

INDUSTRY WAGE SURVEY

Basic Iron and Steel

MARCH 1962

Bulletin No. 1358

UNITED STATES DEPARTMENT OF LABOR
W. Willard Wirtz, Secretary

BUREAU OF LABOR STATISTICS
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Preface

The results of a survey of wages and supplementary practices in basic iron and steel mills in March 1962, conducted by the Bureau of Labor Statistics, are summarized in this bulletin. Other reports available from the Bureau's program of industry wage studies are listed at the end of this report.

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Industry Wage Survey—

Basic Iron and Steel, March 1962

Summary

In March 1962, production and related workers in the basic iron and steel industry earned an average of \$3.17 an hour, exclusive of premium pay for overtime and for work on weekends, holidays, and late shifts.¹ In the earnings array, the middle half of the 484,600 steelworkers had straight-time earnings ranging between \$2.78 and \$3.51 an hour. Among the 79 jobs for which separate information was obtained, average straight-time hourly earnings ranged from \$2.32 for janitors to \$5.57 for tandem-mill rollers. The inclusion of premium pay for work on Sundays and late shifts added varying amounts, ranging up to 6 percent, to the job pay levels. All establishments reporting had formal provisions for paid vacations, paid holidays, various types of health and life insurance benefits, retirement pensions, and other supplementary benefits.

Industry Characteristics

The manufacture of basic iron and steel products consists of a series of processes that are closely related and yet quite varied. First, iron ore is reduced to molten iron in blast furnaces. The iron is then converted into steel in open-hearth or other types of steelmaking furnaces. Finally, the steel is rolled into basic products, such as plates, sheets, strips, rods, bars, and structural shapes. These basic products are usually sold for further processing; however, many steel plants also produce finished products, such as wire, pipes, and tubes. The chart on page 2 indicates the major steelmaking processes and some of the important products of the industry.

Iron and steel plants differ in the number and types of operations they perform. Many of these plants are fully integrated, that is, they operate coke plants, blast furnaces, steel furnaces, and rolling and finishing mills.² Some plants are partially integrated, having steelmaking furnaces and rolling mills or forging shops but not operating blast furnaces. Nonintegrated plants include (1) those which operate only blast furnaces or (2) those which are engaged in rolling and finishing various products from steel but do not operate either blast furnaces or steelmaking furnaces.

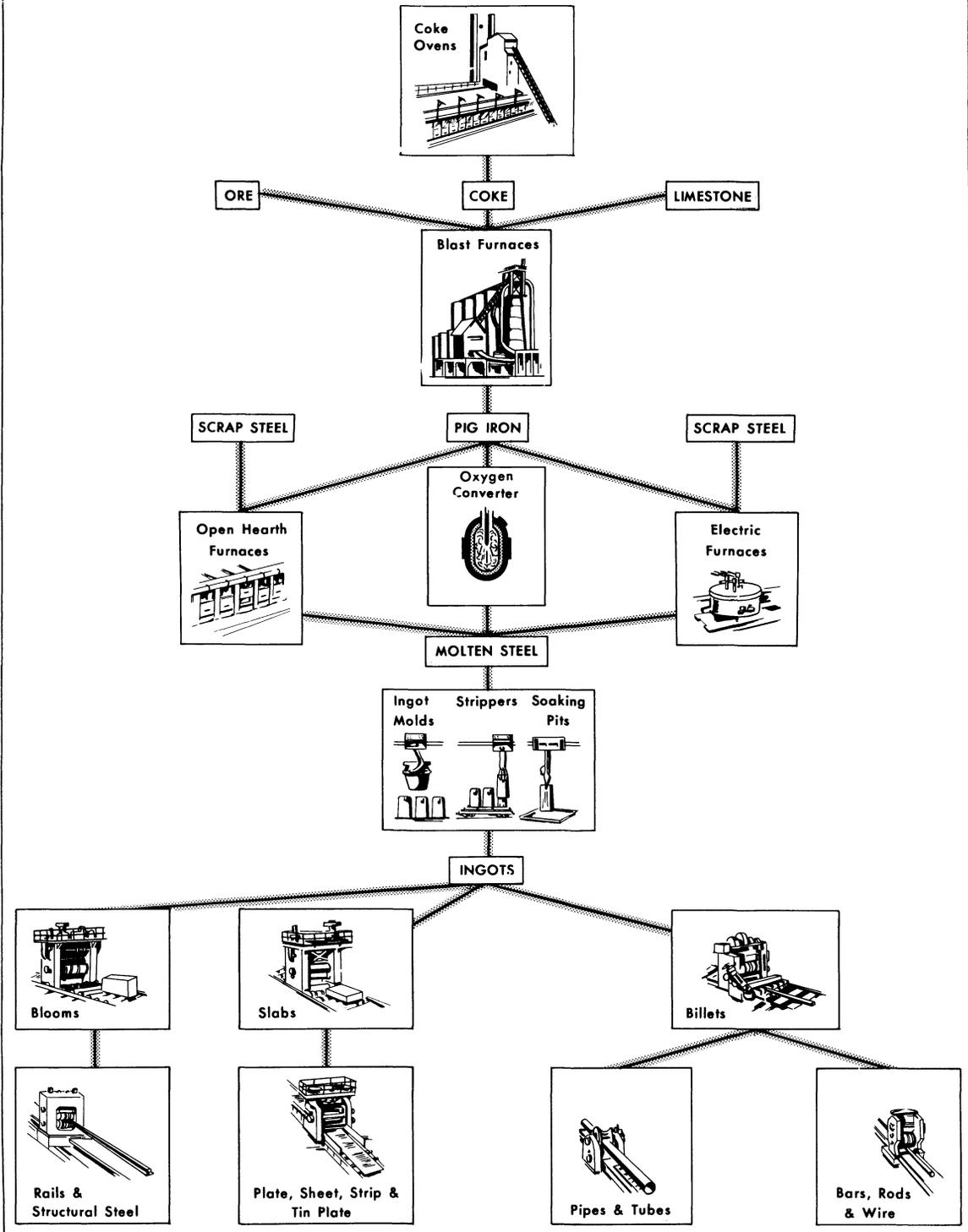
Open-hearth furnaces produced 86 percent of the 1961 output of 98 million tons of ingot steel.³ This method of production has been predominant since the early 1900's, accounting for nine-tenths of the steel produced in 1940. Electric

