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Union Wages and Hours: Building Trades

July 1, 1950

Bulletin No. 1011

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., March 15, 1951.

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, 1950.

This report was prepared in the Bureau's Division of Wage Statistics by John F. Laciskey.

EWAN CLAGUE, *Commissioner.*

HON. MAURICE J. TOBIN,
Secretary of Labor.

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Union Wages and Hours in the Building Trades, 1950

Summary

Hourly wage scales of union building trades workers advanced 4.4 percent between July 1, 1949, and July 1, 1950, to reach a new peak as construction activity continued at record levels, according to the Bureau of Labor Statistics' forty-fourth annual survey of union scales in the construction industry. On July 1, 1950, union scales averaged \$2.29 an hour for all building trades workers, \$2.45 for journeymen, and \$1.65 for helpers and laborers. Seventy percent of the union construction workers had their scales raised by contract negotiations effective between July 1, 1949, and July 1, 1950, compared with about 55 percent in the preceding 12 months.

Straight-time weekly hours showed practically no change during the year, averaging 39.3 for all building trades. The most common straight-time work schedule is still a 5-day, 40-hour workweek, and affected about 7 of every 8 union building trades workers.

Scope and Method of Study

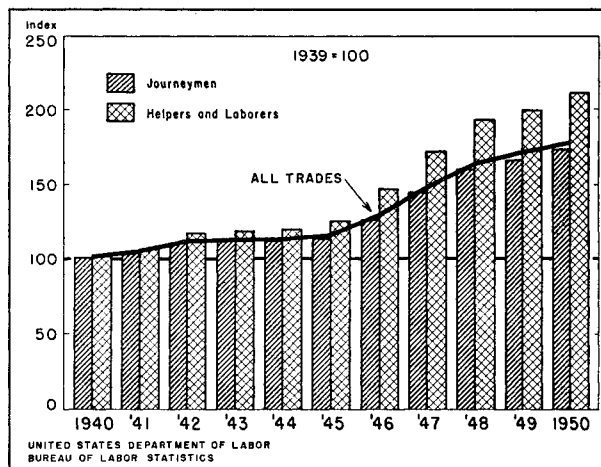
The information presented in this report is based on union scales in effect on July 1, 1950, covering 660,000 journeymen and 165,000 helpers and laborers in 77 cities, ranging in population from 40,000 to over 1 million. Data were obtained primarily from local union officials by mail questionnaire; for a few locals in some cities, they were secured by personal visit of Bureau representatives.

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 other reasons are not included.

Average hourly scales presented in this report are designed to show current levels and are based on wage scales reported in effect on July 1, 1950; individual union scales were weighted by the number of union members reported as working at each

rate. These averages are not strictly comparable with similar averages in previous surveys because of fluctuation in union membership and in classifications studied. Average cents-per-hour and percentage changes from July 1, 1949, to July 1, 1950, were based on comparable quotations for the various occupations in both years, weighted by the membership reported in 1950.

Trend of Union Hourly Wage Scales in Building Trades



Trends in Union Wage Scales

The index of hourly wage scales for union workers in the building trades rose 77.8 percent between June 1, 1939, and July 1, 1950; journeymen advanced 73.2 percent while helpers and laborers moved upward 110.8 percent (table 1).¹ The Bureau's consumers' price index, during the same period, showed an increase of 75 percent. Average scales for journeymen, who constituted four-fifths of the workers studied, advanced slightly less than consumers' prices, while helpers and laborers had increases substantially exceeding the rise in prices.

¹ In the index series, designed for trend purposes, year-to-year 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.

TABLE 1.—Indexes of union hourly wage rates in the building trades, 1907-50

[June 1, 1939=100]				[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	1929: May 15	93.1	93.6	88.8
1908: May 15	31.2	31.6	28.5	1930: May 15	97.0	97.5	93.3
1909: May 15	32.7	33.2	29.5	1931: May 15	97.3	97.8	92.8
1910: May 15	34.0	34.6	30.5	1932: May 15	83.1	83.6	79.2
1911: May 15	34.5	35.2	30.6	1933: May 15	80.8	81.4	75.7
1912: May 15	35.3	36.0	30.9	1934: May 15	81.4	81.8	77.9
1913: May 15	36.1	36.9	31.8	1935: May 15	82.3	82.8	78.3
1914: May 15	36.9	37.7	32.1	1936: May 15	85.3	85.5	82.9
1915: May 15	37.2	38.0	32.4	1937: May 15	91.2	91.4	90.1
1916: May 15	38.4	39.3	33.5	1938: June 1	99.3	99.3	99.2
1917: May 15	40.8	41.5	36.8	1939: June 1	100.0	100.0	100.0
1918: May 15	45.3	45.9	42.6	1940: June 1	101.6	101.4	102.0
1919: May 15	51.9	52.4	49.3	1941: June 1	105.3	105.0	106.8
1920: May 15	70.0	70.1	71.5	1942: July 1	111.9	110.9	117.5
1921: May 15	71.3	71.4	72.2	1943: July 1	112.7	111.5	118.9
1922: May 15	66.9	67.3	65.7	1944: July 1	113.6	112.4	120.3
1923: May 15	73.9	74.2	69.7	1945: July 1	116.0	114.4	125.9
1924: May 15	79.8	80.1	75.4	1946: July 1	129.3	126.8	146.3
1925: May 15	82.9	83.1	77.9	1947: July 1	147.9	144.6	171.1
1926: May 15	88.3	88.7	84.9	1948: July 1	163.5	159.4	192.7
1927: May 15	91.3	91.7	86.4	1949: July 1	170.3	166.1	199.8
1928: May 15	91.9	92.4	87.3	1950: July 1	177.8	173.2	210.8

TABLE 2.—Indexes of union hourly wage rates in each building trade, 1907-50

[June 1, 1939=100]															
Date	Asbes-tos workers	Boiler-makers	Brick-layers	Car-penters	Cement finishers	Electri-cians (inside wire-men)	Eleva-tor con-structors	Gla-ziers	Lath-ers	Ma-chinists	Marble setters	Mosaic and ter-razzo workers	Paint-ers	Paper-hangers	Plas-terers
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	85.7	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

TABLE 2.—Indexes of union hourly wage rates in each building trade, 1907-50—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	50.8	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	109.6
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

¹ Included rodmen prior to 1940.

Of the 77.8 percent rise in union wage scales since June 1, 1939, four-fifths occurred during the 5 years after VJ-day. Since the cessation of hostilities in 1945, minimum union scales of construction trades workers advanced 53 percent. This was substantially less than the 63 percent increase for a somewhat similar period following World War I (May 15, 1918, to May 15, 1923).

The extent of wage adjustments since VJ-day is reflected by a comparison of wage scales in effect on July 1, 1945, and July 1, 1950. Over half of the union journeymen were employed on July 1, 1945, at scales ranging from \$1.50 to \$1.80 an hour, but fewer than 2 percent had scales falling within this range 5 years later. In 1945, about 6 percent of all journeymen were working under agreements with negotiated scales of \$2 or more an hour; whereas on July 1, 1950, all but 6 percent of the journeymen

had union hourly scales of at least \$2, with a majority of them being covered by contracts stipulating hourly scales ranging from \$2.20 to \$2.60. At the close of World War II, over two-fifths of the helpers and laborers had wage scales of less than \$1 an hour, and only two-tenths of 1 percent had scales as high as \$1.50 an hour. In July 1950, less than 4 percent had negotiated scales under \$1 and over 70 percent had an hourly scale of at least \$1.50; for a sixth of the helpers and laborers, the contract scale was \$2 or more an hour.

For the year ending July 1, 1950, union scales advanced 10 cents an hour on the average for all building trade workers, 10 cents for journeymen, and 9 cents for helpers and laborers. The advance amounted to 4.4 percent for all construction workers, 4.2 percent for journeymen, and 5.5 percent for helpers and laborers. (See table 3.)

TABLE 3.—Increases in rates in the building trades, July 1, 1949, to July 1, 1950, and average union hourly wage rates, July 1, 1950

Trade	Amount of increase July 1, 1949, to July 1, 1950		Range of rates July 1, 1950		Average rate per hour July 1, 1950	Trade	Amount of increase July 1, 1949, to July 1, 1950		Range of rates July 1, 1950		Average rate per hour July 1, 1950
	Per cent	Cents per hour	Low	High			Per cent	Cents per hour	Low	High	
All building trades.....	4.4	10			\$2.29	Journeyman—Continued					
Journeyman.....	4.2	10			2.45	Roofers, composition.....	4.1	9	\$1.38	\$3.00	\$2.28
Asbestos workers.....	4.9	12	\$2.09	\$3.00	2.48	Roofers, slate and tile.....	2.3	5	1.50	3.25	2.28
Boilermakers.....	4.6	11	1.90	3.00	2.50	Sheet-metal workers.....	4.9	11	1.75	3.10	2.42
Bricklayers.....	3.7	10	2.25	3.25	2.83	Steam and sprinkler fitters.....	4.3	11	1.85	3.10	2.56
Carpenters.....	4.9	11	1.65	3.00	2.37	Stonemasons.....	6.5	17	2.00	3.25	2.84
Cement finishers.....	4.2	10	1.60	3.25	2.37	Structural-iron workers.....	4.7	11	2.00	3.25	2.53
Electricians (inside wiremen).....	2.5	6	1.50	3.00	2.54	Tile layers.....	2.3	6	1.90	3.00	2.55
Elevator constructors.....	4.8	12	2.12	3.00	2.56	Helpers and laborers.....	5.5	9			1.65
Glaziers.....	5.6	12	1.38	3.00	2.26	Bricklayers' tenders.....	6.9	12	.85	2.45	1.85
Lathers.....	9.4	24	2.00	3.13	2.78	Building laborers.....	5.6	8	.80	2.19	1.55
Machinists.....	1.5	4	2.00	3.00	2.43	Composition roofers' helpers.....	5.0	6	.80	1.70	1.35
Marble setters.....	3.6	9	1.90	3.00	2.55	Elevator constructors' helpers.....	4.7	8	1.48	2.20	1.81
Mosaic and terrazzo workers.....	5.4	13	1.90	3.00	2.58	Marble setters' helpers.....	5.3	9	1.00	2.13	1.72
Painters.....	3.4	8	1.38	3.02	2.26	Plasterers' laborers.....	3.5	6	.85	2.65	1.85
Paperhangers.....	4.0	9	1.38	2.50	2.23	Plumbers' laborers.....	4.5	7	.85	2.10	1.73
Plasterers.....	4.6	12	2.00	3.30	2.80	Terrazzo workers' helpers.....	6.3	12	1.10	2.40	1.97
Plumbers.....	2.4	6	1.85	3.10	2.57	Tile layers' helpers.....	3.4	6	.85	2.20	1.88
Rodmen.....	4.0	9	1.75	3.10	2.36						

TABLE 4.—Percent increases in union wage rates and percent of building trade workers affected, July 1, 1949, to July 1, 1950

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.....	29.6	70.0	0.4	24.7	34.4	9.6	0.2	0.7	0.2	0.2
Journeyman.....	30.8	68.9	.3	28.1	32.1	7.0	.3	.9	.3	.2
Asbestos workers.....	22.5	77.5		11.8	59.8	5.9				
Boilermakers.....	20.1	79.9		40.0	32.9	7.0				
Bricklayers.....	36.9	63.1		21.7	28.3	9.7	.7	1.8	.9	
Carpenters.....	17.2	82.8		41.3	37.2	2.7		1.6		
Cement finishers.....	34.1	64.5	1.4	21.8	30.6	12.1	(1)			
Electricians (inside wiremen).....	39.3	60.7		33.8	23.5	2.9	.5			
Elevator constructors.....	24.9	75.1		20.1	43.5	11.5				
Glaziers.....	18.2	81.8		28.5	39.8	12.9		.6		
Lathers.....	37.2	62.8		4.8	31.2	8.4	.1	1.2	1.2	15.9
Machinists.....	72.9	27.1		12.2	6.3	8.6				
Marble setters.....	44.5	55.3	.2	14.4	28.0	11.7	1.2			
Mosaic and terrazzo workers.....	26.5	72.0	1.5	8.3	58.3	3.6	.6		1.2	
Painters.....	41.3	58.2	.5	24.7	24.5	9.0				
Paperhangers.....	26.3	72.1	1.6	41.9	19.4	10.8				
Plasterers.....	55.7	44.3		9.0	14.8	8.8		2.4	9.3	
Plumbers.....	62.1	36.4	1.5	6.2	20.2	10.0				
Rodmen.....	32.1	67.5	.4	23.9	37.2	3.9	2.5			
Roofers, composition.....	40.0	60.0		10.4	41.2	6.7	1.7			
Roofers, slate and tile.....	63.5	36.5		5.5	25.9	4.4	.7			
Sheet-metal workers.....	25.5	74.5		13.9	43.5	17.1				
Steam and sprinkler fitters.....	42.9	55.1	2.0	5.7	31.1	18.3				
Stonemasons.....	28.6	71.4		3.4	45.7	5.0	.2	16.7	.4	
Structural-iron workers.....	27.8	71.7	.5	24.9	36.0	8.0	2.8			
Tile layers.....	66.1	33.3	.6	1.3	25.6	3.6	2.0		.8	
Helpers and laborers.....	24.9	74.7	.4	11.3	43.2	19.9	.1		.2	
Bricklayers' tenders.....	14.8	85.1	.1	11.0	34.9	39.1		.1		
Building laborers.....	24.8	74.7	.5	10.6	46.2	17.8		.1		
Composition roofers' helpers.....	33.0	60.6	6.4		38.7	21.9				
Elevator constructors' helpers.....	24.5	75.5		22.3	41.4	11.8				
Marble setters' helpers.....	30.3	68.9	.8	4.9	51.7	12.1			.2	
Plasterers' laborers.....	38.8	61.2		17.4	40.4	2.1		1.3		
Plumbers' laborers.....	37.2	62.8		7.2	40.5	14.9				
Terrazzo workers' helpers.....	25.7	72.3	2.0	5.9	49.6	13.6	2.2	1.0		
Tile layers' helpers.....	40.9	58.3	.8	17.7	30.3	7.7	1.8	.8		

Less than 0.05 of 1 percent.

Seven of every 10 union journeymen and 3 of every 4 helpers and laborers in building construction had their wage scale increased by contract negotiations (table 4). For 3 of every 5 journeymen receiving scale advances, the wage adjustment ranged from 5 to 15 cents an hour; for 1 of every 7, the increase was from 25 to 30 cents. Of the helpers and laborers receiving increases between July 1, 1949, and July 1, 1950, about three-fourths had adjustments ranging from 5 to 15 cents and a fifth from 20 to 25 cents an hour (see table 5).

Wage developments during the year covered by the survey undoubtedly were related to the generally prosperous condition of the industry. Building construction activities rose to record levels in 1950 and during the first 8 months of the year expenditures for new construction were about 20 percent greater than in a corresponding period of 1949.² The Bureau's index of whole-

² Bureau of Labor Statistics' series on expenditures for new construction.

sale prices in building materials in July 1950, was about 77 percent above July 1945, and nearly 10 percent higher than July 1949.

Hourly Wage Scales, July 1, 1950

Wage scales in building construction are designed, at least in part, to offset irregularity of employment and to compensate for other conditions that are not encountered by factory workers of comparable skill. The hourly wage scales of construction trades workers are generally higher than those in other industries.

Scales for journeymen averaged \$2.45 an hour on July 1, 1950, and ranged from \$2.23 an hour for paperhangers to \$2.84 for stonemasons. (See table 7.) Other trades which averaged over \$2.70 an hour included lathers (\$2.78), plasterers (\$2.80) and bricklayers (\$2.83).

Helpers' and laborers' scales averaged \$1.65 and varied from \$1.35 for composition roofers' helpers

TABLE 5.—Cents-per-hour increases in union wage rates and percent of building trade workers affected, July 1, 1949, to July 1, 1950

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.....	70.0	1.2	18.8	26.3	7.7	5.3	8.0	0.7	0.9	0.5	0.6
Journeymen.....	68.9	1.2	18.0	24.3	8.9	3.1	10.0	.8	1.2	.7	.7
Asbestos workers.....	77.5		8.7	34.5	18.4	4.0	11.9				
Boilermakers.....	79.9		20.1	34.1	7.7		18.0				
Bricklayers.....	63.1		19.2	17.6	7.1		12.5	3.3	.2	.5	2.7
Carpenters.....	82.8		29.6	25.3	10.9	1.2	14.2	(¹)		1.6	
Cement finishers.....	64.5		20.6	17.7	3.5	6.5	16.2	(¹)			
Electricians (inside wiremen).....	60.7	12.8	13.8	18.0	11.6	1.1	2.9	.5			
Elevator constructors.....	75.1	8.1	11.5	23.1	9.8	7.9	12.7	2.0			
Glaziers.....	81.8	1.4	18.8	28.3	8.8	8.4	15.5	.6			
Lathers.....	62.8		2.8	10.9	7.4	1.3	22.0		.1		18.3
Machinists.....	27.1		5.4	13.1		7.6	1.0				
Marble setters.....	55.3			27.5		.8	11.6	2.6	.4		
Mosaic and terrazzo workers.....	72.0		.5	26.6	9.1	5.3	28.7	.6			1.2
Painters.....	58.2		11.1	28.2	7.3	9.5	2.1				
Paperhangers.....	72.1		15.7	40.5	5.2	9.7	1.0				
Plasterers.....	44.3		3.2	12.7	6.9	1.0	8.8				11.7
Plumbers.....	36.4	.2	3.1	16.3	4.0	2.8	10.0				
Rodmen.....	67.5		17.4	30.3	7.3	1.8	8.2	2.5			
Roofers, composition.....	60.0		1.8	35.4	6.6	3.8	10.9	1.5			
Roofers, slate and tile.....	36.5		4.1	19.6	5.8	.5	6.5				
Sheet-metal workers.....	74.5	2.3	11.1	30.3	13.7	3.6	4.6		8.9		
Steam and sprinkler fitters.....	55.1	.2	2.9	25.8	5.2	2.7	3.6	3.0	11.7		
Stonemasons.....	71.4		3.2	24.3	5.4		19.6	1.6	.2	(¹)	17.1
Structural-iron workers.....	71.7		12.7	29.1	4.0	6.4	11.9	7.6			
Tile layers.....	33.3		1.1	11.3	9.4	5.8	2.9	2.0			.8
Helpers and laborers.....	74.7	1.4	21.8	33.7	3.2	14.3	.2	(¹)			.1
Bricklayers' tenders.....	85.1	.2	19.4	27.6		37.9					
Building laborers.....	74.7	1.3	23.4	36.1	3.2	10.7					
Composition roofers' helpers.....	60.6		12.7	26.0	21.9						
Elevator constructors' helpers.....	75.5	10.7	32.2	7.1		22.7					
Marble setters' helpers.....	68.9		8.8	36.0	18.7	2.8	2.6				
Plasterers' laborers.....	61.2	.3	21.2	36.7	1.7	.2					1.1
Plumbers' laborers.....	62.8	2.3	12.5	35.1	5.7	7.2					
Terrazzo workers' helpers.....	72.3		3.8	25.9	10.6	21.8	10.1	.1			
Tile layers' helpers.....	58.3	14.8	8.2	17.3	11.5	1.5	5.0				

¹ Less than 0.05 of 1 percent.

TABLE 6.—Increases in union wage rates for major building trade groups in 77 cities, July 1, 1949, to July 1, 1950

City	Percent of increase			Cents-per-hour increase			City	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.....	4.4	4.2	5.5	9.7	10.0	8.6	Mobile, Ala.....	0.7	0.8	0	1.3	1.7	0
Atlanta, Ga.....	4.4	4.0	9.8	8.1	7.9	9.5	Newark, N. J.....	1.5	1.2	3.1	4.0	3.6	6.6
Baltimore, Md.....	6.0	5.7	7.8	12.2	12.8	10.1	New Haven, Conn.....	4.9	4.8	5.2	10.2	10.7	8.1
Birmingham, Ala.....	4.0	3.2	9.7	7.3	6.6	9.8	New Orleans, La.....	5.0	4.8	6.8	9.3	9.8	7.2
Boston, Mass.....	3.7	3.1	6.1	8.0	7.3	10.1	New York, N. Y.....	6.3	5.8	9.2	16.6	16.2	18.0
Buffalo, N. Y.....	6.3	6.1	7.5	13.6	14.0	12.5	Norfolk, Va.....	2.1	1.7	12.3	4.0	3.4	10.0
Butte, Mont.....	3.3	2.5	6.4	6.5	5.3	9.3	Oakland, Calif.....	2.9	3.2	.7	6.3	7.4	1.2
Charleston, S. C.....	1.2	.5	20.6	2.3	1.0	16.5	Oklahoma City, Okla.....	4.2	3.4	7.9	8.1	7.4	10.0
Charleston, W. Va.....	3.3	4.3	0	6.5	9.5	0	Omaha, Nebr.....	.1	.1	0	2.4	3.0	0
Charlotte, N. C.....	.5	.6	0	.9	1.1	0	Peoria, Ill.....	.9	1.2	.1	2.0	2.8	1.1
Chattanooga, Tenn.....	1.3	1.5	(¹)	2.2	2.9	2.4	Philadelphia, Pa.....	3.6	3.4	4.2	7.8	8.6	5.9
Chicago, Ill.....	2.8	2.8	2.9	6.8	6.9	5.3	Phoenix, Ariz.....	6.6	5.8	8.3	12.6	12.8	12.3
Cincinnati, Ohio.....	3.1	2.2	6.9	6.6	5.0	10.9	Pittsburgh, Pa.....	7.5	7.6	6.8	16.9	19.0	10.8
Cleveland, Ohio.....	6.6	6.6	6.9	15.5	16.0	12.9	Portland, Maine.....	1.1	.7	4.0	1.9	1.2	5.0
Columbus, Ohio.....	4.4	4.3	5.0	9.1	9.6	7.5	Portland, Oreg.....	.2	.3	0	.5	.6	0
Dallas, Tex.....	2.9	3.5	0	5.4	7.8	0	Providence, R. I.....	7.3	7.5	6.7	14.1	15.3	10.1
Dayton, Ohio.....	.8	.9	.2	1.8	2.2	3.2	Reading, Pa.....	3.5	3.5	3.6	7.1	7.7	5.1
Denver, Colo.....	5.9	7.3	3.2	11.4	16.2	5.0	Richmond, Va.....	2.5	2.7	(¹)	4.7	5.5	.4
Des Moines, Iowa.....	7.0	7.0	6.6	13.7	14.9	10.0	Rochester, N. Y.....	4.8	4.4	6.1	10.0	10.1	9.8
Detroit, Mich.....	6.7	6.7	7.1	15.3	15.8	12.3	Rock Island (Ill.) district ²	4.4	3.4	8.1	8.8	7.4	12.5
Duluth, Minn.....	7.1	7.1	7.5	13.2	13.8	10.2	St. Louis, Mo.....	3.2	2.5	6.4	7.2	6.2	10.5
El Paso, Tex.....	4.4	3.2	10.3	7.7	6.7	9.9	St. Paul, Minn.....	3.8	3.4	4.7	7.2	7.3	7.0
Eric, Pa.....	5.1	5.9	1.6	10.1	12.3	2.5	Salt Lake City, Utah.....	4.9	5.1	4.2	9.0	10.0	5.7
Grand Rapids, Mich.....	5.4	4.9	8.6	10.7	10.4	12.0	San Antonio, Tex.....	1.9	1.3	6.4	3.6	2.8	6.8
Houston, Tex.....	5.9	5.5	10.4	11.9	11.8	12.2	San Francisco, Calif.....	2.8	3.0	1.6	6.2	6.9	2.5
Indianapolis, Ind.....	1.6	1.8	.7	3.3	4.2	1.1	Savannah, Ga.....	1.2	1.3	(¹)	2.0	2.6	1.7
Jackson, Miss.....	2.6	2.9	0	4.6	5.6	0	Scranton, Pa.....	4.7	3.4	8.0	9.1	8.4	11.1
Jacksonville, Fla.....	.4	.6	-3.3	7.1	11.2	-2.9	Seattle, Wash.....	.4	.4	.7	.9	.8	1.2
Kansas City, Mo.....	3.0	3.1	2.6	6.5	6.9	4.2	South Bend, Ind.....	.3	.4	(¹)	.6	.9	(¹)
Knoxville, Tenn.....	3.1	3.6	(¹)	5.3	7.4	.1	Spokane, Wash.....	.8	.9	0	1.7	2.0	0
Little Rock, Ark.....	2.8	3.0	.4	5.3	5.8	4.2	Springfield, Mass.....	2.4	1.6	5.3	4.6	3.5	7.5
Los Angeles, Calif.....	5.2	5.2	4.6	10.9	11.5	7.3	Syracuse, N. Y.....	2.8	2.6	3.6	5.6	5.9	5.2
Louisville, Ky.....	3.0	2.9	3.5	6.1	6.5	4.9	Toledo, Ohio.....	7.1	7.1	7.2	15.2	16.6	12.4
Manchester, N. H.....	7.6	7.7	7.2	13.4	14.9	9.5	Washington, D. C.....	3.4	2.9	5.9	7.6	7.4	8.4
Memphis, Tenn.....	3.1	3.3	2.0	5.3	6.6	1.9	Wichita, Kans.....	5.3	4.3	9.6	9.9	8.9	12.3
Miami, Fla.....	0	0	0	0	0	0	Worcester, Mass.....	5.2	5.8	.1	10.2	12.0	.2
Milwaukee, Wis.....	12.9	13.2	11.8	25.7	27.5	19.1	York, Pa.....	7.1	5.9	11.0	11.1	10.4	12.5
Minneapolis, Minn.....	3.2	3.0	4.3	6.4	6.4	6.6	Youngstown, Ohio.....	6.6	6.6	6.4	14.0	15.5	10.1

¹ Less than 0.05 of 1 percent.

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

³ Less than 1 mill.

to \$1.97 for terrazzo workers' helpers. Except for building laborers, who averaged \$1.55 an hour, all other classifications had hourly scales averaging \$1.72 or more.

City and Regional Variations

Inasmuch as scale negotiations in the building construction industry are generally conducted locally, wage scales have always varied from city to city except where union jurisdiction covers broad geographic areas or several adjacent towns. The general level of wages in a locality and the extent of unionization also influence variations in scales. A rise in construction activity in an area, with a resultant demand for skilled workmen, may also be a contributing factor in scale advances.

Scales for individual journeymen crafts varied widely among the 77 cities covered in the survey.

Carpenters, for example, ranged from \$1.65 an hour in Portland, Maine, and Charlotte, N. C., to \$3 in New York City on July 1, 1950.

Within cities, union scales for the 24 journeymen trades showed considerable variation. The differential and range of union scales of journeymen trades within typical cities in various sections of the country is illustrated in the following tabulation.

