	2.270	2.500	Derricks	2.150	2.350
Medium equipment:			Cranes, shovels	2.270	2.500	Graders, elevating	2.000	2.200
Bulldozers	2.500	2.600	Pumpcretes	2.170	2.390	Hoists:		
Trenchers	2.500	2.600	Medium equipment:			1 drum	2.000	2.200
Light equipment:			Hoists	2.070	2.280	2 drums	2.100	2.350
Hoists (on steel)	2.700	2.800	Concrete mixers	2.070	2.280	Locomotive	2.000	2.200
Hoists (not on steel)	2.500	2.600	Mechanics, welders	2.070	2.280	Mixers:		
Compressors (on steel) ..	2.700	2.800	Light equipment:			Under 1 yard	2.000	2.200
Compressors (not on steel)	2.250	2.350	Compressors	1.770	1.950	1 yard and over	2.100	2.350
Pumps	2.500	2.600	Firemen	1.620	1.780	File drivers	(1/)	2.350
Glaziers	2.150	2.200	Oilers	1.520	1.670	Pumps	2.000	2.200
Lathers	2.750	2.890	Heavy construction:			Rollers	2.000	2.200
Marble setters	2.650	2.750	Heavy equipment:			Scrapers	2.000	2.200
Mosaic and terrazzo workers ..	2.525	2.625	Shovels, cranes	2.270	2.450	Shovels:		
Painters	2.250	2.350	Dredges	2.270	2.450	Under 3 yards	2.150	2.350
Spray and swing stage	2.500	2.600	Derricks	2.270	2.450	3 yards and over	2.350	2.550
Paperhangers	2.250	2.350	Medium equipment:			Tractors:		
Plasterers:			Mechanics, welders	2.070	2.220	35 horsepower and under and without power attachments	1.500	1.650
Commercial	2.750	2.890	Bulldozers, scrapers	2.070	2.220	Over 35 horsepower and with power attachments ..	2.000	2.200
Residential	2.750	3.000	Graders, motor patrols ..	2.070	2.220	Trenching machines	2.000	2.200
Plumbers	2.625	2.700	Light equipment:			Glaziers	1.750	1.750
Rodmen, reinforced steel workers	2.375	2.475	Pumps, compressors	1.770	1.900	Lathers	2.500	2.750
Roofers, composition and pre-cast tile	2.525	2.640	Loaders, Barber Green operators	1.870	2.000	Marble setters	2.500	2.750
Roofers, slate and tile	2.875	2.990	Finishing machines	1.770	1.900	Mosaic and terrazzo workers ..	2.500	2.750
Sheet-metal workers:			Glaziers	1.800	1.900	Painters	1.750	1.925
Agreement A	2.525	2.625	Lathers	2.250	2.400	Spray	2.500	2.750
Agreement B	2.400	2.500	Machinists	(1/)	2.250	Structural steel after erection	2.125	2.340
Sign painters	2.375	2.475	Marble setters	2.000	2.200	Swing stage	2.125	2.340
Steam fitters	2.625	2.700	Painters	1.800	1.900	Paperhangers	1.750	1.925
Sprinkler fitters	2.500	2.700	Structural steel, swing stage, spray	2.000	2.100	Plasterers	2.250	2.750
Stonemasons	2.750	2.850	Paperhangers	1.800	1.900	Plumbers	2.250	2.500
Structural-iron workers	2.700	2.900	Plasterers	2.350	2.575	Rodmen	2.000	2.200
Riggers	2.250	2.500	Plumbers	2.125	2.250	Sheet-metal workers	2.500	2.625
Tile layers	2.525	2.625	Rodmen	2.000	2.225	Sign painters	2.000	2.000
			Roofers, composition:			Steam fitters	2.250	2.500
<u>Helpers and laborers</u>			Second roofer	1.800	1.950	Stonemasons	2.400	2.600
Bricklayers' tenders	1.800	1.900	Head roofer	2.000	2.150	Structural-iron workers	2.250	2.475
Mortar mixers:			Sheet-metal workers	2.100	2.250	Finishers	2.250	2.475
Agreement A	1.880	1.950	Sign painters	2.025	2.100	Tile layers	2.000	2.200
Agreement B	1.880	1.980	Steam fitters	2.125	2.250			
Building laborers:			Stonemasons	2.400	2.600	<u>Helpers and laborers</u>		
Agreement A	1.800	1.870	Structural-iron workers	2.250	2.475	Bricklayers' tenders	1.350	1.600
Agreement B	1.800	1.900	Finishers	2.250	2.475	Building laborers .....	.950	1.150
Elevator constructors' helpers ..	1.900	1.970	Tile layers	2.000	2.200	Elevator constructors' helpers ..	1.575	1.730
Marble setters' helpers	2.025	2.125				Plasterers' laborers	1.350	1.600
Marble polishers and rubbers ..	2.125	2.225				Plumbers' laborers .....	.950	1.200
Plasterers' laborers	2.225	2.325						
			<u>Helpers and laborers</u>					
			Bricklayers' tenders	1.500	1.625			
			Building laborers	1.400	1.525			
			Semi-skilled helpers	1.500	1.625			

1/ Information not available for rate and hours on July 1, 1950.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
ERIE, PA.			GRAND RAPIDS, MICH. - Continued			HOUSTON, TEX. - Continued		
<u>Journeyman</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Bricklayers	\$2.500	\$2.750	Engineers - Power equipment operators:			Electricians (inside wiremen)	\$2.500	\$2.750
Carpenters	2.125	2.340	Building construction:			Elevator constructors	2.500	2.650
Cement finishers	2.075	2.280	Heavy equipment:			Engineers - Power equipment operators:		
Electricians (inside wiremen) ..	2.250	2.475	Cranes on steel	\$2.600	\$2.700	Air compressors	1.875	2.150
Elevator constructors	2.325	2.400	Shovel combinations	2.500	2.500	Bulldozers	2.250	2.525
Engineers - Power equipment operators:			File drivers	2.450	2.500	Cranes, derricks, and draglines	2.250	2.525
Building construction:			Medium equipment:			Graders, blade and elevating:		
Heavy equipment:			Bulldozers	2.350	2.400	Towed	1.875	2.150
Cranes and shovels	2.600	2.700	Derricks (on steel)	2.600	2.700	Self-propelled	2.250	2.525
Carry-all scoops	2.600	2.500	Derricks (not on steel) .	2.450	2.500	Hoists:		
Medium equipment:			Light equipment:			1 drum	1.875	2.150
Bulldozers	2.500	2.400	Compressors (on steel) .	2.600	2.700	2 drums or more	2.250	2.525
Compressors and hoists ..	2.350	2.250	Compressors (not on steel)	2.100	2.150	Locomotives	2.250	2.525
Light equipment:			Hoists (on steel)	2.600	2.700	Mixers:		
Rollers	2.350	2.250	Hoists (not on steel) ..	2.350	2.400	Less than 14 cubic feet ..	1.875	2.150
Pumps and welders	2.350	2.250	Heavy construction:			14 cubic feet or over	2.250	2.525
Heavy construction:			Heavy equipment:			Pumps, larger than 2 inches	1.875	2.150
Shovels, cranes, and ditchers	2.550	2.650	Cranes (on steel)	2.600	2.700	Scrapers:		
Medium equipment:			Shovel combinations	2.450	2.500	3 cubic yards or less	1.875	2.150
Graders, bulldozers, and scoops (carry-all)	2.370	2.470	File drivers	2.450	2.500	Over 3 cubic yards	2.250	2.525
Light equipment:			Medium equipment:			Tractors	2.250	2.525
Compressors, pumps, and rollers	2.120	2.220	Bulldozers and trenchers	2.350	2.400	Trenching machines, all sizes	2.250	2.525
Glaziers	1.750	1.750	Hoists	2.350	2.400	Glaziers	2.000	2.275
Lathers	2.625	2.750	Compressors (on steel) .	2.600	2.700	Lathers	2.750	3.000
Marble setters	2.350	2.500	Compressors (not on steel)	2.100	2.150	Machinists	2.375	2.500
Mosaic and terrazzo workers ..	2.350	2.500	Pumps	2.350	2.400	Marble setters	2.375	2.500
Painters	1.900	2.035	Glaziers	1.875	2.000	Mosaic and terrazzo workers	2.375	2.500
Swing	2.000	2.145	Lathers	2.250	2.475	Painters	2.000	2.275
Spray	2.250	2.420	Machinists	2.500	2.750	Steel spray on stage	2.500	2.650
Structural iron	2.100	2.255	Marble setters	2.000	2.000	Steel brush swing stage ..	2.250	2.400
Paperhangers	1.900	2.035	Mosaic and terrazzo workers	2.000	2.000	Steel spray	2.375	2.650
Plasterers	2.250	2.475	Painters	1.800	1.870	Paperhangers	2.000	2.275
Plumbers	2.250	2.475	Spray and swing stage ..	2.050	2.120	Plasterers	2.750	3.000
Rodmen	2.500	2.610	Paperhangers	2.050	2.120	Plumbers	2.375	2.613
Roofers, composition	1.850	1.950	Plasterers	2.250	2.650	Rodmen	2.125	2.400
Roofers, slate and tile	1.850	1.950	Plumbers	2.300	2.530	Roofers, composition	2.000	2.125
Sheet-metal workers	2.125	2.200	Rodmen	2.325	2.420	Roofers, slate and tile	2.500	2.625
Steam fitters	2.250	2.475	Roofers, composition	1.700	1.950	Sheet-metal workers	2.500	2.500
Stonemasons	2.500	2.750	Roofers, slate and tile ..	1.950	2.200	Sign painters	2.375	2.500
Structural-iron workers	2.500	2.610	Sheet-metal workers	2.000	2.250	Steam fitters	2.375	2.613
Tile layers	2.350	2.500	Sign painters	2.000	2.000	Sprinkler fitters	(1/)	2.300
<u>Helpers and laborers</u>			Steam fitters	2.300	2.530	Stonemasons	2.750	2.875
Bricklayers' tenders	1.700	1.825	Stone masons	2.000	2.000	Structural-iron workers ..	2.250	2.525
Using hod	1.700	1.825	Structural-iron workers ..	2.600	2.720	Tile layers	2.375	2.500
Using wheelbarrow	1.600	1.725	Machine removers and riggers	2.375	2.475	<u>Helpers and laborers</u>		
Building laborers	1.500	1.625	Tile layers	2.000	2.000	Bricklayers' tenders	1.400	1.525
Elevator constructors' helpers	1.630	1.680	<u>Helpers and laborers</u>			Building laborers	1.200	1.325
Marble setters' helpers	1.650	1.775	Bricklayers' tenders	1.475	1.600	Elevator constructors' helpers	1.750	1.855
Plasterers laborers	1.750	1.825	Mortar mixer	1.525	1.675	Marble setters' helpers	1.375	1.650
Plumbers' laborers	1.600	1.725	Building laborers	1.475	1.600	Plasterers' laborers	1.500	1.625
Terrazzo workers' helpers	1.650	1.775	Elevator constructors' helpers	1.700	1.770	Tile layers' helpers	1.375	1.650
Grinders and polishers	1.800	1.925	Marble setters' helpers	1.725	1.825	INDIANAPOLIS, IND.		
Tile layers' helpers	1.650	1.775	Plasterers' helpers	1.600	1.725	<u>Journeyman</u>		
GRAND RAPIDS, MICH.			Terrazzo workers' helpers ..	1.725	1.825	Asbestos workers	2.500	2.640
<u>Journeyman</u>			Base-machine operators	1.925	2.025	Boilermakers	2.500	2.585
Asbestos workers	2.250	2.500	Tile layers' helpers	1.725	1.825	Bricklayers	2.750	2.750
Bricklayers	2.625	2.750	HOUSTON, TEX.			Carpenters	2.300	2.530
Carpenters	2.125	2.250	<u>Journeyman</u>			Cement finishers	2.075	2.275
Floor layers	2.125	2.250	Asbestos workers	2.375	2.613	Electricians (inside wiremen)	2.450	2.625
Millwrights	2.125	2.250	Boilermakers	2.250	2.375	Elevator constructors	2.465	2.700
Cement finishers	2.125	2.250	Bricklayers	2.750	2.875	Engineers - Power equipment operators:		
Electricians (inside wiremen) .	2.400	2.550	Carpenters, wharf and bridge, and pile drivers	2.125	2.400	Building construction:		
Elevator constructors	2.430	2.530	Floor layers, parquetry ..	2.125	2.400	Heavy equipment:		
			Millwrights	2.250	2.525	Cranes	2.400	2.630
			Cement finishers	2.125	2.250	Derricks - bull wheels .	2.650	2.880
						Hoists	2.300	2.530

1/ Information not available for rate and hours on July 1, 1950.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
INDIANAPOLIS, IND. - Continued			JACKSON, MISS. - Continued			JACKSONVILLE, FLA. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Engineers - Power equipment operators: - Continued			Engineers - Power equipment operators:			Engineers - Power equipment operators: - Continued		
Building construction: - Continued			Air compressors	\$1.650	\$1.650	Shovels	\$1.800	\$2.000
Medium equipment:			Bulldozers	1.900	2.000	Tractors	1.475	1.625
Concrete mixers (21 cubic feet)	\$2.250	\$2.480	Cranes, derricks, draglines, pile drivers	2.025	2.250	Trenching machines	1.625	1.800
Concrete pumps	2.300	2.530	Graders, motor	1.900	2.000	Glaziers	1.750	1.950
Tractor shovels	2.300	2.530	Graders, form	1.650	1.650	Lathers	2.250	2.375
Light equipment:			Hoists	1.900	2.000	Machinists	2.000	2.250
Air compressors	1.650	1.880	Locomotive	1.900	2.250	Marble setters	2.300	2.650
Pumps - water	1.650	1.880	Mixers	1.900	2.000	Mosaic and terrazzo workers ..	2.000	2.250
Welding machines	1.650	1.880	Pumps	1.650	1.650	Painters	1.625	1.890
Heavy construction:			Rollers, scrapers	1.900	2.000	Structural steel erected ...	(1/)	1.925
Heavy equipment:			Shovels	2.025	2.250	Spray	2.000	2.295
Auto patrols	2.300	2.530	Tournapulls, carryalls	2.025	2.250	Swinging stage	(1/)	2.050
Cranes	2.400	2.630	Tractors:			Paperhangers	1.875	2.000
Scoops	2.300	2.530	Without power take-off	1.650	1.650	Plasterers	2.250	2.375
Medium equipment:			With power take-off	1.900	2.000	Plumbers	2.500	2.500
Bulldozers, rollers and trenching machines	2.300	2.530	Trenching machines, large	2.025	2.250	Rodmen	1.750	1.890
Light equipment:			Other trenching machines	1.900	2.250	Roofers, composition	1.650	1.890
Compressors and pumps ..	1.650	1.880	Glaziers	1.375	1.375	Roofers, slate and tile	1.650	1.890
Tractors	2.300	2.530	Lathers	2.000	2.125	Sheet-metal workers	1.800	2.100
Glaziers	2.250	2.250	Marble setters	2.500	2.750	Sign painters	2.000	2.000
Lathers (wood, wire and metal)	2.375	2.610	Mosaic and terrazzo workers ..	2.500	2.750	Steam fitters	2.500	2.500
Machine movers and riggers ..	2.450	2.695	Painters	1.750	2.000	Stonemasons	2.300	2.650
Machinists	2.000	2.000	Spray	2.000	2.375	Structural- and ornamental-iron workers	2.000	2.260
Marble setters	2.500	2.500	Structural steel	1.875	2.125	Tile layers	2.000	2.250
Mosaic and terrazzo workers ..	2.500	2.500	Swing stage	2.000	2.250			
Painters	2.125	2.325	Paperhangers	1.750	2.000	<u>Helpers and laborers</u>		
Spray	2.375	2.575	Plasterers	2.150	2.400	Bricklayers' tenders .....	.850	1.000
Paperhangers	2.125	2.325	Plumbers	2.250	2.250	Building laborers .....	.800	.900
Plasterers	2.500	2.750	Rodmen	1.900	2.150	Composition roofers' helpers ..	.800	.900
Plumbers	2.500	2.665	Roofers, composition	1.500	1.750	Elevator constructors' helpers ..	1.600	1.715
Rodmen	2.450	2.695	Roofers, slate and tile	1.500	2.000	Plasterers' laborers .....	.850	1.000
Roofers, composition	1.900	2.000	Sheet-metal workers	1.800	2.000	Mortar mixers .....	.900	1.100
Roofers, slate and tile	2.150	2.250	Sign painters	1.750	2.000	Plumbers' laborers .....	.850	1.000
Sheet-metal workers	2.350	2.500	Steam fitters	2.250	2.250	Tile layers' helpers .....	.850	1.000
Sign painters	2.030	2.030	Stonemasons	2.500	2.750			
Steam fitters	2.500	2.665	Structural- and ornamental-iron workers	2.150	2.400	KANSAS CITY, MO.		
Stonecutters	1.935	1.935	Tile layers	2.500	2.750	<u>Journeyman</u>		
Carvers	2.105	2.105				Asbestos workers	2.475	2.610
Planermen	1.685	1.685	<u>Helpers and laborers</u>			Boilermakers	2.350	2.500
Stonemasons	2.750	2.750	Bricklayers' tenders	1.000	1.100	Bricklayers	2.650	2.675
Structural-iron workers	2.450	2.695	Hod carriers	1.000	1.100	Carpenters, millwrights, wharf and bridge, pile drivers	2.200	2.365
Tile layers	2.500	2.500	Mortar mixers	(1/)	1.100	Cement finishers	2.200	2.365
			Building laborers .....	.900	.900	Composition	2.325	2.490
						Electricians (inside wiremen) ..	2.425	2.550
			JACKSONVILLE, FLA.			Engineers - Power equipment operators:		
			<u>Journeyman</u>			Building construction:		
			Asbestos workers	2.250	2.500	Heavy equipment:		
			Boilermakers	2.350	2.475	Cranes	2.425	2.610
			Bricklayers	2.300	2.650	Hoists (2 drums or more)	2.425	2.610
			Carpenters, pile drivers, and wharf and bridge	1.750	2.100	Shovels, power	2.425	2.610
			Millwrights, pile drivers working on creosote piling ..	2.000	2.360	Medium equipment:		
			Cement finishers	1.600	1.840	Concrete mixers	2.200	2.365
			Electricians (inside wiremen) ..	2.375	2.500	Hoists (single drum)	2.200	2.365
			Elevator constructors	2.285	2.455	Shovels, tractors, hi-lift front end	2.200	2.365
			Engineers - Power equipment operators:			Light equipment:		
			Air compressors	1.475	1.475	Firemen	1.825	1.925
			Bulldozers	1.475	1.625	Oilers and greasers	1.700	1.815
			Cranes, derricks, draglines, and pile drivers	1.800	2.000	Tractors, less than 50 horsepower	1.700	1.815
			Graders, scrapers, and finishing machines	1.475	1.625	Heavy construction:		
			Hoists, 1 and 2 drums	1.800	2.000	Draglines and shovels ..	2.450	2.610
			Mixers	1.475	1.625	Dredges, steam, gas, electric,	2.450	2.610
			Pumps	1.375	1.400	Diesel	2.450	2.610
			Rollers	1.475	1.625	Pile drivers, land and float	2.450	2.610
JACKSON, MISS.			JACKSONVILLE, FLA.			JACKSONVILLE, FLA.		
<u>Journeyman</u>			<u>Journeyman</u>			<u>Journeyman</u>		
Bricklayers	2.500	2.750	Asbestos workers	2.250	2.500	Asbestos workers	2.475	2.610
Carpenters	1.900	2.050	Boilermakers	2.350	2.475	Boilermakers	2.350	2.500
Millwrights	2.025	2.175	Bricklayers	2.300	2.650	Bricklayers	2.650	2.675
Pile drivers, wharf and bridge	(1/)	2.300	Carpenters, pile drivers, and wharf and bridge	1.750	2.100	Carpenters, millwrights, wharf and bridge, pile drivers	2.200	2.365
Cement finishers	2.150	2.400	Millwrights, pile drivers working on creosote piling ..	2.000	2.360	Cement finishers	2.200	2.365
Electricians (inside wiremen) ..	2.250	2.250	Cement finishers	1.600	1.840	Composition	2.325	2.490
			Electricians (inside wiremen) ..	2.375	2.500	Electricians (inside wiremen) ..	2.425	2.550
			Elevator constructors	2.285	2.455	Engineers - Power equipment operators:		
			Engineers - Power equipment operators:			Building construction:		
			Air compressors	1.475	1.475	Heavy equipment:		
			Bulldozers	1.475	1.625	Cranes	2.425	2.610
			Cranes, derricks, draglines, and pile drivers	1.800	2.000	Hoists (2 drums or more)	2.425	2.610
			Graders, scrapers, and finishing machines	1.475	1.625	Shovels, power	2.425	2.610
			Hoists, 1 and 2 drums	1.800	2.000	Medium equipment:		
			Mixers	1.475	1.625	Concrete mixers	2.200	2.365
			Pumps	1.375	1.400	Hoists (single drum)	2.200	2.365
			Rollers	1.475	1.625	Shovels, tractors, hi-lift front end	2.200	2.365