¹ See appendix A for scope and method of survey.

² In 1958, approximately half of the workers in the industry were in fully integrated works, three-tenths in partially integrated works, and the remainder in nonintegrated works. See: U.S. Bureau of the Census, U.S. Census of Manufactures: 1958, Vol. II, Industry Statistics, Part 2, Major Groups 29 to 39, p. 33A-10.

³ Charting Steel's Progress. A Graphic Facts Book on the Iron and Steel Industry. (1961 edition) (pp. 20 and 21), New York, American Iron and Steel Institute.

Flow Chart of Steelmaking



furnaces accounted for 9 percent of the 1961 tonnage. During the past few years, however, new steelmaking processes have been introduced which appear likely to grow during the years ahead. The basic oxygen process accounted for 4 percent of the steel produced in 1961, an increase of one-fifth over 1960. A few years ago, oxygen furnaces, which speed steelmaking, produced only a few hundred thousand tons. In addition, some companies have installed facilities to use oxygen in their open-hearth furnaces to speed the steelmaking process. One large steel mill recently reported that its hourly output had been increased 150 percent by this method.⁴ Other recent technological improvements in steelmaking include the increased beneficiation of iron ore to remove impurities and obtain a better product for blast furnaces, and the increased use of electric furnaces.

Steel is manufactured in more than half of the States. Pennsylvania and Ohio are the major centers, together accounting for about 45 percent of the Nation's steelmaking capacity. Other important steel-producing States include Indiana, Illinois, Maryland, Michigan, New York, Alabama, California, and West Virginia; each of these States accounted for 2 percent or more of total ingot capacity.

The industry is characterized by multiplant company operations and large plants. Four companies (U. S. Steel, Bethlehem, Republic, and Jones and Laughlin) accounted for approximately 60 percent of the total ingot capacity. More than two-thirds of the steelworkers were in plants employing 2,500 or more workers.

The industry employs workers in more than 1,000 different types of jobs, ranging from unskilled labor to highly technical and professional occupations. Many of these jobs are peculiar to iron and steelmaking. A large proportion of the workers are directly engaged in making iron and steel and converting it into partly finished and finished products. Many other workers are required to care for the vast amount of machinery and equipment used by the industry, to operate cranes and other equipment to move materials, and to perform other types of indirect labor.

Virtually all of the plants in the industry had collective bargaining agreements with labor organizations. The United Steelworkers of America (AFL-CIO) had contracts with plants accounting for about nine-tenths of the industry's production and related workers.