City	Scale range	Difference	
		Cents per hour	Percent
Atlanta.....	\$1.50-\$2.60	110	73
Boston.....	2.10- 2.85	75	36
Chicago.....	2.45- 2.90	45	18
Dallas.....	1.75- 3.12½	137½	79
New York.....	2.45- 3.25	80	33
San Francisco....	2.08- 3.00	92	44

For the nine helper and laborer classifications the differences between the high and low scales

TABLE 7.—Distribution of union members in the building trades, by hourly wage rates, July 1, 1950

Trade	Average rate per hour	Percent of union journeymen whose rates (in cents) per hour were—																	
		Under 160	160 and under 170	170 and under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and under 240	240 and under 250	250 and under 260	260 and under 270	270 and under 280	280 and under 290	290 and under 300	300 and under 310	310 and under 320	320 and over
Journeymen.....	\$2.446	0.1	0.4	0.9	1.9	2.4	3.7	12.0	12.3	10.7	10.3	20.5	4.5	5.5	1.0	0.2	9.5	2.0	2.1
Asbestos workers.....	2.484						.2	1.0	14.8	29.6	10.5	18.0	14.5		3.0		8.4		
Boilermakers.....	2.500					.1		(¹)		26.5	28.3	15.3	6.4	4.7			11.0		
Bricklayers.....	2.830								1.1	7.7	3.9	20.5	6.6	25.4	.9	.4	18.1	1.0	21.4
Carpenters.....	2.371		.6	1.5	2.2	4.7	3.8	21.4	14.8	8.2	2.6	22.1	1.6	2.8			13.7		
Cement finishers.....	2.371		.7	.5	2.8	2.1	5.9	13.5	19.1	11.0	15.2	12.2	1.5	6.4			8.2		.9
Electricians (inside wiremen)	2.542	(¹)			.2	.5	.9	1.0	5.7	13.2	16.3	33.8	6.0	5.0	3.9		13.5		
Elevator constructors.....	2.564							.3	3.1	14.1	18.9	33.5	2.8	8.3	7.9	6.6	4.5		
Glaziers.....	2.256	.3	.7	4.2	8.1	5.1	19.2	18.6	10.1	7.8		4.1	10.7				11.1		
Lathers.....	2.776						.6	.1	5.0	4.3	4.3	19.4	.8	12.3	13.8		22.6	16.8	
Machinists.....	2.430						1.5	1.5	20.3	8.3	7.1	55.4	2.4	3.5					
Marble setters.....	2.547					1.8	1.8	.2	5.0	11.6	1.8	41.1	4.9	29.2			2.6		
Mosaic and terrazzo workers.....	2.578					1.2	2.8	.6	11.2	12.7	7.3	27.1	6.1	5.3			25.7		
Painters.....	2.262	.4	1.0	1.6	5.6	2.0	8.5	16.5	16.0	11.0	28.1	8.2							
Paperhangers.....	2.227	.9	.1	1.3	7.1	4.9	11.3	15.1	11.0	19.7	27.6	1.0				.2	.1		
Plasterers.....	2.801						.8	.7	6.5	1.0	3.8	23.4	3.5	12.0	5.9		12.7	9.3	20.4
Plumbers.....	2.569				.2			1.4	4.6	14.7	23.2	24.5	6.4	6.1	1.0		11.8	6.1	
Rodmen.....	2.358			1.3	.6	1.7	8.8	15.7	22.0	7.3	10.5	11.9	8.8	5.4			4.6	1.4	
Roofers, composition.....	2.284	1.0	2.9	3.8	2.3	4.6	13.0	6.9	26.8	8.9	4.0	6.7	8.8		1.5		8.8		
Roofers, slate and tile.....	2.283	.1	.7	1.0	2.8	10.6	6.1	2.6	49.3	5.1	2.8	4.8	2.1	5.4	.4		4.1		2.1
Sheet-metal workers.....	2.421			.7	1.1	.3	4.3	7.5	22.6	18.0	7.8	12.1	15.0	1.7				8.9	
Steam and sprinkler fitters.....	2.557				.1		.7	1.6	4.0	17.4	10.4	34.0	9.6	9.7	.8			11.7	
Stonemasons.....	2.835						.1		.5	6.6	3.9	7.6	19.4	30.6	.1		15.6	.4	21.2
Structural-iron workers.....	2.530						1.9	4.7	13.2	19.4	7.5	16.5	12.8	8.4	3.4	1.9	3.0	.8	6.5
Tile layers.....	2.545					.7	3.0	.2	5.1	6.6	2.7	45.5	11.0	24.4			.8		

Trade	Average rate per hour	Percent of union helpers and laborers whose rates (in cents) per hour were—																
		Under 90	90 and under 100	100 and under 110	110 and under 120	120 and under 130	130 and under 140	140 and under 150	150 and under 160	160 and under 170	170 and under 180	180 and under 190	190 and under 200	200 and under 210	210 and under 220	220 and under 230	230 and under 240	240 and over
Helpers and laborers.....	\$1.646	0.6	3.1	3.9	2.1	2.1	6.1	10.0	17.2	11.1	11.6	10.0	5.7	2.3	12.0	0.7	0.7	0.8
Bricklayers' tenders.....	1.850	.2	.6	1.6	2.5	2.7	1.8	3.4	5.4	5.7	10.3	18.8	9.0	.8	35.9			1.3
Building laborers.....	1.549	.7	4.4	5.0	2.0	1.8	8.3	13.4	23.1	13.4	11.6	5.4	3.7					
Composition roofers' helpers.....	1.349	9.1		6.9	15.2				21.1	40.5	4.4	2.8						
Elevator constructors' helpers.....	1.807							.1	2.4	16.5	50.1	7.3	10.0	7.1		6.5		
Marble setters' helpers.....	1.719			10.6	1.6	.8	2.4	1.3	2.9	18.2	11.4	13.0	17.6	12.5	7.7			
Plasterers' laborers.....	1.846	.4	1.1	2.2	3.1	4.5	1.5	3.1	6.2	1.0	6.8	23.4	11.5	10.7	8.8	2.7	8.3	4.7
Plumbers' laborers.....	1.728	.7	1.2	1.8		2.2	3.4	5.9	8.1	19.8	13.1	14.3	7.7	18.9	2.9			
Terrazzo workers' helpers.....	1.965				.3	2.0		1.2	2.7	6.7	19.9	12.7	9.6	12.6	6.2	5.0	1.5	19.6
Tile layers' helpers.....	1.878	.4		1.0	.3	.8	.6	.7	2.5	9.8	10.5	26.2	9.6	21.7		15.9		

¹ Less than 0.05 of 1 percent.

were narrower than those for journeymen in each of the above cities except Chicago and San Francisco. In the latter cities differences were 33 and 68 percent, respectively, and in the other 4 cities they ranged from 13 percent in Boston to 62½ percent in Atlanta.

Wage scales of organized journeymen in the construction trades averaged at least \$2 in all cities except six, and ranged from \$1.80 in Portland, Maine, to \$2.96 in New York City; Newark and New York were the only cities in which helpers and laborers averaged in excess of \$2 an hour. The respective averages were \$2.19 and \$2.13. (See table 8.)

Except for a few cities, there was no consistent relationship between the scale levels of journeymen and helpers and laborers. Pittsburgh, for example, had the highest average scale for journeymen in the

500,000 to 1,000,000 population size group, but was sixth for helpers and laborers. Cleveland ranked first for helpers and laborers but third for journeymen.

When the cities included in the survey are grouped according to population, it is clearly indicated that the average hourly wage scales are typically higher in the larger metropolitan centers, and that the average scale ranked in descending order according to the city-size grouping. Highest average scales for both journeymen and helpers and laborers were in the largest sized group of cities and lowest in the smallest. The difference between the average scales of journeymen and of helpers and laborers in each size group closely approximates the 80-cent differential of all cities regardless of size.

On a regional basis, average union hourly wage

TABLE 8.—Average union hourly wage rates in the building trades, by city and population group, July 1, 1950

City and population group	Average hourly rate	City and population group	Average hourly rate
JOURNEYMEN		HELPERS AND LABORERS	
Population group I (1,000,000 and over):		Population group I (1,000,000 and over):	
New York, N. Y.	\$2.964	New York, N. Y.	\$2.134
<i>Average for group I</i>	<i>2.621</i>	<i>Average for group I</i>	<i>1.856</i>
Philadelphia, Pa.	2.590	Chicago, Ill.	1.855
Chicago, Ill.	2.526	Detroit, Mich.	1.851
Detroit, Mich.	2.517	Los Angeles, Calif.	1.650
Los Angeles, Calif.	2.316	Philadelphia, Pa.	1.460
Population group II (500,000 to 1,000,000):		Population group II (500,000 to 1,000,000):	
Pittsburgh, Pa.	2.691	Cleveland, Ohio.	1.989
Washington, D. C.	2.614	Milwaukee, Wis.	1.810
Cleveland, Ohio.	2.604	Buffalo, N. Y.	1.807
St. Louis, Mo.	2.531	Boston, Mass.	1.765
<i>Average for group II</i>	<i>2.495</i>	St. Louis, Mo.	1.743
Buffalo, N. Y.	2.444	<i>Average for group II</i>	<i>1.717</i>
Boston, Mass.	2.443	Pittsburgh, Pa.	1.698
Baltimore, Md.	2.380	San Francisco, Calif.	1.649
Milwaukee, Wis.	2.360	Washington, D. C.	1.601
San Francisco, Calif.	2.351	Baltimore, Md.	1.389
Population group III (250,000 to 500,000):		Population group III (250,000 to 500,000):	
Newark, N. J.	2.913	Newark, N. J.	2.188
Toledo, Ohio.	2.500	Toledo, Ohio.	1.861
Rochester, N. Y.	2.385	Seattle, Wash.	1.839
Denver, Colo.	2.380	Portland, Oreg.	1.727
Indianapolis, Ind.	2.356	Rochester, N. Y.	1.701
Oakland, Calif.	2.349	Cincinnati, Ohio.	1.688
Columbus, Ohio.	2.345	Oakland, Calif.	1.685
Cincinnati, Ohio.	2.325	Kansas City, Mo.	1.659
Seattle, Wash.	2.316	Providence, R. I.	1.613
Kansas City, Mo.	2.300	Denver, Colo.	1.594
<i>Average for group III</i>	<i>2.293</i>	Columbus, Ohio.	1.593
Dallas, Tex.	2.284	Minneapolis, Minn.	1.590
Houston, Tex.	2.277	Indianapolis, Ind.	1.580
Louisville, Ky.	2.262	St. Paul, Minn.	1.560
Minneapolis, Minn.	2.208	<i>Average for group III</i>	<i>1.543</i>
Portland, Oreg.	2.208	Louisville, Ky.	1.476
Providence, R. I.	2.199	Houston, Tex.	1.296
St. Paul, Minn.	2.188	New Orleans, La.	1.147
San Antonio, Tex.	2.178	San Antonio, Tex.	1.132
Birmingham, Ala.	2.131	Birmingham, Ala.	1.115
New Orleans, La.	2.120	Dallas, Tex.	1.101
Atlanta, Ga.	2.066	Atlanta, Ga.	1.072
Memphis, Tenn.	2.039	Memphis, Tenn.	.990
Population group IV (100,000 to 250,000):		Population group IV (100,000 to 250,000):	
Youngstown, Ohio.	2.492	Peoria, Ill.	1.712
Dayton, Ohio.	2.364	Youngstown, Ohio.	1.689
Peoria, Ill.	2.355	South Bend, Ind.	1.674
New Haven, Conn.	2.341	Rock Island (Ill.) district ¹	1.670
Syracuse, N. Y.	2.307	Spokane, Wash.	1.656
Oklahoma City, Okla.	2.284	New Haven, Conn.	1.653
Reading, Pa.	2.279	Des Moines, Iowa.	1.615
Spokane, Wash.	2.277	Dayton, Ohio.	1.596
South Bend, Ind.	2.276	Erie, Pa.	1.564
Rock Island (Ill.) district ¹	2.268	Grand Rapids, Mich.	1.521
Des Moines, Iowa.	2.263	Scranton, Pa.	1.508
Grand Rapids, Mich.	2.228	Syracuse, N. Y.	1.505
Miami, Fla.	2.217	Springfield, Mass.	1.498
Springfield, Mass.	2.215	Duluth, Minn.	1.461
Scranton, Pa.	2.213	Reading, Pa.	1.454
Erie, Pa.	2.205	Worcester, Mass.	1.436
<i>Average for group IV</i>	<i>2.198</i>	Salt Lake City, Utah.	1.411
Wichita, Kans.	2.181	Wichita, Kans.	1.409
Worcester, Mass.	2.165	<i>Average for group IV</i>	<i>1.394</i>
Omaha, Nebr.	2.157	Oklahoma City, Okla.	1.368
Knoxville, Tenn.	2.104	Omaha, Nebr.	1.357
Duluth, Minn.	2.092	Miami, Fla.	1.054
Richmond, Va.	2.087	Chattanooga, Tenn.	1.018
Salt Lake City, Utah.	2.056	Richmond, Va.	.987
Norfolk, Va.	2.039	Knoxville, Tenn.	.956
Chattanooga, Tenn.	2.011	Norfolk, Va.	.909
Jacksonville, Fla.	1.984	Charlotte, N. C.	.873
Charlotte, N. C.	1.853	Jacksonville, Fla.	.868
Population group V (40,000 to 100,000):		Population group V (40,000 to 100,000):	
Phoenix, Ariz.	2.338	Phoenix, Ariz.	1.610
Charleston, W. Va.	2.329	Butte, Mont.	1.561
Butte, Mont.	2.194	Manchester, N. H.	1.405
El Paso, Tex.	2.182	Charleston, W. Va.	1.398
<i>Average for group V</i>	<i>2.118</i>	<i>Average for group V</i>	<i>1.355</i>
Mobile, Ala.	2.087	Portland, Maine.	1.307
Manchester, N. H.	2.073	York, Pa.	1.258
Little Rock, Ark.	2.030	Mobile, Ala.	1.063
Jackson, Miss.	2.014	El Paso, Tex.	1.061
Savannah, Ga.	1.987	Charleston, S. C.	.962
Charleston, S. C.	1.964	Little Rock, Ark.	.955
York, Pa.	1.879	Jackson, Miss.	.920
Portland, Maine.	1.799	Savannah, Ga.	.879

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

scales for all building trades workers on July 1, 1950, ranged from \$1.87 in the Southeast to \$2.58 in the Middle Atlantic States. (See table 9.) Only two regions—Middle Atlantic and Great Lakes—had levels exceeding the national average of \$2.29. Thirty of the 77 cities studied were in these two regions.

Levels of union scales for all journeymen trades combined ranged from \$2.08 in the Southeast to \$2.80 in the Middle Atlantic. Except for lathers and paperhangers, the average scale for each of the 24 journeymen trades studied was highest in the Middle Atlantic region. The lowest level for each trade was generally in the Southeast region.

Regional levels of all helper and laborer classifications combined were as high as \$1.87 in the

Middle Atlantic and as low as \$1.01 in the Southeast. In five of the nine helper and laborer classifications studied in the Middle Atlantic region, the level exceeded \$2 an hour. Plasterers' laborers and bricklayers' tenders in the Pacific region also had levels above \$2. Building laborers and composition roofers' helpers in the Southeast, with average scales of 97 and 92 cents, respectively, were the only classifications below \$1 an hour.

Standard Workweek

Changes in straight-time weekly hours between July 1, 1949, and July 1, 1950, increased the average straight-time workweek in the building trades to 39.3 hours and raised the index a tenth of 1 percent to 100.3. (See table 10.) Only 3

TABLE 9.—Average union wage rates in the building trades, by region,¹ July 1, 1950

Trade	United States	Region								
		New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Moun-tain	Pacific
All building trades.....	\$2.29	\$2.15	\$2.58	\$2.16	\$1.87	\$2.34	\$2.23	\$2.01	\$2.01	\$2.21
Journeymen.....	2.45	2.30	2.80	2.39	2.08	2.46	2.38	2.22	2.28	2.31
Asbestos workers.....	2.48	2.41	2.79	2.34	2.27	2.46	2.44	2.37	2.29	2.39
Boilermakers.....	2.50	2.45	2.85	2.37	2.35	2.47	2.36	2.25	2.41	2.43
Bricklayers.....	2.83	2.64	3.15	2.88	2.50	2.63	2.83	2.82	2.87	2.87
Carpenters.....	2.37	2.14	2.81	2.30	1.91	2.46	2.31	2.07	2.20	2.18
Cement finishers.....	2.37	2.59	2.77	2.23	2.01	2.35	2.35	2.11	2.20	2.22
Electricians (inside wiremen).....	2.54	2.43	2.89	2.43	2.32	2.51	2.46	2.41	2.37	2.48
Elevator constructors.....	2.56	2.47	2.83	2.63	2.35	2.52	2.43	2.44	2.41	2.54
Glaziers.....	2.26	2.17	2.57	2.12	1.87	2.32	2.27	1.88	1.95	2.10
Lathers.....	2.78	2.77	2.85	2.73	2.33	2.57	2.52	2.76	2.74	3.03
Machinists.....	2.43	2.25	2.57	2.35	2.25	2.45	2.41	2.35	2.10	2.45
Marble setters.....	2.55	2.40	2.67	2.65	2.38	2.48	2.46	2.43	2.50	2.53
Mosaic and terrazzo workers.....	2.58	2.34	2.90	2.53	2.40	2.45	2.48	2.29	2.69	2.32
Painters.....	2.26	1.98	2.40	2.05	1.89	2.33	2.17	2.00	2.08	2.32
Paperhangers.....	2.23	1.77	2.19	1.90	1.99	2.34	2.08	1.92	2.12	2.31
Plasterers.....	2.80	2.70	3.09	2.75	2.33	2.58	2.70	2.67	2.94	2.98
Plumbers.....	2.57	2.39	2.92	2.40	2.41	2.48	2.48	2.36	2.39	2.49
Rodmen.....	2.36	2.52	2.72	2.31	2.04	2.44	2.39	2.06	2.15	2.21
Roofers, composition.....	2.28	2.29	2.63	1.95	1.78	2.35	2.23	1.87	2.11	2.24
Roofers, slate and tile.....	2.28	2.39	2.75	2.31	1.90	2.40	2.13	1.93	2.13	2.24
Sheet-metal workers.....	2.42	2.39	2.79	2.33	1.99	2.42	2.49	2.31	2.16	2.27
Steam and sprinkler fitters.....	2.56	2.40	2.90	2.40	2.35	2.50	2.53	2.37	2.35	2.47
Stonemasons.....	2.84	2.67	2.99	2.97	2.51	2.65	2.71	2.86	2.83	2.84
Structural-iron workers.....	2.53	2.55	2.86	2.59	2.19	2.52	2.34	2.24	2.20	2.39
Tile layers.....	2.55	2.41	2.72	2.53	2.36	2.48	2.43	2.35	2.63	2.56
Helpers and laborers.....	1.65	1.65	1.87	1.42	1.01	1.75	1.66	1.19	1.58	1.68
Bricklayers' tenders.....	1.85	1.65	2.06	1.48	1.07	1.80	1.70	1.34	1.81	2.03
Building laborers.....	1.55	1.64	1.73	1.37	.97	1.69	1.61	1.11	1.49	1.60
Composition roofers' helpers.....	1.35	1.50	1.55	.92	.92	1.50	1.10	1.10	1.10	1.10
Elevator constructors' helpers.....	1.81	1.73	2.02	1.86	1.64	1.76	1.72	1.70	1.70	1.76
Marble setters' helpers.....	1.72	1.77	1.84	1.81	1.04	1.87	1.64	1.34	1.68	1.88
Plasterers' laborers.....	1.85	1.76	2.05	1.68	1.12	1.96	1.83	1.43	1.83	2.26
Plumbers' laborers.....	1.73	1.81	1.81	1.47	1.12	1.82	1.79	1.16	1.66	1.74
Terrazzo workers' helpers.....	1.97	1.80	2.24	1.76	1.10	1.96	1.79	1.23	1.70	1.86
Tile layers' helpers.....	1.88	1.78	2.06	1.87	1.01	1.84	1.66	1.29	1.71	1.91

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 10.—Indexes of union weekly hours in the building trades, 1907-50

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

TABLE 11.—Indexes of union weekly hours in each building trade, 1907-50

[June 1, 1939=100]

Date	Asbestos workers	Boiler makers	Brick-layers	Car-penters	Cement finishers	Electricians (inside wire-men)	Elevator constructors	Glaziers	Lathers	Machinists	Marble setters	Mosaic and terrazzo workers	Painters	Paper-hangers	Plas-terers
1907: 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		125.1
1910: May 15			115.6	116.4	122.3	121.8					111.6		127.5		125.8
1911: May 15			115.1	115.8	121.1	121.6					111.1		126.7		124.3
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	100.5	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

TABLE 11.—Indexes of union weekly hours in each building trade, 1907-50—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	Tilelayers' 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	98.0	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	99.7	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

¹ Included rodmen prior to 1940.

TABLE 12.—Distribution of union members in the building trades, by straight-time weekly hours, July 1, 1950

Trade	Average hours per week	Percent of union members having workweeks of—				Trade	Average hours per week	Percent of union members having workweeks of—							
		30 hours	35 hours	40 hours	Over 40 hours			30 hours	35 hours	40 hours	Over 40 hours				
All building trades	39.3	0.9	12.6	86.5	(¹)	Journeyman—Continued									
Journeyman	39.3	.7	13.0	86.3	(¹)	Roofers, composition	39.5		10.3	89.3					0.4
Asbestos workers	39.6		8.4	91.6		Roofers, slate and tile	40.0			100.0					
Boilermakers	40.0			100.0		Sheet-metal workers	39.5			10.6					
Bricklayers	38.8	1.1	22.1	76.8		Steam and sprinkler fitters	39.4	.1	11.7	88.2					
Carpenters	39.3	.2	13.1	86.7		Stonemasons	39.2	.8	14.0	85.2					
Cement finishers	39.5	(¹)	9.1	90.9		Structural-iron workers	39.8		3.0	97.0					
						Tile layers	40.0			100.0					
Electricians (inside wiremen)	39.4	.1	12.5	87.4		Helpers and laborers	39.3	1.6	11.3	86.9					.2
Elevator constructors	40.0			100.0		Bricklayers' tenders	38.2	.2	36.0	63.8					
Glaziers	39.4		11.1	88.9		Building laborers	39.7		7.2	92.5					.3
Lathers	38.5	5.6	19.0	75.4		Composition roofers' helpers	39.7		5.5	94.5					
Machinists	40.0			100.0		Elevator constructors' helpers	40.0			100.0					
Marble setters	40.0			100.0		Marble setters' helpers	40.0	.5		99.5					
Mosaic and terrazzo workers	40.0			100.0		Plasterers' laborers	38.0	19.3	2.0	78.7					
Painters	39.0		19.9	80.1		Plumbers' laborers	40.0			100.0					
Paperhangers	39.9		2.3	97.4	0.3	Terrazzo workers' helpers	40.0	.4		99.6					
Plasterers	37.8	21.7	1.4	76.9		Tile layers' helpers	40.0	.1		99.9					
Plumbers	39.1	.2	17.9	81.9											
Rodmen	39.8		4.6	95.4											

¹ Less than .05 of 1 percent.

journeymen crafts—lathers, plasterers, and plumbers—were affected by revisions in work schedules. Probably because of the amount of work available for these crafts in a few areas the number of hours at straight-time increased from 30 to 35 or 40 per week to more than offset the decreases from 40 to 35 hours a week.

On July 1, 1950, about 7 of every 8 building construction workers had a 40-hour standard workweek. A 35-hour work schedule prevailed for about a fifth of the bricklayers, lathers, painters and plumbers, and for over a third of the brick-

layers' tenders. (See table 12.) Whereas, only 1 percent of the construction workers had a straight-time workweek of 30 hours, about a fifth of the plasterers and plasterers' laborers were on this schedule.

Union Scales by City and Trade

Table 14 presents union scales of wages and hours in effect on July 1, 1949, and July 1, 1950 for the individual trades in each of 77 cities included in the study.