1/ Information not available for rate and hours on July 1, 1950.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
KANSAS CITY, MO. - Continued			KNOXVILLE, TENN. - Continued			LITTLE ROCK, ARK. - Continued		
Journeyman - Continued			Journeyman - Continued			Journeyman - Continued		
Engineers - Power equipment operators: - Continued			Engineers - Power equipment operators: - Continued			Plasterers	\$2.500	\$2.750
Heavy construction: - Continued			Pumps:			Plumbers	2.310	2.310
Medium equipment:			1 pump	\$1.250	\$1.500	Redmen	1.875	2.060
Ditching machines	\$2.225	\$2.365	2 not more than 3	1.550	1.800	Sheet-metal workers	1.750	2.000
Patrol blades	2.225	2.365	Rollers	1.550	1.800	Sign painters	1.750	2.000
Tractors, over 50 horsepower	2.225	2.365	Scrapers, pans, scoops, or carryalls (all types)	1.750	2.000	Steam fitters	2.310	2.310
Light equipment:			Shovels	1.950	2.200	Stonemasons	3.000	3.250
Firemen	1.850	1.925	Tournapulls (machines over 20 yards)	1.950	2.200	Structural and ornamental-iron workers	2.125	2.340
Oilers and greasers	1.725	1.815	Tractors	1.550	1.800	Tile layers	2.500	2.500
Tractors, less than 50 horsepower	1.725	1.815	Trenching machines	1.750	2.000			
Glaziers	2.320	2.475	Glaziers	1.750	1.950	Helpers and laborers		
Lathers	2.500	2.695	Marble setters	2.500	2.750	Bricklayers' tenders	1.250	1.250
Machinists, construction	2.250	2.400	Fainters	1.750	1.950	Hod carriers	(1/)	1.350
Marble setters	2.500	2.585	Spray (on wood) structural steel, swing stage	2.000	2.200	Mortar mixers	(1/)	1.250
Mosaic and terrazzo workers	2.500	2.585	Spray on steel	2.250	2.450	Building laborers .....	.875	.875
Painters	2.100	2.255	Paperhangers	1.750	1.950	Elevator constructors' helpers	1.645	1.710
Paperhangers	2.100	2.255	Plasterers	2.250	2.500	Marble setters' helpers	(1/)	1.250
Plasterers	2.800	3.025	Plumbers	2.250	2.500	Plumbers' laborers .....	.875	.875
Plumbers	2.500	2.625	Roofers, composition	1.600	1.700	Terrazzo workers' helpers	(1/)	1.250
Rodmen, reinforcers	2.225	2.390	Roofers, slate and tile	1.600	1.700	Tile layers' helpers	(1/)	1.000
Roofers, composition	2.050	2.200	Sheet-metal workers	2.000	2.250			
Roofers, slate and tile	2.050	2.200	Sign painters	2.000	2.200	LOS ANGELES, CALIF.		
Sheet-metal workers (commercial and residential)	2.500	2.665	Steam fitters	2.250	2.500	Journeyman		
Sign painters	2.500	2.750	Tile layers	2.500	2.750	Asbestos workers	2.500	2.750
Steam fitters	2.500	2.625				Home insulators	2.000	2.350
Sprinkler fitters	2.500	2.625	Helpers and laborers			Boilermakers	2.430	2.530
Stonemasons	2.400	2.585	Building laborers .....	.950	1.150	Bricklayers	2.750	2.750
Structural-iron workers	2.350	2.530	Elevator constructors' helpers	1.550	1.630	Carpenters	2.120	2.350
Finishers and ornamental	2.350	2.530	Plasterers' laborers	1.000	1.630	Millwrights	2.320	2.550
Tile layers	2.500	2.585	Mortar mixers	(1/)	1.200	Parquetry floor layers	2.320	2.550
						Wharf and bridge	2.250	2.480
Helpers and laborers			LITTLE ROCK, ARK.			Shinglers	2.250	2.480
Bricklayers' tenders	1.800	1.925	Journeyman			Cement finishers	2.200	2.380
Building laborers	1.625	1.730	Asbestos workers	2.375	2.500	Composition and mastic	2.325	2.505
Marble setters' helpers	1.675	1.785	Bricklayers	3.000	3.250	Electricians (inside wiremen) and fixtures hangers	2.500	2.750
Plasterers' laborers	1.800	1.925	Carpenters, floor layers	1.750	2.000	Elevator constructors	2.500	2.725
Plumbers' laborers	1.625	1.785	Millwrights, wharf and bridge, and pile drivers ..	2.000	2.250	Engineers - Power equipment operators:		
Terrazzo workers' helpers	1.700	1.815	Cement finishers	2.000	2.500	Building construction:		
Tile layers' helpers	1.675	1.785	Electricians (inside wiremen). Elevator constructors	2.125	2.250	Heavy equipment:		
			Engineers - Power equipment operators:	2.350	2.440	Universal equipment (shovels, draglines, derricks, derrick-barges, clamshells, or cranes ..	2.400	2.500
KNOXVILLE, TENN.			Air compressors	1.750	1.875	Pile drivers	2.400	2.500
Journeyman			Bulldozers	2.000	2.125	Tractors (bulldozers, tampers, scrapers or drag type shovels or boom attachments)	2.200	2.300
Boilermakers	2.350	2.475	Cranes, derricks, and draglines	2.250	2.375	Medium equipment:		
Bricklayers	2.500	2.750	Graders, elevating	2.000	2.125	A-Frame-Boom trucks	2.400	2.500
Carpenters	1.900	2.150	Graders, blade	1.750	1.875	Elevator-hoists	1.988	2.098
Millwrights	2.000	2.250	Hoists:			Motor patrols, including any type of power blade	2.330	2.430
Pile drivers	(1/)	2.150	1 drum	1.750	1.875	Light equipment:		
Cement finishers	1.850	2.100	2 or more drums	2.000	2.125	Air compressors	1.960	2.060
Electricians (inside wiremen). Elevator constructors	2.400	2.475	Locomotives	2.000	2.125	Concrete mixers (skip type)	2.080	2.180
Engineers - Power equipment operators:			Mixers:			Heavy construction:		
Air compressors:			Less than 10S	1.750	1.875	Universal equipment (shovels, draglines, derrick-barges, clamshells, or cranes)	2.400	2.500
1 portable	1.250	1.500	10S or larger	2.000	2.125	Tractors (bulldozers, tampers, scrapers, or drag type shovels, or boom attachments)	2.200	2.300
2 not more than 3 portable	1.550	1.800	Pumps	1.750	1.875			
Bulldozers	1.750	2.000	Rollers	2.000	2.125			
Cranes, derricks, and draglines	1.950	2.200	Shovels	2.250	2.375			
Graders	1.750	2.000	Trenching machines	2.000	2.125			
Hoists:			Glaziers	1.750	1.750			
1 drum	1.550	1.800	Marble setters	2.500	2.500			
2 drums	1.750	2.000	Mosaic and terrazzo workers	2.500	2.500			
Locomotives:			Painters	1.750	2.000			
Under 20 tons	1.550	1.800	Spray	2.500	2.500			
20 tons and over	1.750	2.000	Structural steel and swing stage	2.000	2.000			
Mixers (over 2 bags - not to include central plants)	1.550	1.800	Paperhangers	1.875	1.875			

1/ Information not available for rate and hours on July 1, 1950.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
LOS ANGELES, CALIF. - Continued			LOUISVILLE, KY - Continued			MANCHESTER, N. H. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Engineers - Power equipment operators: - Continued			Engineers - Power equipment operators: - Continued			Engineers - Power equipment operators: - Continued		
Heavy construction: - Continued			Building construction: - Continued			Building construction: - Continued		
Medium equipment:			Light equipment:			Medium equipment:		
Motor patrols, including any type of power blade	\$2.330	\$2.430	Firemen	\$2.000	\$2.100	Scrapers, tournapulls ..	\$1.875	\$2.050
Concrete mixers (paving type and mobile mixers)	2.280	2.400	Oilers	1.750	1.850	Bulldozers	1.825	2.000
Light equipment:			Pumps	1.750	1.850	Light equipment:		
Air compressors	1.960	2.060	Heavy construction:			One- and two-drum hoists, pumps, boilers or compressors	1.825	2.000
Skip loaders (wheel type)	2.080	2.180	Bulldozers, cranes, and scoops	2.200	2.300	Heavy construction:		
Glaziers	2.160	2.160	Medium equipment:			Heavy equipment:		
Granite cutters	1.875	2.000	Compressors	2.000	2.100	Cranes, 3-drum hoists and over, power shovels, trenching machines, pile drivers ..	2.275	2.500
Lathers	3.125	3.125	Derricks and tractors ..	2.200	2.300	Medium equipment:		
Machinists	2.450	2.500	Light equipment:			Scrapers and tournapulls	1.875	2.050
Marble setters	2.500	2.500	Firemen	2.000	2.100	Bulldozers	1.825	2.000
Mosaic and terrazzo workers	2.400	2.600	Oilers	1.750	1.850	Light equipment:		
Painters	2.220	3/2.380	Pumps	1.750	1.850	1- and 2-drum hoists, pumps, boilers or compressors	1.825	2.000
Spray	2.470	3/2.630	Glaziers	2.000	2.150	Painters	1.600	1.600
Swing stage, brush	2.350	3/2.500	Lathers	2.350	2.475	Paperhangers	1.600	1.600
Swing stage, spray	2.590	3/2.750	Machinists	2.350	2.500	Plasterers	2.500	2.775
Paperhangers	2.350	3/2.500	Marble setters	2.250	2.500	Plumbers	2.125	2.300
Plasterers	3.125	3.125	Mosaic and terrazzo workers	2.250	2.500	Rodmen	2.500	2.700
Plumbers	2.500	2.750	Painters	2.010	2.050	Steam fitters	2.125	2.300
Rodmen	2.280	2.380	Structural steel	2.510	2.550	Structural-iron workers	2.500	2.700
Roofers, composition	2.250	2.500	Spray	3.015	3.075	Helpers and laborers		
Roofers, slate and tile	2.250	2.500	Stage	2.135	2.175	Bricklayers' tenders	1.550	1.600
Sheet-metal workers	2.250	2.400	Paperhangers	1.750	1.750	Building laborers	1.350	1.400
Sign painters:			Plasterers	2.500	2.750	Plasterers' laborers	1.550	1.600
Advertising	3/2.310	3/2.480	Plumbers	2.375	2.500			
Commercial	3/2.400	3/2.640	Rodmen	2.150	2.250			
Steamfitters	2.500	2.750	Roofers, composition	1.800	1.900			
Refrigeration fitters	2.100	2.500	Roofers, slate and tile	2.150	2.350			
Sprinkler fitters	2.500	2.750	Sheet-metal workers	2.150	2.350			
Stonemasons	2.750	3.000	Sign painters	2.050	2.200			
Structural-iron workers	2.380	2.500	Steam fitters	2.500	2.500			
Finishers	2.255	2.400	Stonecutters	1.935	1.935			
Tile layers	2.500	2.700	Planermen	1.685	1.685			
			Stonemasons	2.055	2.055			
			Stonemasons	2.650	2.915			
<u>Helpers and laborers</u>			Structural-iron workers and ornamental finishers	2.350	2.450			
Bricklayers' tenders	1.830	2.020	Tile layers	2.250	2.500			
Building laborers	1.570	1.750						
Elevator constructors' helpers	1.750	1.910	<u>Helpers and laborers</u>					
Marble setters' helpers	1.875	1.875	Bricklayers' tenders	1.700	1.780			
Plasterers' laborers	2.150	2.875	Building laborers	1.450	1.520			
Terrazzo workers' helpers	1.875	2.075	Elevator constructors' helpers	1.715	1.805			
Base-machine operators	2.125	2.325	Marble setters' helpers	1.450	1.450			
Tile layers' helpers	1.875	2.025	Plasterers' laborers	1.700	1.780			
			Plumbers' laborers	1.450	1.520			
			Terrazzo workers' helpers	1.450	1.450			
			Base grinders	1.700	1.700			
			Flat grinders	1.550	1.550			
			Tile layers' helpers	1.450	1.450			
			MANCHESTER, N. H.					
			<u>Journeyman</u>					
			Boilermakers	2.450	2.600	Asbestos workers	2.375	2.550
			Bricklayers	2.500	2.775	Boilermakers	2.350	2.475
			Carpenters	2.000	2.000	Bricklayers	2.500	3.000
			Cement finishers	2.500	2.775	Carpenters	1.900	2.125
			Electricians (inside wiremen)	1.900	2.000	Cement finishers	1.900	2.125
			Engineers - Power equipment operators:			Machine operators	2.025	2.250
			Building construction:			Electricians (inside wiremen)	2.400	2.600
			Heavy equipment:			Elevator constructors	2.450	2.600
			Cranes, hoists, and shovels	2.200	2.300	Engineers - Power equipment operators:		
			Medium equipment:			Air compressors:		
			Bulldozers	2.200	2.300	Portable	1.375	1.500
			Compressors	2.000	2.100	Stationary	1.625	1.750
			Mixers	2.000	2.100	Bulldozers	1.750	2.000
						Cranes, derricks, draglines, pile drivers	2.000	2.250
						Derricks (no boom)	1.750	1.875
						Graders	1.750	2.000
						Hoists:		
						1 drum	1.625	1.750
						2 or more drums	1.875	2.000
						Locomotives	1.750	2.000
						Mixers:		
						11S or smaller	1.375	1.500
						Mobilizers	1.625	2.125
						Larger than 11S	1.750	2.000
						Pumps:		
						Under 4-inch discharge ...	1.125	1.250
						on excavation	1.250	1.500
						4-inch and larger	1.375	1.500
						Rollers	1.750	1.875
						Scrapers	1.750	2.000
						Shovels	2.000	2.250
						Tournapulls	1.750	2.000