A common job evaluation system, developed jointly by the major steel producers and the Steelworkers union and referred to as the "Cooperative Wage Study" (CWS) system, was used as the basis for rate setting by establishments employing more than four-fifths of the production and related workers in the industry. Under this system, all occupational classifications are assigned point values on the basis of such factors as experience, skill, responsibility, effort, and working conditions. These point values, in turn, are related to 1 of 32 established labor grades. Janitorial or cleanup labor (grades 1 and 2, which now have a common rate) were found at the base of the structure; uniform cents-per-hour increments existed between each of the remaining grades in virtually all establishments. Not all of the establishments using the system have the full complement of grades, in the sense that jobs have been slotted into each grade.

Nearly two-thirds of the workers covered by the study received pay based on some form of wage incentive. For the large majority of these workers (88 percent), standard or occupational rates were used at the time of the study as the base upon which incentive earnings were computed.

⁴ Wall Street Journal, August 14, 1962, p. 1.

Men accounted for about 95 percent of the industry's production workers. Women were employed in only a few of the departments in the industry.

Average Hourly Earnings

Earnings of production and related workers in March 1962, in the basic iron and steel industry averaged \$3.17 an hour, exclusive of premium pay for overtime and for work on weekends, holidays, and late shifts.⁵ (See table 1.) Workers paid on an incentive basis averaged \$3.42 an hour, compared with \$2.70 an hour for workers paid time rates. This difference is significantly influenced by the occupational-mix of workers in the two categories of wage payment. Workers receiving incentive pay based on standard or occupational rates averaged \$3.43—9 cents more than workers receiving wage incentives that were computed independently of standard or occupational rates.

Earnings of all but 1 percent of the 484,600 workers within the scope of the survey ranged from \$2.20 to \$5 an hour. In the earnings array, the middle half of these workers earned between \$2.78 and \$3.51. This 73-cent spread compares with a 51-cent interquartile range for time-rated workers and a 56-cent range for incentive-paid workers. Differences in the earnings levels for these two groups of workers explain the wider range recorded for all workers. Two-thirds of the time-rated workers earned less than \$2.80 an hour, compared with less than 5 percent of the incentive-paid workers. At the other end of the scale, 40 percent of the workers receiving incentive pay earned \$3.50 or more an hour, but less than 1 percent of the time-rated workers earned as much as \$3.50.

Occupational Earnings

The study of occupational earnings was limited to plants which used the CWS job evaluation system and had a minimum hourly rate of \$2.285 (including an 18 $\frac{1}{2}$ -cent cost-of-living adjustment) with 7-cent wage increments between job classes. It is estimated that these plants in March 1962, accounted for about seven-tenths of the workers in the industry.⁶ Although the common job evaluation system consists of 32 job classes (job classes 1 and 2 have the same rate), fewer than 3 percent of the workers were in job class 17 or above at the time of the study. As indicated in the following tabulation, more than half of the workers were in the first eight job classes.

⁵ The gross average hourly earnings published in the Bureau's monthly hours and earnings series for the blast furnace and basic steel products industry group was \$3.29 in March 1962. The difference between this figure and \$3.17 is accounted for largely by the inclusion in the hours and earnings series of premium pay for overtime and for work on weekends, holidays, and late shifts. The remaining amount may be due to differences in survey coverage. Unlike this survey, the Bureau's monthly estimates include all establishments classified in industry group 331, as defined in the 1957 edition of the Standard Industrial Classification Manual prepared by the Bureau of the Budget.

⁶ A few plants used the CWS system but had slightly different minimums and/or wage increments. Such plants were excluded from the occupational portion of the study.

Proportion of workers in steel plants having a
common job evaluation system, by job
classes, March 1962

Job class	Percent	Cumulative percent
1 and 2 -----	7.0	7.0
3 -----	5.8	12.7
4 -----	7.1	19.9
5 -----	8.9	28.7
6 -----	10.4	39.1
7 -----	8.0	47.1
8 -----	10.1	57.3
9 -----	6.7	64.0
10 -----	5.4	69.3
11 -----	4.1	73.5
12 -----	4.6	78.0
13 -----	3.5	81.5
14 -----	8.4	89.9
15 -----	3.2	93.1
16 -----	4.2	97.3
17 through 32 -----	2.7	100.0

NOTE: Because of rounding, sums of the components do not equal totals.

The 79 jobs for which data are provided in tables 2 through 4 are representative of some of the more important types of occupations found in the industry and accounted for approximately 57,000 workers—slightly more than a tenth of the industry's production and related workers at the time of the study. The occupations were limited to specific departments as indicated, with the exception of maintenance and service occupations which were found in several departments.