TABLE 13.—Percent of union members affected by changes in straight-time weekly hours, by trade, July 1, 1950, compared with July 1, 1949

Trade	Percent of union members affected by—			Trade	Percent of union members affected by—		
	No change	Increase	Decrease		No change	Increase	Decrease
All building trades.....	99.0	0.7	0.3	Journeymen—Continued			
Journeymen.....	98.8	.9	.3	Roofers, composition.....	100.0		
Asbestos workers.....	100.0			Roofers, slate and tile.....	100.0		
Boilermakers.....	100.0			Sheet-metal workers.....	100.0		
Bricklayers.....	100.0			Steam and sprinkler fitters.....	100.0		
Carpenters.....	100.0			Stonemasons.....	100.0		
Cement finishers.....	100.0			Structural-iron workers.....	100.0		
Electricians (inside wiremen).....	100.0			Tile layers.....	100.0		
Elevator constructors.....	100.0			Helpers and laborers.....	100.0		
Glaziers.....	100.0			Bricklayers' tenders.....	100.0		
Lathers.....	83.7	13.4	2.9	Building laborers.....	100.0		
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.....	100.0			Plasterers' laborers.....	100.0		
Paperhangers.....	100.0			Plumbers' laborers.....	100.0		
Plasterers.....	91.4	8.6		Terrazzo workers' helpers.....	100.0		
Plumbers.....	82.5	11.4	6.1	Tile layers' helpers.....	100.0		
Rodmen.....	100.0						

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950

[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, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
ATLANTA, GA.			ATLANTA, GA.—Continued			ATLANTA, GA.—Continued		
<i>Journeymen</i>			<i>Journeymen—Continued</i>			<i>Journeymen—Continued</i>		
Asbestos workers.....	\$2.125	\$2.250	Engineers—Power equipment operators—Continued			Glaziers.....	\$1.750	\$1.850
Boilermakers.....	2.250	2.350	Hoists:			Lathers.....	2.250	2.250
Bricklayers.....	2.500	2.500	1 drum.....	\$1.750	\$1.750	Machinists.....	2.125	2.250
Carpenters.....	1.775	1.875	2 drums.....	1.750	2.000	Mosaic and terrazzo workers.....	2.500	2.500
Millwrights and pile drivers.....	1.900	1.900	3 drums.....	1.750	2.250	Painters, brush.....	1.750	1.850
Cement finishers.....	2.100	2.100	Locomotives.....	1.675	1.750	Structural steel and swinging stage.....		
Electricians (inside wiremen).....	2.250	2.250	Mixers:			Paperhangers.....	2.000	2.100
Elevator constructors.....	2.325	2.325	Under 10S.....	1.500	1.500	Plasterers.....	2.250	2.250
Engineers—Power equipment operators:			10S and over.....	1.675	1.750	Plumbers.....	2.500	2.600
Air compressors:			Pile drivers.....	2.000	2.250	Rodmen.....	1.875	2.000
Portable.....	1.400	1.500	Pumps.....	1.400	1.500	Roofers, composition.....	1.500	1.500
Stationary.....	1.500	1.500	Rollers.....	1.500	1.500	Roofers, slate and tile.....	1.500	1.500
Bulldozers:			Scrapers.....	1.500	1.750	Sheet-metal workers.....	1.850	2.000
Under 40 horsepower.....	1.500	1.500	Shovels.....	2.000	2.250	Sign painters.....	2.000	2.000
40 horsepower and over.....	1.600	1.750	Tractors:			Steam fitters.....	2.500	2.600
Cranes and derricks.....	2.000	2.250	40 horsepower and under.....	1.400	1.500	Stonemasons.....	2.500	2.500
Cranes and derricks.....	2.000	2.250	Over 40 horsepower.....	1.500	1.750			
Draglines.....	2.000	2.250	Trenching machines.....	2.000	2.000			
Graders, elevating.....	2.000	2.250						

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
ATLANTA GA.—Continued			BIRMINGHAM, ALA.			BOSTON, MASS.—Continued		
<i>Journeyman—Continued</i>			<i>Journeyman</i>			<i>Journeyman—Continued</i>		
Structural and ornamental-iron workers.....	\$2.125	\$2.250	Asbestos workers.....	\$2.050	\$2.250	Engineers—Power equipment operators—Continued.....		
Tile layers.....	2.500	2.500	Bricklayers.....	2.500	2.750	Heavy construction:		
<i>Helpers and laborers</i>			Carpenters.....	1.900	1.900	Heavy equipment:		
Bricklayers' tenders.....	1.000	1.100	Millwrights.....	2.025	2.025	Power shovels, pile drivers, lighters.....	\$2.600	\$2.600
Building laborers.....	.900	1.000	Cement finishers.....	2.075	2.175	Medium equipment:		
Elevator constructors' helpers.....	1.625	1.625	Electricians (inside wiremen).....	2.250	2.250	Concrete mixers, steam boilers, bulldozers.....	2.225	2.225
Plasterers' laborers.....	1.000	1.100	Elevator constructors.....	2.255	2.255	Light equipment:		
Plumbers' laborers.....	.900	1.000	Engineers—Power equipment operators:			Pumps, compressors, welding machines.....	2.150	2.150
BALTIMORE, MD.			Air compressors.....	1.750	1.850	Glaziers.....	2.100	2.225
<i>Journeyman</i>			Bulldozers.....	1.900	2.000	Granite cutters.....	2.500	2.775
Asbestos workers.....	2.125	2.250	Cranes, derricks, and draglines.....	2.125	2.225	Lathers.....	2.700	2.850
Boilermakers.....	2.250	2.375	Finishing machine.....	1.750	1.850	Machinists.....	2.250	2.250
Bricklayers.....	3.000	3.000	Graders:			Marble setters.....	2.375	2.525
Carpenters.....	2.200	2.350	Blade.....	1.850	1.950	Mosaic and terrazzo workers.....	2.375	2.525
Parquetry floor layers, wharf and bridge millwrights, and pile drivers.....	2.200	2.350	Motor.....	2.000	2.100	Painters.....	2.100	2.100
Cement finishers.....	2.150	2.300	Hoists:			Plasterers.....	2.700	2.850
Electricians (inside wiremen).....	2.250	2.400	1 drum.....	1.875	1.975	Plumbers.....	2.400	2.500
Elevator constructors.....	2.430	2.590	2 drums or more.....	2.125	2.225	Rodmen.....	2.400	2.500
Engineers—Power equipment operators:			Mixers:			Roofers, composition.....	2.300	2.300
Building construction:			Under 5 bags.....	1.750	1.850	Roofers, slate and tile.....	2.300	2.300
Heavy equipment:			5 bags and over.....	2.125	2.225	Sheet-metal workers.....	2.450	2.450
Derrick, steel, stone, excavating cranes, shovels, double elevators.....	2.400	2.600	Pile drivers.....	1.750	1.850	Sign painters.....	1.775	1.850
Medium equipment:			Pumps.....	1.875	1.975	Letterers (outdoor).....	1.900	1.900
Temporary elevators, concrete pumps, single-drum hoists.....	1.875	2.025	Rollers.....	2.125	2.225	Pictorial.....	2.100	2.175
Light equipment:			Scrapers.....	2.125	2.225	Steam fitters.....	2.450	2.450
Compressors, pumps.....	1.875	2.025	Shovels.....	2.125	2.225	Sprinkler fitters.....	2.300	2.450
Bulldozers.....	1.700	1.825	Tractors.....	1.875	1.975	Stone cutters:		
Heavy construction:			Trenching machines.....	2.125	2.225	Inside.....	2.125	2.250
Heavy equipment:			Glaziers.....	1.875	1.950	Outside.....	2.625	2.775
Derrick, steel, stone, excavating cranes, shovels, double elevators.....	2.400	2.600	Lathers.....	2.000	2.250	Carvers:		
Medium equipment:			Marble setters.....	2.250	2.250	Inside.....	2.375	2.500
Temporary elevators, concrete pumps, single-drum hoists.....	1.875	2.025	Mosaic and terrazzo workers.....	2.000	2.500	Outside.....	2.875	3.010
Light equipment:			Painters.....	2.000	2.000	Artificial stone patchers:		
Compressors, pumps.....	1.875	2.025	Spray.....	2.000	2.000	Inside.....	1.900	1.950
Bulldozers.....	1.700	1.825	Structural steel, stage and swing stage.....	2.250	2.250	Outside.....	2.625	2.775
Heavy construction:			Paperhangers.....	2.000	2.000	Stonemasons.....	2.625	2.775
Heavy equipment:			Plasterers.....	2.200	2.300	Structural-iron workers.....	2.400	2.550
Whirlies, derricks, cranes, shovels, pile drivers.....	2.400	2.600	Plumbers.....	2.250	2.450	Tile layers.....	2.375	2.525
Medium equipment:			Rodmen.....	1.950	2.050	<i>Helpers and laborers</i>		
Hoists (single drum), compressors, pumps.....	1.875	2.025	Roofers, composition.....	1.600	1.900	Bricklayers' tenders.....	1.650	1.750
Light equipment:			Roofers, slate and tile.....	1.750	1.900	Building laborers.....	1.650	1.750
Tractors with attachment.....	1.700	1.825	Sheet-metal workers.....	2.000	2.125	Composition roofers' helpers.....	1.675	1.675
Glaziers.....	2.050	2.150	Sign painters.....	2.000	2.000	Elevator constructors' helpers.....	1.680	1.750
Lathers.....	2.250	2.500	Steam fitters.....	2.250	2.450	Marble setters' helpers.....	1.750	1.900
Machinists.....	2.250	2.350	Stonemasons.....	2.500	2.750	Plasterers' laborers.....	1.800	1.900
Marble setters.....	2.500	2.500	Structural and ornamental-iron workers.....	2.200	2.300	Terrazzo workers' helpers.....	1.825	1.975
Mosaic and terrazzo workers.....	2.250	2.500	workers.....	2.450	2.550	Tile layers' helpers.....	1.750	1.900
Painters.....	1.775	1.900	Sheeters.....	2.450	2.550	BUFFALO, N. Y.		
Structural steel.....	1.900	2.025	Tile layers.....	2.000	2.500	<i>Journeyman</i>		
Paperhangers.....	1.775	1.900	<i>Helpers and laborers</i>			Asbestos workers.....	2.400	2.525
Plasterers.....	2.250	2.500	Bricklayers' tenders.....	1.000	1.100	Boilermakers.....	2.400	2.525
Plumbers.....	2.250	2.400	Building laborers.....	1.000	1.100	Bricklayers.....	2.500	2.750
Rodmen.....	2.350	2.350	Elevator constructors' helpers.....	1.580	1.580	Carpenters.....	2.250	2.375
Roofers, composition.....	1.850	2.000	Marble setters' helpers.....	1.100	1.100	Millwrights.....	2.350	2.475
Roofers, slate and tile.....	2.150	2.250	Plasterers' laborers.....	1.050	1.150	Cement finishers.....	2.230	2.355
Sheeters and precast slabmen.....	2.250	2.400	Plumbers' laborers.....	1.100	1.200	Swing scaffold.....	2.200	2.625
Sheet-metal workers.....	2.250	2.400	Terrazzo workers' helpers.....	1.050	1.100	Machine operators.....	2.400	2.525
Sign painters.....	2.000	2.000	Tile layers' helpers.....	1.050	1.100	Swing scaffold.....	2.650	2.775
Steam fitters.....	2.250	2.400	BOSTON, MASS.			Electricians (inside wiremen).....	2.400	2.580
Stonemasons.....	3.000	3.000	<i>Journeyman</i>			Elevator constructors.....	2.415	2.605
Structural-iron workers.....	2.650	2.650	Asbestos workers.....	2.450	2.450	Engineers—Power equipment operators:		
Tile layers.....	2.250	2.500	Boilermakers.....	2.450	2.450	Building construction:		
<i>Helpers and laborers</i>			Bricklayers.....	2.625	2.775	Heavy equipment:		
Bricklayers' tenders.....	1.350	1.450	Carpenters.....	2.250	2.375	Shovels, cranes, derricks.....	2.400	2.525
Building laborers.....	1.250	1.350	Cement finishers.....	2.625	2.775	Medium equipment:		
Elevator constructors' helpers.....	1.700	1.810	Electricians (inside wiremen).....	2.500	2.600	Carry-alls, trenching machines.....	2.275	2.400
Marble setters' helpers.....	1.500	1.625	Elevator constructors.....	2.400	2.545	Hoists.....	2.275	2.360
Plasterers' laborers.....	1.350	1.450	Engineers—Power equipment operators:			Light equipment:		
Hod carriers.....	1.550	1.650	Building construction:			Compressors, mechanical heaters.....	2.025	2.150
Plumbers' laborers.....	1.250	1.350	Heavy equipment:			Pumps.....	2.150	2.275
Terrazzo workers' helpers.....	1.500	1.600	Power shovels, pile drivers, hoisting engines.....	2.600	2.600			
Tile layers' helpers.....	1.500	1.625	Medium equipment:					
			Bulldozers, concrete mixers, steamboilers.....	2.225	2.225			
			Light equipment:					
			Pumps, compressors, welding machines.....	2.150	2.150			

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
CHARLOTTE, N. C.—Con.			CHATTANOOGA, TENN.—Continued			CINCINNATI, OHIO		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman</i>		
Engineers—Power equipment operators—Continued			Roofers, composition	\$1.850	\$2.000	Asbestos workers	\$2.325	\$2.325
Roilers:			Roofers, slate and tile	2.250	2.250	Boilermakers	2.250	2.400
Asphalt	\$1.750	\$1.750	Sheet-metal workers	2.000	2.000	Bricklayers	2.575	2.700
Earth	1.625	1.625	Sign painters	1.750	1.875	Carpenters	2.200	2.250
Scrapers	1.875	1.875	Steam fitters	2.250	2.250	Millwrights	2.250	2.400
Shovels	1.875	2.000	Stonemasons	2.500	2.500	Parquetry floor layers	2.200	2.250
Trenching machines	1.875	1.875	Structural- and ornamental-iron workers	2.100	2.100	Wharf and bridge	2.200	2.250
Glaziers	1.650	1.650	Riggers	2.100	2.100	Cement finishers	2.150	2.150
Lathers	2.250	2.500	Tile layers	2.500	2.500	Electricians (inside wiremen)	2.450	2.550
Marble setters	2.000	2.250				Elevator constructors	2.460	2.505
Mosaic and terrazzo workers	2.000	2.000	<i>Helpers and laborers</i>			Engineers—Power equipment operators:		
Painters	1.650	2.000	Bricklayers' tenders			Building construction:		
Spray	2.000	2.000	Mortar mixers	1.100	1.100	Heavy equipment:		
Structural steel and stage work	1.900	1.900	Building laborers	1.200	1.200	Cranes, derricks, and power shovels		
Paperhangers	1.900	1.900	Composition roofers' helpers	1.000	1.000	Medium equipment:		
Plasterers	2.250	2.250	Elevator constructors' helpers	1.100	1.100	Power graders and trenching machines		
Plumbers	2.125	2.125	Plasterers' laborers	1.612	1.570	Rollers		
Rodmen	1.750	1.750		1.100	1.100	Light equipment:		
Sheet-metal workers	1.800	1.800	CHICAGO, ILL.			Bulldozers		
Steam fitters	2.125	2.125	<i>Journeyman</i>			Compressors		
Stonemasons	2.250	2.250	Asbestos workers	2.450	2.600	Pumps, under 4 inch		
Structural- and ornamental-iron workers	2.000	2.000	Boilermakers	2.500	2.500	Pumps, 4 inch and over		
Tile layers	2.000	2.000	Bricklayers	2.550	2.550	Heavy construction:		
<i>Helpers and laborers</i>			Sewer, tunnel, etc.	2.900	2.900	Heavy equipment:		
Bricklayers' tenders	.925	.925	Carpenters	2.450	2.550	Cranes, derricks, and power shovels		
Building laborers	.825	.825	Cement finishers	2.450	2.450	Medium equipment:		
Plasterers' laborers	.925	.925	Pavement, curb and gutter	2.350	2.450	Power graders and trenching machines		
CHATTANOOGA, TENN.			Electricians (inside wiremen)	2.500	2.525	Rollers		
<i>Journeyman</i>			Elevator constructors	2.380	2.525	Light equipment:		
Boilermakers	2.250	2.350	Engineers—Power equipment operators:			Bulldozers		
Bricklayers	2.500	2.500	Building construction:			Compressors		
Carpenters:			Heavy equipment:			Pumps, under 4 inch		
Commercial	1.900	1.900	Draglines, mixers, and shovels	2.750	2.850	Pumps, 4 inch and over		
Residential	1.750	1.750	Medium equipment:			Glaziers		
Millwrights	1.900	1.900	Cranes	2.450	2.600	Lathers, wood and metal		
Cement finishers	1.850	1.850	Derricks and hoists	2.450	2.500	Machinists		
Electricians (inside wiremen)	2.125	2.250	Light equipment:			Marble setters		
Elevator constructors	2.160	2.240	Bulldozers	2.150	2.250	Mosaic and terrazzo workers		
Engineers—Power equipment operators:			Le Tourneau scoops	2.300	2.400	Painters		
Air compressors:			Power blades	2.375	2.475	Fresco		
1 portable	1.300	1.300	Heavy construction:			Paperhangers		
2 not more than 3 portable	1.600	1.600	Heavy equipment:			Plasterers		
Bulldozers	1.800	1.800	Draglines, large mixers, and scoops	2.650	2.750	Plumbers		
Cranes, derricks, draglines, pile drivers	2.000	2.000	Medium equipment:			Rodmen		
Graders	1.800	1.800	Cranes, derricks, and hoists	2.350	2.450	Roofers, composition		
Hoists:			Light equipment:			Roofers, slate and tile		
1 drum	1.600	1.600	Bulldozers	2.050	2.150	Roofers, precast slab		
2 drums	1.800	1.800	Le Tourneau scoops	2.200	2.300	Sheet-metal workers		
Locomotive:			Power blades	2.275	2.375	Sign painters		
Under 20 tons	1.600	1.600	Glaziers	2.550	2.650	Steam fitters		
20 tons and over	1.800	1.800	Granite cutters	2.445	2.560	Pipe fitters		
Mixers (over 2 bags—not to include central plants)	1.600	1.600	Lathers (wood, wire, and metal)	2.550	2.550	Stonemasons		
Pumps:			Machinists	2.500	2.550	Structural-iron workers:		
1 pump	1.300	1.300	Marble setters	2.450	2.550	Bridge, structural and ornamental		
2 not more than 3	1.600	1.600	Mosaic and terrazzo workers	2.450	2.550	Finishers		
Rollers	1.600	1.600	Painters	2.375	2.475	Tile layers		
Scrapers, pans, scoops, or carryalls (all types)	1.800	1.800	Paperhangers	2.375	2.475	<i>Helpers and laborers</i>		
Shovels	2.000	2.000	Plasterers	2.550	2.550	Bricklayers' tenders		
Tournapull (machines over 20 yards)	2.000	2.000	Plumbers	2.450	2.450	Hod carriers		
Tractors	1.600	1.600	Rodmen	2.500	2.600	Building laborers		
Trenching machines	1.800	1.800	Roofers, composition	2.500	2.625	Elevator constructors' helpers		
Glaziers	1.750	1.750	Roofers, slate and tile	2.500	2.550	Marble setters' helpers		
Lathers	2.000	2.000	Sheet-metal workers	2.450	2.600	Marble polishers		
Marble setters	2.500	2.500	Sign painters	2.500	2.625	Floor grinders		
Mosaic and terrazzo workers	2.500	2.500	Steam fitters	2.500	2.500	Plasterers' laborers		
Painters	1.750	1.875	Sprinkler fitters	2.500	2.500	Plumbers' laborers		
Spray	2.750	3.000	Stonemasons	2.550	2.550	Terrazzo workers' helpers		
Structural steel erected, swinging scaffold, scaffold over 30 feet	2.000	2.150	Structural-iron workers (erectors)	2.500	2.600	Base grinders		
Structural steel on ground	1.750	1.875	Ornamental-iron finishers	2.450	2.550	Tile layers' helpers		
Paperhangers	2.000	2.150	Tile layers	2.500	2.500	CLEVELAND, OHIO		
Plasterers	2.250	2.250	<i>Helpers and laborers</i>			<i>Journeyman</i>		
Plumbers	2.250	2.250	Bricklayers' tenders	1.800	1.850	Asbestos workers		
Rodmen	2.100	2.100	Building laborers	1.800	1.850	Boilermakers		
			Elevator constructors' helpers	1.665	1.755	Bricklayers		
			Marble setters' helpers	1.800	1.900	Caisson and sewer		
			Plasterers' laborers	1.925	1.975			
			Terrazzo workers' helpers	2.000	2.100			
			Base-machine operators	2.225	2.325			
			Tile layers' helpers	1.800	1.800			

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
CLEVELAND, OHIO—Con.			COLUMBUS, OHIO—Con.			DALLAS, TEX.—Continued		
<i>Journey men—Continued</i>			<i>Journey men—Continued</i>			<i>Journey men—Continued</i>		
Carpenters.....	\$2.525	\$2.700	Carpenters.....	\$2.175	\$2.250	Engineers—Power equipment op-		
Millwrights.....	2.525	2.700	Millwrights.....	2.300	2.375	erators—Continued		
File drivers.....	2.525	2.700	Parquetry and linoleum tile	2.175	2.250	Rollers.....	\$2.000	\$2.000
Floor layers and scrapers	2.525	2.700	Wharf and bridge.....	2.300	2.375	Shovels.....	2.250	2.250
Cement finishers.....	2.250	2.525	Cement finishers.....	2.125	2.200	Tractors.....	2.250	2.250
Swing scaffold.....	2.375	2.650	Electricians (inside wiremen)	2.250	2.450	Glaziers.....	1.750	1.875
Electricians (inside wiremen)	2.525	2.700	Elevator constructors.....	2.300	2.430	Lathers.....	2.500	3.125
Elevator constructors.....	2.375	2.700	Engineers—Power equipment op-			Marble setters.....	2.375	2.375
Engineers—Power equipment op-			erators:			Mosaic and terrazzo workers.....	2.375	2.375
Building construction:			Building construction:			Painters.....	2.000	2.125
Heavy equipment:			Heavy equipment:			Spray, swinging stage.....	2.250	2.375
Cranes (all types), power			Cranes (all types), power			Paperhangers.....	2.000	2.125
shovels and derricks.....	2.525	2.700	shovels and derricks.....	2.375	2.450	Plasterers.....	2.500	3.125
Medium equipment:			Medium equipment:			Plumbers.....	2.375	2.375
Power graders and trench			Power graders, rollers, and			Rodmen.....	2.000	2.000
machines.....	2.275	2.450	trench machines.....	2.125	2.200	Roofers, composition.....	1.750	1.750
Light equipment:			Light equipment:			Roofers, slate and tile.....	2.000	2.000
Bulldozers.....	2.275	2.450	Bulldozers.....	2.125	2.200	Sheet-metal workers.....	2.250	2.250
Pumps, 4-inch and over.....	2.150	2.325	Pumps and compressors.....	2.000	2.075	Sign painters.....	2.000	2.000
Compressors.....	2.000	2.125	Heavy construction:			Steam fitters.....	2.375	2.375
Heavy construction:			Heavy equipment:			Stonemasons.....	2.500	3.125
Heavy equipment:			Cranes (all types), power			Structural- and ornamental-iron		
Cranes (all types), power			shovels and derricks.....	2.375	2.450	workers.....	2.250	2.250
shovels and derricks.....	2.525	2.700	Medium equipment:			Buckers-up.....	2.375	2.375
Medium equipment:			Power graders, rollers, and			Sheeters.....	2.500	2.500
Power graders and trench			trench machines.....	2.125	2.200	Tile layers.....	2.375	2.375
machines.....	2.275	2.450	Light equipment:					
Rollers.....	2.150	2.325	Bulldozers.....	2.125	2.200			
Light equipment:			Pumps and compressors.....	2.000	2.075			
Bulldozers.....	2.275	2.450	Glaziers.....	1.850	1.850			
Pumps, 4-inch and over.....	2.150	2.325	Lathers.....	2.375	2.475			
Compressors.....	2.000	2.125	Marble setters.....	2.063	2.375			
Heavy construction:			Mosaic and terrazzo workers.....	2.063	2.375			
Heavy equipment:			Painters.....	2.000	2.075			
Cranes (all types), power			Structural steel and spray.....	2.075	2.150			
shovels and derricks.....	2.525	2.700	Paperhangers.....	2.000	2.075			
Medium equipment:			Plasterers.....	2.375	2.475			
Power graders and trench			Plumbers.....	2.250	2.450			
machines.....	2.275	2.450	Rodmen.....	2.375	2.450			
Rollers.....	2.150	2.325	Roofers, composition.....	2.000	2.000			
Light equipment:			Roofers, slate and tile.....	2.000	2.000			
Bulldozers.....	2.275	2.450	Spray gun or damp proofing and					
Pumps, 4-inch and over.....	2.150	2.325	par lock work.....	2.175	2.175			
Compressors.....	1.800	2.125	Sheet-metal workers.....	2.250	2.250			
Glaziers.....	2.250	2.525	Sign painters.....	1.800	1.950			
Granite cutters (outside).....	2.300	2.300	Steam fitters.....	2.250	2.450			
Inside (surface machine).....	1.875	2.125	Stonecutters (inside).....	2.500	2.500			
Polishers.....	1.750	2.000	Stonecutters (on buildings).....	2.750	2.750			
Lathers.....	2.525	2.700	Stonemasons, stone setters, ce-					
Machinists.....	2.375	2.500	ment blockmen.....	2.750	2.750			
Marble setters.....	2.400	2.525	Structural-iron workers.....	2.375	2.450			
Mosaic and terrazzo workers.....	2.400	2.525	Tile layers.....	2.063	2.375			
Painters.....	2.250	2.325						
Fresco.....	2.300	2.375						
Structural steel, spray and swing								
stage.....	2.375	2.450						
Paperhangers.....	2.250	2.325						
Plasterers.....	2.525	2.700						
Plumbers.....	2.575	2.700						
Rodmen.....	2.575	2.700						
Roofers, composition.....	2.450	2.575						
Roofers, slate and tile.....	2.575	2.700						
Sheet-metal workers.....	2.250	2.525						
Sign painters.....	2.275	2.500						
Steam fitters.....	2.375	2.700						
Pipefitters.....	2.375	2.700						
Refrigeration fitters.....	2.375	2.700						
Sprinkler fitters.....	2.375	2.525						
Stonecutters:								
Inside.....	2.250	2.250						
Outside.....	2.250	2.250						
Stonemasons.....	2.575	2.700						
Structural-iron workers.....	2.575	2.700						
Sheeters.....	2.825	2.950						
Sheeters-bucker up.....	2.625	2.825						
Tile layers.....	2.375	2.525						
<i>Helpers and laborers</i>			<i>Helpers and laborers</i>			<i>Helpers and laborers</i>		
Bricklayers' tenders.....	1.850	1.975	Bricklayers' tenders.....	1.625	1.700	Bricklayers' tenders.....	1.225	1.225
Building laborers.....	1.850	1.975	Building laborers.....	1.425	1.500	Hod carriers.....	1.275	1.275
Elevator constructors' helpers	1.680	1.890	Elevator constructors' helpers	1.610	1.700	Building laborers.....	1.075	1.075
Marble setters' helpers.....	1.750	2.000	Elevator constructors' helpers	1.610	1.700	Elevator constructors' helpers	1.650	1.650
Plasterers' laborers.....	1.850	1.975	Plasterers' laborers.....	1.625	1.700	Plasterers' laborers.....	1.275	1.275
Plumbers' laborers.....	1.950	2.075						
Terrazzo workers' helpers.....	1.750	2.000						
Machine operators.....	1.875	2.150						
Tile layers' helpers.....	1.825	2.000						
COLUMBUS, OHIO			DALLAS, TEX.			DAYTON, OHIO		
<i>Journey men</i>			<i>Journey men</i>			<i>Journey men</i>		
Asbestos workers.....	2.375	2.450	Asbestos workers.....	2.250	2.375	Asbestos workers.....	2.250	2.375
Boilermakers.....	2.250	2.400	Home insulators.....	1.625	1.750	Boilermakers.....	2.300	2.300
Bricklayers.....	2.650	2.750	Bricklayers.....	2.500	3.125	Bricklayers.....	2.625	2.750
			Carpenters and millwrights	2.125	2.125	Carpenters.....	2.275	2.275
			Cement finishers.....	2.125	2.125	Cement finishers.....	2.105	2.105
			Electricians (inside wiremen)	2.375	2.375	Electricians.....	2.625	2.625
			Elevator constructors.....	2.375	2.375	Elevator constructors.....	2.455	2.455
			Engineers—Power equipment op-			Engineers—Power equipment op-		
			erators:			erators:		
			Air compressors.....	2.000	2.000	Building construction:		
			Bulldozers.....	2.250	2.250	Heavy equipment:		
			Carry-alls.....	2.250	2.250	Cranes (all types), power		
			Cranes, derricks, and draglines	2.250	2.250	shovels and derricks.....	2.375	2.525
			Hoists:			Medium equipment:		
			1 drum.....	2.000	2.000	Power graders and trench		
			2 or more drums.....	2.250	2.250	machines.....	2.125	2.275
			Mixers:			Rollers.....	2.000	2.150
			Less than 14 cubic feet.....	2.000	2.000	Light equipment:		
			14 cubic feet and over.....	2.250	2.250	Bulldozers.....	2.125	2.275
			Pumps:			Pumps, over 4-inch.....	2.000	2.150
			1 pump.....	1.750	1.750	Compressors.....	2.000	2.150
			2 or more.....	2.000	2.000	Heavy construction:		
						Heavy equipment:		
						Cranes (all types), power		
						shovels and derricks.....	2.375	2.525
						Medium equipment:		
						Power graders and trench		
						machines.....	2.125	2.275
						Rollers.....	2.000	2.150
						Light equipment:		
						Bulldozers.....	2.125	2.275
						Pumps, over 4-inch.....	2.000	2.150
						Compressors.....	2.000	2.150
						Glaziers.....	2.075	2.200
						Lathers.....	2.425	2.425
						Machinists.....	2.000	2.250
						Marble setters.....	2.375	2.500
						Mosaic and terrazzo workers	2.375	2.500
						Painters.....	2.150	2.150
						Swing and scaffold.....	2.250	2.250
						Spray.....	2.525	2.525
						Structural steel, iron and bridge	2.400	2.400
						Paperhangers.....	2.400	2.400
						Plasterers.....	2.425	2.425
						Plumbers.....	2.300	2.450
						Rodmen and reinforcers.....	2.275	2.275