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
MEMPHIS, TENN. - Continued			MIAMI, FLA. - Continued			MILWAUKEE, WIS. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Engineers - Power equipment operators: - Continued			Machinists	\$2.250	\$2.620	Engineers - Power equipment operators: - Continued		
Tractors:			Marble setters	2.500	2.750	Heavy construction: - Continued		
40 horsepower or less	\$1.375	\$1.625	Mosaic and terrazzo workers ..	2.500	2.750	Medium equipment:		
Over 40 horsepower	1.625	1.750	Painters	2.063	2.270	Tractors or bulldozers		
Trenching machines:			Spray and structural steel ..	2.200	2.450	under 40 horsepower ...	\$2.250	\$2.530
Under 18 inches	(1/)	2.000	Paperhangers	2.200	2.450	Tractors or bulldozers		
Over 18 inches	1.750	2.250	Plasterers	2.500	2.750	over 40 horsepower ...	2.400	2.690
Glaziers	1.700	1.750	Plumbers	2.500	2.750	Mixers	2.200	2.470
Lathers	2.250	2.250	Rodmen	2.350	2.600	Mixers when pavers are		
Marble setters	2.250	2.500	Roofers, composition	1.925	2.120	used	2.400	2.690
Mosaic and terrazzo workers ..	2.250	2.500	Roofers, slate and tile	1.925	2.120	Scrapers	2.400	2.690
Painters:			Sheet-metal workers	2.200	2.420	Light equipment:		
Residential	1.875	2.063	Sign painters	2.500	2.750	Air compressors	2.000	2.240
Commercial, spray, structural steel	2.000	2.188	Stonemasons	2.500	2.750	Pumps	1.950	2.190
Painters, swing stage	2.125	2.188	Structural- and ornamental-iron workers	2.500	2.750	Helpers and oilers	1.950	2.190
Paperhangers	1.875	2.063	Tile layers	2.500	2.750	Glaziers	2.200	2.470
Plasterers	2.813	2.813				Lathers	2.500	2.500
Plumbers	2.400	2.640	<u>Helpers and laborers</u>			Machinists	2.200	2.400
Rodmen	1.875	2.030	Bricklayers' tenders	1.250	1.380	Marble setters	2.350	2.350
Roofers, composition	1.650	1.800	Building laborers:			Mosaic and terrazzo workers ..	2.400	2.600
Roofers, slate and tile	1.900	2.050	Agreement A	1.000	1.100	Painters	2.100	2.200
Sheet-metal workers	2.125	2.340	Agreement B	1.000	1.000	Swing stage	2.250	2.350
Sign painters	2.125	2.338	Elevator constructors' helpers	1.750	1.925	Spray-nozzle men	2.225	2.325
Steam fitters	2.400	2.650	Plasterers' laborers	1.250	1.380	Structural iron	2.350	2.450
Sprinkler fitters	(1/)	2.600	Rod carriers	1.250	1.380	Plasterers	2.500	2.500
Stonemasons	2.500	3.000	Mortar mixers	1.000	1.100	Plumbers	2.450	2.585
Structural- and ornamental-iron workers	2.025	2.180				Rodmen	2.250	2.530
Tile layers	2.250	2.500				Roofers, composition	2.100	2.350
						Roofers, slate and tile	2.250	2.500
<u>Helpers and laborers</u>			MILWAUKEE, WIS.			Sheet-metal workers	2.250	2.530
Bricklayers' tenders	1.250	1.350	<u>Journeyman</u>			Sign painters	2.300	2.338
Building laborers .....	.900	1.000	Asbestos workers	2.400	2.475	Steam fitters	2.450	2.585
Concrete laborers .....	.900	1.000	Boilermakers	2.300	2.530	Sprinkler fitters	2.400	2.600
Elevator constructors' helpers	1.710	1.820	Bricklayers	2.650	2.650	Stonemasons	2.000	2.100
Plasterers' laborers	1.250	1.350	Sewer-tunnel and caissons ..	2.650	2.650	Stonemasons	2.650	2.650
Plumbers' laborers .....	.900	1.000	Carpenters	2.400	2.690	Structural-iron workers	2.350	2.640
			Wharf and bridge	2.425	2.425	Machine movers and riggers ..	2.350	2.640
			Millwrights	2.400	2.400	Tile layers	2.400	2.475
MIAMI, FLA.			Cement finishers	2.150	2.410			
<u>Journeyman</u>			Machine work	2.250	2.530	<u>Helpers and laborers</u>		
Bricklayers	2.500	2.750	Mastic, marbelette and composition floors and roofs ..	2.250	2.530	Bricklayers' tenders	1.850	2.080
Carpenters:			Electricians (inside wiremen)	2.300	2.450	Building laborers	1.750	1.960
Agreement A	2.063	2.270	Elevator constructors	2.330	2.470	Composition roofers' helpers..	1.400	1.550
Agreement F	2.063	2.500	Engineers - Power equipment operators:			Elevator constructors' helpers	1.630	1.730
Parquetry floor layers	2.100	2.500	Building construction:			Marble setters' helpers	1.700	1.700
Cement finishers	2.500	2.750	Heavy equipment:			Mosaic and terrazzo workers' helpers	1.900	1.980
Electricians (inside wiremen) ..	2.500	2.750	Cranes, shovels, draglines	2.550	2.860	Base-machine operators	2.050	2.145
Elevator constructors	2.500	2.750	Trench machines	2.550	2.860	Plasterers' tenders	1.975	2.000
Engineers - Power equipment operators:			Derricks	2.550	2.860	Plumbers' helpers:		
Air compressors	1.750	1.930	Medium equipment:			First man	2.100	2.200
Steel erection	2.250	2.480	Tractors or bulldozers under 40 horsepower ...	2.200	2.470	Second man	2.000	2.090
Bulldozers	1.500	1.650	Tractors or bulldozers over 40 horsepower ...	2.400	2.690	Sprinkler fitters' helpers ..	1.625	1.750
Cranes, derricks, draglines, and pile drivers	2.000	2.200	Mixers	2.200	2.470	Tile layers' helpers	1.800	1.800
Cranes (steel erection)	2.500	2.750	Mixers when pavers are used	2.400	2.690			
Graders	1.500	1.650	Highlifts	2.400	2.690	MINNEAPOLIS, MINN.		
Hoists:			Light equipment:			<u>Journeyman</u>		
1 drum	2.000	2.200	Firemen	1.900	2.130	Asbestos workers	2.320	2.550
2 or more drums	2.250	2.480	Pumps	1.950	2.190	Boilermakers	2.350	2.500
Steel erection	2.500	2.750	Air compressors	2.000	2.240	Bricklayers	2.400	2.650
Mixers	1.750	1.930	Heavy construction:			Carpenters, millwrights, pile drivers	2.120	2.330
Pumps	1.750	1.930	Heavy equipment:			Cement finishers	2.450	2.450
Rollers	1.500	1.650	Shovels, cranes, draglines	2.550	2.860	Composition floor	2.700	2.700
Scrapers	1.500	1.650	Trench machines	2.550	2.860	Electricians (inside wiremen)	2.350	2.585
Shovels	2.000	2.200	Hoes	2.550	2.860	Elevator constructors	2.340	2.420
Tractors	1.500	1.650						
Trenching machines	1.500	1.650						
Glaziers	2.200	2.500						
Lathers	2.500	2.750						

1/ Information not available for rate and hours on July 1, 1950.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
MINNEAPOLIS, MINN. - Continued			MOBILE, ALA. - Continued			NEWARK, N.J.		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman</u>		
Engineers - Power equipment operators:			Bricklayers	\$2.550	\$2.800	Asbestos workers	\$2.875	\$2.875
Building construction:			Carpenters	1.960	2.160	Home insulators	2.650	2.875
Heavy equipment:			Millwrights	2.210	2.430	Boilermakers	3.000	3.250
Cranes, shovels	\$2.270	\$2.500	File drivers:			Bricklayers	3/3.250	3/3.400
Derricks	2.270	2.500	Untreated materials	2.085	2.225	Carpenters	3/3.000	3/3.250
Pumpcretes	2.170	2.390	Treated materials	2.210	2.350	Wharf and bridge	3.000	3.000
Medium equipment:			Cement finishers	1.960	2.160	Millwrights	3/3.000	3/3.250
Hoists	2.070	2.280	Electricians (inside wiremen)	2.300	2.500	Cement finishers	3/3.250	3/3.400
Mixers, concrete	2.070	2.280	Elevator constructors	2.265	2.450	Electricians (inside wiremen)	3.000	3.250
Welders, mechanics	2.070	2.280	Engineers - Power equipment operators:			Elevator constructors	3.000	3.000
Light equipment:			Air compressors	1.840	2.020	Engineers - Power equipment operators:		
Compressors	1.770	1.950	Bulldozers	2.090	2.300	Building construction:		
Firemen	1.620	1.780	Cranes, derricks, and drag-lines	2.215	2.440	Heavy equipment:		
Oilers	1.520	1.670	Hoists:			Power shovels, cranes.	3.000	3.250
Heavy construction:			1 drum	2.090	2.300	Power cranes (steel erection)	3.250	3.500
Heavy equipment:			2 or more drums	2.215	2.440	Trench machines, paving mixers	3.000	3.250
Derricks	2.270	2.450	Locomotives	2.090	2.300	Medium equipment:		
Dredges, engineers	2.270	2.450	Mixers:			Hoists (single or double drum)	3.000	3.250
Shovels, cranes	2.270	2.450	Under 10S	1.840	2.020	Central power plants	3.000	3.250
Medium equipment:			10S or larger	2.090	2.300	Concrete tower hoists	3.175	3.250
Bulldozers, scrapers	2.070	2.220	Pumps	1.840	2.020	Light equipment:		
Graders, motor patrols	2.070	2.220	Rollers	2.090	2.300	Air compressors (single)	2.750	3.000
Welders, mechanics	2.070	2.220	Scrapers	2.090	2.300	Pumps and small mixers	2.750	3.000
Light equipment:			Shovels	2.215	2.440	Concrete pumps	2.750	3.000
Finishing machines	1.770	1.900	Tournapulls	2.090	2.300	Heavy construction:		
Loaders, Barber Green operators	1.870	2.000	Tractors:			Heavy equipment:		
Pumps, compressors	1.770	1.900	Without power control attachments	1.840	2.020	Power shovels, cranes, drag lines	3.000	3.250
Glaziers	1.920	2.110	With power control attachments	2.090	2.300	Pile driving machines	3.125	3.375
Lathers	2.420	2.750	Glaziers	1.750	2.000	Back hoes, concrete pavers	3.000	3.250
Machinists	2.250	2.400	Lathers	2.040	2.250	Medium equipment:		
Marble setters	2.350	2.500	Marble setters	2.550	2.800	Cassion hoists	3.000	3.250
Mosaic and terrazzo workers	2.375	2.540	Mosaic and terrazzo workers	2.550	2.800	Shaft hoists	3.000	3.250
Painters	2.050	2.255	Painters	1.800	1.980	Excavating carry-all	2.750	3.000
Structural steel and swing stage	2.200	2.405	Spray	2.300	2.480	Light equipment:		
Paperhangers	2.050	2.255	Structural steel	2.050	2.230	Small mixers, pumps	2.750	3.000
Plasterers	2.500	2.750	Swing stage	2.050	2.230	Front end loaders and conveyers	2.750	3.000
Plumbers	2.320	2.550	Sign painters	2.020	2.200	Concrete pumps	2.750	3.000
Rodmen	2.150	2.370	Floor finishers	1.800	1.980	Glaziers	2.600	2.850
Roofers, composition	2.000	2.200	Paperhangers:			Lathers	3/3.250	3/3.250
Roofers, slate and tile	2.000	2.200	Provided tools are furnished	1.800	1.980	Machinists	2.500	3.000
Sheet-metal workers	2.250	2.475	Provided tools are not furnished	1.925	2.120	Mosaic and terrazzo workers	3.000	3.000
Sign painters	2.175	2.300	Plasterers	2.040	2.350	Painters	3/2.500	3/2.650
Steam fitters	2.320	2.550	Plumbers	2.250	2.400	Hardwood finishers	2.325	2.325
Sprinkler fitters	2.400	2.600	Rodmen	1.990	2.190	Structural steel	3/2.750	3/3.150
Stonemasons	2.400	2.650	Roofers, composition	1.840	2.030	Plasterers	3/3.250	3/3.400
Structural-iron workers and finishers	2.275	2.500	Roofers, slate and tile	1.840	2.030	Plumbers	2.875	3.100
Tile layers	2.375	2.550	Sheet-metal workers	1.840	2.030	Rodmen	3.100	3.350
<u>Helpers and laborers</u>			Steam fitters	2.250	2.400	Roofers, composition	3/2.850	3/3.140
Bricklayers' tenders	1.520	1.570	Stonemasons	2.550	2.800	Roofers, slate and tile	3.000	3.250
Building laborers	1.520	1.570	Structural- and ornamental-iron workers	2.240	2.460	Sheet-metal workers	3/2.750	3/2.750
Composition roofers' helpers	1.570	1.735	Sheeters and finishers	2.490	2.710	Sign painters	2.500	2.500
Elevator constructors' helpers	1.650	1.690	Tile layers	2.550	2.800	Inside	2.250	2.250
Marble setters' helpers	1.520	1.750	<u>Helpers and laborers</u>			Steam fitters	2.875	3.000
Plasterers' tenders	2.020	2.270	Bricklayers' tenders	1.050	1.270	Sprinkler fitters	2.500	2.750
Plumbers' laborers (first 3 years)	1.620	1.800	Hod carriers	1.050	1.270	Stonemasons	3/3.250	3/3.400
After 3 years	1.820	2.000	Mortar mixers	1.150	1.270	Structural-iron workers	3.100	3.350
Sprinkler fitters' helpers	1.625	1.750	Building laborers	1.050	1.160	Tile layers	2.750	2.950
Terrazzo workers' helpers	1.700	1.840	Concrete workers	(1)	1.270	<u>Helpers and laborers</u>		
Base-machine operators	1.950	2.090	Composition roofers' helpers	1.000	1.100	Bricklayers' tenders	3/2.190	3/2.335
Tile layers' helpers	1.620	1.750	Elevator constructors' helpers	1.585	1.715	Building laborers	3/2.190	3/2.335
MOBILE, ALA.			Marble setters' helpers	1.050	1.160	Composition roofers' helpers	3/1.500	3/1.650
<u>Journeyman</u>			Plasterers' laborers	1.050	1.270	Elevator constructors' helpers	2.200	2.200
Asbestos workers	2.300	2.500	Hod carriers	1.050	1.270	Plasterers' laborers	3/2.190	3/2.335
Boilermakers	2.350	2.475	Mortar mixers	1.150	1.270	Steam fitters' helpers	1.875	2.000
			Tile layers' helpers	1.050	1.160	Sprinkler fitters' helpers	1.625	1.750
						Terrazzo workers' helpers	2.400	2.400
						Tile layers' helpers	2.200	2.400