Among the occupations studied, average straight-time hourly earnings ranged from \$2.32 for janitors to \$5.57 for tandem-mill rollers (table 2). Averages for all selected occupations were higher when premium pay for work on Sundays and late shifts was included in the earnings (table 3). The differences in the 2 averages amounted to less than 2 percent for 10 jobs, 2 to 4 percent for 33 jobs, 4 to 6 percent for 35 jobs, and 6 percent for 1 job. Differences between straight-time earnings and earnings including Sunday and late-shift premiums amounted to 5 to 6 percent in coke oven, blast furnace, and open-hearth occupations. The percentage differences in electric furnace and blooming and billet mill occupations also tended to be greater than in other processing jobs studied.

Within most of the occupations studied, individual earnings varied widely. This is reflected in the broad range of company averages recorded for the same occupation. For example, company averages for first helpers on open-hearth furnaces ranged under \$4 to more than \$6 an hour. Similarly, averages for wire drawers (continuous) ranged from under \$2.80 to about \$4 an hour. Such variations were due to company and establishment differences in the assignment of job classes (and, thus, the rate) for a particular occupation and in the extent of incentive wage systems.

Since the job class of each occupation in establishments using the CWS job evaluation system is determined with reference to point values assigned to a number of rating factors,⁷ it would be expected that the job class assigned to

⁷ These factors include: Preemployment training, employment training and experience, mental skill, manual skill, responsibility for material, responsibility for tools and equipment, responsibility for operations, responsibility for safety of others, mental effort, physical effort, surroundings, and hazard.

any one occupation would vary somewhat among companies and among operations within the same company. Two or more job classes were, in fact, reported for each of the occupations studied. For some occupations (particularly the maintenance trades) this variation was relatively minor. Thus, virtually all of the bricklayers were in job class 15 and all but a very few of the carpenters were in job class 13.⁸ Among many of the occupations, however, a substantial proportion of the workers were in several different job classes. For example, data reported for tandem-mill rollers in continuous hot-strip mills included 13 job classes (ranging from 15 to 28) for which earnings information could be presented separately.⁹ Variations in company averages within specific job classes as presented in table 2 are due entirely to incentive earnings, since the straight-time rates of pay for hourly-rated workers are based on the job class and are the same in all companies represented in this portion of the study. The inclusion of premium pay for work on Sundays and late shifts, as presented in table 3, adds to the variations in company averages.

As indicated in table 4, the majority of the workers in all but six of the occupations studied were paid on an incentive basis. Assorters in continuous hot-strip mills, janitors, laborers, toolmakers, automotive repairmen, and first-power engineers were the only occupations paid predominantly on a time-rate basis.

Workers paid incentive wages earned substantially more than hourly-rated workers employed in the same occupation and job class in each of the 28 instances where comparison was possible. Incentive-paid workers averaged approximately 30 percent more than time-rated workers in 2 classifications (job class 4 hookers and job class 10 wire drawers), from 15 to 25 percent more in 12 classifications, from 10 to 14 percent more in 13 classifications, and 9 percent more in 1 classification (laborers, job class 2).

Establishment Practices and Supplementary Wage Provisions

Provisions in the industry for premium payment for work on late shifts, weekends, and hours outside the regular work schedule, as well as for supplementary benefits provided to production workers, are practically uniform with only minor variations among the smaller companies.¹⁰ The more important of these provisions are summarized in the following paragraphs and apply in nearly all steel companies having agreements with the United Steelworkers union.

Shift Differentials. Hours worked on the afternoon and night shifts were paid for at premium rates of 8 and 12 cents an hour, respectively. Shift premiums are not added to the base hourly rate for the purpose of calculating incentive earnings but are computed by multiplying hours worked by the applicable differential and then adding the product to the earnings. Due to the continuous

⁸ Only employees on standard or journeymen rates were included in the repair and maintenance trade or craft occupations studied. Workers at the intermediate rate (two job classes below the standard rate) and at the starting rate (four job classes below the standard rate) were excluded.

⁹ Whereas the information presented for the occupational classifications includes data for all workers reported in the classification, the job classes presented separately were limited to those reported by three or more companies and for which the data met other publication criteria.

¹⁰ There may also be minor variations as to one or more of these practices in those few cases in which production and maintenance employees are represented by independent unions.

operations required by many of the steelmaking departments, a large proportion of the workers in the industry are regularly scheduled to work on late shifts. At the time of the study, it was estimated that a fourth of the workers were employed on the afternoon shift and a fifth of the workers were employed on the night shift.

Sunday Premium Pay. Many employees are also required to work on Sundays as part of their regular workweek. A premium rate of 25 percent based on the regular rate of pay (average straight-time hourly earnings for incentive workers) was paid for all hours worked on Sundays which were not paid for on an overtime basis. (See below.)