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
DAYTON, OHIO—Continued			DENVER, COLO.—Continued			DETROIT, MICH.		
<i>Journeyman—Continued</i>			<i>Helpers and laborers</i>			<i>Journeyman</i>		
Roofers, composition	\$2.075	\$2.075	Bricklayers' tenders	\$1.750	\$1.800	Asbestos workers	\$2.500	\$2.625
Poofers, slate and tile	2.275	2.275	Building laborers	1.400	1.460	Home insulators	2.025	2.150
Sheet-metal workers	2.275	2.275	Elevator constructors' helpers	1.550	1.740	Boilermakers	2.450	2.575
Sign painters	2.200	2.400	Marble setters' helpers	1.575	1.665	Bricklayers	2.625	2.750
Steam fitters	2.360	2.450	Plasterers' laborers	1.750	1.800	Carpenters	2.325	2.500
Stonemasons	2.625	2.750	Plumbers' laborers:			Cement finishers	2.175	2.300
Structural-iron workers	2.425	2.425	Drain layers	1.700	1.700	Electricians (inside wiremen)	2.600	2.750
Tile layers	2.375	2.500	Pipe layers, over 6 inches	1.950	1.950	Elevator constructors	2.440	2.715
			Terrazzo workers' helpers	1.425	1.665	Engineers—Power equipment operators:		
			Tile layers' helpers	1.575	1.665	Building construction		
<i>Helpers and laborers</i>			DES MOINES, IOWA			<i>Heavy equipment</i>		
Bricklayers' tenders and hod carriers	1.775	1.775	<i>Journeyman</i>			Cranes on steel	2.575	2.700
Building laborers	1.525	1.525	Asbestos workers	2.150	2.250	Pile drivers (not on steel)	2.325	2.500
Elevator constructors' helpers	1.720	1.720	Bricklayers	2.875	2.875	Shovel combinations	2.325	2.500
Marble setters' helpers	1.575	1.700	Carpenters	2.000	2.250	Medium equipment:		
Plasterers' laborers	1.775	1.775	Millwrights	2.000	2.250	Bulldozers	2.325	2.500
Plumbers' laborers	1.525	1.525	Parquetry floor layers	2.000	2.250	Derrick (on steel)	2.575	2.700
Terrazzo workers' helpers	1.575	1.700	Wharf and bridge	2.000	2.250	Derrick (not on steel)	2.325	2.500
Base grinders	2.075	2.200	Cement finishers	2.125	2.250	Light equipment:		
Tile layers' helpers	1.575	1.700	Electricians (inside wiremen)	2.325	2.450	Compressors (on steel)	2.575	2.700
			Elevator constructors	2.280	2.440	Compressors (not on steel)	2.075	2.250
DENVER, COLO.			Engineers—Power equipment operators:			Hoists (not on steel)	2.325	2.500
<i>Journeyman</i>			Building construction:			Heavy construction:		
Asbestos workers	2.150	2.375	Heavy equipment:			Heavy equipment:		
Boilermakers	2.250	2.350	Cranes and shovels—over			Cranes (on steel)	2.575	2.700
Bricklayers	3.000	3.000	34 yd. capacity	2.200	2.250	Pile drivers (not on steel)	2.325	2.500
Sewer work	3.250	3.250	Paving mixers	2.200	2.250	Shovel combinations	2.325	2.500
Carpenters	2.100	2.350	Sideboom tractors	2.200	2.250	Medium equipment:		
Cement finishers	2.250	2.320	Medium equipment:			Bulldozers	2.325	2.500
Composition floor layers	2.500	2.570	Single-drum hoists	2.025	2.100	Trenchers	2.325	2.500
Electricians (inside wiremen)	2.410	2.500	Compressors—over 110 cubic feet capacity	2.025	2.100	Light equipment:		
Elevator constructors	2.220	2.490	Scoops and bulldozers	2.025	2.100	Hoists (not on steel)	2.325	2.500
Engineers—Power equipment operators:			Light equipment:			Compressors (on steel)	2.575	2.700
Building construction:			Compressors—under 110 cubic feet capacity	1.600	1.700	Compressors (not on steel)	2.075	2.250
Heavy equipment:			Welding machines	1.600	1.700	Pumps	2.325	2.500
Derricks, guy and stiff leg	2.150	2.300	Heavy construction:			Glaziers	2.000	2.150
Shovel type	2.150	2.300	Heavy equipment:			Lathers	2.625	2.750
Multiple drum hoists	2.150	2.300	Cranes and shovels—over			Machinists	2.650	2.650
Medium equipment:			34-yard capacity	2.100	2.100	Marble setters	2.525	2.650
Tractors	2.000	2.150	Euclid motors	2.100	2.100	Mosaic and terrazzo workers	2.400	2.525
Concrete pavers	2.000	2.150	Hoisting engines, steel erection	1.950	1.950	Painters	2.100	2.250
Light equipment:			Medium equipment:			Spray and swing stage	2.350	2.500
1 drum hoists	2.000	2.150	Blades, graders	2.100	2.100	Paperhangers	2.100	2.250
Compressors	2.000	2.150	Scoops, dozers and asphalt rollers	2.100	2.100	Plasterers	2.625	2.750
Pumps	2.000	2.150	Tournapulls and other similar equipment	2.100	2.100	Plumbers	2.500	2.625
Heavy construction:			Light equipment:			Rodmen	2.200	2.375
Heavy equipment:			Barber Green loaders	2.100	2.100	Roofers, composition	2.400	2.525
Shovel type—under 3 yards	2.150	2.300	Compressors	2.100	2.100	Roofers, slate and tile	2.750	2.875
Shovel type—3 yards and over	2.250	2.300	Distributors	1.750	1.750	Sheet-metal workers:		
Euclid loaders	2.000	2.150	Glaziers	1.800	1.900	Agreement A	2.400	2.525
Pull type	2.000	2.150	Lathers	2.200	2.250	Agreement B	2.275	2.400
Medium equipment:			Marble setters	2.000	2.120	Sgr painters	2.250	2.375
Tractors	2.000	2.150	Mosaic and terrazzo workers	2.000	2.120	Steam fitters	2.500	2.625
Light equipment:			Painters	1.850	1.900	Sprinkler fitters	2.400	2.500
Compressors	2.000	2.150	Paperhangers	2.100	2.150	Stonemasons	2.625	2.750
Pumps	2.000	2.150	Plasterers	2.375	2.500	Structural-iron workers	2.400	2.700
Core or diamond drills	2.000	2.100	Plumbers	2.375	2.500	Riggers	2.250	2.250
Glaziers	2.000	2.100	Rodmen	2.250	2.250	Tile layers	2.400	2.525
Inside men	1.750	1.820	Roofers, composition	1.625	1.725			
Granite cutters	1.825	1.825	Roofers, slate and tile	1.625	1.725			
Machine men (inside)	1.731	1.731	Sheet-metal workers	1.625	1.725			
Machine men (outside)	1.763	1.763	Sign painters	1.850	1.900			
Lathers	2.500	3.000	Steam fitters	2.375	2.500			
Machinists	2.150	2.150	Stonemasons	2.875	2.875			
Marble setters	2.430	2.600	Structural-iron workers	2.250	2.250			
Mosaic and terrazzo workers	2.430	2.600	Tile layers	2.000	2.120			
Painters	2.050	2.125						
Paperhangers	2.050	2.125						
Plasterers	2.500	3.000						
Plumbers	2.400	2.400						
Rodmen	2.100	2.200						
Roofers:								
Composition	2.100	2.250						
Slate and tile	2.100	2.250						
Sheet-metal workers	2.125	2.250						
Sign painters	2.300	2.400						
Steam fitters	2.400	2.400						
Stonecutters	2.000	2.000						
Stonemasons	3.000	3.000						
Structural-iron workers:								
Erectors	2.100	2.200						
Tile layers	2.430	2.600						
			<i>Helpers and laborers</i>					
			Bricklayers' tenders	1.500	1.600	DULUTH, MINN.		
			Mortar mixers	1.600	1.700	<i>Journeyman</i>		
			Building laborers	1.600	1.600	Asbestos workers	1.950	2.100
			Elevator constructors' helpers	1.600	1.710	Boilermakers	2.250	2.350
			Marble setters' helpers	1.500	1.600	Bricklayers	2.500	2.400
			Plasterers' laborers	1.625	1.725	Carpenters	1.800	1.925
			Terrazzo workers' helpers	1.500	1.600	Millwrights	1.800	1.925
			Tile layers' helpers	1.500	1.600	Pile drivers	1.800	1.925
						Floor sanders (machine)	1.800	1.925
						Cement finishers	1.675	1.850

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
DULUTH, MINN.—Continued			EL PASO, TEX.—Continued			ERIE, PA.—Continued		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Electricians (inside wiremen).....	\$2.100	\$2.250	Engineers—Power equipment operators—Continued			Paperhangers.....	\$1.850	\$1.900
Elevator constructors.....	2.090	2.235	Mixers:			Plasterers.....	2.250	2.250
Engineers—Power equipment operators:			Under 1 yard.....	\$2.000	\$2.000	Plumbers.....	2.250	2.250
Building construction:			1 yard and over.....	2.100	2.100	Rodmen.....	2.175	2.500
Heavy equipment:			Pumps.....	2.000	2.000	Roofers, composition.....	1.750	1.850
Derricks.....	2.270	2.270	Rollers.....	2.000	2.000	Roofers, slate and tile.....	1.750	1.850
Crane, shovels.....	2.270	2.270	Scrapers.....	2.000	2.000	Sheet-metal workers.....	2.000	2.125
Pumperctes.....	2.170	2.170	Shovels:			Steam fitters.....	2.250	2.250
Medium equipment:			Under 2 yards.....	2.150	2.150	Stonemasons.....	2.500	2.500
Hoists.....	2.070	2.070	2 yards and over.....	2.350	2.350	Structural-iron workers.....	2.175	2.500
Concrete mixers.....	2.070	2.070	Tractors:			Tile layers.....	2.350	2.350
Mechanics, welders.....	2.070	2.070	35 horsepower and under and without power attachments	1.500	1.500			
Light equipment:			Over 35 horsepower and with power attachments	2.000	2.000	<i>Helpers and laborers</i>		
Compressors.....	1.770	1.770	Trenching machines.....	2.000	2.000	Bricklayers' tenders.....	1.675	1.700
Firemen.....	1.620	1.620	Glaziers.....	1.750	1.750	Using hod.....	1.675	1.700
Oilers.....	1.520	1.520	Lathers.....	2.250	2.500	Building laborers.....	1.475	1.500
Heavy construction:			Marble setters.....	2.250	2.500	Elevator constructors' helpers.....	1.580	1.630
Heavy equipment:			Mosaic and terrazzo workers.....	2.250	2.500	Marble setters' helpers.....	1.650	1.650
Shovels, cranes.....	2.270	2.270	Painters:			Plasterers' laborers.....	1.675	1.700
Dredges.....	2.270	2.270	Spray.....	1.750	1.750	Plumbers' laborers.....	1.575	1.600
Derricks.....	2.270	2.270	Structural steel after erection	2.500	2.500	Terrazzo workers' helpers.....	1.650	1.650
Medium equipment:			Swing stage.....	2.125	2.125	Grinders and polishers.....	1.800	1.800
Mechanics, welders.....	2.070	2.070	Paperhangers.....	1.750	1.750	Tile layers' helpers.....	1.650	1.650
Bulldozers, scrapers.....	2.070	2.070	Plasterers.....	2.250	2.250			
Graders, motor patrols.....	1.870	1.870	Plumbers.....	2.250	2.250	GRAND RAPIDS, MICH.		
Light equipment:			Rodmen.....	2.000	2.000	<i>Journeyman</i>		
Pumps, compressors.....	1.770	1.770	Sheet-metal workers.....	2.250	2.500	Asbestos workers.....	2.250	2.250
Loaders, Barber Green operators.....	1.870	1.870	Sign painters.....	1.875	2.000	Bricklayers.....	2.500	2.625
Finishing machines.....	1.770	1.770	Steam fitters.....	2.250	2.250	Carpenters.....	2.000	2.125
Glaziers.....	1.500	1.800	Stonemasons.....	2.250	2.500	Millwrights.....	2.000	2.125
Lathers.....	2.250	2.250	Structural- and ornamental-iron workers.....	2.250	2.250	Cement finishers.....	2.000	2.125
Marble setters.....	1.900	2.000	Tile layers.....	2.250	2.500	Electricians (inside wiremen).....	2.250	2.400
Painters.....	1.700	1.800				Elevator constructors.....	2.330	2.430
Structural steel.....	1.900	2.000	<i>Helpers and laborers</i>			Engineers—Power equipment operators:		
Paperhangers.....	1.700	1.800	Bricklayers' tenders.....	1.250	1.350	Building construction:		
Plasterers.....	2.250	2.350	Building laborers.....	.850	.950	Heavy equipment:		
Plumbers.....	2.000	2.125	Elevator constructors' helpers.....	1.575	1.575	Cranes on steel.....	2.350	2.600
Rodmen.....	1.800	2.000	Plasterers' laborers.....	1.250	1.350	Shovel combinations.....	2.325	2.450
Roofers, composition:			Plumbers' laborers.....	.850	.950	File drivers.....	2.325	2.450
Second roofer.....	1.650	1.800	ERIE, PA.			Medium equipment:		
Head roofer.....	1.850	2.000	<i>Journeyman</i>			Bulldozers.....	2.325	2.350
Sheet-metal workers.....	2.000	2.100	Bricklayers.....	2.500	2.500	Derricks (on steel).....	2.350	2.600
Sign painters.....	1.925	2.025	Carpenters.....	2.000	2.125	Derricks (not on steel).....	2.325	2.450
Steam fitters.....	2.000	2.125	Cement finishers.....	2.075	2.075	Light equipment:		
Stonemasons.....	2.050	2.400	Electricians (inside wiremen).....	2.150	2.250	Compressors (on steel).....	2.350	2.600
Structural-iron workers.....	2.050	2.250	Elevator constructors.....	2.255	2.325	Compressors (not on steel).....	2.075	2.100
Finishers.....	2.050	2.250	Engineers—Power equipment operators:			Pumps.....	2.325	2.350
Tile layers.....	1.900	2.000	Building construction:			Heavy construction:		
<i>Helpers and laborers</i>			Heavy equipment:			Heavy equipment:		
Bricklayers' tenders.....	1.400	1.500	Cranes and shovels.....	2.600	2.600	Cranes (on steel).....	2.350	2.600
Building laborers.....	1.300	1.400	Carry-all scoops.....	2.600	2.600	Shovel combinations.....	2.325	2.450
Semiskilled helpers.....	1.400	1.500	Medium equipment:			File drivers.....	2.325	2.450
Composition roofers' helpers.....	1.500	1.650	Bulldozers.....	2.300	2.500	Medium equipment:		
Elevator constructors' helpers.....	1.460	1.560	Compressors and hoists.....	2.150	2.350	Bulldozers and trenchers.....	2.325	2.350
Plasterers' laborers.....	1.850	1.950	Light equipment:			Light equipment:		
Plumbers' laborers.....	1.400	1.500	Rollers.....	2.300	2.350	Hoists.....	2.325	2.350
EL PASO, TEX.			Pumps and welders.....	2.150	2.350	Compressors (on steel).....	2.350	2.600
<i>Journeyman</i>			Heavy construction:			Compressors (not on steel).....	2.075	2.100
Asbestos workers.....	2.125	2.250	Heavy equipment:			Hoists (not on steel).....	2.325	2.350
Bricklayers.....	2.250	2.500	Shovels, cranes, and ditchers.....	2.550	2.550	Heavy construction:		
Carpenters.....	2.000	2.000	Medium equipment:			Heavy equipment:		
Cement finishers.....	2.000	2.000	Graders, bulldozers, and scoops (carry-all).....	2.370	2.370	Cranes (on steel).....	2.350	2.600
Electricians (inside wiremen).....	2.250	2.250	Light equipment:			Shovel combinations.....	2.325	2.450
Elevator constructors.....	2.250	2.250	Rollers.....	2.300	2.350	File drivers.....	2.325	2.450
Engineers—Power equipment operators:			Pumps and welders.....	2.150	2.350	Medium equipment:		
Air compressors.....	2.000	2.000	Heavy construction:			Bulldozers and trenchers.....	2.325	2.350
Bulldozers.....	2.000	2.000	Heavy equipment:			Light equipment:		
Cranes and draglines:			Shovels, cranes, and ditchers.....	2.550	2.550	Hoists.....	2.325	2.350
Under 2 yards.....	2.150	2.150	Medium equipment:			Compressors (on steel).....	2.350	2.600
2 yards and over.....	2.350	2.350	Graders, bulldozers, and scoops (carry-all).....	2.370	2.370	Compressors (not on steel).....	2.075	2.100
Derricks.....	2.150	2.150	Light equipment:			Pumps.....	2.325	2.350
Graders, elevating.....	2.000	2.000	Compressors, pumps, and rollers.....	2.120	2.120	Glaziers.....	1.875	1.875
Hoists:			Glaziers.....	1.600	1.750	Lathers.....	2.250	2.250
1 drum.....	2.000	2.000	Lathers.....	2.250	2.625	Marble setters.....	2.000	2.000
2 drums.....	2.100	2.100	Marble setters.....	2.350	2.350	Mosaic and terrazzo workers.....	2.000	2.000
Locomotive.....	2.000	2.000	Mosaic and terrazzo workers.....	2.350	2.350	Painters.....	1.700	1.800
			Painters.....	1.850	1.900	Spray and swing stage.....	1.950	2.050
			Swing.....	1.950	2.000	Paperhangers.....	1.700	1.800
			Spray.....	2.200	2.250	Plasterers.....	2.250	2.250
			Structural iron.....	2.050	2.100	Plumbers.....	2.300	2.300
						Rodmen.....	2.075	2.325
						Roofers, composition.....	1.700	1.700
						Roofers, slate and tile.....	1.950	1.950
						Sheet-metal workers.....	2.000	2.000
						Sign painters.....	2.000	2.000
						Steam fitters.....	2.300	2.300
						Stonemasons.....	2.000	2.000
						Structural-iron workers.....	2.350	2.600
						Machine removers and riggers.....	2.150	2.375
						Tile layers.....	2.000	2.000

* 44-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
GRAND RAPIDS, MICH.—Continued			INDIANAPOLIS, IND.—Con.			JACKSON, MISS.—Continued		
<i>Helpers and laborers</i>			<i>Journey men—Continued</i>			<i>Journey men—Continued</i>		
Bricklayers' tenders.....	\$1.350	\$1.475	Carpenters.....	\$2.300	\$2.300	Engineers—Power equipment operators—Continued		
Mortar mixers.....	1.425	1.525	Cement finishers.....	2.075	2.075	Tractors:		
Building laborers.....	1.350	1.475	Electricians (inside wiremen).....	2.375	2.450	Without power take-off.....	\$1.650	\$1.650
Elevator constructors' helpers.....	1.630	1.700	Elevator constructors.....	2.335	2.465	With power take-off.....	1.900	1.900
Marble setters' helpers.....	1.625	1.725	Engineers—Power equipment operators:			Trenching machines, large.....	2.025	2.025
Plasterers' laborers.....	1.475	1.600	Building construction:			Other trenching machines.....	1.900	1.900
Terrazzo workers' helpers.....	1.625	1.725	Heavy equipment:			Glaziers.....	1.250	1.375
Base-machine operators.....	1.825	1.925	Cranes.....	2.400	2.400	Lathers.....	2.000	2.000
Tile layers' helpers.....	1.625	1.725	Derricks—bull wheels.....	2.650	2.650	Marble setters.....	2.500	2.500
			Hoists.....	2.300	2.300	Mosaic and terrazzo workers.....	2.500	2.500
HOUSTON, TEX.			Medium equipment:			Painters.....		
<i>Journey men</i>			Concrete mixers (21 cubic feet).....			Spray.....		
Asbestos workers.....	2.250	2.375	Concrete pumps.....	2.250	2.250	Structural steel.....	2.000	2.000
Boilermakers.....	2.250	2.250	Tractor shovels.....	2.300	2.300	Swing stage.....	1.875	1.875
Bricklayers.....	2.500	2.750	Light equipment:			Paperhangers.....	2.000	2.000
Carpenters.....	2.000	2.125	Air compressors.....	1.650	1.650	Plasterers.....	1.750	1.750
Floor layers, parquetry and resilient.....	2.125	2.125	Pumps—water.....	1.650	1.650	Plumbers.....	2.150	2.150
Millwrights.....	2.125	2.250	Welding machines.....	1.650	1.650	Rodmen.....	2.000	2.250
Cement finishers.....	2.000	2.125	Heavy construction:			Roofers, composition.....	1.900	1.900
Electricians (inside wiremen).....	2.375	2.600	Heavy equipment:			Sheet-metal workers.....	1.500	1.500
Elevator constructors.....	2.425	2.500	Auto patrols and scoops.....	2.300	2.300	Sign painters.....	1.800	1.800
Engineers—Power equipment operators:			Cranes.....	2.400	2.400	Steam fitters.....	1.750	1.750
Air compressors.....	1.875	1.875	Medium equipment:			Stonemasons.....	2.000	2.250
Bulldozers:			Bulldozers, rollers and trenching machines.....	2.300	2.300	Structural and ornamental-iron workers.....	2.500	2.500
When cutting to finish grade.....	2.125	2.250	Light equipment:			Tile layers.....	2.150	2.150
Except when cutting to finish grade.....	1.875	1.875	Compressors and pumps.....	1.650	1.650		2.500	2.500
Cranes, derricks, and draglines.....	2.125	2.250	Tractors.....	2.300	2.300	<i>Helpers and laborers</i>		
Graders, blade and elevating:			Glaziers.....	2.000	2.250	Bricklayers' tenders.....	1.000	1.000
Towed.....	1.875	1.875	Lathers (wood, wire, and metal).....	2.375	2.375	Building laborers.....	.900	.900
Self-propelled.....	2.125	2.250	Machinists.....	2.000	2.000	Composition roofers' helpers.....	.800	.800
Hoists:			Marble setters.....	2.325	2.500	Marble setters' helpers.....	1.000	1.000
1 drum.....	1.875	1.875	Mosaic and terrazzo workers.....	2.000	2.500	Plasterers' laborers.....	1.000	1.000
2 drums or more.....	2.125	2.250	Painters.....	2.125	2.125			
Locomotives.....	2.125	2.250	Spray.....	2.375	2.375	JACKSONVILLE, FLA.		
Mixers:			Paperhangers.....	2.125	2.125	<i>Journey men</i>		
Less than 14 cubic feet.....	1.875	1.875	Plasterers.....	2.500	2.500	Asbestos workers.....	2.000	2.250
14 cubic feet or over.....	2.125	2.250	Plumbers.....	2.425	2.500	Boilermakers.....	2.250	2.350
Pumps, larger than 2 inches.....	1.875	1.875	Rodmen.....	2.450	2.450	Bricklayers.....	2.300	2.300
Scrapers:			Roofers, composition.....	1.750	1.900	Carpenters.....	1.700	1.750
3 cubic yards or less.....	1.875	1.875	Roofers, slate and tile.....	2.000	2.150	Millwrights.....	2.000	2.000
Over 3 cubic yards.....	2.125	2.250	Sheet-metal workers.....	2.300	2.350	Cement finishers.....	1.600	1.600
Tractors.....	1.875	1.875	Sign painters.....	1.935	2.030	Electricians (inside wiremen).....	2.375	2.375
Trenching machines, all sizes.....	2.125	2.250	Steam fitters.....	2.425	2.500	Elevator constructors.....	2.235	2.285
Glaziers.....	1.875	2.000	Carvers.....	1.935	1.935	Engineers—Power equipment operators:		
Lathers.....	2.750	2.750	Planermen.....	2.105	2.105	Air compressors.....	1.475	1.475
Machinists.....	2.250	2.375	Stonemasons.....	1.685	1.685	Bulldozers.....	1.475	1.475
Marble setters.....	2.250	2.375	Structural-iron workers.....	2.575	2.750	Cranes, derricks, draglines, pile drivers.....	1.800	1.800
Mosaic and terrazzo workers.....	2.250	2.375	Tile layers.....	2.450	2.450	Graders, scrapers, finishing machines.....	1.475	1.475
Painters.....	1.875	2.000		2.325	2.500	Hoists, 1 and 2 drums.....	1.800	1.800
Steel spray on stage.....	2.250	2.500	<i>Helpers and laborers</i>			Mixers.....	1.475	1.475
Steel brush swing stage.....	2.125	2.250	Bricklayers' tenders.....	1.700	1.750	Pumps.....	1.375	1.375
Steel spray.....	2.125	2.375	Building laborers.....	1.500	1.500	Rollers.....	1.475	1.475
Paperhangers.....	1.875	2.000	Concrete breakers.....	1.650	1.650	Shovels.....	1.800	1.800
Plasterers.....	2.750	2.750	Composition roofers' helpers.....	1.350	1.450	Tractors.....	1.475	1.475
Plumbers.....	2.375	2.375	Elevator constructors' helpers.....	1.635	1.725	Trenching machines.....	1.625	1.625
Rodmen.....	2.000	2.125	Plasterers' laborers.....	1.700	1.750	Glaziers.....	1.750	1.750
Roofers, composition.....	1.875	2.000	Plumbers' laborers.....	1.500	1.500	Lathers.....	2.250	2.250
Roofers, slate and tile.....	2.375	2.500	JACKSON, MISS.			Machinists.....	1.800	2.000
Sheet-metal workers.....	2.375	2.500	<i>Journey men</i>			Marble setters.....	2.300	2.300
Sign painters.....	2.375	2.375	Bricklayers.....	2.500	2.500	Mosaic and terrazzo workers.....	2.000	2.000
Steam fitters.....	2.250	2.375	Carpenters.....	1.900	1.900	Painters.....	1.625	1.625
Stonemasons.....	2.500	2.750	Millwrights.....	2.025	2.025	Spray.....	2.000	2.000
Structural-iron workers.....	2.125	2.250	Cement finishers.....	2.150	2.150	Paperhangers.....	1.875	1.875
Tile layers.....	2.250	2.375	Electricians (inside wiremen).....	2.000	2.250	Plasterers.....	2.250	2.250
<i>Helpers and laborers</i>			Engineers—Power equipment operators:			Plumbers.....	2.500	2.500
Bricklayers' tenders.....	1.275	1.400	Air compressors.....	1.650	1.650	Rodmen.....	1.600	1.750
Hod carriers.....	1.375	1.500	Bulldozers.....	1.900	1.900	Roofers, composition.....	1.500	1.650
Building laborers.....	1.075	1.200	Cranes, derricks, draglines, pile drivers.....	2.025	2.025	Roofers, slate and tile.....	1.500	1.650
Elevator constructors' helpers.....	1.700	1.750	Graders, elevating and road.....	1.900	1.900	Sheet-metal workers.....	1.650	1.800
Marble setters' helpers.....	1.375	1.375	Hoists.....	1.900	1.900	Sign painters.....	2.000	2.000
Plasterers' laborers.....	1.375	1.500	Locomotive, dinkey operators.....	1.900	1.900	Steam fitters.....	2.500	2.500
Tile layers' helpers.....	1.375	1.375	Mixers.....	1.900	1.900	Stonemasons.....	2.300	2.300
INDIANAPOLIS, IND.			Pumps.....			Structural and ornamental-iron workers.....		
<i>Journey men</i>			Rollers, scrapers.....			workers.....		
Asbestos workers.....	2.350	2.500	Shovels.....	2.025	2.025	Tile layers.....	2.000	2.000
Boilermakers.....	2.350	2.500	Tournapulls, carry-alls.....	2.025	2.025		2.000	2.000
Bricklayers.....	2.575	2.750				<i>Helpers and laborers</i>		