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
NEW HAVEN, CONN.			NEW ORLEANS, LA. - Continued			NEW YORK, N. Y. - Continued		
<u>Journeyman</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Asbestos workers	\$ 2.325	\$ 2.560	Carpenters, parquetry floor layers, and pile drivers	\$ 1.975	\$ 2.060	Bricklayers	3/3.250	3/3.250
Bricklayers	2.500	2.690	Millwrights	2.100	2.200	Carpenters	3/3.000	3/3.000
Carpenters	2.250	2.310	Cement finishers	1.975	2.060	Wharf and bridge	3.000	3.000
Cement finishers	2.500	2.690	Electricians (inside wiremen)	2.400	2.500	Cement finishers	3/3.000	3/3.000
Electricians (inside wiremen)	2.400	2.400	Elevator constructors	2.395	2.395	Electricians (inside wiremen)	3/3.000	3/3.200
Elevator constructors	2.410	2.675	Engineers - Power equipment operators:			Elevator constructors	3.000	3.000
Engineers - Power equipment operators:			Air compressors	1.825	1.900	Engineers - Power equipment operators:		
Building construction:			Bulldozers	1.975	2.060	Building construction:		
Heavy equipment:			Cranes, derricks, draglines, and pile drivers	2.225	2.325	Heavy equipment:		
Cranes, steel	2.470	2.470	Graders	1.825	2.060	Steel erection (cranes and derricks)	3.500	3.500
Shovels	2.300	2.300	Hoists:			Hoists and concrete buckets (stone derricks)	3/3.250	3/3.250
Derricks	2.470	2.470	1 drum, under 4 stories ..	1.825	1.900	Scrapers and tournapulls ..	2.750	2.750
Medium equipment:			1 drum, 4 stories and over ..	2.225	2.325	Medium equipment:		
Compressors	2.250	2.250	2 drums	2.225	2.325	Welding machines and compressors	3.000	3.000
Bulldozers	2.000	2.000	Mixers:			Plaster (platform machines)	3/3.250	3/3.250
Light equipment:			16S and smaller	1.825	1.900	Bulldozers, tractors, locomotives (10 tons and under), motor patrols, road finishing machines, mixers under 21E	2.625	2.625
Well-points system	2.250	2.250	Pumps:			Heavy construction:		
Welding machines - steel ..	2.250	2.250	3 inches and under	1.300	1.375	Heavy equipment:		
Small concrete mixers, under 5 bags	1.900	1.900	Over 3 inches	1.825	1.900	Shovels	3.500	3.500
5 bags and over	2.050	2.050	Rollers	1.825	1.900	Pfle drivers	3.375	3.375
Heavy construction:			Scrapers	1.975	2.060	Cranes (digging bucket) ..	3.250	3.250
Heavy equipment:			Shovels	2.225	2.325	Scrapers and tournapulls ..	2.750	2.750
Shovels, pile drivers, draglines	2.300	2.300	Trenching machines	2.225	2.325	Medium equipment:		
Medium equipment:			Glaziers	1.875	2.060	Cranes (structural steel) ..	3.500	3.500
Pavers	2.300	2.300	Lathers	2.275	2.375	Mixers (concrete) and power houses	3.125	3.125
Pumps	1.900	1.900	Machinists	2.250	2.400	Bulldozers, tractors, locomotives (10 tons and under), motor patrols, road finishing machines, mixers under 21E	2.625	2.625
Bulldozers	1.900	1.900	Marble setters	2.600	2.700	Light equipment:		
Light equipment:			Mosaic and terrazzo workers ..	2.250	2.500	Compressors (portable, 3 or more in battery), double-drum hoists and pumps (concrete)	3.000	3.000
Compressors	1.900	1.900	Painters	1.800	1.800	Glaziers	3/3.000	3/3.000
Welding machines	2.250	2.250	Spray, structural steel and swing stage	2.050	2.050	Granite cutters	3/2.714	3/3.000
Small concrete mixers, under 5 bags	1.900	1.900	Paperhangers	1.800	1.800	Outside	3/2.571	3/2.600
5 bags and over	2.050	2.050	Plasterers	2.275	2.375	Inside	3/2.286	3/2.514
Marble setters	2.500	2.690	Plumbers	2.350	2.450	Lathers	2/3.000	2/3.300
Mosaic and terrazzo workers ..	2.500	2.690	Rodmen	2.050	2.145	Brooklyn	3/2.750	3/3.000
Painters	2.000	2.200	Roofers, composition	1.825	1.825	Queens and Long Island ..	3/2.857	3/3.000
Paperhangers	2.000	2.200	Roofers, slate and tile	1.825	1.825	Machinists	2.750	3.000
Plasterers	2.500	2.690	Sheet-metal workers	2.025	2.120	Marble setters	2.750	2.750
Plumbers	2.375	2.475	Sign painters	2.150	2.300	Mosaic and terrazzo workers ..	3.000	3.000
Rodmen	2.750	2.750	Steam and sprinkler fitters ..	2.350	2.450	Painters	3/2.450	3/2.600
Roofers, composition	2.350	2.500	Stonemasons	2.600	2.700	Brooklyn and Long Island ..		
Roofers, slate and tile	2.600	2.750	Structural- and ornamental-iron workers	2.350	2.450	City	3/2.500	3/2.750
Pre-cast slabbers	2.850	3.000	Tile layers	2.250	2.500	Jamaica and Flushing	3/2.550	3/2.750
Sheet-metal workers	2.250	2.475	<u>Helpers and laborers</u>			Swing stage	3/2.914	3/3.170
Sign painters	2.000	2.200	Bricklayers' tenders	1.200	1.200	Decorators and grainers ..	3/3.000	3/3.250
Steam and sprinkler fitters ..	2.375	2.475	Hod carriers	1.200	1.300	Structural steel	3/2.800	3/3.000
Stonemasons	2.500	2.690	When mortar is mixed by machine	1.300	1.350	Plasterers	2/3.200	2/3.300
Structural-iron workers	2.750	2.750	Mortar mixers, hand	1.200	1.400	Long Island City and Flushing	2/3.300	2/3.300
Tile layers	2.500	2.690	Building laborers	1.100	1.100	Plumbers	3/3.000	3/3.000
<u>Helpers and laborers</u>			Composition roofers' helpers ..	1.100	1.100	Richmond	3/3.000	3/3.000
Bricklayers' tenders	1.650	1.700	Elevator constructors' helpers ..	1.680	1.680	Queens	3/3.100	3/3.100
Building laborers	1.650	1.700	Marble setters' helpers	1.225	1.350	Rodmen	3/3.000	3/3.000
Elevator constructors' helpers ..	1.690	1.870	Plasterers' laborers	1.300	1.300	Roofers, composition	3/3.000	3/3.000
Marble setters' helpers	1.650	1.815	When mortar is mixed by machine	1.400	1.400			
Plasterers' laborers	1.650	1.700	Plumbers' laborers	1.250	1.300			
Terrazzo workers' helpers	1.650	1.815	Steam and sprinkler fitters' helpers	1.250	1.300			
Tile layers' helpers	1.650	1.815	Terrazzo workers' helpers	1.225	1.350			
			Tile layers' helpers	1.225	1.350			
NEW ORLEANS, LA.			NEW YORK, N. Y.					
<u>Journeyman</u>			<u>Journeyman</u>					
Asbestos workers	2.425	2.525	Asbestos workers	3/3.000	3/3.000			
Home insulators	1.825	2.060	Boilermakers	3.000	3.000			
Boilermakers	2.250	2.375						
Bricklayers	2.600	2.700						

2/ 30-hour workweek.
3/ 35-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
NEW YORK, N. Y. - Continued			NORFOLK, VA. - Continued			OAKLAND, CALIF. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Roofers, slate and tile	\$3.000	\$3.250	Lathers	\$2.500	\$2.750	Engineers - Power equipment operators: - Continued		
Brooklyn, Queens, and Long Island	3.250	3.250	Mosaic and terrazzo workers ..	2.250	2.750	Heavy construction: - Continued		
Sheet-metal workers	3/3.100	3/3.100	Spray	1.875	2.050	Medium equipment:		
Sign painters	3/2.527	3/2.527	Structural steel	2.125	2.300	Mucking machines	\$2.410	\$2.650
Outdoor advertising	3/3.221	3/3.221	Paperhangers	1.875	2.050	Dual-drum mixers	2.340	2.570
Silk screen process	3/2.300	3/2.527	Plasterers	2.500	2.750	Tractors	2.290	2.520
Steam and sprinkler fitters ..	3/3.100	3/3.100	Plumbers	2.250	2.475	Light equipment:		
Stonemasons	3/3.000	3/3.100	Rodmen	1.960	2.110	Locomotives	2.040	2.240
Long Island	3/3.250	3/3.250	Sheet-metal workers	1.900	2.250	Locomotives (steam or over 30 tons)	2.290	2.520
Structural-iron workers	3.250	3.250	Sign painters	1.875	2.050	Truck cranes	2.440	2.680
Finishers	3/3.000	3/3.000	Steam fitters	2.250	2.475	Glaziers	2.080	2.300
Tile layers	2.750	2.950	Stonemasons	2.500	3.000	Lathers	2/3.000	2/3.500
<u>Helpers and laborers</u>			Structural- and ornamental-iron workers			Machinists	(1/)	2.500
Bricklayers' tenders	3/2.150	3/2.195	Riggers	(1/)	2.360	Mosaic and terrazzo workers ..	2.250	2.750
Building laborers	3/2.150	3/2.150	Tile layers	2.250	2.750	Dry-base machine operators ..	3/2.275	3/2.450
Excavating	1.900	1.900	<u>Helpers and laborers</u>			Painters	2/3.000	2/3.250
Composition roofers' helpers ..	2.000	2.000	Bricklayers' tenders	1.000	1.000	Plasterers	2/3.000	2/3.250
Elevator constructors' helpers ..	2.200	2.200	Mortar mixers	1.000	1.150	Plumbers	2.500	2.625
Plasterers' laborers	2/2.300	2/2.600	Building laborers .....	.900	.900	Rodmen	2.250	2.450
Brooklyn	2/2.400	2/2.750	Elevator constructors' helpers ..	1.620	1.620	Roofers	3.250	2.500
Plumbers' laborers	1.900	2.000	Plasterers' laborers	1.150	1.250	Sheet-metal workers	2.313	2.475
Brooklyn	1.900	1.900	Mortar mixers	1.150	1.250	Sign painters	3/2.400	3/2.600
Steam and sprinkler fitters helpers ..	(1/)	3/2.150	OAKLAND, CALIF.			Outdoor advertising	3/2.310	3/2.500
Terrazzo workers' helpers	2.400	2.400	<u>Journeyman</u>			Soft tile layers, carpet and linoleum	2.500	2.625
Tile layers' helpers	2.200	2.360	Asbestos workers	2.350	2.585	Steam fitters	2.625	2.750
NORFOLK, VA.			Boilermakers			Stone masons	3.000	3.150
<u>Journeyman</u>			Bricklayers			Structural-iron workers	2.500	2.700
Asbestos workers	2.250	2.375	Carpenters	2.225	2.450	Ornamental	2.350	2.550
Bricklayers	2.500	3.000	Wharf and bridge	2.325	2.558	<u>Helpers and laborers</u>		
Carpenters, parquetry floor layers	1.750	1.950	Floor layers	2.285	2.580	Bricklayers' tenders	2.450	2.450
Millwrights	2.100	2.300	Millwrights	2.285	2.580	Building laborers	1.550	1.700
Cement finishers	1.750	1.875	Shinglers	2.285	2.580	Elevator constructors' helpers ..	1.890	1.990
Composition floor finishers ..	(1/)	2.000	Cement finishers	2.200	2.420	Plasterers' laborers	2/2.650	2/2.800
Electricians (inside wiremen) ..	2.250	2.310	Composition	2.325	2.560	Terrazzo workers' helpers	1.785	2.050
Elevator constructors	2.310	2.310	Machinemen	2.325	2.560	Wet-machinemen	1.785	2.200
Engineers - Power equipment operators:			Electricians (inside wiremen) ..	2.550	2.650	Terrazzo polishers	1.785	2.200
Air compressors	1.750	1.875	Elevator constructors	2.700	2.840	OKLAHOMA CITY, OKLA.		
Bulldozers	1.875	2.000	Engineers - Power equipment operators:			<u>Journeyman</u>		
Cranes, derricks, draglines, and pile drivers	2.000	2.150	Building construction:			Asbestos workers	2.250	2.500
Graders, motor	1.875	2.000	Heavy equipment:			Bricklayers	3.000	3.500
Hoists:			Derricks	2.440	2.680	Carpenters, parquetry floor layers, wharf and bridge	2.200	2.200
1 drum	1.750	1.875	Tractor-type shovel loaders	2.440	2.680	Millwrights and pile drivers ..	2.375	2.375
2 or more drums	2.000	2.150	Medium equipment:			Cement finishers	2.250	2.375
Locomotives:			Material hoists	2.190	2.410	Electricians (inside wiremen) ..	2.350	2.585
Open	1.750	1.875	Mixermobiles	2.340	2.570	Elevator constructors	2.595	2.750
Tunnel	2.000	2.150	Scoombobiles (when used as a hoist)	2.190	2.410	Glaziers	1.750	1.900
Mixers:			Scoombobiles (when used as a loader)	2.340	2.570	Lathers	3.000	3.000
10S or smaller	1.625	1.750	Light equipment:			Marble setters	2.500	2.500
Larger than 10S	1.750	2.000	Compressors	1.940	2.130	Mosaic and terrazzo workers ..	2.500	2.500
Pumps:			Compressors (more than one)	2.240	2.460	Painters	1.875	2.000
2 inch discharge	1.525	1.750	Towermobiles	2.190	2.410	Spray and structural steel ..	2.125	2.250
Over 2 inch discharge	1.750	1.875	Concrete mixers (up to 1 yard)	1.940	2.130	Swing stage and scaffold over 30 feet	2.125	2.250
Rollers:			Heavy construction:			Paperhangers	1.875	2.000
Asphalt	1.750	1.875	Heavy equipment:			Plasterers	3.000	3.000
Earth	1.525	1.750	Power shovels (up to and including 1 yard)	2.590	2.850	Plumbers	2.375	2.600
Scrapers	2.000	2.150	Power shovels (over 1 yard)	2.690	2.960	Rodmen	2.125	2.250
Shovels	2.000	2.150	LeTourneau pulls	2.440	2.680	Roofers, composition	1.900	2.025
Tournapulls	2.000	2.150	Highline cableways	2.590	2.850	Roofers, slate and tile	1.900	2.025
Tractors:			NEW YORK, N. Y. - Continued			Sheet-metal workers	2.250	2.250
Without attachments	1.750	1.875	<u>Journeyman - Continued</u>			Sign painters	2.000	2.200
With attachments	2.000	2.150	Roofers, slate and tile			Steam fitters	2.375	2.600
Trenching machines	2.000	2.000	Roofers, composition			Refrigeration fitters	(1/)	2.600
Glaziers	1.875	2.050	Sheet-metal workers			Stonemasons	3.000	3.500

1/ Information not available for rate and hours on July 1, 1950.
 2/ 30-hour workweek.
 3/ 35-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
OKLAHOMA CITY, OKLA. - Continued			OMAHA, NEBR. - Continued			PEORIA, ILL. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Structural- and ornamental-iron workers	\$2.125	\$2.250	Structural-iron workers	\$2.175	\$2.375	Structural-iron workers	\$2.450	\$2.600
Erectors	2.125	2.250	Tile layers	2.250	2.475	Tile layers	2.575	2.850
Tile layers	2.500	2.500	<u>Helpers and laborers</u>			<u>Helpers and laborers</u>		
<u>Helpers and laborers</u>			<u>Helpers and laborers</u>			<u>Helpers and laborers</u>		
Bricklayers' tenders	1.450	1.450	Bricklayers' tenders and mortar mixers	1.300	1.475	Bricklayers' tenders	1.700	1.850
Building laborers	1.300	1.300	Rod carriers	1.425	1.600	Building laborers	1.700	1.850
Elevator constructors' helpers	1.810	1.920	Building laborers	1.300	1.475	Elevator constructors' helpers	1.770	1.860
Plasterers' laborers	1.450	1.450	Elevator constructors' helpers	1.630	1.770	Marble setters' helpers	1.750	2.000
Plumbers' laborers	1.450	1.450	Marble setters' helpers	1.550	1.700	Plasterers' helpers	1.825	1.975
OMAHA, NEBR.			Plasterers' laborers			Mortar mixers		
<u>Journeyman</u>			Terrazzo workers' helpers			Terrazzo workers' helpers		
Asbestos workers	2.350	2.530	Base-machine operators			Base-machine operators		
Bricklayers	2.400	2.750	Tile layers' helpers			Tile layers' helpers		
Carpenters	2.075	2.275	Tile layers' helpers			Tile layers' helpers		
Millwrights	2.200	2.400	PHILADELPHIA, PA.			PHILADELPHIA, PA.		
Floor layers	2.075	2.275	<u>Journeyman</u>			<u>Journeyman</u>		
Cement finishers	2.075	2.275	Asbestos workers			Asbestos workers		
Electricians (inside wiremen)	2.400	2.580	Boilermakers			Home insulators		
Elevator constructors	2.335	2.555	Bricklayers			Boilermakers		
Engineers - Power equipment operators:			Carpenters			Bricklayers		
Building construction:			Floor layers			Speculative		
Heavy equipment:			Bridge and wharf			Operative		
Cranes	2.275	2.475	Millwrights			Carpenters		
Derricks	2.275	2.475	Cement finishers			Cement finishers		
Shovels	2.275	2.475	Electricians (inside wiremen)			Residential or speculative		
Two-drum hoists	2.275	2.475	Elevator constructors			Electricians (inside wiremen)		
Medium equipment:			Engineers - Power equipment operators:			Residential		
Air compressors	1.825	2.000	Building construction:			Elevator constructors		
Hoists	2.000	2.200	Heavy equipment:			Engineers - Power equipment operators:		
Pumps, concrete	2.000	2.200	Cranes			Building construction:		
Light equipment:			Derricks			Heavy equipment:		
Air tuggers	2.000	2.200	Bulldozers			Cranes (all types), derricks, power shovels ..		
Boom trucks	2.000	2.200	Medium equipment:			Medium equipment:		
Hyster (lumber carrier) ..	2.000	2.200	Hoists, 2 drum			Tournapulls and		
Trax-dozers - scoops	2.000	2.200	Mixers, 2 1/2E and larger ..			Carry-alls		
Heavy construction:			Air compressors			Bulldozers and tractors ..		
Heavy equipment:			Light equipment:			Light equipment:		
Draglines	2.125	2.300	Pumps			Welding machines		
Scoops	1.850	2.000	Mixers 3 bag			Compressors and pumps ..		
Shovels	2.125	2.300	Hoists, 1 drum			Heavy construction:		
Medium equipment:			Heavy construction:			Heavy equipment:		
Bulldozers	1.850	2.000	Cranes			Cranes (all types), power shovels, cableways		
Patrols	1.850	2.000	Scoops			Medium equipment:		
Tractors	1.850	2.000	Bulldozers			Tournapulls and		
Light equipment:			Medium equipment:			Carry-alls		
Blade graders	1.850	2.000	Paving mixers			Bulldozers and tractors ..		
Motor graders	1.850	2.000	Mortar-patrols			Light equipment:		
Wheel tractors	1.850	2.000	File drivers			Welding machines		
Glaziers:			Light equipment:			Compressors and pumps ..		
Outside	1.825	1.950	Air compressors			Glaziers		
Inside	1.525	1.650	Mixers, 3 bag and under ..			30 feet or more above ground		
Lathers	2.275	2.500	Pumps			Granite cutters		
Machinists	2.250	2.250	Glaziers			Without shed or cover		
Marble setters	2.250	2.475	Lathers			Lathers		
Mosaic and terrazzo workers ..	2.250	2.475	Machinists			Residential or speculative ..		
Painters	1.800	2.000	Marble setters			Machinists		
Spray and structural steel ..	2.050	2.250	Mosaic and terrazzo workers ..			Marble setters		
Swing stage	2.050	2.250	Painters			Mosaic and terrazzo workers ..		
Paperhangers	1.800	2.000	Spray stage, spray			Painters		
Plasterers	2.400	2.650	Paperhangers			Steel, spray and swing stage		
Plumbers	2.350	2.580	Plasterers			Paperhangers		
Rodmen and reinforcers	2.175	2.375	Plumbers			Plasterers		
Roofers, composition	1.725	1.900	Rodmen			Residential or speculative ..		
Roofers, slate and tile	1.925	2.120	Roofers, composition			Plumbers		
Sheet-metal workers	2.150	2.300	Roofers, slate and tile			Rodmen		
Steam fitters	2.350	2.580	Sheet-metal workers			Roofers, composition		
Stonemasons	2.400	2.750	Sign painters			Roofers, slate and tile		
			Steam fitters					

3/ 35-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
PHILADELPHIA, PA. - Continued			PHOENIX, ARIZ. - Continued			PITTSBURGH, PA. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Sheet-metal workers	\$2.575	\$2.810	Machinists	\$2.500	\$2.500	Roofers, composition	\$2.500	\$2.625
Sign painters	2.225	2.345	Marble setters	3.000	3.300	Roofers, slate and tile	2.625	2.800
Outdoor advertising	2.325	2.445	Mosaic and terrazzo workers ..	3.000	3.300	Precast slab	2.625	2.800
Steam fitters	2.750	2.750	Painters	2.125	2.345	Sheet-metal workers	2.625	2.875
Sprinkler fitters	2.500	2.700	Spray	2.300	2.475	Sign painters	2.500	2.600
Stonemasons	3.250	3.250	Swing stage	2.250	2.425	Over seventy feet	2.750	2.850
Residential or speculative ..	2.750	2.875	Structural steel	2.375	2.550	Steam fitters	2.750	2.825
Structural-iron workers	2.800	3.050	Paperhangers	2.250	2.425	Sprinkler fitters	2.500	2.650
Tile layers	2.750	2.750	Plasterers	3.000	3.000	Stonemasons	3.000	3.000
<u>Helpers and laborers</u>			Plumbers	2.500	2.500	Structural-iron workers	2.625	2.875
Bricklayers' tenders	1.475	1.510	Rodmen	2.100	2.375	Ornamental	2.625	2.875
Residential	1.300	1.430	Roofers, composition	2.000	2.090	Tile layers	2.650	2.750
Building laborers	1.475	1.510	Roofers, slate and tile	2.000	2.090	<u>Helpers and laborers</u>		
Residential	1.300	1.430	Sheet-metal workers	2.125	2.200	Bricklayers' tenders	1.850	1.950
Elevator constructors' helpers	2.060	2.110	Sign painters	2.475	2.600	Building laborers	1.600	1.700
Marble setters' helpers	2.100	2.140	Steam fitters	2.500	2.500	Elevator constructors' helpers	1.985	2.005
Plasterers' laborers	2.000	2.000	Stonemasons	3.000	3.300	Marble setters' helpers	1.675	1.675
Residential	1.845	2.000	Structural-iron workers	2.430	2.580	Plasterers' laborers	1.850	1.950
Sprinkler fitters' helpers	1.600	1.750	Tile layers	3.000	3.300	Plumbers' laborers	1.750	1.875
Terrazzo workers' helpers	2.200	2.275	<u>Helpers and laborers</u>			Terrazzo workers' helpers	1.875	2.050
Tile layers' helpers	2.000	2.030	Bricklayers' tenders	1.950	2.175	Tile layers' helpers	1.770	1.833
PHOENIX, ARIZ.			Building laborers	1.575	1.775	PORTLAND, MAINE		
<u>Journeyman</u>			Elevator constructors' helpers	1.750	1.910	<u>Journeyman</u>		
Asbestos workers	2.400	2.500	Marble setters' helpers	1.750	2.000	Boilermakers	2.450	2.600
Boilermakers	2.430	2.530	Plasterers' laborers	2.150	2.375	Bricklayers	2.250	2.500
Bricklayers	3.000	3.300	Terrazzo workers' helpers	1.750	2.000	Carpenters	1.650	1.815
Carpenters	2.225	2.425	Tile layers' helpers	1.750	2.000	Cement finishers	2.250	2.500
Millwrights	2.350	2.535	PITTSBURGH, PA.			Electricians (inside wiremen)	1.900	2.010
Parquetry floor layers	2.475	2.660	<u>Journeyman</u>			Elevator constructors	2.200	2.280
Cement finishers	2.225	2.425	Asbestos workers	2.625	2.875	Engineers - Power equipment	operators:	
Electricians (inside wiremen)	2.250	2.500	Boilermakers	2.650	2.750	Building construction:	Heavy equipment:	
Elevator constructors	2.500	2.725	Bricklayers	3.000	3.000	Heavy shovels, pile drivers, hoisting engines	2.600	2.800
Engineers - Power equipment operators:			Carpenters	2.650	2.750	Medium equipment:		
Building construction:			Cement finishers	2.750	2.750	Bulldozers, concrete mixers, steam boilers	2.225	2.425
Heavy equipment:			Electricians (inside wiremen)	2.800	2.950	Light equipment:		
Elevator hoists	2.100	2.250	Elevator constructors	2.835	2.865	Pumps, compressors, welding machine	2.150	2.350
Concrete mixers (paving type and mobile mixers)	2.250	2.400	Engineers - Power equipment operators:			Heavy construction:		
A-Frame Boom trucks	2.200	2.350	Building construction:			Heavy equipment:		
Medium equipment:			Heavy equipment:			Power shovels, pile drivers, lighters	2.600	2.800
Skip loaders (wheel type)	2.025	2.175	Shovels, cranes, and carry-all scoops	2.800	2.900	Medium equipment:		
Ross Carriers and concrete mixers (skip type)	2.025	2.175	Medium equipment:			Concrete mixers, steam boilers, bulldozers ..	2.225	2.425
Light equipment:			Bulldozers, compressors, and hoists	2.700	2.800	Light equipment:		
Air compressors	1.900	2.050	Light equipment:			Pumps, compressors, welding machines	2.150	2.350
Pumps	1.900	2.050	Pumps, rollers, and welders	2.700	2.800	Marble setters	2.250	2.500
Heavy construction:			Heavy construction:			Mosaic and terrazzo workers ..	2.250	2.500
Heavy equipment:			Heavy equipment:			Painters	1.375	1.500
Highline cableways	2.350	2.500	Shovels, cranes and ditchers	2.550	2.800	Paperhangers	1.375	1.500
Universal equipment (shovels, draglines, derricks, barges, clamshells, or cranes)	2.350	2.500	Medium equipment:			Plasterers	2.000	2.500
Dozer-carryall (similar equip.)	2.150	2.300	Bulldozers, graders, and carry-all scoops ..	2.370	2.620	Plumbers	2.125	2.200
Medium equipment:			Light equipment:			Rodmen	2.050	2.255
Locomotive engineers	2.275	2.425	Compressors, pumps, and rollers	2.120	2.370	Steam fitters	2.125	2.200
Drilling machines, including water wells	2.275	2.425	Glaziers	2.325	2.325	Stonemasons	2.250	2.500
Trenching machines	2.225	2.375	Lathers	2.875	3.025	Structural-iron workers	2.300	2.530
Building construction:			Machinists	2.625	2.870	Tile layers	2.250	2.500
Light equipment:			Marble setters	2.500	2.500	<u>Helpers and laborers</u>		
Material loaders or conveyors	1.900	2.050	Mosaic and terrazzo workers ..	2.625	2.875	Bricklayers' tenders	1.350	1.430
Train handlers (other than engine crews), oilers, helpers	1.775	1.925	Painters	2.450	2.558	Building laborers	1.250	1.320
Glaziers	1.920	2.045	Grainers	2.780	2.888	Carpenters' tenders	1.350	1.430
Lathers	2.500	3.000	Structural steel	2.700	2.808	Elevator constructors' helpers	1.540	1.600
			Paperhangers	2.450	2.558	Jackhammer men	1.450	1.540
			Plasterers	2.875	3.025	Plasterers' laborers	1.450	1.540
			Plumbers	2.750	2.875			
			Rodmen	2.625	2.875			

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
PORTLAND, OREG.			PORTLAND, OREG. - Continued			PROVIDENCE, R. I. - Continued		
<u>Journeyman</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Asbestos workers	\$2.375	\$2.550	Mosaic and terrazzo workers ..	\$2.375	\$2.375	Plasterers	\$2.700	\$2.850
Boilermakers	2.430	2.530	Painters	2.100	2.300	Plumbers	2.400	2.400
Bricklayers	2.750	3.000	Bridge and structural steel	2.250	2.450	Rodmen	2.450	2.600
Carpenters	2.100	2.300	Spray	2.250	2.450	Roofers, composition	2.200	2.200
Millwrights	2.350	2.550	Swing stage	2.250	2.450	Roofers, slate and tile	2.400	2.400
Floor layers	2.225	2.425	Paperhangers	2.250	2.450	Sheet-metal workers	2.400	2.400
Pile drivers, bridge, dock, and wharf builders	2.200	2.400	Plasterers	2.600	2.850	Sign painters	1.750	2.000
Shinglers	2.300	2.450	Plumbers	2.375	2.770	Steam fitters	2.400	2.400
Cement finishers	2.160	2.300	Rodmen	2.100	2.300	Stonemasons	2.625	2.775
Composition workers, mastic workers	2.285	2.425	Roofers, composition	2.200	2.375	Structural-iron workers	2.450	2.600
Electricians (inside wiremen) and fixture hangers	2.400	2.600	Roofers, slate and tile	2.200	2.375	Tile layers	1.900	2.250
Elevator constructors	2.475	2.650	Sheet-metal workers	2.150	2.400	<u>Helpers and laborers</u>		
Engineers - Power equipment operators:			Sign painters	2.375	2.425	Bricklayers' tenders	1.600	1.650
Building construction:			Steam fitters	2.375	2.770	Building laborers	1.600	1.650
Heavy equipment:			Oil fitters	2.075	2.420	Elevator constructors' helpers	1.730	1.800
Power shovels, drag-lines, and cranes-under 1 cubic yard	2.250	2.350	Stonemasons	2.750	3.000	Marble setters' helpers	1.500	1.500
Power shovels, draglines, and cranes - 1 cubic yard and under 5 cubic yards	2.350	2.450	Structural-iron workers	2.300	2.500	Plasterers' laborers	1.875	1.900
Power shovels, drag-lines, and cranes - 5 cubic yards and over ..	2.700	2.800	Ornamental finishers	2.300	2.500	Terrazzo workers' helpers	1.500	1.500
Tractors - under 50 horse-power	2.000	2.100	Tile layers	2.375	2.375	Tile layers' helpers	1.500	1.500
Over 50 horse-power	2.200	2.300	<u>Helpers and laborers</u>					
Medium equipment:			Boilermaker helpers	2.130	2.230	READING, PA.		
Blades, power	2.200	2.300	Bricklayers' tenders	2.000	2.250	<u>Journeyman</u>		
Pile drivers	2.300	2.400	Building laborers	1.700	1.750	Asbestos workers	2.175	2.500
Light equipment:			Elevator constructors' helpers	1.730	1.850	Bricklayers	2.500	3.000
Hoists - single drum ...	2.000	2.100	Marble setters' helpers	2.000	2.250	Carpenters	2.250	2.365
Hoists - 2 or more active drums	2.300	2.400	Plasterers' laborers	2.000	2.250	Floor layers and millwrights ..	2.250	2.365
Concrete mixers - 1 to 5 bag capacity	1.950	2.050	Plumbers' laborers	1.700	1.850	Cement finishers	2.200	2.310
Concrete mixers - 5 bag capacity and over ..	2.100	2.200	Terrazzo workers' helpers ..	2.000	2.250	Electricians (inside wiremen)	2.375	2.500
Derricks, live boom ...	2.350	2.450	Tile layers' helpers	2.000	2.150	Elevator constructors	2.440	2.555
Heavy construction:			PROVIDENCE, R. I.			Engineers - Power equipment operators:		
Heavy equipment:			<u>Journeyman</u>			Building construction:		
Power shovels, draglines, and cranes - under 1 cubic yard	2.250	2.750	Asbestos workers	2.450	2.450	Heavy equipment:		
Power shovels, drag-lines, and cranes - 1 cubic yard and under 5 cubic yards	2.350	2.450	Boilermakers	2.450	2.600	Cranes (all types), derricks, power shovels ..		
Power shovels, drag-lines, and cranes - 5 cubic yards and over ..	2.700	2.800	Bricklayers	2.625	2.775	Medium equipment:		
Tractors - under 50 horse-power	2.000	2.100	Tunnel, sewer and caisson ..	2.875	3.025	Tournapulls and carry-alls		
Over 50 horse-power ..	2.200	2.300	Carpenters	2.100	2.250	Bulldozers and tractors ..		
Medium equipment:			Cement finishers	2.250	2.500	Light equipment:		
Blades, power	2.200	2.300	Electricians (inside wiremen)	2.250	2.400	Welding machines		
Pile drivers	2.300	2.400	Elevator constructors	2.475	2.575	Compressors and pumps ..		
Light equipment:			Engineers - Power equipment operators:			Heavy construction:		
Hoists - single drum ...	2.000	2.100	Building construction:			Heavy equipment:		
Hoists - 2 or more active drums	2.300	2.400	Heavy equipment:			Cranes (all types), cableways, and power shovels		
Concrete mixers - 1 to 5 bag capacity	1.950	2.050	Cranes, shovels, drag-lines, and back hoes ..	2.500	2.625	Medium equipment:		
Concrete mixers - 5 bag capacity and over ..	2.100	2.200	Medium equipment:			Tournapulls and carry-alls		
Derricks, live boom ...	2.350	2.450	Hoists, pile drivers and derricks	2.500	2.625	Bulldozers and tractors ..		
Heavy construction:			Light equipment:			Light equipment:		
Heavy equipment:			Pumps, air compressors and gas or electric heaters	2.125	2.250	Welding machines		
Power shovels, draglines, and cranes - under 1 cubic yard	2.250	2.750	Heavy construction:			Compressors and pumps ..		
Power shovels, drag-lines, and cranes - 1 cubic yard and under 5 cubic yards	2.350	2.450	Heavy equipment:			Glaziers		
Power shovels, drag-lines, and cranes - 5 cubic yards and over ..	2.700	2.800	Shovels, cranes, drag-lines and pavers	2.500	2.625	Lathers		
Tractors - under 50 horse-power	2.000	2.100	Medium equipment:			Machinists		
Over 50 horse-power ..	2.200	2.300	Pile drivers, lighters and derricks	2.500	2.625	Painters		
Medium equipment:			Light equipment:			Spray		
Blades, power	2.200	2.300	Mixers, pumps, air compressors, stone crushers ..	2.125	2.250	Structural steel		
Pile drivers	2.300	2.400	Glaziers	2.125	2.225	Paperhangers		
Light equipment:			Granite cutters	1.940	2.190	Plasterers		
Hoists - single drum ...	2.000	2.100	Lathers	2.700	2.850	Flumbers		
Hoists - 2 or more active drums	2.300	2.400	Marble setters	1.900	2.250	Rodmen		
Concrete mixers - 1 to 5 bag capacity	1.950	2.050	Mosaic and terrazzo workers ..	1.900	2.250	Roofers, composition		
Concrete mixers - 5 bag capacity and over ..	2.100	2.200	Painters	1.850	2.000	Roofers, slate and tile		
Derricks, live boom ...	2.350	2.450	Structural steel	2.100	2.250	Slab		
Glaziers	2.040	2.250	Paperhangers	1.850	2.000	Sheet-metal workers		
Lathers	2.500	2.750				Sign painters		
Machinists	2.350	2.365				Outdoor advertising and swing		
Marble setters	2.550	2.550				1.750		
						1.850		