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
LOS ANGELES, CALIF.—Con.			LOUISVILLE, KY.—Continued			MEMPHIS, TENN.—Con.		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Granite cutters.....	\$1.750	\$1.875	Paperhangers.....	\$1.750	\$1.750	Bricklayers.....	\$2.500	\$2.500
Lathers.....	2.250	3.125	Plasterers.....	2.400	2.500	Carpenters and millwrights.....	1.825	1.900
Machinists.....	2.450	2.450	Plumbers.....	2.375	2.375	Cement finishers.....	1.825	1.900
Marble setters.....	2.400	2.500	Rodmen.....	2.100	2.150	Machine operators.....	1.950	2.025
Mosaic and terrazzo workers.....	2.400	2.400	Roofers, composition.....	1.700	1.800	Electricians (inside wiremen).....	2.375	2.400
Painters.....	2.000	2.220	Roofers, slate and tile.....	2.100	2.150	Elevator constructors.....	2.360	2.450
Spray.....	2.250	2.470	Sheet-metal workers.....	2.100	2.150	Engineers—Power equipment operators:		
Swing stage, brush.....	2.125	2.350	Sign painters.....	1.875	2.050	Air compressors:		
Swing stage, spray.....	2.375	2.590	Steam fitters.....	2.375	2.500	Portable.....	1.375	1.375
Paperhangers.....	2.125	2.350	Stonecutters.....	1.925	1.925	Stationary.....	1.625	1.625
Plasterers.....	2.500	3.125	Planermen.....	1.685	1.685	Bulldozers.....	1.750	1.750
Plumbers.....	2.500	2.500	Stonecarvers.....	2.035	2.035	Cranes, derricks, draglines, pile drivers.....	2.000	2.000
Rodmen.....	2.113	2.200	Stonemasons.....	2.600	2.775	Derricks (no boom).....	1.750	1.750
Roofers, composition.....	2.250	2.250	Structural-iron workers and ornamental finishers.....	2.300	2.350	Graders.....	1.750	1.750
Roofers, slate and tile.....	2.250	2.250	Tile layers.....	2.250	2.250	Hoists:		
Sheet-metal workers.....	2.150	2.250				1 drum.....	1.625	1.625
Sign painters:			<i>Helpers and laborers</i>			2 or more drums.....	1.875	1.875
Advertising.....	2.310	2.310	Bricklayers' tenders.....	1.650	1.700	Locomotives.....	1.750	1.750
Commercial.....	2.400	2.400	Building laborers.....	1.400	1.450	Mixers:		
Steam fitters.....	2.500	2.500	Elevator constructors' helpers.....	1.675	1.715	11S or smaller.....	1.375	1.375
Refrigeration fitters.....	2.100	2.100	Marble setters' helpers.....	1.450	1.450	Mobilizers.....	1.625	1.625
Sprinkler fitters.....	2.500	2.500	Plasterers' laborers.....	1.650	1.700	Larger than 11S.....	1.750	1.750
Stonemasons.....	2.625	2.750	Plumbers' laborers.....	1.400	1.450	Pumps:		
Structural-iron workers.....	2.300	2.380	Terrazzo workers' helpers.....	1.450	1.450	Under 4-inch discharge.....	1.125	1.125
Finishers.....	2.175	2.255	Base grinders.....	1.700	1.700	On excavation.....	1.250	1.250
Tile layers.....	2.500	2.500	Flat grinders.....	1.550	1.550	4-inch and larger.....	1.375	1.375
			Tile layers' helpers.....	1.450	1.450	Rollers, top and sheepfoot.....	1.750	1.750
<i>Helpers and laborers</i>			MANCHESTER, N. H.			<i>Helpers and laborers</i>		
Bricklayers' tenders.....	1.750	1.830	<i>Journeyman</i>			<i>Helpers and laborers</i>		
Building laborers.....	1.487	1.570	Bricklayers.....	2.500	2.500	Scrapers:		
Elevator constructors' helpers.....	1.730	1.750	Carpenters.....	1.800	2.000	Under 12 yards.....	1.625	1.625
Marble setters' helpers.....	1.750	1.875	Cement finishers.....	2.500	2.750	Over 12 yards.....	1.750	1.750
Plasterers' laborers.....	2.150	2.150	Electricians (inside wiremen).....	1.750	1.900	Shovels.....	2.000	2.000
Terrazzo workers' helpers.....	1.875	1.875	Engineers—Power equipment operators:			Tournapulls.....	1.750	1.750
Base-machine operators.....	2.125	2.125	Building construction:			Tractors:		
Tile layers' helpers.....	1.850	1.875	Heavy equipment:			40 horsepower or less.....	1.375	1.375
			Cranes, 3-drum hoists and over, power shovels, trenching machines, pile drivers.....	2.275	2.275	Over 40 horsepower.....	1.625	1.625
LOUISVILLE, KY.			Medium equipment:			Trenching machines.....	1.750	1.750
<i>Journeyman</i>			Scrapers, tournapulls.....	1.875	1.875	Glaziers.....	1.625	1.700
Asbestos workers.....	2.250	2.325	Bulldozers.....	1.825	1.825	Lathers.....	2.000	2.250
Boilermakers.....	2.250	2.350	Light equipment:			Marble setters.....	2.250	2.250
Bricklayers.....	2.600	2.650	One- and two-drum hoists, pumps, boilers or compressors.....	1.825	1.825	Mosaic and terrazzo workers.....	2.250	2.250
Carpenters, millwrights, parquetry floor layers, wharf and bridge, and pile drivers.....	2.100	2.150	Heavy construction:			Painters:		
Cement finishers.....	2.100	2.150	Heavy equipment:			Residential.....	1.875	1.875
On scaffold.....	2.300	2.350	Cranes, 3-drum hoists and over, power shovels, trenching machines, pile drivers.....	2.275	2.275	Commercial, spray, structural steel.....	2.000	2.000
Electricians (inside wiremen) and fixture hangers.....	2.375	2.450	Medium equipment:			Paperhangers.....	1.875	1.875
Elevator constructors.....	2.390	2.450	Scrapers, tournapulls.....	1.875	1.875	Plasterers.....	2.813	2.813
Engineers—Power equipment operators:			Bulldozers.....	1.825	1.825	Plumbers.....	2.250	2.400
Building construction:			Light equipment:			Rodmen.....	1.800	1.875
Heavy equipment:			One- and two-drum hoists, pumps, boilers or compressors.....	1.825	1.825	Roofers, composition.....	1.650	1.650
Cranes, hoists, and shovels.....	2.150	2.200	Heavy construction:			Roofers, slate and tile.....	1.900	1.900
Medium equipment:			Heavy equipment:			Sheet-metal workers.....	2.000	2.125
Bulldozers.....	2.150	2.200	Cranes, 3-drum hoists and over, power shovels, trenching machines, pile drivers.....	2.275	2.275	Sign painters.....	2.125	2.125
Compressors and mixers.....	1.950	2.000	Medium equipment:			Steam fitters.....	2.250	2.400
Light equipment:			Scrapers and tournapulls.....	1.875	1.875	Stonemasons.....	2.500	2.500
Firemen.....	1.950	2.000	Bulldozers.....	1.825	1.825	Structural and ornamental-iron workers.....	1.950	2.025
Oilers.....	1.700	1.750	Light equipment:			Tile layers.....	2.250	2.250
Pumps.....	1.700	1.750	1- and 2-drum hoists, pumps, boilers or compressors.....	1.825	1.825			
Heavy construction:			Painters.....	1.825	1.825	<i>Helpers and laborers</i>		
Heavy equipment:			Paperhangers.....	1.450	1.600	Bricklayers' tenders.....	1.250	1.250
Bulldozers, cranes, and scoops.....	2.150	2.200	Plasterers.....	1.450	1.600	Building laborers.....	.875	.900
Medium equipment:			Plumbers.....	2.500	2.500	Composition roofers' helpers.....	.800	.800
Compressors.....	1.950	2.000	Rodmen.....	2.125	2.125	Elevator constructors' helpers.....	1.650	1.710
Derricks and tractors.....	2.150	2.200	Steam fitters.....	2.250	2.500	Plasterers' laborers.....	1.250	1.250
Light equipment:			Structural-iron workers.....	2.250	2.500			
Firemen.....	1.950	2.000				MIAMI, FLA.		
Oilers.....	1.550	1.750	<i>Helpers and laborers</i>			<i>Journeyman</i>		
Pumps.....	1.550	1.750	Bricklayers' tenders.....	1.450	1.550	Bricklayers.....	2.500	2.500
Glaziers.....	1.900	2.000	Building laborers.....	1.250	1.350	Carpenters.....	2.063	2.063
Lathers.....	2.250	2.350	Plasterers' laborers.....	1.500	1.550	Floor layers.....	2.100	2.100
Machinists.....	2.350	2.350				Cement finishers.....	2.500	2.500
Marble setters.....	2.250	2.250	MEMPHIS, TENN.			Electricians (inside wiremen).....	2.500	2.500
Mosaic and terrazzo workers.....	2.250	2.250	<i>Journeyman</i>			Elevator constructors.....	2.500	2.500
Painters.....	1.860	2.010	Asbestos workers.....	2.250	2.375	Engineers—Power equipment operators:		
Structural steel.....	2.360	2.510	Boilermakers.....	2.250	2.350	Air compressors.....	1.750	1.750
Spray.....	2.700	3.015				Steel erection.....	2.250	2.250
Stage.....	1.985	2.135				Bulldozers.....	1.500	1.500
						Cranes, derricks, draglines, pile drivers.....	2.000	2.000

2 30-hour workweek.

3 35-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
MOBILE, ALA.—Continued			NEWARK, N. J.—Continued			NEW HAVEN, CONN.—Con.		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Lathers.....	\$2.040	\$2.040	Mosaic and terrazzo workers.....	\$2.750	\$3.000	Structural-iron workers.....	\$2.500	\$2.750
Marble setters.....	2.550	2.550	Painters.....	2.500	2.500	Tile layers.....	2.400	2.500
Mosaic and terrazzo workers.....	2.550	2.550	Hardwood finishers.....	2.325	2.325	<i>Helpers and laborers</i>		
Painters.....	1.800	1.800	Structural steel.....	2.750	2.750	Bricklayers' tenders.....	1.550	1.650
Spray.....	2.300	2.300	Paperhangers.....	2.500	2.500	Building laborers.....	1.550	1.650
Structural steel.....	2.050	2.050	Plasterers.....	3.250	3.250	Elevator constructors' helpers.....	1.690	1.690
Swing stage.....	1.925	2.050	Plumbers.....	2.750	2.875	Marble setters' helpers.....	1.650	1.650
Paperhangers:			Rodmen.....	3.100	3.100	Plasterers' laborers.....	1.550	1.650
Provided tools are furnished.....	1.800	1.800	Roofers, composition.....	2.850	2.850	Terrazzo workers' helpers.....	1.650	1.650
Provided tools are not furnished.....	1.925	1.925	Roofers, slate and tile.....	3.000	3.000	Tile layers' helpers.....	1.650	1.650
Plasterers.....	2.040	2.040	Sheet-metal workers.....	2.750	2.750	NEW ORLEANS, LA.		
Plumbers.....	2.250	2.250	Sign painters.....	2.500	2.500	<i>Journeyman</i>		
Rodmen.....	1.990	1.990	Inside.....	2.150	2.250	Asbestos workers.....	2.250	2.425
Roofers, composition.....	1.840	1.840	Steam fitters.....	2.875	2.875	Home insulators.....	1.725	1.825
Roofers, slate and tile.....	1.840	1.840	Sprinkler fitters.....	2.375	2.500	Boilermakers.....	2.250	2.250
Sheet-metal workers.....	1.840	1.840	Stonemasons.....	3.250	3.250	Bricklayers.....	2.500	2.600
Steam fitters.....	2.250	2.250	Structural-iron workers.....	3.100	3.100	Carpenters.....	1.875	1.975
Stonemasons.....	2.550	2.550	Tile layers.....	2.750	2.750	Millwrights.....	2.000	2.100
Structural and ornamental-iron workers.....	2.240	2.240	<i>Helpers and laborers</i>			Cement finishers.....	1.875	1.975
Sheeters and finishers.....	2.490	2.490	Bricklayers' tenders.....	2.125	2.190	Electricians (inside wiremen).....	2.300	2.400
Tile layers.....	2.550	2.550	Building laborers.....	2.125	2.190	Elevator constructors.....	2.240	2.395
<i>Helpers and laborers</i>			Composition roofers' helpers.....	1.500	1.500	Engineers—Power equipment operators:		
Bricklayers' tenders.....	1.050	1.050	Elevator constructors' helpers.....	2.035	2.200	Air compressors.....	1.725	1.825
Mortar mixers.....	1.150	1.150	Plasterers' laborers.....	2.125	2.190	Bulldozers.....	1.875	1.975
Building laborers.....	1.050	1.050	Steam fitters' helpers.....	1.875	1.875	Cranes, derricks, draglines, pile drivers.....	2.125	2.225
Composition roofers' helpers.....	1.000	1.000	Sprinkler fitters' helpers.....	1.500	1.625	Graders, blade.....	1.725	1.825
Elevator constructors' helpers.....	1.585	1.585	Terrazzo workers' helpers.....	2.200	2.400	Hoists:		
Marble setters' helpers.....	1.050	1.050	Tile layers' helpers.....	2.200	2.200	1 drum, under 4 stories.....	1.725	1.825
Plasterers' laborers.....	1.050	1.050	NEW HAVEN, CONN.			1 drum, 4 stories and over.....	2.125	2.225
Tile layers' helpers.....	1.050	1.050	<i>Journeyman</i>			2 drums.....	2.125	2.225
NEWARK, N. J.			Asbestos workers.....	2.325	2.325	Mixers:		
<i>Journeyman</i>			Bricklayers.....	2.400	2.500	16S and smaller.....	1.725	1.825
Asbestos workers.....	2.625	2.875	Carpenters.....	2.100	2.250	Pumps:		
Home insulators.....	1.650	1.650	Cement finishers.....	2.400	2.500	3 inches and under.....	1.250	1.300
Boilermakers.....	2.750	3.000	Electricians (inside wiremen).....	2.250	2.400	Over 3 inches.....	1.725	1.825
Bricklayers.....	3.250	3.250	Elevator constructors.....	2.410	2.410	Rollers:		
Carpenters.....	3.000	3.000	Engineers—Power equipment operators:			Brick and asphalt.....	2.125	2.225
Wharf and bridge.....	2.750	3.000	Heavy equipment:			Except brick and asphalt.....	1.725	1.825
Millwrights.....	3.000	3.000	Cranes, steel.....	2.370	2.470	Scrappers.....	1.875	1.975
Cement finishers.....	3.250	3.250	Shovels.....	2.200	2.300	Shovels.....	2.125	2.225
Electricians (inside wiremen).....	3.000	3.000	Derricks.....	2.370	2.470	Trenching machines.....	2.125	2.225
Elevator constructors.....	2.750	3.000	Medium equipment:			Glaziers.....	1.800	1.875
Engineers—Power equipment operators:			Hod-hoists.....	2.200	2.300	Lathers.....	2.175	2.275
Building construction:			Compressors.....	1.850	2.250	Machinists.....	2.250	2.250
Heavy equipment:			Bulldozers.....	1.800	2.000	Marble setters.....	2.500	2.600
Power shovels, cranes.....	3.000	3.000	Light equipment:			Mosaic and terrazzo workers.....	2.250	2.250
Power cranes (steel erection).....	3.250	3.250	Well-points system.....	1.850	2.250	Painters.....	1.750	1.800
Trench machines, paving mixers.....	3.000	3.000	Welding machines—steel.....	2.370	2.250	Spray, structural steel and swing stage.....	2.000	2.050
Medium equipment:			Small concrete mixers, under 5 bags.....	1.850	1.900	Paperhangers.....	1.750	1.800
Hoists (single or double drum).....	3.000	3.000	5 bags and over.....	2.000	2.050	Plasterers.....	2.000	2.275
Central power plants.....	3.000	3.000	Engineers—heavy construction:			Plumbers.....	2.250	2.350
Concrete tower hoists.....	3.175	3.175	Heavy equipment:			Rodmen.....	1.950	2.050
Light equipment:			Shovels, pile drivers, draglines.....	2.200	2.300	Roofers, composition.....	1.725	1.825
Air compressors (single).....	2.750	2.750	Medium equipment:			Roofers, slate and tile.....	1.725	1.825
Pumps and small mixers.....	2.750	2.750	Pavers.....	2.200	2.300	Sheet-metal workers.....	1.925	2.025
Concrete pumps.....	2.750	2.750	Pumps.....	1.850	1.900	Sign painters.....	2.150	2.150
Heavy construction:			Bulldozers.....	1.800	1.900	Steam and sprinkler fitters.....	2.250	2.350
Heavy equipment:			Light equipment:			Stonemasons.....	2.500	2.600
Power shovels, cranes, drag lines.....	3.000	3.000	Compressors.....	1.850	1.900	Structural and ornamental-iron workers.....	2.250	2.350
Pile driving machines.....	3.125	3.125	Welding machines.....	2.200	2.250	Tile layers.....	2.250	2.250
Back hoes, concrete pavers.....	3.000	3.000	Small concrete mixers, under 5 bags.....	1.850	1.900	<i>Helpers and laborers</i>		
Medium equipment:			5 bags and over.....	2.000	2.050	Bricklayers' tenders.....	1.125	1.200
Cassion hoists.....	3.000	3.000	Marble setters.....	2.400	2.500	When mortar is mixed by machine.....	1.225	1.300
Shaft hoists.....	3.000	3.000	Painters.....	2.000	2.000	Building laborers.....	1.025	1.100
Excavating carry-all.....	2.750	2.750	Paperhangers.....	2.000	2.000	Composition roofers' helpers.....	1.050	1.100
Light equipment:			Plasterers.....	2.400	2.500	Elevator constructors' helpers.....	1.570	1.680
Small mixers, pumps.....	2.750	2.750	Plumbers.....	2.250	2.375	Marble setters' helpers.....	1.225	1.225
Front end loaders and conveyors.....	2.750	2.750	Rodmen.....	2.500	2.750	Plasterers' laborers.....	1.225	1.300
Concrete pumps.....	2.750	2.750	Roofers, composition.....	2.250	2.350	When mortar is mixed by machine.....	(¹)	1.400
Glaziers.....	2.600	2.600	Roofers, slate and tile.....	2.500	2.600	Plumbers' laborers.....	1.050	1.250
Lathers.....	2.750	3.000	Pre-cast slabs.....	2.750	2.850	Steam and sprinkler fitters' helpers.....	1.050	1.250
Machinists.....	2.400	2.500	Sheet-metal workers.....	2.250	2.250	Terrazzo workers' helpers.....	1.225	1.225
			Sign painters.....	2.000	2.000	Tile layers' helpers.....	1.225	1.225
			Steam and sprinkler fitters.....	2.250	2.375			
			Stonemasons.....	2.400	2.500			

¹ Information not available for rate and hours on July 1, 1949.² 35-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
NEW YORK, N. Y.			NEW YORK, N. Y.—Continued			OAKLAND, CALIF.—Continued		
<i>Journey men</i>			<i>Helpers and laborers</i>			<i>Journey men—Continued</i>		
Asbestos workers.....	\$2.750	\$3.000	Bricklayers' tenders.....	\$1.950	\$2.150	Carpenters.....	\$2.160	\$2.225
Boilermakers.....	2.750	3.000	Building laborers.....	1.950	2.150	Floor layers.....	2.285	2.285
Bricklayers.....	3.200	3.250	Excavating.....	1.700	1.900	Millwrights.....	2.285	2.285
Carpenters.....	2.750	3.000	Elevator constructors' helpers.....	2.035	2.200	Shinglers.....	2.285	2.285
Wharf and bridge.....	2.750	3.000	Plasterers' laborers.....	2.300	2.300	Cement finishers.....	2.150	2.200
Cement finishers.....	2.750	3.000	Brooklyn.....	2.400	2.400	Composition.....	2.275	2.325
Electricians (inside wiremen).....	3.000	3.000	Plumbers' laborers.....	1.900	1.900	Machine men.....	2.275	2.325
Elevator constructors.....	2.750	3.000	Excavating.....	1.900	1.900	Electricians (inside wiremen).....	2.500	2.550
Engineers—Power equipment operators:			Terrazzo workers' helpers.....	2.200	2.400	Elevator constructors.....	2.530	2.530
Building construction:			Tile layers' helpers.....	2.200	2.200	Engineers—Power equipment operators:		
Heavy equipment:			NORFOLK, VA.			Building construction:		
Steel erection (cranes and derricks).....	3.250	3.500	<i>Journey men</i>			Heavy equipment:		
Hoists and concrete buckets (stone derricks).....	3.000	3.250	Asbestos workers.....	2.125	2.250	Derricks.....	2.375	2.440
Scrapers and tournapulls.....	2.500	2.750	Bricklayers.....	2.500	2.500	Tractor-type shovel loaders.....	2.375	2.440
Medium equipment:			Carpenters.....	1.750	1.750	Medium equipment:		
Welding machines and compressors.....	2.750	3.000	Millwrights.....	2.100	2.100	Material hoists.....	2.125	2.190
Plaster (platform machines).....	3.000	3.250	Cement finishers.....	1.750	1.750	Mixermobiles.....	2.275	2.340
Bulldozers, tractors, locomotives (10 tons and under), motor patrols, road finishing machines, mixers under 21E.....	2.375	2.625	Electricians (inside wiremen).....	2.100	2.250	Scoombobiles (when used as a hoist).....	2.125	2.190
Heavy construction:			Elevator constructors.....	2.200	2.310	Scoombobiles (when used as a loader).....	2.275	2.340
Heavy equipment:			Engineers—Power equipment operators:			Light equipment:		
Shovels.....	3.125	3.500	Air compressors.....	1.750	1.750	Compressors.....	1.875	1.940
Pile drivers.....	3.125	3.375	Bulldozers.....	1.875	1.875	Compressors (more than one).....	2.175	2.240
Cranes (digging bucket).....	3.000	3.250	Cranes, derricks, draglines, pile drivers.....	2.000	2.000	Towermobiles.....	2.125	2.190
Scrapers and tournapulls.....	2.500	2.750	Graders:			Concrete mixers (up to 1 yard).....	1.875	1.940
Medium equipment:			Blade.....	1.750	1.750	Heavy construction:		
Cranes (structural steel).....	3.250	3.500	Motor.....	1.875	1.875	Heavy equipment:		
Mixers (concrete) and power houses.....	2.875	3.125	Hoists:			Power shovels (up to and including 1 yard).....	2.525	2.590
Bulldozers, tractors, locomotives (10 tons and under), motor patrols, road finishing machines, mixers under 21E.....	2.375	2.625	1 drum.....	1.750	1.750	Power shovels (over 1 yard).....	2.625	2.690
Light equipment:			2 or more drums.....	2.000	2.000	LeTourneau pulls.....	2.375	2.440
Compressors (portable, 3 or more in battery), double-drum hoists and pumps (concrete).....	2.750	3.000	Locomotives.....	1.750	1.750	Highline cableways.....	2.525	2.590
Glaziers.....	2.750	3.000	Mixers:			Medium equipment:		
Granite cutters.....	2.714	2.714	108 or smaller.....	1.625	1.625	Mucking machines.....	2.350	2.410
Outside.....	2.571	2.571	Larger than 108.....	1.750	1.750	Dual-drum mixers.....	2.275	2.340
Inside.....	2.286	2.286	Pumps:			Tractors.....	2.225	2.290
Lathers.....	3.000	3.000	2-inch discharge.....	1.525	1.525	Light equipment:		
Brooklyn.....	2.750	2.750	Over 2-inch discharge.....	1.750	1.750	Locomotives.....	1.975	2.040
Queens.....	2.857	2.857	Rollers.....	1.750	1.750	Locomotives (steam or over 30 tons).....	2.225	2.290
Machinists.....	2.750	2.750	Scrapers.....	2.000	2.000	Truck cranes.....	2.375	2.440
Marble setters.....	2.750	2.750	Shovels.....	2.000	2.000	Glaziers.....	2.000	2.080
Mosaic and terrazzo workers.....	2.750	3.000	Tournapulls.....	2.000	2.000	Lathers.....	3.000	3.000
Painters.....	2.450	2.450	Tractors:			Mosaic and terrazzo workers.....	2.250	2.250
Brooklyn and Long Island City.....	2.500	2.500	Without attachments.....	1.750	1.750	Dry-base machine operators.....	2.250	2.250
Jamaica and Flushing.....	2.550	2.550	With attachments.....	2.000	2.000	Painters.....	3.150	3.275
Swing stage.....	2.914	2.914	Trenching machines.....	2.000	2.000	Plasterers.....	3.000	3.000
Decorators and grainers.....	3.000	3.000	Glaziers.....	1.875	1.875	Plumbers.....	2.500	2.500
Structural steel.....	2.800	2.800	Lathers:			Rodmen.....	2.150	2.250
Plasterers.....	3.200	3.200	Rock.....	2.250	2.250	Roofers.....	2.250	2.250
Long Island City and Flushing.....	3.200	3.300	Metal.....	2.500	2.500	Sheet-metal workers.....	2.250	2.313
Plumbers.....	3.000	3.000	Marble setters.....	2.250	2.250	Sign painters.....	3.400	3.400
Richmond.....	2.857	3.000	Mosaic and terrazzo workers.....	2.250	2.250	Outdoor advertising.....	3.310	3.310
Brooklyn and Queens.....	2.813	3.100	Painters.....	1.875	1.875	Steam fitters.....	2.500	2.625
Rodmen.....	2.750	3.000	Spray.....	2.125	2.125	Stone masons.....	2.813	3.000
Roofers, composition.....	2.750	3.000	Structural steel.....	2.125	2.125	Structural-iron workers.....	2.400	2.500
Roofers, slate and tile.....	2.750	3.000	Paperhangers.....	1.875	1.875	Ornamental.....	2.250	2.350
Brooklyn and Queens.....	3.250	3.250	Plasterers.....	2.500	2.500	<i>Helpers and laborers</i>		
Sheet-metal workers.....	2.750	3.100	Plumbers.....	2.250	2.250	Bricklayers' tenders.....	2.250	2.450
Sign painters.....	2.527	2.527	Rodmen.....	1.900	1.960	Building laborers.....	1.550	1.550
Outdoor advertising.....	3.221	3.221	Sheet-metal workers.....	1.750	1.900	Elevator constructors' helpers.....	1.770	1.770
Silk screen process.....	2.300	2.300	Sign painters.....	1.875	1.875	Plasterers' laborers.....	2.650	2.650
Steam and sprinkler fitters.....	2.750	3.100	Steam fitters.....	2.250	2.250	Terrazzo workers' helpers.....	1.785	1.785
Stonecutters.....	2.750	3.000	Stonemasons.....	2.500	2.500	Wet-machine men.....	1.785	1.785
Stonemasons.....	3.200	3.200	Structural- and ornamental-iron workers.....	2.150	2.210	Terrazzo polishers.....	1.785	1.785
Long Island.....	3.000	3.250	Tile layers.....	2.250	2.250	OKLAHOMA CITY, OKLA.		
Structural-iron workers.....	3.000	3.250	<i>Helpers and laborers</i>			<i>Journey men</i>		
Finishers.....	2.750	3.000	Building laborers.....	.800	.900	Asbestos workers.....	2.250	2.250
Tile layers.....	2.750	2.750	Elevator constructors' helpers.....	1.540	1.620	Bricklayers.....	3.000	3.000
			OAKLAND, CALIF.			Carpenters.....	2.125	2.200
			<i>Journey men</i>			Millwrights and pile drivers.....	2.300	2.375
			Asbestos workers.....	2.160	2.350	Cement finishers.....	2.250	2.250
			Boilermakers.....	2.350	2.430	Electricians (inside wiremen).....	2.250	2.350
			Bricklayers.....	2.813	3.000	Elevator constructors.....	2.500	2.595

* 30-hour workweek.

* 35-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
OKLAHOMA CITY, OKLA.—Continued			OMAHA, NEBR.—Continued			PEORIA, ILL.—Continued		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Helpers and laborers</i>		
Glaziers	\$1.750	\$1.750	Rodmen and reinforcers	\$2.175	\$2.175	Bricklayers' tenders	\$1.700	\$1.700
Lathers	3.000	3.000	Roofers, composition	1.725	1.725	Building laborers	1.700	1.700
Marble setters	2.250	2.500	Roofers, slate and tile	1.925	1.925	Elevator constructors' helpers	1.690	1.770
Mosaic and terrazzo workers	2.250	2.500	Sheet-metal workers	2.000	2.150	Marble setters' helpers	1.700	1.750
Painters	1.875	1.875	Steam fitters	2.350	2.350	Plasterers' laborers	1.825	1.825
Spray and structural steel	2.125	2.125	Stonemasons	2.400	2.400	Mortar mixers	1.700	1.700
Swing stage and scaffold over 30 feet	2.125	2.125	Structural-iron workers	2.175	2.175	Terrazzo workers' helpers	1.700	1.750
Paperhangers	1.875	1.875	Tile layers	2.250	2.250	Base-machine operators	1.700	2.000
Plasterers	3.000	3.000				Tile layers' helpers	1.700	1.750
Plumbers	2.375	2.375						
Rodmen	2.125	2.125						
Roofers, composition	1.650	1.900						
Roofers, slate and tile	1.650	1.900						
Sheet-metal workers	2.000	2.250						
Sign painters	2.000	2.000						
Steam fitters	2.250	2.375						
Stonemasons	3.000	3.000						
Structural and ornamental-iron workers	2.125	2.125						
Tile layers	2.250	2.500						
<i>Helpers and laborers</i>			<i>Helpers and laborers</i>			PHILADELPHIA, PA.		
Bricklayers' tenders	1.350	1.450	Bricklayers' tenders and mortar mixers	1.300	1.300	<i>Journeyman</i>		
Building laborers	1.200	1.300	Hod carriers	1.425	1.425	Asbestos workers	2.625	2.675
Elevator constructors' helpers	1.750	1.810	Building laborers	1.300	1.300	Home insulators	1.550	1.550
Plasterers' laborers	1.350	1.450	Elevator constructors' helpers	1.630	1.630	Boilermakers	2.500	2.750
Plumbers' laborers	1.350	1.450	Marble setters' helpers	1.550	1.550	Bricklayers	3.000	3.250
			Plasterers' laborers	1.425	1.425	Speculative	3.000	3.000
			Terrazzo workers' helpers	1.550	1.550	Operative	2.860	2.860
			Base-machine operators	1.700	1.700	Carpenters	2.400	2.525
			Tile layers' helpers	1.550	1.550	Cement finishers	2.400	2.525
						Residential or speculative	2.340	2.340
						Electricians (inside wiremen)	2.750	2.875
						Residential	2.450	2.470
						Elevator constructors	2.730	2.940
						Engineers—Power equipment operators		
						Building construction:		
						Heavy equipment:		
						Cranes (all types), derricks, power shovels	2.900	2.900
						Medium equipment:		
						Tournapulls	2.525	2.525
						Carry-alls	2.500	2.525
						Bulldozers and tractors	2.275	2.275
						Light equipment:		
						Welding machines	2.300	2.300
						Compressors and pumps	2.175	2.175
						Heavy construction:		
						Heavy equipment:		
						Cranes (all types), power shovels, cableways	2.900	2.900
						Medium equipment:		
						Tournapulls	2.525	2.525
						Carry-alls	2.500	2.525
						Bulldozers and tractors	2.275	2.275
						Light equipment:		
						Welding machines	2.300	2.300
						Compressors and pumps	2.175	2.175
						Glaziers	2.190	2.375
						30 feet or more above ground	3.000	3.600
						Granite cutters	1.928	1.928
						Without shed or cover	2.178	2.178
						Lathers	2.850	2.850
						Residential or speculative	2.340	2.340
						Machinists	2.400	2.400
						Marble setters	2.600	2.750
						Mosaic and terrazzo workers	2.600	2.750
						Painters	2.150	2.150
						Steel, spray and swing stage	2.275	2.275
						Paperhangers	2.132	2.132
						Plasterers	3.000	3.000
						Residential or speculative	2.600	2.600
						Plumbers	2.750	2.750
						Rodmen	2.400	2.400
						Roofers, composition	2.275	2.375
						Roofers, slate and tile	2.700	2.700
						Sheet-metal workers	2.575	2.575
						Sign painters	2.150	2.225
						Outdoor advertising	2.245	2.325
						Steam fitters	2.750	2.750
						Sprinkler fitters	2.375	2.500
						Stonemasons	3.000	3.250
						Residential or speculative	2.625	2.750
						Structural-iron workers	2.800	2.800
						Tile layers	2.550	2.750
						<i>Helpers and laborers</i>		
						Bricklayers' tenders	1.375	1.475
						Residential	1.510	1.510
						Building laborers	1.375	1.475
						Residential	1.300	1.300
						Elevator constructors' helpers	1.910	2.060

³ 35-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
PHILADELPHIA, PA.—Con.			PITTSBURGH, PA.—Con.			PORTLAND, MAINE—Con.		
<i>Helpers and laborers—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Marble setters' helpers.....	\$1.950	\$2.100	Bricklayers.....	\$2.700	\$3.000	Engineers—Power equipment operators—Continued		
Plasterers' laborers.....	1.950	2.000	Carpenters.....	2.500	2.650	Heavy construction—Con.		
Residential.....	1.845	1.845	Cement finishers.....	2.500	2.750	Medium equipment:		
Sprinkler fitters' helpers.....	1.500	1.600	Electricians (inside wiremen).....	2.625	2.800	Concrete mixers, steam boilers, bulldozers.....	\$2.225	\$2.225
Terrazzo workers' helpers.....	1.950	2.200	Elevator constructors.....	2.565	2.835	Light equipment:		
Tile layers' helpers.....	1.850	2.000	Engineers—Power equipment operators:			Pumps, compressors, welding machines.....	2.150	2.150
PHOENIX, ARIZ.			PORTLAND, MAINE—Con.			PORTLAND, OREG.		
<i>Journeyman</i>			<i>Journeyman</i>			<i>Journeyman</i>		
Asbestos workers.....	2.250	2.250	Building construction:			Asbestos workers.....	2.375	2.375
Boilermakers.....	2.350	2.430	Heavy equipment:			Boilermakers.....	2.350	2.430
Bricklayers.....	3.000	3.000	Shovels, cranes, and carry-all scoops.....	2.650	2.800	Bricklayers.....	2.750	2.750
Carpenters.....	2.100	2.225	Medium equipment:			Carpenters.....	2.100	2.100
Millwrights.....	2.225	2.350	Bulldozers, compressors, and hoists.....	2.550	2.700	Millwrights.....	2.350	2.350
Parquetry floor layers.....	2.350	2.475	Light equipment:			Floor layers.....	2.225	2.225
Cement finishers.....	2.100	2.225	Pumps, rollers and welders.....	2.550	2.700	Pile drivers, bridge, dock, and wharf builders.....	2.200	2.200
Electricians (inside wiremen).....	2.250	2.250	Heavy construction:			Shinglers.....	2.300	2.300
Elevator constructors.....	2.460	2.500	Heavy equipment:			Cement finishers.....	2.213	2.160
Engineers—Power equipment operators:			Shovels, cranes, and ditchers.....	2.550	2.550	Composition workers, mastic workers.....	2.338	2.285
Building construction:			Medium equipment:			Electricians (inside wiremen) and fixture hangers.....	2.350	2.400
Heavy equipment:			Bulldozers, graders, and carry-all scoops.....	2.370	2.370	Elevator constructors.....	2.475	2.475
Elevator hoists.....	1.975	2.100	Light equipment:			Engineers—Power equipment operators:		
Concrete mixers (paving type and mobile mixers).....	2.125	2.250	Compressors, pumps, and rollers.....	2.120	2.120	Building construction:		
A-Frame Boom trucks.....	2.075	2.200	Glaziers.....	2.200	2.325	Heavy equipment:		
Medium equipment:			Lathers.....	2.625	2.875	Power shovels, draglines, and cranes—under 1 cubic yard.....	2.250	2.250
Skip loaders (wheel type).....	1.900	2.025	Machinists.....	2.500	2.625	Power shovels, draglines, and cranes—1 cubic yard and under 5 cubic yards.....	2.350	2.350
Ross Carriers.....	1.900	2.025	Marble setters.....	2.250	2.500	Power shovels, draglines, and cranes—5 cubic yards and over.....	2.700	2.700
Concrete mixers (skip type).....	1.900	2.025	Mosaic and terrazzo workers.....	2.500	2.625	Tractors—over 50 horsepower.....	2.200	2.200
Light equipment:			Painters.....	2.200	2.450	Medium equipment:		
Air compressors.....	1.775	1.900	Grainers.....	2.530	2.780	Blades, power.....	2.200	2.200
Pumps.....	1.775	1.900	Structural steel.....	2.450	2.700	Pile drivers.....	2.300	2.300
Heavy construction:			Paperhangers.....	2.200	2.450	Light equipment:		
Highline cableways.....	2.150	2.350	Plasterers.....	2.625	2.875	Hoists—single drum.....	2.000	2.000
Universal equipment (shovels, draglines, derricks, barges, clamshells, or cranes).....	2.225	2.350	Plumbers.....	2.500	2.750	Hoists—2 or more active drums.....	2.300	2.300
Medium equipment:			Rodmen.....	2.500	2.625	Concrete mixers—1 to 5 bag capacity.....	1.950	1.950
Locomotive engineers.....	2.150	2.275	Roofers, composition.....	2.250	2.500	Concrete mixers—5 bag capacity and over.....	2.100	2.100
Drilling machines, including water wells.....	2.150	2.275	Roofers, slate and tile.....	2.500	2.625	Derricks, live boom.....	2.350	2.350
Trenching machines.....	2.100	2.225	Precast slab.....	2.500	2.625	Heavy construction:		
Light equipment:			Sheet-metal workers.....	2.500	2.625	Heavy equipment:		
Material loaders or conveyors.....	1.775	1.900	Sign painters.....	2.375	2.500	Power shovels, draglines, and cranes—under 1 cubic yard.....	2.250	2.250
Train handlers (other than engine crews).....	1.650	1.775	Over 70 feet.....	2.625	2.750	Power shovels, draglines, and cranes—1 cubic yard and under 5 cubic yards.....	2.350	2.350
Glaziers.....	1.875	1.920	Steam fitters.....	2.500	2.750	Power shovels, draglines, and cranes—5 cubic yards and over.....	2.700	2.700
Lathers.....	2.500	2.500	Sprinkler fitters.....	2.375	2.500	Tractors—over 50 horsepower.....	2.200	2.200
Marble setters.....	3.000	3.000	Stonemasons.....	2.700	3.000			
Mosaic and terrazzo workers.....	3.000	3.000	Structural-iron workers.....	2.500	2.625			
Painters.....	2.000	2.125	Ornamental.....	2.500	2.625			
Spray.....	2.175	2.300	Tile layers.....	2.500	2.650			
Swing stage.....	2.125	2.250	<i>Helpers and laborers</i>					
Structural steel.....	2.250	2.375	Bricklayers' tenders.....	1.750	1.850			
Paperhangers.....	2.125	2.250	Building laborers.....	1.500	1.600			
Plasterers.....	2.500	3.000	Elevator constructors' helpers.....	1.795	1.985			
Plumbers.....	2.250	2.500	Marble setters' helpers.....	1.500	1.675			
Rodmen.....	2.100	2.100	Plasterers' laborers.....	1.750	1.850			
Roofers, composition.....	1.900	2.000	Plumbers' laborers.....	1.575	1.750			
Roofers, slate and tile.....	1.900	2.000	Terrazzo workers' helpers.....	1.875	1.875			
Sheet-metal workers.....	2.000	2.125	Tile layers' helpers.....	1.500	1.770			
Sign painters.....	2.475	2.475	PORTLAND, MAINE					
Steam fitters.....	2.250	2.500	<i>Journeyman</i>					
Stonemasons.....	3.000	3.000	Bricklayers.....	2.250	2.250			
Structural-iron workers.....	2.225	2.225	Carpenters.....	1.650	1.650			
Tile layers.....	3.000	3.000	Cement finishers.....	2.250	2.250			
<i>Helpers and laborers</i>			Electricians (inside wiremen).....	1.825	1.900			
Bricklayers' tenders.....	1.825	1.950	Elevator constructors.....	2.060	2.200			
Building laborers.....	1.450	1.575	Engineers—Power equipment operators:					
Elevator constructors' helpers.....	1.730	1.750	Building construction:					
Marble setters' helpers.....	1.750	1.750	Heavy equipment:					
Plasterers' laborers.....	2.025	2.150	Power shovels, pile drivers, hoisting engines.....	2.600	2.600			
Terrazzo workers' helpers.....	1.750	1.750	Medium equipment:					
Tile layers' helpers.....	1.750	1.750	Bulldozers, concrete mixers, steam boilers.....	2.225	2.225			
PITTSBURGH, PA.			Light equipment:					
<i>Journeyman</i>			Pumps, compressors, welding machines.....	2.150	2.150			
Asbestos workers.....	2.500	2.625	Heavy construction:					
Boilermakers.....	2.500	2.650	Heavy equipment:					
			Power shovels, pile drivers, lighters.....	2.600	2.600			

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
PORTLAND, OREG.—Con.			PROVIDENCE, R. I.—Con.			READING, PA.—Continued		
<i>Journey men—Continued</i>			<i>Journey men—Continued</i>			<i>Helpers and laborers</i>		
Engineers—Power equipment operators—Continued			Lathers.....	\$2.500	\$2.700	Bricklayers' tenders.....	\$1.700	\$1.750
Heavy construction—Con.			Marble setters.....	1.900	1.900	Building laborers.....	1.350	1.400
Medium equipment:			Mosaic and terrazzo workers.....	1.900	1.900	Elevator constructors' helpers.....	1.610	1.710
Blades, power.....	\$2.200	\$2.200	Painters.....	1.850	1.850	Plasterers' laborers.....	1.700	1.750
Pile drivers.....	2.300	2.300	Structural steel.....	2.100	2.100	Plumbers' laborers.....	1.350	1.400
Light equipment:			Paperhangers.....	1.850	1.850			
Hoists—single drum.....	2.000	2.000	Plasterers.....	2.500	2.700	RICHMOND, VA.		
Hoists—2 or more active drums.....	2.300	2.300	Plumbers.....	2.250	2.400	<i>Journey men</i>		
Concrete mixers—1 to 5 bag capacity.....	1.950	1.950	Rodmen.....	2.250	2.450	Asbestos workers.....	2.125	2.250
Concrete mixers—5 bag capacity and over.....	2.100	2.100	Roofers, composition.....	1.950	2.200	Boiler makers.....	2.250	2.375
Derricks, live boom.....	2.350	2.500	Roofers, slate and tile.....	2.150	2.400	Bricklayers.....	2.500	2.500
Glaziers.....	1.900	2.040	Sheet-metal workers.....	2.150	2.400	Carpenters.....	1.800	1.880
Lathers.....	2.500	2.600	Sign painters.....	1.750	1.750	Millwrights.....	2.050	2.130
Marble setters.....	2.400	2.550	Steam fitters.....	2.250	2.400	Cement finishers.....	1.800	1.800
Mosaic and terrazzo workers.....	2.375	2.375	Stonemasons.....	2.450	2.625	Electricians (inside wiremen).....	2.100	2.170
Painters.....	2.100	2.100	Structural-iron workers.....	2.250	2.450	Elevator constructors.....	2.250	2.300
Bridge and structural steel.....	2.250	2.250	Tile layers.....	1.900	1.900	Engineers—Power equipment operators:		
Spray.....	2.250	2.250				Air compressors.....	1.625	1.750
Swing stage.....	2.250	2.250	<i>Helpers and laborers</i>			Bulldozers.....	1.750	1.875
Paperhangers.....	2.250	2.250	Bricklayers' tenders.....	1.500	1.600	Cranes, derricks, and draglines.....	1.875	2.125
Plasterers.....	2.600	2.600	Building laborers.....	1.500	1.600	Graders:		
Plumbers.....	2.375	2.375	Elevator constructors' helpers.....	1.570	1.730	Blade.....	1.625	1.750
Rodmen.....	2.100	2.100	Marble setters' helpers.....	1.350	1.500	Motor.....	1.750	1.875
Roofers, composition.....	2.200	2.200	Plasterers' laborers.....	1.800	1.875	Hoists:		
Roofers, slate and tile.....	2.200	2.200	Terrazzo workers' helpers.....	1.350	1.500	1 drum.....	1.625	1.750
Sheet-metal workers.....	2.150	2.150	Tile layers' helpers.....	1.350	1.500	2 or more drums.....	1.875	2.000
Sign painters.....	2.375	2.375				Locomotives.....	1.625	1.750
Steam fitters.....	2.375	2.375	READING, PA.			Mixers:		
Oil fitters.....	2.075	2.075	<i>Journey men</i>			108 or smaller.....	1.500	1.625
Stonemasons.....	2.750	2.750	Asbestos workers.....	2.125	2.175	Larger than 108.....	1.625	1.750
Structural-iron workers.....	2.300	2.300	Bricklayers.....	2.500	2.500	Pumps:		
Ornamental finishers.....	2.300	2.300	Carpenters.....	2.150	2.250	2 inch discharge.....	1.400	1.500
Tile layers.....	2.375	2.375	Floor layers.....	2.150	2.250	Over 2 inch discharge.....	1.625	1.750
<i>Helpers and laborers</i>			Millwrights.....	2.150	2.250	Rollers.....	1.625	1.750
Bricklayers' tenders.....	2.000	2.000	Cement finishers.....	2.100	2.200	Scrapers.....	1.875	2.000
Building laborers.....	1.700	1.700	Electricians (inside wiremen).....	2.275	2.375	Shovels.....	1.875	2.125
Elevator constructors' helpers.....	1.730	1.730	Elevator constructors.....	2.300	2.440	Tournapulls.....	1.875	2.125
Marble setters' helpers.....	2.000	2.000	Engineers—Power equipment operators:			Tractors:		
Plasterers' laborers.....	2.000	2.000	Building construction:			Without attachments.....	1.625	1.750
Plumbers' laborers.....	1.700	1.700	Heavy equipment:			With attachments.....	1.875	2.125
Terrazzo workers' helpers.....	2.000	2.000	Cranes (all types), derricks, power shovels.....	2.750	2.800	Trenching machines.....	1.875	2.125
Tile layers' helpers.....	2.000	2.000	Medium equipment:			Glaziers.....	1.625	1.750
PROVIDENCE, R. I.			Tournapulls.....	2.375	2.425	Lathers.....	2.125	2.250
<i>Journey men</i>			Carry-alls.....	2.350	2.450	Machinists.....	2.250	2.250
Asbestos workers.....	2.350	2.450	Bulldozers and tractors.....	2.125	2.175	Marble setters.....	2.500	2.500
Boiler makers.....	2.450	2.450	Light equipment:			Mosaic and terrazzo workers.....	2.250	2.250
Bricklayers.....	2.450	2.625	Welding machines.....	2.300	2.350	Painters.....	1.625	1.750
Tunnel, sewer and caisson.....	2.750	2.875	Compressors and pumps.....	2.175	2.225	Spray.....	2.075	2.200
Carpenters.....	1.900	2.100	Heavy construction:			Structural steel and stage work.....	1.875	2.000
Cement finishers.....	2.000	2.250	Heavy equipment:			Paperhangers.....	1.625	1.750
Electricians (inside wiremen).....	2.250	2.250	Cranes (all types), cable-ways, and power shovels.....	2.750	2.800	Plasterers.....	2.330	2.330
Elevator constructors.....	2.240	2.475	Medium equipment:			Plumbers.....	2.250	2.250
Engineers—Power equipment operators:			Tournapulls.....	2.375	2.425	Rodmen.....	2.000	2.060
Building construction:			Carry-alls.....	2.350	2.450	Roofers, composition.....	1.800	1.880
Heavy equipment:			Bulldozers and tractors.....	2.125	2.175	Sheet-metal workers.....	2.000	2.000
Cranes, shovels, draglines, and back hoes.....	2.500	2.500	Light equipment:			Sign painters.....	1.750	2.000
Medium equipment:			Welding machines.....	2.300	2.350	Steam fitters.....	2.250	2.250
Hoists, pile drivers and derricks.....	2.500	2.500	Compressors and pumps.....	2.175	2.225	Stonemasons.....	2.500	2.500
Light equipment:			Glaziers.....	1.900	1.900	Structural- and ornamental-iron workers.....	2.250	2.310
Pumps, air compressors and gas or electric heaters.....	2.125	2.125	Lathers.....	2.150	2.250	Tile layers.....	2.250	2.250
Heavy construction:			Painters.....	1.875	1.975	<i>Helpers and laborers</i>		
Heavy equipment:			Spray.....	2.225	2.350	Bricklayers' tenders.....	1.250	1.250
Shovels, cranes, draglines, and pavers.....	2.500	2.500	Structural steel.....	1.975	2.250	Building laborers.....	.900	.900
Medium equipment:			Paperhangers.....	1.875	1.975	Elevator constructors' helpers.....	1.575	1.610
Pile drivers, lighters and derricks.....	2.500	2.500	Plasterers.....	2.500	2.500	ROCHESTER, N. Y.		
Light equipment:			Plumbers.....	2.275	2.430	<i>Journey men</i>		
Mixers, pumps, air compressors, stone crushers.....	2.125	2.125	Rodmen.....	2.450	2.450	Asbestos workers.....	2.400	2.550
Glaziers.....	2.000	2.125	Roofers, composition.....	1.900	1.900	Bricklayers.....	2.500	2.500
Granite cutters.....	1.875	1.940	Roofers, slate and tile.....	1.900	1.900	Carpenters.....	2.210	2.310
			Slab.....	2.250	2.250	Cement finishers.....	2.500	2.500
			Sheet-metal workers.....	2.025	2.025	Electricians (inside wiremen).....	2.500	2.600
			Sign painters.....	1.500	1.500	Elevator constructors.....	2.420	2.420
			Outdoor advertising and swing.....	1.750	1.750	Engineers—Power equipment operators:		
			Steam fitters.....	2.275	2.430	Building construction:		
			Stonemasons.....	2.500	2.500	Heavy equipment:		
			Structural-iron workers.....	2.650	2.650	Cranes, derricks, and pile drivers.....	2.550	2.650
			Tile layers.....	2.300	2.300			

* 35-hour workweek.