1/ Information not available for rate and hours on July 1, 1950.
 5/ 35-hour workweek in effect 6 months of the year and 40-hour workweek for remaining 6 months.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
READING, PA. - Continued			RICHMOND, VA. - Continued			ROCHESTER, N. Y. - Continued		
<u>Journeyman - Continued</u>			<u>Helpers and laborers</u>			<u>Journeyman - Continued</u>		
Steam fitters	\$2.400	\$2.500	Bricklayers' tenders	\$1.250	\$1.250	Tile layers	\$2.410	\$2.650
Stonemasons	2.500	2.750	Building laborers .....	.900	1.000	<u>Helpers and laborers</u>		
Structural-iron workers	2.650	2.900	Elevator constructors' helpers	1.610	1.645	Bricklayers' tenders	1.700	1.760
Tile layers	2.300	2.750	Plasterers' laborers	(1/)	1.250	Building laborers	1.700	1.760
<u>Helpers and laborers</u>			ROCHESTER, N. Y.			Elevator constructors' helpers	1.695	1.840
Bricklayers' tenders	1.750	1.870	<u>Journeyman</u>			Marble setters' helpers	1.725	1.785
Building laborers	1.400	1.485	Asbestos workers	2.550	2.640	Plasterers' laborers	1.700	1.760
Elevator constructors' helpers	1.710	1.790	Bricklayers	2.500	2.750	Terrazzo workers' helpers	1.725	1.785
Plasterers' laborers	1.750	1.870	Carpenters	2.310	2.410	Machins operators and		
Plumbers' laborers	1.400	1.485	Millwrights	(1/)	2.600	grinders	1.825	1.885
RICHMOND, VA.			Cement finishers	2.500	2.750	Tile layers' helpers	1.725	1.785
<u>Journeyman</u>			Electricians (inside wiremen)	2.600	2.700	ROCK ISLAND (ILL.) DISTRICT 7/		
Asbestos workers	2.250	2.375	Elevator constructors	2.420	2.630	<u>Journeyman</u>		
Boilermakers	2.375	2.610	Engineers - Power equipment			Asbestos workers	2.250	2.350
Bricklayers	2.500	2.750	operators:			Boilermakers	1.900	1.900
Carpenters	1.880	2.050	Building construction:			Bricklayers	2.500	2.625
Millwrights	2.130	2.300	Heavy equipment:			Carpenters, floor layers and		
File drivers	1.880	2.050	Cranes, derricks, and			millwrights	2.250	2.335
Cement finishers	1.800	1.900	pile drivers	2.650	2.750	Cement finishers	2.080	2.285
Electricians (inside wiremen)	2.170	2.250	Medium equipment:			Electricians (inside wiremen)	2.375	2.500
Elevator constructors	2.300	2.355	Hoists, high pressure			Elevator constructors	2.390	2.505
Engineers - Power equipment			boilers, and pump creek			Engineers - Power equipment		
operators:			machines	2.500	2.600	operators:		
Air compressors	1.750	1.920	Light equipment:			Building construction:		
Bulldozers	1.875	2.060	Mixers (14S to 26S) ...	2.300	2.400	Heavy equipment:		
Cranes, derricks, and drag-			Pumps (4 inches and			Concrete mixers	2.220	2.440
lines	2.125	2.330	over) and mixers			2 drum hoists	2.220	2.440
Graders:			(under 14S)	2.050	2.145	Shovels, derricks	2.220	2.440
Blade	1.750	2.060	Compressors (160 cubic			Medium equipment:		
Motor	1.875	2.060	feet and over)	2.000	2.090	Concrete pumps	2.100	2.310
Hoists:			Compressors (under 160			Front end loaders	2.100	2.310
1 drum	1.750	1.920	cubic feet) and pumps			Single-drum hoists	2.100	2.310
2 or more drums	2.000	2.200	(under 4 inch)	1.700	1.760	Light equipment:		
Locomotives	1.750	2.060	Heavy construction:			Air compressors under		
Mixers:			Heavy equipment:			500 cubic feet	1.760	1.935
10S or smaller	1.625	1.780	Cableways, pile drivers,			Concrete mixers	1.760	1.935
Larger than 10S	1.750	2.060	cranes and shovels ...	2.650	2.750	Stationary boiler en-		
Pumps:			Medium equipment:			gineers	1.760	1.935
2 inch discharge	1.500	1.650	Mucking machines	2.500	2.600	Heavy construction:		
Over 2 inch discharge ...	1.750	1.920	Carry-all type scrapers,			Heavy equipment:		
Rollers	1.750	1.920	bulldozers, and graders	2.300	2.400	Concrete mixers	2.220	2.340
Scrapers	2.000	2.200	Light equipment:			Mechanics	2.220	2.340
Shovels	2.125	2.330	Dinky locomotives and			Shovels and all attach-		
Tournapulls	2.125	2.200	pumps (4 inches and			ments	2.220	2.340
Tractors:			over)	2.300	2.400	Medium equipment:		
Without attachments	1.750	1.920	Compressors (315 cubic			Bulldozers, scraper		
With attachments	2.125	2.200	feet and over)	2.050	2.150	equipment	2.100	2.220
Trenching machines	2.125	2.200	Pumps (under 4 inches) .	1.700	1.800	Equipment greasers	2.100	2.220
Glaziers	1.750	1.825	Glaziers	2.050	2.150	Motor patrols	2.100	2.220
Lathers	2.250	2.375	Lathers	2.500	2.600	Light equipment:		
Machinists	2.250	2.250	Machinists	2.500	2.750	Air compressors	1.760	1.880
Marble setters	2.500	2.500	Marble setters	2.410	2.650	Stationary boiler		
Mosaic and terrazzo workers ..	2.250	2.250	Mosaic and terrazzo workers ..	2.410	2.650	engineers	1.760	1.880
Painters	1.750	1.825	Painters	2.240	2.340	Water pumps	1.760	1.880
Spray	2.200	2.275	Spray	2.490	2.590	Glaziers	2.125	2.338
Structural steel and stage			Structural and bridge	2.340	2.440	Lathers	2.500	2.500
work	2.000	2.075	Paperhangers	2.240	2.340	Marble setters	2.150	2.250
Paperhangers	1.750	1.825	Plasterers	2.500	2.750	Mosaic and terrazzo workers ..	2.150	2.250
Plasterers	2.330	2.500	Plumbers	2.550	2.550	Painters	2.100	2.250
Plumbers	2.250	2.475	Rodmen	2.500	2.600	Steel	2.225	2.375
Rodmen	2.060	2.150	Roofers, composition	2.200	2.300	Swing stage, triple ladder,		
Sheet-metal workers	2.000	2.100	Roofers, slate and tile	2.200	2.300	window tracks and spray		
Sign painters	2.000	2.000	Sheet-metal workers	2.350	2.350	painters	2.225	2.375
Steam fitters	2.250	2.475	Sign painters	2.025	2.200	Paperhangers	2.100	2.250
Stonemasons	2.500	2.750	Steam fitters	2.550	2.640	Plasterers	2.500	2.750
Structural- and ornamental-			Stonemasons	2.500	2.750	Plumbers	2.375	2.500
iron workers	2.310	2.400	Structural-iron workers	2.500	2.600	Rodmen	2.350	2.475
Tile layers	2.250	2.250	Finishers	2.500	2.600	Roofers, composition	2.150	2.365

1/ Information not available for rate and hours on July 1, 1950.
7/ Includes Rock Island and Moline, Ill., and Davenport, Iowa.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
ROCK ISLAND (ILL.) DISTRICT 7/ - Continued			ST. LOUIS, MO. - Continued			ST. PAUL, MINN. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Roofers, slate and tile	\$2.150	\$2.365	Lathers:	\$2.500	\$2.625	Engineers - Power equipment operators: - Continued		
Sheet-metal workers	2.250	2.420	Wood	2.750	2.875	Heavy construction: - Continued		
Sign painters	2.100	2.310	Metal	2.500	2.750	Light equipment: - Continued		
Steam fitters	2.375	2.500	Machinists	2.500	2.650	Finishing machines	\$1.770	\$1.900
Refrigeration fitters	2.375	2.500	Marble setters	2.600	2.750	Glaziers	1.920	2.110
Structural-iron workers	2.350	2.475	Mosaic and terrazzo workers ..	2.320	2.500	Lathers	2.420	2.700
Tile layers	2.150	2.250	Painters	2.320	2.500	Machinists	2.250	2.400
<u>Helpers and laborers</u>			Paperhangers	2.750	2.875	Marble setters	2.350	2.500
Bricklayers' tenders	1.625	1.650	Plumbers	2.500	2.625	Mosaic and terrazzo workers ..	2.375	2.540
Mortar mixers	1.725	1.760	Rodmen	2.500	2.750	Painters	2.020	2.220
Building laborers	1.625	1.650	Roofers, composition	2.475	2.475	Structural steel and swing stage	2.170	2.370
Ditch, sewer and tunnel work	1.725	1.725	Roofers, slate, tile and pre-cast slab	2.250	2.375	Spray	2.170	2.370
Elevator constructors' helpers ..	1.670	1.750	Sheet-metal workers	2.625	2.750	Paperhangers	2.020	2.220
Marble setters' helpers	1.600	1.600	Sign and pictorial painters ..	2.500	2.750	Plasterers	2.420	2.750
Plasterers' tenders	2.000	2.063	Steam fitters	2.625	2.625	Plumbers	2.320	2.550
Mortar mixers	2.000	2.063	Sprinkler fitters	2.500	2.625	Rodmen	2.150	2.370
Plumbers' helpers	1.625	1.650	Stonemasons	3.000	3.000	Roofers, composition	2.000	2.200
Terrazzo workers' helpers	1.600	1.600	Structural-iron workers	2.500	2.750	Roofers, slate and tile	2.000	2.200
Base grinders	1.750	1.750	Tile layers	2.500	2.625	Sheet-metal workers	2.250	2.475
Tile layers' helpers	1.600	1.600	<u>Helpers and laborers</u>			Sign painters	2.175	2.300
ST. LOUIS, MO.			Bricklayers' tenders (hod carriers)	1.900	2.200	Steam fitters	2.320	2.550
<u>Journeyman</u>			Building laborers	1.650	1.770	Pipe fitters	2.320	2.550
Asbestos workers	2.500	2.820	Elevator constructors' helpers ..	1.780	1.960	Sprinkler fitters	2.400	2.600
Boilermakers	2.400	2.650	Plasterers' laborers	2.000	2.375	Refrigeration fitters	2.000	2.200
Bricklayers	3.000	3.000	Plumbers' laborers	1.875	2.000	Stonemasons	2.400	2.650
Sewer, over 6 feet, open work	3.250	3.250	Sprinkler fitters' helpers	1.500	1.625	Structural-iron workers and finishers	2.275	2.500
Carpenters	2.500	2.700	Stonemasons' helpers	1.900	2.200	Tile layers	2.375	2.550
Millwrights	2.500	2.700	Terrazzo workers' helpers	1.800	1.980	<u>Helpers and laborers</u>		
Pile drivers, wharf	2.500	2.700	Base-machine operators	2.000	2.200	Bricklayers' tenders	1.520	1.670
Cement finishers	2.500	2.750	Tile layers' helpers	1.700	1.785	Mortar mixers	1.620	1.800
On swinging scaffold	2.625	2.875	ST. PAUL, MINN.			Building laborers	1.520	1.670
Composition	2.750	3.000	<u>Journeyman</u>			Composition roofers' helpers ..	1.570	1.730
Electricians (inside wiremen) ..	2.500	2.625	Asbestos workers	2.320	2.550	Elevator constructors' helpers ..	1.650	1.690
Elevator constructors	2.540	2.790	Bricklayers	2.400	2.650	Marble setters' helpers	1.620	1.750
Engineers - Power equipment operators:			Tuck pointing	2.525	2.770	Plasterers' laborers	2.020	2.220
Building construction:			Carpenters	2.120	2.330	Plumbers' laborers	1.520	1.970
Heavy equipment:			Millwrights	2.120	2.330	Sprinkler fitters' helpers	1.625	1.750
Crane-dragline-shovel combination	2.550	2.760	Pile drivers	2.120	2.330	Terrazzo workers' helpers:		
Derricks (all types)	2.550	2.760	Cement finishers	2.070	2.280	Floor-machine operators	1.700	1.840
Pile drivers	2.550	2.760	Electricians (inside wiremen) ..	2.350	2.585	Base-machine operators	1.950	2.090
Medium equipment:			Elevator constructors	2.340	2.420	Tile layers' helpers	1.620	1.750
Boring machines (footing foundation)	2.550	2.760	Engineers - Power equipment operators:			SALT LAKE CITY, UTAH		
Combination hoists and concrete mixers	2.550	2.760	Building construction:			<u>Journeyman</u>		
Tractor shovels, HI-lift	2.550	2.760	Heavy equipment:			Asbestos workers	2.150	2.150
Light equipment:			Derricks	2.270	2.500	Boilermakers	2.430	2.530
Concrete pumps	2.550	2.760	Cranes, shovels	2.270	2.500	Bricklayers	2.500	2.750
1 drum hoists	2.000	2.250	Pumpcretes	2.170	2.390	Carpenters	1.875	2.050
Single compressors	2.000	2.250	Medium equipment:			Floor layers and scrapers ..	2.000	2.050
Heavy construction:			Hoists	2.070	2.280	Millwrights and saw filers	2.000	2.175
Heavy equipment:			Concrete mixers	2.070	2.280	Pile drivers	2.325	2.558
Crane-dragline-shovel combination	2.550	2.760	Mechanics, welders	2.070	2.280	Cement finishers	1.875	2.050
Derricks (all types)	2.550	2.760	Light equipment:			Composition floor layers ..	2.000	2.175
Pile drivers	2.550	2.760	Compressors	1.770	1.950	Finishing-machine operators ..	2.000	2.175
Medium equipment:			Firemen	1.620	1.780	Electricians (inside wiremen) ..	2.300	2.400
Hoists	2.000	2.250	Oilers	1.520	1.670	Elevator constructors	2.340	2.340
Welding machines	2.000	2.250	Heavy construction:			Engineers - Power equipment operators:		
Single compressors	2.000	2.250	Heavy equipment:			Building construction:		
Light equipment:			Cranes, shovels	2.270	2.450	Heavy equipment:		
Boilers	2.000	2.250	Dredges, engineers	2.270	2.450	Derricks	2.125	2.300
Pumps	2.000	2.250	Derricks	2.270	2.450	Pile drivers	2.225	2.400
Concrete-mixing machines	2.000	2.250	Medium equipment:			Tractors with front end loaders	1.975	2.150
Glaziers	2.500	2.750	Mechanics, welders	2.070	2.220			
			Bulldozers, scrapers	2.070	2.220			
			Graders, motor patrols	2.070	2.220			
			Light equipment:					
			Pumps, compressors	1.770	1.900			
			Loaders, Barber Green	1.870	2.000			

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
SALT LAKE CITY, UTAH - Continued			SAN ANTONIO, TEX. - Continued			SAN FRANCISCO, CALIF. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Engineers - power equipment operators - Continued			Bricklayers	\$2.625	\$3.000	Carpenters	\$2.225	\$2.450
Building construction: - Continued			Carpenters, parquetry floor layers	2.000	2.200	Floor layers	2.350	2.580
Medium equipment:			Millwrights	2.250	2.375	Millwrights	2.350	2.580
Hoists - 1 drum	\$1.825	\$2.000	Cement finishers	2.250	2.500	Shinglers	2.350	2.580
Hoists - 2 drum (both in use)	1.925	2.100	Electricians (inside wiremen)	2.375	2.475	Wharf-bridge	2.325	2.558
Mixermobiles	1.975	2.150	Elevator constructors	2.425	2.635	Cement finishers	2.200	2.420
Tractors, rubber-tired (industrial or farm type)	1.725	1.900	Engineers - Power equipment operators:			Composition	2.325	2.560
Light equipment:			Air compressors	1.750	1.925	Machine operators	2.325	2.560
Air compressors	1.700	1.875	Bulldozers	2.000	2.200	Electricians (inside wiremen) and fixture hangers	2.625	2.750
Air compressors-2 or more	1.825	2.000	Derricks, draglines, and pile drivers	2.000	2.200	Elevator constructors	2.700	2.840
Concrete mixers, skip type	1.725	1.900	Graders, self-propelled	2.000	2.200	Engineers - Power equipment operators:		
Heavy construction:			Hoists:			Building construction:		
Heavy equipment:			1 drum	1.750	1.925	Heavy equipment:		
Power shovels, up to 1 yard	2.125	2.300	2 or more drums	2.000	2.200	Derricks	2.440	2.680
Power shovels, over 1 yd	2.125	2.300	Mixers:			Tractors-type shovel loaders	2.440	2.680
Tournapull or similar type	2.100	2.275	Under 14 cubic feet	1.750	1.925	Medium equipment:		
Cableways	2.125	2.300	14 cubic feet and over	2.000	2.200	Material hoists	2.190	2.410
Medium equipment:			Pumps, larger than 4 inches	1.750	1.925	Mixermobiles	2.340	2.570
Mucking-machines (under-ground work)	2.225	2.400	Rollers	2.000	2.200	Scoombobiles (when used as a hoist)	2.190	2.410
Concrete mixers, paving or batch plant	1.975	2.150	Scrapers:			Scoombobiles (when used as a loader)	2.340	2.570
Tractors	1.975	2.150	3 cubic yards or less	1.750	1.925	Light equipment:		
Motor patrols	2.075	2.250	Over 3 cubic yards	2.000	2.200	Compressors	1.940	2.130
Light equipment:			Shovels	2.000	2.200	Compressors (more than one)	2.240	2.460
Engineers, dinkey	1.725	1.900	Tractors, crawler type and wheel type (except wher hauling material)	1.750	1.925	Towermobiles	2.190	2.410
Engineers, locomotive	1.975	2.150	Trenching machines	2.000	2.200	Concrete mixers (up to 1 yard)	1.540	2.130
Truck cranes	2.125	2.300	Glaziers	1.875	2.000	Heavy construction:		
Glaziers	1.850	1.925	Lathers	2.875	3.000	Heavy equipment:		
Lathers, wood and metal	2.500	2.625	Machinists	2.500	2.500	Power shovels (up to and including 1 yard)	2.590	2.850
Marble setters	2.250	2.250	Marble setters	2.000	2.250	Power shovels (over 1 yard)	2.690	2.960
Mosaic and terrazzo workers	2.250	2.250	Mosaic and terrazzo workers	2.000	2.250	LeTourneau pills	2.440	2.680
Painters	1.875	2.000	Painters	1.875	2.000	Highline cableways	2.590	2.850
Swing stage	2.000	2.125	Painters	2.000	2.125	Medium equipment:		
Spray gun	2.125	2.250	Painters	2.000	2.125	Mucking machines	2.410	2.650
Paperhangers	2.000	2.125	Painters	2.000	2.125	Dual-drum mixers	2.340	2.570
Plasterers	2.500	2.625	Painters	2.000	2.125	Tractors	2.290	2.520
Plumbers	2.200	2.500	Painters	2.000	2.125	Light equipment:		
Rodmen	2.075	2.250	Painters	2.000	2.125	Locomotives	2.040	2.240
Roofers, composition	2.000	2.150	Painters	2.000	2.125	Locomotives (steam or over 30 tons)	2.290	2.520
Roofers, slate and tile	2.000	2.150	Painters	2.000	2.125	Truck cranes	2.440	2.680
Sheet-metal workers	2.000	2.200	Painters	2.000	2.125	Glaziers	2.080	2.300
Sign painters	1.900	2.050	Painters	2.000	2.125	Granite cutters	2.000	2.250
Steamfitters	2.200	2.500	Painters	2.000	2.125	Lathers	3.000	3.000
Refrigerator fitters	2.200	2.200	Painters	2.000	2.125	Machinists	2.500	2.500
Stonemasons	2.500	2.750	Painters	2.000	2.125	Marble setters	2.500	2.700
Structural-iron workers	2.150	2.325	Painters	2.000	2.125	Mosaic and terrazzo workers	2.250	2.750
Ornamental finishers	2.150	2.325	Painters	2.000	2.125	Base-machine operators	2.250	2.750
Tile layers	2.250	2.250	Painters	2.000	2.125	Painters	3/2.275	3/2.450
<u>Helpers and laborers</u>			<u>Helpers and laborers</u>			<u>Helpers and laborers</u>		
Bricklayers' tenders	1.725	1.900	Bricklayers' tenders	1.240	1.330	Structural steel	3/2.275	3/2.450
Building laborers	1.325	1.500	Hod carriers and mortar mixers	1.500	1.590	Paperhangers	3/2.275	3/2.450
Elevator constructors' helpers	1.640	1.640	Building laborers .....	.970	1.060	Plasterers	3.000	3.000
Plasterers' laborers	2.000	2.125	Elevator constructors' helpers	1.700	1.845	Plumbers	2.500	2.750
Plumbers' laborers	1.325	1.500	Plasterers' laborers	1.500	1.590	Rodmen	2.250	2.450
SAN ANTONIO, TEX.			SAN FRANCISCO, CALIF.			SAN FRANCISCO, CALIF.		
<u>Journeyman</u>			<u>Journeyman</u>			<u>Journeyman</u>		
Asbestos workers	2.375	2.500	Asbestos workers	2.350	2.585	High pressures	2.500	2.750
SAN FRANCISCO, CALIF.			SAN FRANCISCO, CALIF.			SAN FRANCISCO, CALIF.		
<u>Journeyman</u>			<u>Journeyman</u>			<u>Journeyman</u>		
Boilermakers			Boilermakers	2.430	2.530	Low pressures	2.375	2.625
Bricklayers			Bricklayers	2/3.000	3/3.250	Oil burner fitters	2.500	2.625
Caisson			Caisson	2/3.167	3.250	Sprinkler fitters	2.500	2.750
SAN FRANCISCO, CALIF.			SAN FRANCISCO, CALIF.			SAN FRANCISCO, CALIF.		
<u>Journeyman</u>			<u>Journeyman</u>			<u>Journeyman</u>		
Stonemasons			Stonemasons	2/3.000	3/3.250	Stonemasons	2/3.000	3/3.250

2/ 30-hour workweek.
3/ 35-hour workweek.
6/ 44-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
SAN FRANCISCO, CALIF. - Continued			SCRANTON, PA.			SEATTLE, WASH. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman</u>			<u>Journeyman - Continued</u>		
Structural-iron workers	\$2.500	\$2.700	Asbestos workers	\$2.300	\$2.300	Carpenters	\$2.195	\$2.420
Finishers (ornamental)	2.350	2.550	Bricklayers	2.625	2.875	Floor layers	2.295	2.550
Tile layers	2.675	2.955	Carpenters	2.125	2.250	Pile drivers, bridge and dock	2.245	2.470
<u>Helpers and laborers</u>			Millwrights	2.375	2.500	Shinglers	2.285	2.550
Bricklayers' tenders	2.450	2.450	Cement finishers	2.275	2.365	Cement finishers	2.195	2.370
Building laborers	1.550	1.700	Electricians (inside wiremen)	2.375	2.500	Composition and mastic floor layers	2.245	2.420
Elevator constructors' helpers	1.890	1.990	Elevator constructors	2.425	2.670	Electricians (inside wiremen) and fixture hangers	2.395	2.650
Marble setters' helpers	1.875	2.025	Engineers - Power equipment operators:			Elevator constructors	2.557	2.750
Plasterers' laborers	2/2.650	2/2.650	Building construction:			Engineers - Power equipment operators:		
Terrazzo workers' helpers	1.875	2.050	Heavy equipment:			Building construction:		
Wet-machine men	1.785	2.200	Cranes (all types), derricks, power shovels	2.800	2.800	Heavy equipment:		
Terrazzo polishers	1.785	2.200	Medium equipment:			Shovels and cranes, all crawler and truck types	2.630	2.800
Tile layers' helpers	1.970	2.210	Tournapulls and carry-alls	2.425	2.425	Bulldozers, all	2.280	2.450
SAVANNAH, GA.			Bulldozers and tractors	2.175	2.175	Carry-all type scrapers - singles	2.280	2.450
<u>Journeyman</u>			Light equipment:			Carry-all type scrapers - tandem	2.430	2.600
Asbestos workers	2.250	2.500	Welding machines	2.350	2.350	Medium equipment:		
Boilermakers	2.350	2.475	Compressors and pumps	2.225	2.225	Hoists	2.330	2.500
Bricklayers	2.250	2.500	Heavy construction:			Mixers, other than paving	2.330	2.500
Carpenters, wharf and bridge	1.800	2.000	Heavy equipment:			Pile drivers engineers	2.400	2.570
Millwrights	2.050	2.250	Cranes (all types), power shovels, cableways	2.800	2.800	Light equipment:		
Pile drivers	1.900	2.100	Medium equipment:			Forklifts or lumber stackers (on construction job site)	2.280	2.450
Cement finishers	1.875	1.875	Tournapulls and carry-alls	2.425	2.425	Compressors, excavating	2.080	2.250
Electricians (inside wiremen)	2.000	2.350	Bulldozers and tractors	2.175	2.175	Heavy construction:		
Elevator constructors	2.120	2.350	Light equipment:			Heavy equipment:		
Engineers - Power equipment operators:			Welding machines	2.350	2.350	Shovels and cranes, all crawler and truck types	2.630	2.800
Air compressors	1.750	2.000	Compressors and pumps	2.250	2.250	Bulldozers, all	2.280	2.450
Bulldozers	1.750	2.000	Glaziers	1.825	1.900	Carry-all type scrapers - single	2.280	2.450
Cranes, pile drivers, derricks, draglines	2.000	2.250	Inside	1.470	1.500	Carry-all type scrapers - tandem	2.430	2.600
Graders	1.750	2.000	Lathers	2.275	2.500	Medium equipment:		
Hoists:			Marble setters	2.375	2.625	Hoists	2.330	2.500
1 and 2 drums	1.750	2.000	Mosaic and terrazzo workers	2.375	2.500	Mixers, other than paving	2.330	2.500
3 or more drums	2.000	2.250	Painters	1.875	2.063	Pile driver engineers	2.400	2.570
Mixers:			Swing	2.000	2.200	Light equipment:		
Under 14 cu. ft.	1.750	2.000	Steel	2.250	2.475	Forklifts or lumber stackers (on construction job site)	2.280	2.450
14 cu. ft. and over	2.000	2.250	Paperhangers	1.875	2.063	Compressors, excavating	2.080	2.250
Pumps	1.750	2.000	Plasterers	2.525	2.640	Glaziers	2.080	2.180
Rollers	1.750	2.000	Plumbers	2.150	2.425	Lathers, metal, wood, and wire	2.875	2.875
Scrapers	1.750	2.000	Rodmen	2.720	2.970	Machinists	2.390	2.600
Shovels	2.000	2.250	Roofers, composition	2.125	2.200	Marble setters	2.725	2.725
Tractors	1.750	2.000	Roofers, slate and tile	2.125	2.200	Mosaic and terrazzo workers	2.245	2.575
Trenching machines	1.750	2.000	Sheet-metal workers	2.125	2.300	Painters	2.195	2.370
Glaziers	1.650	1.850	Steam fitters	2.300	2.425	Structural steel	2.320	2.495
Lathers	2.250	2.250	Stonecutters	2.000	2.000	Spray	2.195	2.370
Machinists	2.250	2.250	Outside (finish)	2.500	2.500	Paperhangers	2.195	2.370
Marble setters	2.250	2.500	Stonemasons	2.625	2.875	Plasterers	2.495	3.000
Mosaic and terrazzo workers	2.250	2.500	Structural-iron workers	2.820	3.070	Plumbers	2.500	2.750
Painters	1.650	1.850	Tile layers	2.375	2.500	Rodmen	2.195	2.370
Spray	3.000	3.200	<u>Helpers and laborers</u>			Roofers, composition:		
Structural steel	1.900	2.100	Bricklayers' tenders	1.600	1.600	Flat	2.195	2.370
Paperhangers	1.775	1.975	Building laborers	1.450	1.450	Steep	2.265	2.460
Plasterers	2.000	2.250	Composition roofers' helpers	1.500	1.513	Roofers, slate and tile	2.285	2.460
Plumbers	2.300	2.500	Elevator constructors' helpers	1.700	1.870	Sheet-metal workers	2.345	2.520
Rodmen	2.000	2.000	Marble setters' helpers	1.500	1.625	Sign painters	2.495	2.670
Sheet-metal workers	1.750	2.000	Plasterers' laborers	1.600	1.600	Steam fitters	2.500	2.750
Sign painters	1.650	1.850	Plumbers' laborers	1.450	1.450	Refrigeration	2.500	2.750
Steam fitters	2.300	2.500	Terrazzo workers' helpers	1.500	1.625	Stonemasons	3.000	3.300
Stonemasons	2.250	2.500	Tile layers' helpers	1.500	1.625	Structural-iron workers	2.395	2.570
Structural- and ornamental-iron workers	2.250	2.250	SEATTLE, WASH.			Finishers	2.395	2.570
Tile layers	2.250	2.500	<u>Journeyman</u>			Tile layers	2.575	2.750
<u>Helpers and laborers</u>			Asbestos workers	2.295	2.550			
Bricklayers' tenders .....	.950	1.100	Boilermakers	2.430	2.530			
Building laborers .....	.850	1.000	Bricklayers	3.000	3.000			
Elevator constructors' helpers	1.484	1.645	Sever and tunnel	3.125	3.425			
Plasterers' laborers .....	.950	1.100						

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
SEATTLE, WASH. - Continued			SOUTH BEND, IND. - Continued			SPOKANE, WASH. - Continued		
<u>Helpers and laborers</u>			<u>Helpers and laborers-Continued</u>			<u>Journeyman - Continued</u>		
Bricklayers' tenders	\$2.045	\$2.220	Composition roofers' helpers	\$1.700	\$1.870	Paperhangers	\$2.100	\$2.250
Building laborers	1.795	1.970	Elevator constructors' helpers	1.690	1.760	Plasterers	2.500	3.000
Elevator constructors' helpers	1.790	1.925	Marble setters' helpers	1.650	1.815	Plumbers	2.500	2.750
Marble setters' helpers	2.000	2.000	Plasterers' laborers	1.800	1.980	Rodmen	2.250	2.350
Plasterers' laborers	2.045	2.220	Terrazzo workers' helpers	1.800	1.960	Roofers, composition	2.000	2.265
Plumbers' laborers	1.795	1.970	Base-machine operators	2.000	2.200	Roofers, slate and tile	2.000	2.265
Terrazzo workers' helpers	2.000	2.000	Tile layers' helpers	1.650	1.815	Sheet-metal workers	2.250	2.450
Machine	2.050	2.050				Steam fitters	2.500	2.750
Tile layers' helpers	2.000	2.000				Stonemasons	2.750	3.000
SOUTH BEND, IND.			SPOKANE, WASH.			Structural-iron workers		
<u>Journeyman</u>			<u>Journeyman</u>			Finishers		
Asbestos workers	2.300	2.475	Asbestos workers	2.250	2.500	Tile layers	2.500	2.750
Boilermakers	2.500	2.585	Boilermakers	2.430	2.530			
Bricklayers	2.575	3.000	Bricklayers	2.750	3.000	<u>Helpers and laborers</u>		
Carpenters	2.205	2.420	Carpenters	2.200	2.420	Bricklayers' tenders	1.800	1.960
Ground hog workers, sewer, tunnel and caisson work	2.825	3.250	Millwrights	2.400	2.620	Elevator constructor helper	(1/)	1.890
Carpenters	2.205	2.420	Cement finishers	2.350	2.450	Building laborers	1.600	1.750
Cement finishers	2.208	2.420	Electricians (inside wiremen)	2.330	2.500	Marble setters' helpers	1.800	1.960
Electricians (inside wiremen) and fixture hangers	2.300	2.530	Elevator constructors	2.460	2.700	Plasterers' laborers	2.100	2.350
Elevator constructors	2.420	2.520	Engineers - Power equipment operators:			Terrazzo workers' helpers	1.800	1.960
Engineers - Power equipment operators:			Building construction:			Tile layers' helpers	1.800	1.960
Building construction:			Heavy equipment:					
Heavy equipment:			Cranes and derricks ...	2.350	2.450	SPRINGFIELD, MASS.		
Shovels, draglines, and large mixers	2.415	2.650	Hoists - 2 or more drums	2.300	2.400	<u>Journeyman</u>		
Medium equipment:			Medium equipment:			Asbestos workers	2.325	2.450
Cranes and derricks ...	2.415	2.650	Mixermobiles	2.150	2.350	Boilermakers	2.450	2.500
Hoists	2.100	2.320	Pumprotes (linkbelt or similar)	2.100	2.200	Bricklayers	2.500	2.750
Light equipment:			Concrete mixers:			Carpenters	2.000	2.200
Le Tourneau scoops and power blades	2.205	2.425	Under 5 bag capacity ..	1.900	2.050	Cement finishers	2.500	2.750
Bulldozers	2.100	2.320	5 bag capacity and over	1.900	2.200	Electricians (inside wiremen)	2.350	2.500
Heavy construction:			Light equipment:			Elevator constructors	2.430	2.480
Heavy equipment:			Compressors - 1 only (portable)	1.750	2.000	Engineers - Power equipment operators:		
Shovels, draglines, and large mixers	2.415	2.650	Compressors - 2 or more (portable)	1.900	2.100	Building construction:		
Medium equipment:			Pumps:			Heavy equipment:		
Cranes and derricks ...	2.415	2.650	Under 4 inches	1.750	1.800	Cranes 3-drum hoists and over, power shovels, trenching machines, and pile drivers	2.275	2.500
Hoists	2.100	2.320	4 inches and over ...	1.750	2.000	Medium equipment:		
Light equipment:			Heavy construction:			Scrapers and tournapulls	1.875	2.050
Le Tourneau scoops	2.205	2.425	Heavy equipment:			Bulldozers	1.825	2.000
Bulldozers	2.100	2.320	Power shovels and shovel rigged machines (cranes, clamshells, etc.)	2.350	2.450	Light equipment:		
Power blades and motor patrols	2.205	2.425	Power shovels, 4 yards and over (factory rating)	2.700	2.800	One-and two-drum hoists, pumps, boilers or compressors	1.825	2.000
Glaziers	2.075	2.200	Tractors	2.150	2.300	Heavy construction:		
Lathers, metal, wood, and wire	2.350	2.585	Highline cableways ...	2.350	2.450	Heavy equipment:		
Machinists	(1/)	2.200	Medium equipment:			Cranes, 3-drum hoists and over, power shovels, trenching machines, and pile drivers	2.275	2.500
Marble setters	2.575	2.750	Locomotives (over 12 tons)	2.250	2.250	Medium equipment:		
Mosaic and terrazzo workers ..	2.575	2.750	Derricks and pile drivers	2.350	2.450	Scrapers and tournapulls	1.875	2.050
Painters	2.050	2.250	Traxcavator and similar loaders	2.150	2.300	Bulldozers	1.825	2.000
Paperhangers	2.050	2.255	Light equipment:			Light equipment:		
Plasterers	2.500	2.750	Compressors - 1 only (portable)	1.750	2.000	One-and two-drum hoists, pumps, boilers or compressors	1.825	2.000
Plumbers	2.300	2.530	Compressors - 2 or more (portable)	1.900	2.100	Glaziers	2.170	2.170
Rodmen	2.415	2.650	Pumps:			Lathers	2.400	2.450
Roofers, composition	2.250	2.470	Under 4 inches	1.750	1.800	Marble setters	2.500	2.750
Roofers, slate and tile	2.250	2.470	4 inches and over ...	1.750	2.000	Mosaic and terrazzo workers ..	2.500	2.750
Sheet-metal workers	2.300	2.500	Glaziers	2.020	2.180	Painters	2.000	2.000
Sign-painters	1.900	2.050	Lathers	2.300	2.510	Paperhangers	2.000	2.000
Steam fitters	2.300	2.530	Marble setters	2.600	2.850	Plasterers	2.500	2.750
Stonemasons	2.575	3.000	Mosaic and terrazzo workers	2.500	2.750	Plumbers	2.450	2.575
Structural-iron workers	2.415	2.650	Painters	2.100	2.250	Rodmen	2.550	2.695
Tile layers	2.575	2.750	Spray	2.450	2.600	Roofers, composition	2.125	2.2000
			Structural steel	2.350	2.500			
<u>Helpers and laborers</u>								
Bricklayers' tenders	1.650	1.815						
Mortar mixers and hod carriers	1.800	1.980						
Building laborers	1.650	1.815						