* 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, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1950	July 1, 1949
ROCHESTER, N. Y.—Con.			ROCK ISLAND (ILL.) DISTRICT⁷—Continued			ST. LOUIS, MO.—Con.		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Engineers—Power equipment operators—Continued			Engineers—Power equipment operators—Continued			Engineers—Power equipment operators—Continued		
Building construction—Con. Medium equipment:			Building construction—Con. Medium equipment:			Building construction—Con. Heavy equipment—Con.		
Hoists, high pressure boilers, and pump creek machines.....	\$2.400	\$2.500	Concrete pumps.....	\$2.100	\$2.100	Derricks (all types).....	\$2.550	\$2.550
Light equipment:			Front end loaders.....	2.100	2.100	Pile drivers.....	2.550	2.550
Mixers (14S to 26S).....	2.200	2.300	Single-drum hoists.....	2.000	2.100	Medium equipment:		
Pumps (4 inches and over) and mixers (under 14S).....	1.950	2.050	Light equipment:			Boring machines (footing foundation).....	2.550	2.550
Compressors (160 cubic feet and over).....	1.900	2.000	Air compressors, under 500 cubic feet.....	1.760	1.760	Combination hoists and concrete mixers.....	2.550	2.550
Compressors (under 160 cubic feet) and pumps (under 4-inch).....	1.600	1.700	Concrete mixers.....	1.760	1.760	Tractor shovels, Hi-lift.....	2.550	2.550
Heavy construction:			Stationary boiler engineers.....	1.760	1.760	Light equipment:		
Heavy equipment:			Heavy construction:			Concrete pumps.....	2.550	2.550
Cableways, pile drivers, cranes, and shovels.....	2.550	2.650	Heavy equipment:			1 drum hoists.....	2.000	2.000
Medium equipment:			Concrete mixers.....	2.220	2.220	Single compressors.....	2.000	2.000
Mucking machines.....	2.400	2.500	Mechanics.....	2.220	2.220	Heavy construction:		
Carry-all type scrapers, bulldozers, and graders.....	2.200	2.300	Shovels and all attachments.....	2.220	2.220	Heavy equipment:		
Light equipment:			Medium equipment:			Crane-dragline-shovel combination.....	2.550	2.550
Dinky locomotives and pumps (4 inches and over).....	2.200	2.300	Dozers, scraper equipment.....	2.100	2.100	Derricks (all types).....	2.550	2.550
Compressors (315 cubic feet and over).....	1.950	2.050	Equipment greasers.....	2.100	2.100	Pile drivers.....	2.550	2.550
Pumps (under 4 inches).....	1.600	1.700	Motor patrols.....	2.100	2.100	Medium equipment:		
Glaziers.....	1.950	2.050	Light equipment:			Hoists.....	2.000	2.000
Lathers.....	2.375	2.500	Air compressors.....	1.760	1.760	Welding machines.....	2.000	2.000
Marble setters.....	2.410	2.410	Stationary boiler engineers.....	1.760	1.760	Single compressors.....	2.000	2.000
Mosaic and terrazzo workers.....	2.410	2.410	Water pumps.....	1.760	1.760	Light equipment:		
Painters.....	2.140	2.240	Glaziers.....	2.050	2.125	Boilers.....	2.000	2.000
Spray.....	2.390	2.490	Lathers.....	2.250	2.500	Pumps.....	2.000	2.000
Structural and bridge.....	2.240	2.340	Marble setters.....	2.150	2.150	Concrete-mixing machines.....	2.000	2.000
Paperhangers.....	2.140	2.240	Mosaic and terrazzo workers.....	2.150	2.150	Glaziers.....	2.500	2.500
Plasterers.....	2.500	2.500	Painters.....	2.100	2.100	Lathers:		
Plumbers.....	2.400	2.550	Steel.....	2.225	2.225	Wood.....	2.250	2.500
Rodmen.....	2.300	2.500	Swing stage, triple ladder, window tracks and spray painters.....	2.225	2.225	Metal.....	2.500	2.750
Roofers, composition.....	2.100	2.200	Paperhangers.....	2.100	2.100	Machinists.....	2.500	2.500
Roofers, slate and tile.....	2.100	2.200	Plasterers.....	2.375	2.500	Marble setters.....	2.500	2.500
Sheet-metal workers.....	2.250	2.350	Plumbers.....	2.350	2.375	Mosaic and terrazzo workers.....	2.500	2.600
Sign painters.....	2.000	2.025	Rodmen.....	2.250	2.350	Painters.....	2.320	2.320
Steam fitters.....	2.400	2.550	Roofers, composition.....	2.150	2.150	Paperhangers.....	2.320	2.320
Stonemasons.....	2.500	2.500	Roofers, slate and tile.....	2.150	2.150	Plasterers.....	2.500	2.750
Structural-iron workers.....	2.300	2.500	Sheet-metal workers.....	2.200	2.250	Plumbers.....	2.500	2.500
Finishers.....	2.300	2.500	Sign painters.....	2.100	2.100	Rodmen.....	2.500	2.500
Tile layers.....	2.410	2.410	Steam fitters.....	2.350	2.375	Roofers, composition.....	2.375	2.475
<i>Helpers and laborers</i>			Refrigeration fitters.....	(1)	2.375	Roofers, slate and tile.....	2.125	2.250
Bricklayers' tenders.....	1.600	1.700	Structural-iron workers.....	2.250	2.350	Precast slab.....	2.125	2.250
Building laborers.....	1.600	1.700	Tile layers.....	2.150	2.150	Sheet-metal workers.....	2.500	2.625
Elevator constructors' helpers.....	1.695	1.695	<i>Helpers and laborers</i>			Sign and pictorial painters.....	2.500	2.500
Marble setters' helpers.....	1.625	1.725	Bricklayers' tenders.....	1.500	1.625	Steam fitters.....	2.500	2.625
Plasterers' laborers.....	1.600	1.700	Mortar mixers.....	1.600	1.725	Sprinkler fitters.....	2.500	2.500
Terrazzo workers' helpers.....	1.625	1.725	Building laborers.....	1.500	1.625	Stonemasons.....	2.750	3.000
Tile layers' helpers.....	1.625	1.725	Ditch, sewer, and tunnel work.....	1.600	1.725	Structural-iron workers.....	2.500	2.500
ROCK ISLAND (ILL.) DISTRICT⁷			Elevator constructors' helpers.....	1.590	1.670	Tile layers.....	2.500	2.500
<i>Journeyman</i>			Marble setters' helpers.....	1.500	1.600	<i>Helpers and laborers</i>		
Asbestos workers.....	2.150	2.250	Plasterers' laborers.....	1.875	2.000	Bricklayers' tenders (hod carriers).....	1.900	1.900
Boilermakers.....	1.850	1.900	Mortar mixers.....	1.875	2.000	Building laborers.....	1.500	1.650
Bricklayers.....	2.500	2.500	Plumbers' laborers.....	1.500	1.625	Elevator constructors' helpers.....	1.780	1.780
Carpenters.....	2.125	2.250	Terrazzo workers' helpers.....	1.500	1.600	Plasterers' laborers.....	2.000	2.000
Floor layers.....	2.125	2.250	Base grinders.....	1.500	1.750	Plumbers' laborers:		
Millwrights.....	2.125	2.250	Tile layers' helpers.....	1.500	1.600	Agreement A.....	1.875	1.875
Cement finishers.....	2.080	2.080	ST. LOUIS, MO.			Agreement B.....	1.750	1.875
Electricians (inside wiremen).....	2.350	2.375	<i>Journeyman</i>			Sprinkler fitters' helpers.....	1.500	1.500
Elevator constructors.....	2.270	2.390	Asbestos workers.....	2.500	2.500	Terrazzo workers' helpers.....	1.675	1.800
Engineers—Power equipment operators:			Boilermakers.....	2.400	2.400	Base-machine operators.....	1.850	2.000
Building construction:			Bricklayers.....	2.750	3.000	Tile layers' helpers.....	1.700	1.700
Heavy equipment:			Sewer, over 6 feet, open work.....	3.000	3.250	ST. PAUL, MINN.		
Concrete mixers.....	2.220	2.220	Carpenters.....	2.450	2.500	<i>Journeyman</i>		
2 drum hoists.....	2.220	2.220	Millwrights.....	2.450	2.500	Asbestos workers.....	2.250	2.320
Shovels, derricks.....	2.220	2.220	Pile drivers, wharf.....	2.450	2.500	Bricklayers.....	2.250	2.400
			Cement finishers.....	2.500	2.500	Tuck pointing.....	2.375	2.525
			On swinging scaffold.....	2.625	2.625	Carpenters.....	2.050	2.120
			Composition.....	2.750	2.750	Millwrights.....	2.050	2.120
			Electricians (inside wiremen).....	2.500	2.500	Pile drivers.....	2.050	2.120
			Elevator constructors.....	2.540	2.540	Cement finishers.....	2.000	2.070
			Engineers—Power-equipment operators:			Electricians (inside wiremen).....	2.350	2.350
			Building construction:			Elevator constructors.....	2.250	2.340
			Heavy equipment:					
			Crane-dragline-shovel combination.....	2.550	2.550			

¹ Information not available for rate and hours on July 1, 1949.

⁷ Includes Rock Island and Moline, Ill., and Davenport, Iowa.

⁸ Davenport, Iowa—plumber and steam-fitter rate \$2.250.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
ST. PAUL, MINN.—Continued			SALT LAKE CITY, UTAH—Continued			SAN ANTONIO, TEX.—Con.		
<i>Journey men—Continued</i>			<i>Journey men—Continued</i>			<i>Journey men—Continued</i>		
Engineers—Power equipment operators:			Engineers—Power equipment operators:			Engineers—Power equipment operators—Continued		
Building construction:			Building construction:			Cranes, derricks, draglines, pile drivers.....	\$2.00	\$2.00
Heavy equipment:			Heavy equipment:			Graders:		
Derricks.....	\$2.270	\$2.270	Derricks.....	\$2.050	\$2.125	Blade and elevating, self-propelled.....	2.000	2.000
Cranes, shovels.....	2.270	2.270	Pile drivers.....	2.150	2.225	Blade and elevating, towed.....	1.750	1.750
Pumperetes.....	2.170	2.170	Tractors with front end loader.....	1.900	1.975	Hoists:		
Medium equipment:			Medium equipment:			1 drum.....	1.750	1.750
Hoists.....	2.070	2.070	Hoists—1 drum.....	1.750	1.825	2 or more drums.....	2.000	2.000
Concrete mixers.....	2.070	2.070	Hoists—2 drum (both in use).....	1.850	1.925	Mixers:		
Mechanics, welders.....	2.070	2.070	Mixermobiles.....	1.900	1.975	Under 14 cubic feet.....	1.750	1.750
Light equipment:			Tractors, rubber-tired (industrial or farm type).....	1.650	1.725	14 cubic feet and over.....	2.000	2.000
Compressors.....	1.770	1.770	Light equipment:			Pumps, larger than 2 inches.....	1.750	1.750
Firemen.....	1.620	1.620	Air compressors.....	1.625	1.700	Rollers.....	2.000	2.000
Oilers.....	1.520	1.520	Air compressors—2 or more.....	1.750	1.825	Scrapers:		
Heavy construction:			Concrete mixers, skip type.....	1.650	1.725	3 cubic yards or less.....	1.750	1.750
Heavy equipment:			Heavy construction:			Over 3 cubic yards.....	2.000	2.000
Cranes, shovels.....	2.270	2.270	Heavy equipment:			Shovels.....	2.000	2.000
Dredges, engineers.....	2.270	2.270	Power shovels, up to 1 yd.....	2.050	2.125	Tractors, crawler type and wheel type (except when hauling material).....	1.750	1.750
Derricks.....	2.270	2.270	Power shovels, over 1 yd.....	2.050	2.125	Trenching machines.....	2.000	2.000
Medium equipment:			Tournapull or similar type.....	2.025	2.100	Glaziers.....	1.750	1.875
Mechanics, welders.....	2.070	2.070	Cableways.....	2.050	2.125	Lathers.....	2.750	2.875
Bulldozers, scrapers.....	2.070	2.070	Medium equipment:			Machinists.....	2.250	2.500
Graders, motor patrols.....	2.070	2.070	Mucking machines (underground work).....	2.150	2.225	Marble setters.....	2.000	2.000
Light equipment:			Concrete mixers, paving or batch plant.....	1.900	1.975	Mosaic and terrazzo workers.....	2.000	2.000
Pumps, compressors.....	1.770	1.770	Tractors.....	1.900	1.975	Painters.....	1.750	1.875
Loaders, Barber Green.....	1.870	1.870	Motor patrols.....	2.000	2.075	Swing stage.....	1.750	2.000
Finishing machines.....	1.770	1.770	Light equipment:			Spray and structural steel brush.....	2.250	2.375
Glaziers.....	1.850	1.920	Engineers, dinkey.....	1.650	1.725	Structural steel spray.....	1.750	1.875
Lathers.....	2.350	2.420	Engineers, locomotive.....	1.900	1.975	Paperhangers.....	2.750	2.750
Machinists.....	2.150	2.250	Truck cranes.....	2.050	2.125	Plasterers.....	2.375	2.375
Marble setters.....	2.250	2.350	Glaziers.....	1.750	1.850	Plumbers.....	2.000	2.000
Mosaic and terrazzo workers.....	2.250	2.375	Lathers, wood and metal.....	2.250	2.500	Rodmen.....	2.000	2.000
Painters.....	1.900	2.020	Machinists.....	2.000	2.000	Sheet-metal workers.....	2.250	2.250
Structural steel and swing stage.....	2.050	2.170	Marble setters.....	2.050	2.250	Sign painters.....	1.500	1.500
Spray.....	2.050	2.170	Mosaic and terrazzo workers.....	2.050	2.250	Steam fitters.....	2.375	2.375
Paperhangers.....	1.900	2.020	Painters.....	1.825	1.875	Stonemasons.....	2.625	2.625
Plasterers.....	2.420	2.420	Swing stage.....	1.950	2.000	Structural and ornamental-iron workers.....	2.250	2.250
Plumbers.....	2.320	2.320	Spray gun.....	2.075	2.125	Tile layers.....	2.000	2.000
Rodmen.....	2.050	2.150	Paperhangers.....	1.950	2.000			
Roofers, composition.....	2.000	2.000	Plasterers.....	2.250	2.500	<i>Helpers and laborers</i>		
Roofers, slate and tile.....	2.000	2.000	Plumbers.....	2.100	2.200	Bricklayers' tenders.....	1.170	1.240
Sheet-metal workers.....	2.150	2.250	Rodmen.....	2.000	2.075	Hod carriers and mortar mixers.....	1.430	1.500
Sign painters.....	2.175	2.175	Roofers, composition.....	1.825	2.000	Building laborers.....	.900	.970
Steam fitters.....	2.250	2.320	Roofers, slate and tile.....	1.825	2.000	Elevator constructors' helpers.....	1.700	1.700
Pipe fitters.....	2.250	2.320	Sheet-metal workers.....	2.000	2.000	Plasterers' laborers.....	1.430	1.500
Sprinkler fitters.....	2.200	2.400	Sign painters.....	1.900	1.900	Plumbers' laborers.....	.940	1.000
Refrigeration fitters.....	2.000	2.400	Steam fitters.....	2.100	2.200			
Stonemasons.....	2.250	2.400	Refrigerator fitters.....	2.100	2.200	SAN FRANCISCO, CALIF.		
Structural-iron workers and finishers.....	2.175	2.275	Stonemasons.....	2.250	2.500	<i>Journey men</i>		
Tile layers.....	2.250	2.375	Structural-iron workers.....	2.000	2.150	Asbestos workers.....	2.160	2.350
<i>Helpers and laborers</i>			Ornamental finishers.....	2.000	2.150	Boilermakers.....	2.350	2.430
Bricklayers' tenders.....	1.450	1.520	Tile layers.....	2.050	2.250	Bricklayers.....	3.000	3.000
Mortar mixers.....	1.550	1.620	<i>Helpers and laborers</i>			Carpenters.....	2.160	2.225
Building laborers.....	1.450	1.520	Bricklayers' tenders.....	1.650	1.725	Floor layers.....	2.285	2.285
Composition roofers' helpers.....	1.570	1.570	Building laborers.....	1.275	1.325	Millwrights.....	2.285	2.285
Elevator constructors' helpers.....	1.575	1.650	Elevator constructors' helpers.....	1.470	1.640	Shinglers.....	2.285	2.285
Marble setters' helpers.....	1.550	1.620	Plasterers' laborers.....	1.900	2.000	Cement finishers.....	2.150	2.200
Plasterers' laborers.....	1.950	2.020	Plumbers' laborers.....	1.275	1.325	Composition.....	2.275	2.325
Plumbers' laborers.....	1.450	1.520	SAN ANTONIO, TEX.			Machine operators.....	2.275	2.325
Sprinkler fitters' helpers.....	1.500	1.625	<i>Journey men</i>			Electricians (inside wiremen) and fixture hangers.....	2.500	2.625
Terrazzo workers' helpers:			Asbestos workers.....	2.250	2.375	Elevator constructors.....	2.530	2.700
Floor-machine operators.....	1.550	1.700	Bricklayers.....	2.625	2.625	Engineers—Power equipment operators:		
Base-machine operators.....	1.800	1.950	Carpenters.....	2.000	2.000	Building construction:		
Tile layers' helpers.....	1.550	1.620	Millwrights.....	2.250	2.250	Heavy equipment:		
SALT LAKE CITY, UTAH			Cement finishers.....	2.250	2.250	Derricks.....	2.375	2.440
<i>Journey men</i>			Electricians (inside wiremen).....	2.250	2.375	Tractor-type shovel loaders.....	2.375	2.440
Asbestos workers.....	2.000	2.150	Elevator constructors.....	2.425	2.425	Medium equipment:		
Boilermakers.....	2.350	2.430	Engineers—Power equipment operators:			Material hoists.....	2.125	2.190
Bricklayers.....	2.250	2.500	Air compressors.....	1.750	1.750	Mixermobiles.....	2.275	2.340
Carpenters.....	1.825	1.875	Bulldozers.....	2.000	2.000	Scoopmobiles (when used as a hoist).....	2.125	2.190
Floor layers and scrapers.....	1.950	2.000	When cutting to finish grade.....	1.750	1.750	Scoopmobiles (when used as a loader).....	2.275	2.340
Millwrights and saw filers.....	1.950	2.000	Except when cutting to finish grade.....	1.750	1.750			
Pile drivers.....	2.250	2.250						
Cement finishers.....	1.825	1.875						
Composition floor layers.....	1.950	2.000						
Finishing-machine operators.....	1.950	2.000						
Electricians (inside wiremen).....	2.000	2.300						
Elevator constructors.....	2.100	2.340						

2 30-hour workweek.

3 44-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
SAN FRANCISCO, CALIF.—Continued			SAVANNAH, GA.—Continued			SCRANTON, PA.—Continued		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Engineers—Power equipment operators—Continued			Engineers—Power equipment operators—Continued			Plumbers.....	\$2 150	\$2 150
Building construction—Con. Light equipment:			Mixers:			Rodmen.....	2 720	2 720
Compressors.....	\$1 875	\$1 940	10S or smaller.....	\$1 500	\$1 750	Roofers, composition.....	2 000	2 125
Compressors (more than one).....	2 175	2 240	Larger than 10S.....	1 750	1 750	Roofers, slate and tile.....	2 000	2 125
Towermovers.....	2 125	2 190	Pumps.....	1 500	1 750	Sheet-metal workers.....	2 125	2 125
Concrete mixers (up to 1 yard).....	1 875	1 940	Rollers.....	1 750	1 750	Steam fitters.....	2 150	2 150
Heavy construction:			Scrapers.....	1 750	1 750	Stonecutters.....	2 000	2 000
Power shovels (up to and including 1 yard).....	2 525	2 590	Shovels.....	2 000	2 000	Outside (finish).....	2 500	2 500
Power shovels (over 1 yard).....	2 625	2 690	Tractors.....	1 500	1 750	Stonemasons.....	2 500	2 625
Le Tourneau pulls.....	2 375	2 440	Trenching machines.....	1 750	1 750	Structural-iron workers.....	2 820	2 820
Highline cableways.....	2 525	2 590	Glaziers.....	1 550	1 650	Tile layers.....	2 250	2 375
Medium equipment:			Lathers.....	1 650	1 650			
Mucking machines.....	2 350	2 410	Machinists.....	2 250	2 250	<i>Helpers and laborers</i>		
Dual-drum mixers.....	2 275	2 340	Marble setters.....	2 250	2 250	Bricklayers' tenders.....	1 500	1 600
Tractors.....	2 225	2 290	Mosaic and terrazzo workers.....	2 250	2 250	Building laborers.....	1 350	1 450
Light equipment:			Painters:			Composition roofers' helpers.....	1 375	1 500
Locomotives.....	1 975	2 040	Commercial and residential.....	1 650	1 650	Elevator constructors' helpers.....	1 620	1 700
Locomotives (steam or over 30 tons).....	2 225	2 290	Spray.....	3 000	3 000	Marble setters' helpers.....	1 250	1 500
Truck cranes.....	2 375	2 440	Structural steel.....	1 900	1 900	Plasterers' laborers.....	1 500	1 600
Glaziers.....	2 000	2 080	Paperhangers.....	1 775	1 775	Plumbers' laborers.....	1 350	1 450
Granite cutters.....	2 000	2 000	Plasterers.....	2 000	2 000	Terrazzo workers' helpers.....	1 250	1 500
Lathers.....	2 813	3 000	Plumbers.....	2 350	2 300	Tile layers' helpers.....	1 250	1 500
Machinists.....	2 270	2 500	Rodmen.....	1 750	2 000			
Marble setters.....	2 375	2 500	Sheet-metal workers.....	1 750	1 750	SEATTLE, WASH.		
Mosaic and terrazzo workers	2 250	2 250	Sign painters.....	1 650	1 650	<i>Journeyman</i>		
Base-machine operators.....	2 250	2 250	Steam fitters.....	2 350	2 300	Asbestos workers.....	2 295	2 295
Painters:			Stonemasons.....	2 250	2 250	Boilermakers.....	2 350	2 430
Structural steel.....	2 150	2 275	Structural and ornamental-iron workers.....	2 000	2 250	Bricklayers.....	3 000	3 000
Structural steel.....	2 150	2 275	Sheeters and finishers.....	2 250	2 500	Sewer and tunnel.....	3 125	3 125
Paperhangers.....	2 813	3 000	Tile layers.....	2 250	2 250	Carpenters.....	2 195	2 195
Plasterers.....	2 500	2 500				Floor layers.....	2 295	2 295
Plumbers.....	2 500	2 500	<i>Helpers and laborers</i>			Pile drivers, bridge and dock.....	2 245	2 245
Rodmen.....	2 150	2 250	Bricklayers' tenders.....	.950	.950	Shinglers.....	2 285	2 285
Roofers, composition.....	2 250	2 250	Building laborers.....	.850	.850	Cement finishers.....	2 195	2 195
Roofers, slate and tile.....	2 250	2 250	Elevator constructors' helpers.....	1 435	1 484	Composition and mastic floor layers.....	2 245	2 245
Sheet-metal workers.....	2 250	2 313	Plasterers' laborers.....	.950	.950	Electricians (inside wiremen) and fixture hangers.....	2 395	2 395
Sign painters.....	2 310	2 310	SCRANTON, PA.			Elevator constructors.....	2 400	2 557
Steam fitters.....	2 500	2 500	<i>Journeyman</i>			Engineers—Power equipment operators:		
High pressures.....	2 500	2 500	Asbestos workers.....	2 125	2 300	Building construction:		
Low pressures.....	2 375	2 375	Bricklayers.....	2 500	2 625	Heavy equipment:		
Oil burner fitters.....	2 500	2 500	Carpenters.....	2 000	2 125	Shovels and cranes, all crawler and truck types.....	2 630	2 630
Sprinkler fitters.....	2 500	2 500	Millwrights.....	2 250	2 375	Bulldozers, all.....	2 280	2 280
Stonemasons.....	2 300	2 300	Cement finishers.....	2 150	2 275	Carry-all type scrapers—single.....	2 280	2 280
Structural-iron workers.....	2 400	2 500	Electricians (inside wiremen).....	2 125	2 375	Carry-all type scrapers—tandem.....	2 430	2 430
Finishers (ornamental).....	2 250	2 350	Elevator constructors.....	2 320	2 425	Medium equipment:		
Tile layers.....	2 675	2 675	Engineers—Power equipment operators:			Hoists.....	2 330	2 330
			Building construction:			Mixers, other than paving.....	2 330	2 330
			Heavy equipment:			Pile driver engineers.....	2 400	2 400
			Cranes (all types), derricks, power shovels.....	2 900	2 900	Light equipment:		
			Medium equipment:			Forklifts or lumber stackers (on construction job site).....	2 280	2 280
			Tournapulls.....	2 525	2 525	Compressors, excavating.....	2 080	2 080
			Carry-alls.....	2 500	2 550	Heavy construction:		
			Bulldozers and tractors.....	2 275	2 275	Heavy equipment:		
			Light equipment:			Shovels and cranes, all crawler and truck types.....	2 630	2 630
			Welding machines.....	2 300	2 300	Bulldozers, all.....	2 280	2 280
			Compressors and pumps.....	2 175	2 175	Carry-all type scrapers—single.....	2 280	2 280
			Heavy construction:			Carry-all type scrapers—tandem.....	2 430	2 430
			Heavy equipment:			Medium equipment:		
			Cranes (all types), power shovels, cableways.....	2 900	2 900	Hoists.....	2 330	2 330
			Medium equipment:			Mixers, other than paving.....	2 330	2 330
			Tournapulls.....	2 525	2 525	Pile driver engineers.....	2 400	2 400
			Carry-alls.....	2 500	2 550	Light equipment:		
			Bulldozers and tractors.....	2 275	2 275	Forklifts or lumber stackers (on construction job site).....	2 280	2 280
			Light equipment:			Compressors, excavating.....	2 080	2 080
			Welding machines.....	2 300	2 300	Glaziers.....	1 960	2 080
			Compressors and pumps.....	2 175	2 175	Lathers, metal, wood, and wire.....	2 750	2 875
			Glaziers.....	1 750	1 825	Machinists.....	2 390	2 390
			Inside.....	1 450	1 475	Marble setters.....	2 395	2 725
			Lathers.....	2 275	2 275	Mosaic and terrazzo workers.....	2 245	2 245
			Marble setters.....	2 250	2 375	Painters.....	2 195	2 195
			Mosaic and terrazzo workers.....	2 250	2 375	Structural steel.....	2 320	2 320
			Painters.....	1 875	1 875	Spray.....	2 195	2 195
			Swing.....	2 000	2 000			
			Steel.....	2 250	2 250			
			Paperhangers.....	1 875	1 875			
			Plasterers.....	2 400	2 525			

² 30-hour workweek.