1/ Information not available for rate and hours on July 1, 1950.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
SPRINGFIELD, MASS. - Continued			SYRACUSE, N.Y. - Continued			TOLEDO, OHIO - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Roofers, slate and tile	\$2.350	\$2.420	Sheet-metal workers	\$2.250	\$2.400	Roofers, composition and built-up moppers	\$2.250	\$2.360
Sheet-metal workers	2.350	2.420	Sign painters	2.100	2.200	Roofers, slate and tile	2.250	2.360
Spray painters	2.667	2.667	Steam fitters	2.500	2.640	Sheet-metal workers	2.375	2.500
Steam fitters	2.500	2.500	Structural-iron workers	2.500	2.650	Sign painters	2.100	2.225
Stonemasons:			Tile layers	2.300	2.500	Steam fitters	2.625	2.750
Inside	1.875	1.875	<u>Helpers and laborers</u>			Stone masons	2.725	3.000
Outside	2.500	2.500	Building laborers	1.500	1.750	Structural-iron workers	2.625	2.755
Stonemasons	2.500	2.750	Elevator constructors' helpers	1.715	1.880	Finishers	2.625	2.755
Structural-iron workers	2.550	2.695	Marble setters' helpers	1.650	1.800	Tile layers	2.500	2.750
Tile layers	2.500	2.750	Steam fitters' helpers	1.650	1.700	<u>Helpers and laborers</u>		
<u>Helpers and laborers</u>			Terrazzo workers' helpers	1.650	1.800	Bricklayers' tenders and mortar mixers	1.945	2.040
Bricklayers' tenders	1.700	1.785	Tile layers' helpers	1.650	1.800	Building laborers	1.825	1.920
Building laborers	1.450	1.520	TOLEDO, OHIO			Elevator constructors' helpers	1.850	1.940
Elevator constructors' helpers	1.700	1.740	<u>Journeyman</u>			Marble setters' helpers	1.700	1.825
Marble setters' helpers	1.700	1.800	Asbestos workers	2.525	2.650	Plasterers' laborers	1.700	1.825
Plasterers' laborers	1.700	1.785	Boilermakers	2.625	2.755	Terrazzo workers' helpers	1.700	1.825
Terrazzo workers' helpers	1.700	1.800	Bricklayers	2.725	3.000	Base grinders	1.725	1.825
Tile layers' helpers	1.700	1.800	Carpenters, floor layers, and millwrights	2.425	2.550	Tile layers' helpers	1.700	1.825
SYRACUSE, N.Y.			Cement finishers	2.625	2.755	WASHINGTON, D. C.		
<u>Journeyman</u>			Electricians (inside wiremen)	2.625	2.750	<u>Journeyman</u>		
Asbestos workers	2.500	2.500	Fixture hangers	2.475	2.600	Asbestos workers	2.500	2.750
Boilermakers	2.500	2.500	Elevator constructors	2.645	2.770	Boilermakers	2.375	2.610
Bricklayers	2.600	2.850	Engineers - Power equipment operators:			Bricklayers	3.000	3.000
Carpenters	2.200	2.450	Building construction:			Carpenters	2.500	2.625
Cement finishers	2.250	2.500	Heavy equipment:			Cement finishers	2.450	2.500
Electricians (inside wiremen)	2.550	2.730	Cranes (all types), power shovels, and derricks	2.625	2.755	Electricians (inside wiremen)	2.700	3.000
Elevator constructors	2.450	2.685	Medium equipment:			Elevator constructors	2.800	2.940
Engineers - Power equipment operators:			Power graders	2.375	2.495	Engineers - Power equipment operators:		
Building construction:			Rollers, asphalt	2.250	2.365	Building construction:		
Heavy equipment:			Trench machines	2.375	2.495	Heavy equipment:		
Cranes, pile drivers, and 2 and 3 drum hoists	2.600	2.850	Light equipment:			Cranes, shovels, pile drivers	2.600	2.725
Medium equipment:			Bulldozers	2.375	2.495	Medium equipment:		
1 drum hoists and pumps (4 inches and over)	2.350	2.600	Pumps, 4 inches and over	2.250	2.365	Hoists (double drum)	2.600	2.725
Compressors	2.050	2.300	Pumps, under 4 inches	1.875	1.970	Trenching machines and single-drum hoists	2.350	2.470
Light equipment:			Compressors	2.250	2.365	Light equipment:		
Welding machines, lighting slants, and Harmon Nelson heaters or their equivalent	2.050	2.300	Heavy construction:			Compressors and pumps	2.200	2.310
Heavy construction:			Heavy equipment:			Bulldozers	2.000	2.100
Heavy equipment:			Cranes (all types), power shovels, and derricks	2.625	2.755	Heavy construction:		
Power shovels	2.600	2.600	Medium equipment:			Heavy equipment:		
Power cranes	2.600	2.600	Power graders and trench machines	2.375	2.495	Cranes, shovels, pile drivers	2.600	2.725
Scrapers	2.250	2.600	Rollers	2.250	2.365	Medium equipment:		
Medium equipment:			Light equipment:			Hoists (double drum)	2.600	2.725
Bulldozers	2.250	2.250	Bulldozers	2.375	2.495	Trenching machines and single-drum hoists	2.350	2.470
Compressors (over 500 cubic feet)	2.300	2.300	Pumps, 4 inches and over	2.250	2.365	Light equipment:		
Pumps (over 4 inches)	2.000	2.000	Pumps, under 4 inches	1.875	1.970	Compressors and pumps	2.200	2.310
Light equipment:			Compressors	2.250	2.365	Bulldozers	2.000	2.100
Compressors (under 500 cubic feet)	2.000	2.000	Glaziers	2.125	2.200	Glaziers	2.250	2.350
Mixers (under 16S)	1.750	1.750	Lathers	3.2.625	3.2.755	Lathers	3.000	3.000
Tractors	2.250	2.250	Marble setters	2.725	2.860	Machinists	2.500	2.500
Glaziers	1.900	2.000	Mosaic and terrazzo workers	2.500	2.750	Marble setters	3.000	3.150
Lathers	2.500	2.750	Painters, brush	2.275	2.365	Mosaic and terrazzo workers	2.775	3.000
Machinists	(1/)	2.500	Spray	2.575	2.665	Painters	2.300	2.520
Marble setters	2.300	2.500	Brush, swing, under 30 feet	2.525	2.615	Bridge, structural steel and spray	2.750	2.850
Mosaic and terrazzo workers	2.300	2.500	Spray, swing, under 30 feet	2.575	2.665	Spray	2.500	2.520
Painters	1.950	2.050	Brush, swing, over 30 feet	2.775	2.865	Paperhangers	2.300	2.520
Spray	2.100	2.200	Spray, swing, over 30 feet	2.825	2.915	Plasterers	3.000	3.000
Structural steel	2.200	2.300	Steel	2.275	2.365	Plumbers	2.500	2.750
Plasterers	2.500	2.800	Paperhangers	2.275	2.365	Rodmen	2.500	2.500
Plumbers	2.500	2.640	Plasterers	2.625	2.755	Roofers, composition	2.000	2.150
Roofers, composition	2.300	2.350	Plumbers	2.625	2.750	Roofers, slate and tile	2.500	2.500
Roofers, slate and tile	2.300	2.350	Rodmen	2.455	2.580			

1/ Information not available for rate and hours on July 1, 1950.

3/ 35-hour workweek.

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
WASHINGTON, D. C. - Continued			WORCESTER, MASS.			YORK, PA. - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman</u>			<u>Journeyman - Continued</u>		
Sheet-metal workers	\$2.625	\$2.750	Boilermakers	\$2.450	\$2.600	Engineers - Power equipment operators:		
Sign painters	2.000	2.250	Bricklayers	2.500	2.700	Building construction:		
Sprinkler fitters	2.400	2.600	Carpenters	2.025	2.200	Heavy equipment:		
Steam fitters	2.500	2.650	Cement finishers	2.500	2.700	Cranes (all types), derrick, power shovels	\$2.800	\$2.800
Refrigeration and oil burner fitters:			Electricians (inside wiremen)	2.350	2.420	Medium equipment:		
5 horsepower or less	2.000	2.150	Elevator constructors	2.340	2.520	Tournapulls and Carry-alls	2.425	2.425
Over 5 horsepower	2.500	2.650	Engineers - Power equipment operators:			Bulldozers and tractors	2.175	2.175
Stonemasons	3.000	3.150	Building construction:			Light equipment:		
Structural-iron workers	2.950	3.000	Heavy equipment:			Welding machines	2.350	2.350
Tile layers	2.775	3.000	Power shovels, pile drivers, hoisting engines	2.600	2.800	Compressors and pumps ..	2.225	2.225
<u>Helpers and laborers</u>			Medium equipment:			Heavy construction:		
Building laborers	1.450	1.550	Bulldozers, concrete mixers, steam boilers	2.225	2.425	Heavy equipment:		
Garden type apartment house construction	1.300	1.550	Light equipment:			Cranes (all types), cableways, power shovels	2.800	2.800
Composition-roofers' helpers	1.550	1.700	Pumps, compressors, welding machines	2.150	2.350	Medium equipment:		
Elevator constructors' helpers	1.960	2.060	Heavy construction:			Tournapulls and Carry-alls	2.425	2.425
Marble setters' helpers	1.875	2.000	Heavy equipment:			Bulldozers and tractors	2.175	2.175
Plasterers' laborers	1.850	2.000	Power shovels, pile drivers, lighters	2.600	2.800	Light equipment:		
Plumbers' laborers	1.600	1.750	Medium equipment:			Welding machines	2.350	2.350
Sprinkler fitters helpers	1.625	1.750	Concrete mixers, steam boilers, bulldozers	2.225	2.425	Compressors and pumps ..	2.225	2.225
Terrazzo workers' helpers	2.000	2.063	Light equipment:			Machinists	2.160	2.340
Tile layers' helpers	2.000	2.063	Pumps, compressors, welding machines	2.150	2.350	Marble setters	2.250	2.250
WICHITA, KANS.			Glaziers	1.800	1.800	Mosaic and terrazzo workers ..	2.250	2.250
<u>Journeyman</u>			Lathers	2.700	2.700	Painters	1.550	1.595
Asbestos workers	2.375	2.475	Marble setters	2.500	2.700	Structural steel and pipe ..	1.800	1.845
Bricklayers	3.000	3.000	Mosaic and terrazzo workers ..	2.500	2.700	Spray	2.050	2.095
Carpenters	2.000	2.063	Painters	1.800	1.800	Paperhangers	1.550	1.595
Cement finishers	2.250	2.500	Paperhangers	1.800	1.800	Plasterers	2.250	2.250
Electricians (inside wiremen)	2.250	2.500	Plasterers	2.500	2.700	Plumbers	1.850	2.000
Elevator constructors	2.225	2.550	Plumbers	2.125	2.338	Roofers, composition	1.380	1.400
Lathers	2.500	3.000	Rodmen	2.550	2.550	Roofers, slate and tile	1.730	1.770
Machinists	2.250	2.500	Sign painters	1.800	1.800	Sheet-metal workers	2.025	2.200
Marble setters	3.000	3.000	Steam fitters	2.250	2.340	Sign painters	1.550	1.650
Mosaic and terrazzo workers ..	2.000	2.500	Structural-iron workers	2.550	2.550	Steam fitters	1.850	2.000
Painters	1.750	1.925	Stonemasons	2.500	2.700	Stonemasons	2.375	2.500
Spray	2.000	2.200	Tile layers	2.500	2.700	Tile layers	2.250	2.375
Stage and structural steel ..	1.875	2.065	<u>Helpers and laborers</u>			<u>Helpers and laborers</u>		
Paperhangers	1.875	2.065	Bricklayers' tenders	1.500	1.650	Bricklayers' tenders	1.500	1.500
Plasterers	2.750	3.000	Building laborers	1.400	1.550	Building laborers	1.200	1.250
Plumbers	2.375	2.500	Elevator constructors' helpers	1.640	1.760	Composition-roofers' helpers	1.100	1.140
Rodmen	2.125	2.338	Plasterers' laborers	1.500	1.650	Marble setters' helpers	1.400	1.450
Roofers, composition	1.750	2.000	<u>YORK, PA.</u>			<u>YOUNGSTOWN, OHIO</u>		
Roofers, slate and tile	1.750	2.000	<u>Journeyman</u>			<u>Journeyman</u>		
Sheet-metal workers	2.100	2.250	Asbestos workers	2.090	2.090	Asbestos workers	2.500	2.625
Sign painters	1.875	1.925	Boilermakers	2.180	2.340	Bricklayers	2.750	2.875
Steam fitters	2.375	2.500	Bricklayers	2.375	2.500	Carpenters	2.375	2.500
Stonemasons	3.000	3.000	Carpenters	1.750	1.875	Millwrights	2.725	2.825
Structural-iron workers	2.125	2.338	Millwrights	2.000	2.125	Parquetry floor layers	2.375	2.500
Tile layers	2.000	2.500	Cement finishers	2.200	2.200	File drivers	2.725	2.825
<u>Helpers and laborers</u>			Electricians (inside wiremen)	2.000	2.150			
Bricklayers' tenders	1.500	1.500						
Rod carriers	1.500	1.500						
Building laborers	1.375	1.375						
Elevator constructors' helpers	1.555	1.785						
Plasterers' laborers	1.500	1.500						
Mortar mixers	1.500	1.500						
Tile layers' helpers	1.500	1.500						

TABLE 14.--Union scales of wages and hours for building trades in 77 cities, July 1, 1950, and July 1, 1951 - Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951		July 1, 1950	July 1, 1951
YOUNGSTOWN, OHIO - Continued			YOUNGSTOWN, OHIO - Continued			YOUNGSTOWN, OHIO - Continued		
<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>			<u>Journeyman - Continued</u>		
Cement finishers	\$2.375	\$2.500	Engineers - Power equipment operators: - Continued			Sign painters	\$2.200	\$2.200
Electricians (inside wiremen)	2.550	2.675	Heavy construction: - Continued			Steam fitters	2.550	2.675
Elevator constructors	2.600	2.700	Light equipment:			Stonemasons	2.750	2.875
Engineers - Power equipment operators:			Compressors, pumps and rollers	\$2.238	\$2.265	Structural-iron workers	2.600	2.725
Building construction:			Glaziers	2.325	2.475	Finishers, ornamental	2.600	2.725
Heavy equipment:			Lathers (wood, wire and metal)	2.550	2.750	Electric welders	2.600	2.725
Carryall scoops, cranes and shovels	2.560	2.665	Marble setters	2.375	2.500	Sheeters	2.850	2.975
Medium equipment:			Mosaic and terrazzo workers	2.375	2.500	Sheeters' buckers-up	2.725	2.850
Bulldozers	2.425	2.475	Painters	2.250	2.375	Tile layers	2.375	2.500
Compressors	2.238	2.265	Structural-iron	2.500	2.625			
Hoists	2.560	2.665	Spray	2.555	2.680	<u>Helpers and laborers</u>		
Light equipment:			Swing, scaffold	2.250	2.500	Bricklayers' tenders	1.750	1.875
Pumps, rollers and welders	2.238	2.265	Paperhangers	2.250	2.375	Building laborers	1.650	1.775
Heavy construction:			Plasterers	2.550	2.750	Elevator constructors' helpers	1.820	1.890
Heavy equipment:			Plumbers	2.550	2.675	Marble setters' helpers	1.720	1.850
Cranes, ditchers and shovels	2.560	2.665	Rodmen	2.600	2.725	Plasterers' laborers	1.850	1.975
Medium equipment:			Roofers, composition	2.375	2.500	Plumbers' laborers	1.750	1.875
Bulldozers	2.425	2.475	Roofers, slate and tile	2.375	2.500	Terrazzo workers' helpers	1.720	1.850
Graders	2.238	2.265	Sheet-metal workers	2.375	2.500	Tile layers' helpers	1.720	1.850
Scoops (carryall)	2.560	2.665						