³ 35-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
SEATTLE, WASH.—Continued			SOUTH BEND, IND.—Con.			SPOKANE, WASH.—Con.		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Helpers and laborers</i>		
Paperhangers.....	\$2.195	\$2.195	Structural-iron workers.....	\$2.415	\$2.415	Bricklayers' tenders.....	\$1.800	\$1.800
Plasterers.....	2.495	2.495	Finishers.....	2.415	2.415	Building laborers.....	1.600	1.600
Plumbers.....	2.500	2.500	Machine movers and riggers.....	2.415	2.415	Marble setters' helpers.....	1.800	1.800
Rodmen.....	2.195	2.195	Fence erectors.....	2.415	2.415	Plasterers' laborers.....	2.100	2.100
Roofers, composition:			Tile layers.....	2.575	2.575	Terrazzo workers' helpers.....	1.800	1.800
Flat.....	2.195	2.195	<i>Helpers and laborers</i>			Base and floor-machine operators.....	1.800	1.800
Steep.....	2.285	2.285	Bricklayers' tenders.....	1.650	1.650	Tile layers' helpers.....	1.800	1.800
Roofers, slate and tile.....	2.285	2.285	Mortar mixers.....	1.800	1.800	SPRINGFIELD, MASS.		
Sheet-metal workers.....	2.345	2.345	Building laborers.....	1.650	1.650	<i>Journeyman</i>		
Sign painters.....	2.495	2.495	Composition roofers' helpers.....	1.700	1.700	Asbestos workers.....	2.325	2.325
Steam fitters.....	2.500	2.500	Elevator constructors' helpers.....	1.670	1.690	Bricklayers.....	2.500	2.500
Refrigeration.....	2.500	2.500	Marble setters' helpers.....	1.650	1.650	Carpenters.....	2.000	2.000
Stonemasons.....	3.000	3.000	Plasterers' laborers.....	1.800	1.800	Cement finishers.....	2.500	2.500
Structural-iron workers.....	2.395	2.395	Terrazzo workers' helpers.....	1.800	1.800	Electricians (inside wiremen).....	2.350	2.350
Finishers.....	2.395	2.395	Base-machine operators.....	2.000	2.000	Elevator constructors.....	2.270	2.430
Tile layers.....	2.245	2.575	Tile layers' helpers.....	1.650	1.650	Engineers—Power equipment operators:		
<i>Helpers and laborers</i>			SPOKANE, WASH.			Building construction:		
Bricklayers' tenders.....	2.045	2.045	<i>Journeyman</i>			Heavy equipment:		
Building laborers.....	1.795	1.795	Asbestos workers.....	2.250	2.250	Cranes, 3-drum hoists and over, power shovels, trenching machines, and pile drivers.....	2.275	2.275
Elevator constructors' helpers.....	1.722	1.790	Boilermakers.....	2.350	2.430	Medium equipment:		
Marble setters' helpers.....	1.795	2.000	Bricklayers.....	2.500	2.750	Scrapers and tournapulls.....	1.875	1.875
Plasterers' laborers.....	2.045	2.045	Carpenters.....	2.200	2.200	Bulldozers.....	1.825	1.825
Plumbers' laborers.....	1.795	1.795	Millwrights.....	2.260	2.400	Light equipment:		
Terrazzo workers' helpers.....	1.795	2.000	Cement finishers.....	2.350	2.350	One- and two-drum hoists, pumps, boilers or compressors.....	1.825	1.825
Machine.....	1.845	2.050	Electricians (inside wiremen).....	2.280	2.330	Heavy construction:		
Tile layers' helpers.....	1.795	2.000	Elevator constructors.....	2.400	2.460	Heavy equipment:		
SOUTH BEND, IND.			Engineers—Power equipment operators:			Cranes, 3-drum hoists and over, power shovels, trenching machines, and pile drivers.....	2.275	2.275
<i>Journeyman</i>			Building construction:			Medium equipment:		
Asbestos workers.....	2.250	2.300	Heavy equipment:			Scrapers and tournapulls.....	1.875	1.875
Boilermakers.....	2.350	2.500	Cranes and derricks.....	2.350	2.350	Bulldozers.....	1.825	1.825
Bricklayers.....	2.575	2.575	Hoists—2 or more drums.....	2.100	2.300	Light equipment:		
Ground hog workers, sewer, tunnel, and caisson work.....	2.825	2.825	Medium equipment:			One- and two-drum hoists, pumps, boilers or compressors.....	1.825	1.825
Carpenters.....	2.205	2.205	Mixermobiles.....	2.150	2.150	Heavy construction:		
Millwrights.....	2.205	2.205	Pumpcretes (linkbelt or similar).....	2.100	2.100	Heavy equipment:		
Parquetry floor layers.....	2.205	2.205	Concrete mixers.....	1.900	1.900	Cranes, 3-drum hoists and over, power shovels, trenching machines, and pile drivers.....	2.275	2.275
Wharf and bridge.....	2.205	2.205	Light equipment:			Medium equipment:		
Cement finishers.....	2.208	2.208	Compressors—1 only (portable).....	1.750	1.750	Scrapers and tournapulls.....	1.875	1.875
Electricians (inside wiremen) and fixture hangers.....	2.300	2.300	Compressors—2 or more (portable).....	1.900	1.900	Bulldozers.....	1.825	1.825
Elevator constructors.....	2.380	2.420	Pumps.....	1.750	1.750	Light equipment:		
Engineers—Power equipment operators:			Building construction:			One- and two-drum hoists, pumps, boilers or compressors.....	1.825	1.825
Building construction:			Heavy equipment:			Glaziers.....	2.100	2.170
Heavy equipment:			Cranes and derricks.....	2.350	2.350	Lathers.....	2.225	2.400
Shovels, draglines, and large mixers.....	2.415	2.415	Hoists—2 or more drums.....	2.100	2.300	Marble setters.....	2.500	2.500
Medium equipment:			Medium equipment:			Mosaic and terrazzo workers.....	2.500	2.500
Cranes and derricks.....	2.415	2.415	Mixermobiles.....	2.150	2.150	Painters.....	2.000	2.000
Hoists.....	2.100	2.100	Pumpcretes (linkbelt or similar).....	2.100	2.100	Paperhangers.....	2.000	2.000
Light equipment:			Concrete mixers.....	1.900	1.900	Plasterers.....	2.500	2.500
Le Tourneau scoops and power blades.....	2.205	2.205	Light equipment:			Plumbers.....	2.350	2.450
Bulldozers.....	2.100	2.100	Compressors—1 only (portable).....	1.750	1.750	Rodmen.....	2.450	2.550
Heavy construction:			Compressors—2 or more (portable).....	1.900	1.900	Roofers, composition.....	2.000	2.125
Heavy equipment:			Pumps.....	1.750	1.750	Roofers, slate and tile.....	2.200	2.350
Shovels, draglines, and large mixers.....	2.415	2.415	Building construction:			Sheet-metal workers.....	2.200	2.350
Medium equipment:			Heavy equipment:			Sign painters.....	2.000	2.000
Cranes and derricks.....	2.415	2.415	Cranes and derricks.....	2.350	2.350	Steam fitters.....	2.350	2.500
Hoists.....	2.100	2.100	Hoists—2 or more drums.....	2.100	2.100	Stonecutters:		
Light equipment:			Highline cableways.....	2.350	2.350	Inside.....	1.750	1.875
Le Tourneau scoops.....	2.205	2.205	Medium equipment:			Outside.....	2.500	2.500
Bulldozers.....	2.100	2.100	Locomotives (over 12 tons).....	2.250	2.250	Stonemasons.....	2.500	2.500
Power blades and motor patrols.....	2.205	2.205	Derricks and pile drivers.....	2.350	2.350	Structural-iron workers.....	2.450	2.550
Glaziers.....	2.000	2.075	Traxcavator and similar loaders.....	2.100	2.150	Tile layers.....	2.500	2.500
Lathers, metal, wood, and wire.....	2.350	2.350	Light equipment:			<i>Helpers and laborers</i>		
Marble setters.....	2.575	2.575	Compressors—1 only (portable).....	1.750	1.750	Bricklayers' tenders.....	1.625	1.700
Mosaic and terrazzo workers.....	2.575	2.575	Compressors—2 or more (portable).....	1.900	1.900	Building laborers.....	1.375	1.450
Painters.....	2.050	2.050	Pumps.....	1.750	1.750	Elevator constructors' helpers.....	1.590	1.750
Paperhangers.....	2.050	2.050	Glaziers.....	1.750	1.750	Marble setters' helpers.....	1.700	1.700
Plasterers.....	2.500	2.500	Lathers.....	2.300	2.300	Plasterers' laborers.....	1.625	1.700
Plumbers.....	2.300	2.300	Marble setters.....	2.250	2.600	Terrazzo workers' helpers.....	1.700	1.700
Rodmen.....	2.415	2.415	Mosaic and terrazzo workers.....	2.320	2.500	Tile layers' helpers.....	1.700	1.700
Roofers, composition.....	2.250	2.250	Painters.....	2.100	2.100	SYRACUSE, N. Y.		
Roofers, slate and tile.....	2.250	2.250	Spray.....	2.450	2.450	<i>Journeyman</i>		
Steeple work.....	2.400	2.400	Structural steel.....	2.350	2.350	Asbestos workers.....	2.400	2.500
Sheet-metal workers.....	2.300	2.300	Paperhangers.....	2.100	2.100	Boilermakers.....	2.500	2.500
Sign painters.....	1.900	1.900	Plasterers.....	2.500	2.500	Bricklayers.....	2.600	2.600
Steam fitters.....	2.300	2.300	Plumbers.....	2.500	2.500	Carpenters.....	2.200	2.200
Stonemasons.....	2.575	2.575	Rodmen.....	2.250	2.250	Cement finishers.....	2.250	2.250
			Roofers, composition.....	2.000	2.000			
			Roofers, slate and tile.....	2.000	2.000			
			Sheet-metal workers.....	2.250	2.250			
			Steam fitters.....	2.500	2.500			
			Stonemasons.....	2.500	2.750			
			Structural-iron workers.....	2.250	2.300			
			Finishers.....	2.250	2.300			
			Tile layers.....	2.250	2.500			

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
SYRACUSE, N. Y.—Continued			TOLEDO, OHIO—Continued			WASHINGTON, D. C.—Con.		
<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>			<i>Journeyman—Continued</i>		
Electricians (inside wiremen).....	\$2. 350	\$2. 550	Engineers—Power equipment operators—Continued			Engineers—Power equipment operators—Continued		
Elevator constructors.....	2. 270	2. 450	Building construction—Con. Light equipment—Con.			Heavy construction—Con. Light equipment:		
Engineers—Power equipment operators:			Pumps, under 4 inches.....	\$1. 750	\$1. 875	Compressors and pumps.....	\$2. 100	\$2. 200
Building construction:			Compressors.....	2. 125	2. 250	Bulldozers.....	1. 900	2. 000
Heavy equipment:			Heavy construction:			Glaziers.....	2. 250	2. 250
Cranes, pile drivers, and 2 and 3 drum hoists.....	2. 600	2. 600	Heavy equipment:			Lathers.....	2. 750	3. 000
Medium equipment:			Cranes (all types), power shovels, and derricks.....	2. 500	2. 625	Machinists.....	2. 250	2. 500
1 drum hoists and pumps (4 inches and over).....	2. 350	2. 350	Medium equipment:			Marble setters.....	2. 750	3. 000
Compressors.....	2. 050	2. 050	Power graders and trench machines.....	2. 250	2. 375	Mosaic and terrazzo workers.....	2. 650	2. 775
Light equipment:			Rollers.....	2. 125	2. 250	Painters.....	2. 300	2. 300
Welding machines, lighting slants, and Harmon Nelson heaters or their equivalent.....	2. 050	2. 050	Light equipment:			Bridge, structural steel and spray.....	2. 750	2. 750
Heavy construction:			Bulldozers.....	2. 250	2. 500	Spray.....	2. 500	2. 500
Heavy equipment:			Pumps, 4 inches and over.....	2. 500	2. 500	Paperhangers.....	2. 300	2. 300
Power shovels.....	2. 550	2. 600	Pumps, under 4 inches.....	1. 750	1. 875	Plasterers.....	3. 000	3. 000
Power cranes.....	2. 400	2. 600	Compressors.....	2. 125	2. 500	Plumbers.....	2. 500	2. 500
Scrapers.....	2. 200	2. 250	Glaziers.....	2. 000	2. 000	Rodmen.....	2. 450	2. 500
Medium equipment:			Lathers.....	2. 400	2. 625	Roofers, composition.....	1. 900	2. 000
Bulldozers.....	2. 050	2. 250	Marble setters, caulkers.....	2. 400	2. 725	Roofers, slate and tile.....	2. 250	2. 500
Compressors (over 500 cubic feet).....	2. 300	2. 300	Mosaic and terrazzo workers.....	2. 250	2. 500	Sheet-metal workers.....	2. 500	2. 625
Pumps (over 4 inches).....	1. 800	2. 000	Painters.....	2. 025	2. 275	Sign painters.....	2. 000	2. 000
Light equipment:			Spray.....	2. 300	2. 575	Sprinkler fitters.....	2. 200	2. 400
Compressors (under 500 cubic feet).....	1. 650	2. 000	Brush, over 30 feet.....	2. 325	2. 525	Steam fitters.....	2. 500	2. 500
Mixers (under 16S).....	1. 800	1. 750	Spray, over 30 feet.....	2. 600	2. 825	Refrigeration and oil burner fitters:		
Tractors.....	2. 200	2. 250	Steel.....	2. 025	2. 275	5 horsepower or less.....	2. 000	2. 000
Glaziers.....	1. 900	1. 900	Paperhangers.....	2. 025	2. 275	Over 5 horsepower.....	2. 500	2. 500
Lathers.....	2. 500	2. 500	Plasterers.....	2. 400	2. 625	Stonemasons.....	2. 750	3. 000
Marble setters.....	2. 300	2. 300	Plumbers.....	2. 500	2. 625	Structural-iron workers.....	2. 750	2. 950
Mosaic and terrazzo workers.....	2. 300	2. 300	Rodmen.....	2. 205	2. 455	Tile layers.....	2. 650	2. 775
Painters.....	1. 900	1. 950	Roofers, composition, and built-up moppers.....	2. 125	2. 250			
Spray.....	2. 050	2. 100	Roofers, slate and tile.....	2. 125	2. 250	<i>Helpers and laborers</i>		
Structural steel.....	2. 150	2. 200	Sheet-metal workers.....	2. 125	2. 375	Building laborers.....	1. 350	1. 450
Plasterers.....	2. 500	2. 500	Sign painters.....	2. 100	2. 100	Garden type apartment house construction.....	1. 200	1. 300
Plumbers.....	2. 400	2. 500	Steam fitters.....	2. 500	2. 625	Composition roofers' helpers.....	1. 450	1. 550
Roofers, composition.....	2. 200	2. 300	Stonemasons.....	2. 400	2. 725	Elevator constructors' helpers.....	1. 960	1. 980
Roofers, slate and tile.....	2. 200	2. 300	Structural-iron workers.....	2. 400	2. 625	Marble setters' helpers.....	1. 750	1. 875
Sheet-metal workers.....	2. 050	2. 250	Finishers.....	2. 400	2. 625	Plasterers' laborers.....	1. 750	1. 850
Sign painters.....	2. 050	2. 100	Tile layers.....	2. 250	2. 500	Plumbers' laborers.....	1. 500	1. 600
Steam fitters.....	2. 400	2. 500				Sprinkler fitters' helpers.....	1. 500	1. 625
Structural-iron workers.....	2. 400	2. 400	<i>Helpers and laborers</i>			Terrazzo workers' helpers.....	1. 750	2. 000
Tile layers.....	2. 300	2. 300	Bricklayers' tenders.....	1. 820	1. 945	Tile layers' helpers.....	1. 750	2. 000
			Building laborers.....	1. 700	1. 825			
<i>Helpers and laborers</i>			Elevator constructors' helpers.....	1. 680	1. 850			
Building laborers.....	1. 450	1. 500	Marble setters' helpers.....	1. 600	1. 700			
Composition roofers' helpers.....	1. 450	1. 550	Plasterers' laborers.....	1. 870	1. 995			
Elevator constructors' helpers.....	1. 590	1. 715	Terrazzo workers' helpers.....	1. 600	1. 700			
Marble setters' helpers.....	1. 550	1. 650	Base grinders.....	1. 725	1. 725			
Steam fitters' helpers.....	1. 550	1. 650	Tile layers' helpers.....	1. 600	1. 700			
Terrazzo workers' helpers.....	1. 550	1. 650						
Tile layers' helpers.....	1. 550	1. 650						
TOLEDO, OHIO			WASHINGTON, D. C.			WICHITA, KANS.		
<i>Journeyman</i>			<i>Journeyman</i>			<i>Journeyman</i>		
Asbestos workers.....	2. 400	2. 525	Asbestos workers.....	2. 500	2. 500	Asbestos workers.....	2. 250	2. 375
Boilermakers.....	2. 500	2. 625	Boilermakers.....	2. 250	2. 375	Bricklayers.....	2. 750	3. 000
Bricklayers.....	2. 400	2. 725	Bricklayers.....	3. 000	3. 000	Carpenters.....	1. 875	2. 000
Carpenters.....	2. 300	2. 425	Carpenters.....	2. 400	2. 500	Cement finishers.....	2. 250	2. 250
Floor layers, pile drivers, wharf and bridge millwrights.....	2. 300	2. 425	Cement finishers.....	2. 250	2. 450	Electricians (inside wiremen).....	2. 250	2. 250
Cement finishers.....	2. 500	2. 625	Electricians (inside wiremen).....	2. 600	2. 700	Elevator constructors.....	2. 225	2. 225
Electricians (inside wiremen).....	2. 500	2. 625	Elevator constructors.....	2. 800	2. 800	Lathers.....	2. 250	2. 500
Fixture hangers.....	2. 350	2. 475	Engineers—Power equipment operators:			Mosaic and terrazzo workers.....	2. 000	2. 000
Elevator constructors.....	2. 395	2. 645	Building construction:			Painters.....	1. 750	1. 750
Engineers—Power equipment operators:			Heavy construction:			Spray.....	2. 000	2. 000
Building construction:			Heavy equipment:			Stage and structural steel.....	1. 875	1. 875
Heavy equipment:			Cranes, shovels, and pile drivers.....	2. 500	2. 600	Paperhangers.....	1. 875	1. 875
Cranes (all types), power shovels, and derricks.....	2. 500	2. 625	Medium equipment:			Plasterers.....	2. 500	2. 500
Medium equipment:			Hoists (double drum).....	2. 500	2. 600	Plumbers.....	2. 250	2. 375
Power graders and trench machines.....	2. 250	2. 375	Trenching machines and single-drum hoists.....	2. 250	2. 350	Rodmen.....	2. 125	2. 125
Rollers, asphalt.....	2. 125	2. 250	Light equipment:			Roofers, composition.....	1. 750	1. 750
Light equipment:			Compressors and pumps.....	2. 100	2. 200	Roofers, slate and tile.....	1. 750	1. 750
Bulldozers.....	2. 250	2. 375	Bulldozers.....	1. 900	2. 000	Sheet-metal workers.....	2. 000	2. 100
Pumps, 4 inches and over.....	2. 125	2. 250	Heavy construction:			Sign painters.....	1. 875	1. 875
			Heavy equipment:			Steam fitters.....	2. 250	2. 375
			Cranes, shovels, and pile drivers.....	2. 500	2. 600	Stonemasons.....	2. 750	3. 000
			Medium equipment:			Structural-iron workers.....	2. 125	2. 125
			Hoists (double drum).....	2. 500	2. 600	Tile layers.....	2. 000	2. 000
			Trenching machines and single-drum hoists.....	2. 250	2. 350			
						<i>Helpers and laborers</i>		
						Bricklayers' tenders.....	1. 375	1. 500
						Hod carriers.....	1. 375	1. 500
						Building laborers.....	1. 250	1. 375
						Elevator constructors' helpers.....	1. 555	1. 555
						Plasterers' laborers.....	1. 375	1. 500
						Mortar mixers.....	1. 375	1. 500
						Tile layers' helpers.....	1. 375	1. 500

* 35-hour workweek.

TABLE 14.—Union scales of wages and hours for building trades in 77 cities, July 1, 1949, and July 1, 1950—Continued

Trade or occupation	Rate per hour		Trade or occupation	Rate per hour		Trade or occupation	Rate per hour	
	July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950		July 1, 1949	July 1, 1950
WORCESTER, MASS.			YORK, PA.—Continued			YOUNGSTOWN, OHIO—Con.		
<i>Journeymen</i>			<i>Journeymen—Continued</i>			<i>Journeymen—Continued</i>		
Bricklayers.....	\$2.500	\$2.500	Engineers—Power equipment operators—Continued			Engineers—Power equipment operators:		
Carpenters.....	2.025	2.025	Building construction—Con.			Building construction:		
Cement finishers.....	2.500	2.500	Medium equipment:			Heavy equipment:		
Electricians (inside wiremen).....	2.200	2.350	Tournapulls.....	\$2.525	\$2.455	Carry-all scoops, cranes, and shovels.....	\$2.375	\$2.560
Elevator constructors.....	2.190	2.340	Bulldozers and tractors.....	2.500	2.425	Medium equipment:		
Engineers—Power equipment operators:			Carry-alls.....	2.275	2.175	Bulldozers.....	2.200	2.425
Building construction:			Light equipment:			Compressors.....	2.013	2.238
Heavy equipment:			Welding machines.....	2.300	2.350	Hoists.....	2.375	2.560
Power shovels, pile drivers, hoisting engines.....	2.600	2.600	Compressors and pumps.....	2.175	2.225	Light equipment:		
Medium equipment:			Heavy construction:			Pumps, rollers, and welders.....	2.013	2.238
Bulldozers, concrete mixers, steam boilers.....	2.225	2.225	Heavy equipment:			Heavy construction:		
Light equipment:			Cranes (all types), cable-ways, power shovels.....	2.900	2.800	Heavy equipment:		
Pumps, compressors, welding machines.....	2.150	2.150	Medium equipment:			Cranes, ditchers, and shovels.....	2.375	2.560
Heavy construction:			Tournapulls.....	2.525	2.455	Medium equipment:		
Heavy equipment:			Carry-alls.....	2.500	2.425	Bulldozers.....	2.200	2.425
Power shovels, pile drivers, lighters.....	2.600	2.600	Bulldozers and tractors.....	2.275	2.175	Graders.....	2.013	2.238
Medium equipment:			Light equipment:			Scoops (carry-all).....	2.375	2.560
Concrete mixers, steam boilers, bulldozers.....	2.225	2.225	Welding machines.....	2.300	2.350	Light equipment:		
Light equipment:			Compressors and pumps.....	2.175	2.225	Compressors, pumps, and rollers.....	2.013	2.238
Pumps, compressors, welding machines.....	2.150	2.150	Machinists.....	2.180	2.180	Glaziers.....	2.225	2.325
Glaziers.....	1.650	1.800	Marble setters.....	2.125	2.250	Lathers (wood, wire, and metal).....	2.500	2.550
Lathers.....	2.500	2.700	Mosaic and terrazzo workers.....	2.125	2.250	Marble setters.....	2.125	2.375
Marble setters.....	2.500	2.500	Painters.....	1.450	1.550	Mosaic and terrazzo workers.....	2.125	2.375
Mosaic and terrazzo workers.....	2.500	2.500	Structural steel and pipe.....	1.700	1.800	Painters.....	2.125	2.250
Painters.....	1.650	1.800	Spray.....	1.950	2.050	Structural iron.....	2.500	2.500
Paperhangers.....	1.650	1.800	Paperhangers.....	1.450	1.550	Spray.....	2.555	2.555
Plasterers.....	2.500	2.500	Plasterers.....	2.125	2.250	Swing, scaffold.....	2.250	2.250
Plumbers.....	2.125	2.125	Plumbers.....	1.850	1.850	Paperhangers.....	2.125	2.250
Rodmen.....	2.400	2.550	Roofers, composition.....	1.275	1.380	Plasterers.....	2.500	2.550
Sign painters.....	1.650	1.800	Roofers, slate and tile.....	1.625	1.730	Plumbers.....	2.375	2.550
Steam fitters.....	2.125	2.250	Sheet-metal workers.....	2.025	2.025	Rodmen.....	2.375	2.600
Structural-iron workers.....	2.400	2.550	Sign painters.....	1.450	1.550	Roofers, composition.....	2.125	2.375
Stonemasons.....	2.500	2.500	Steam fitters.....	1.850	1.850	Roofers, slate and tile.....	2.125	2.375
Tile layers.....	2.500	2.500	Stonemasons.....	2.125	2.375	Sheet-metal workers.....	2.250	2.375
			Tile layers.....	2.125	2.250	Sign painters.....	2.000	2.200
						Steam fitters.....	2.375	2.550
<i>Helpers and laborers</i>			<i>Helpers and laborers</i>			<i>Helpers and laborers</i>		
Bricklayers, tenders.....	1.500	1.500	Bricklayers' tenders.....	1.375	1.500	Bricklayers' tenders.....	1.650	1.750
Building laborers.....	1.400	1.400	Building laborers.....	1.675	1.200	Building laborers.....	1.550	1.650
Elevator constructors' helpers.....	1.530	1.640	Composition roofers' helpers.....	1.000	1.100	Elevator constructors' helpers.....	1.590	1.820
Plasterers' laborers.....	1.500	1.500	Marble setters' helpers.....	1.275	1.400	Marble setters' helpers.....	1.600	1.720
			Plasterers' laborers.....	1.375	1.500	Plasterers' laborers.....	1.750	1.850
			Plumbers' laborers.....	1.200	1.325	Plumbers' laborers.....	1.650	1.750
			Terrazzo workers' helpers.....	1.275	1.400	Terrazzo workers' helpers.....	1.600	1.720
			Tile layers' helpers.....	1.275	1.400	Tile layers' helpers.....	1.600	1.720
YORK, PA.			YOUNGSTOWN, OHIO					
<i>Journeymen</i>			<i>Journeymen</i>					
Asbestos workers.....	2.040	2.090	Asbestos workers.....	2.375	2.500	Asbestos workers.....	2.375	2.500
Boilermakers.....	2.180	2.180	Bricklayers.....	2.625	2.750	Bricklayers.....	2.625	2.750
Bricklayers.....	2.125	2.375	Carpenters.....	2.250	2.375	Carpenters.....	2.250	2.375
Carpenters.....	1.625	1.750	Millwrights.....	2.525	2.700	Millwrights.....	2.525	2.700
Cement finishers.....	1.875	2.200	Parquetry floor layers.....	2.250	2.375	Parquetry floor layers.....	2.250	2.375
Electricians (inside wiremen).....	1.875	2.000	Pile drivers.....	2.525	2.700	Pile drivers.....	2.525	2.700
Engineers—Power equipment operators:			Cement finishers.....	2.125	2.375	Cement finishers.....	2.125	2.375
Building construction:			Electricians (inside wiremen).....	2.375	2.550	Electricians (inside wiremen).....	2.375	2.550
Heavy equipment:			Elevator constructors.....	2.275	2.600	Elevator constructors.....	2.275	2.600
Cranes (all types), derricks, power shovels.....	2.900	2.800						