Overtime Provisions. Overtime at the rate of $1\frac{1}{2}$ times the regular rate of pay was paid for: (1) Hours worked in excess of 8 hours in a workday; (2) hours worked in excess of 40 hours in a payroll week; and (3) hours worked on the sixth or seventh workday (a) in a payroll week during which work was performed on 5 other workdays or (b) of a 7-consecutive-day period during which the first 5 days were worked.

Paid Holidays. Seven holidays with pay were provided: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. (By local agreement, another day may be selected in place of Memorial Day.) If the calendar holiday is on Sunday, the holiday is to be observed the following Monday. When a holiday occurs during an eligible employee's scheduled vacation, he is to be paid for the unworked holiday in addition to his vacation pay. Double time and a fourth (total) is to be paid for all hours worked on any of the 7 paid holidays.

Paid Vacations. The length of the vacation period and the amount of pay provided depends on the employee's length of service with the company as indicated in the following tabulation.

Years of service	<u>Vacation time off</u>	<u>Amount of pay</u>
	In effect during 1962	
1 and under 3 -----	1 week	1 week
3 and under 5 -----	1 week	$1\frac{1}{2}$ weeks
5 and under 10 -----	2 weeks	2 weeks
10 and under 15 -----	2 weeks	$2\frac{1}{2}$ weeks
15 and under 25 -----	3 weeks	3 weeks
25 and over -----	3 weeks	$3\frac{1}{2}$ weeks
Effective January 1, 1963		
1 and under 3 -----	1 week	1 week
3 and under 10 -----	2 weeks	2 weeks
10 and under 25 -----	3 weeks	3 weeks
25 and over -----	4 weeks	4 weeks

¹ Slight variations may exist in practice.

The April 1962 agreement also contains provisions for a new savings and vacation plan which was described in the June 1962 issue of Steel Facts,¹¹ as follows:

A novel savings and vacation plan to be initiated effective July 1, 1962, will be financed by company contributions of 3 cents per hour worked by covered employees, plus amounts (up to 4½ cents per hour) not needed for the operation of the Supplemental Unemployment Benefit Plan. The new plan will provide benefits in two ways. First, each employee will be entitled to 1 week's vacation pay (at 1960 rates) for each 5 years of service prior to January 1, 1961. This benefit is payable only at retirement. To encourage retirement at age 65, or when eligible to retire on pension after age 65, this benefit will be reduced by 10 percent for each full 3 months after the employee becomes entitled to such pension and does not retire. Second, the plan provides that, as funds become available (but not prior to February 1, 1963) employees will become eligible, in order of their length of continuous service for a vacation benefit consisting of 1 week of vacation for every 2 years of credited service subsequent to January 1, 1961, subject to certain minimum hours requirements beginning January 1, 1963. Employees may choose to take that extra vacation benefit through 1 of 3 options: (a) Vacation time off during current or following year (as scheduled by management); (b) at a later time but no sooner than 24 months after date of entitlement; or (c) receive the benefit as a lump-sum payment at retirement or termination of employment or in the event of a special hardship situation such as extended unemployment or illness. If the vacation is deferred in accordance with option (c), employees will be entitled to interest on the vacation benefits thus allowed to accumulate.

Supplemental Unemployment Benefits. A supplemental unemployment benefit plan, as amended in the spring of 1962, provides, in general, weekly benefits (up to a maximum of 52 weeks) equivalent to 24 hours' straight-time earnings (including unemployment insurance benefits), plus dependents' allowance for eligible employees on layoff. The plan also provides for benefits for employees who work less than 32 hours per week.

Health, Insurance, and Pension Plans. A broad program that includes group life insurance, hospitalization and surgical insurance for active employees and their dependents, group life insurance, accident and sickness insurance, and pension benefits has been in effect for many years in some companies, and has been general in the industry since 1950. Effective July 1, 1962, pension benefits were increased and eligibility requirements liberalized for certain employees under age 65 who are displaced because of the permanent shutdown of a plant, department, or subdivision.

¹¹ American Iron and Steel Institute.

Table I. Earnings Distribution

(Percent distribution of production and related workers in basic iron and steel establishments by average straight-time hourly earnings¹ and method of wage payment, March 1962)

Average straight-time hourly earnings ¹	All workers	Time-rated workers	Incentive-paid workers		
			Total	With earnings—	
				Based on standard or occupational rates ²	Independent of standard or occupational rates ³
Under \$2.20 -----	0.1	0.4	-	-	-
\$2.20 and under \$2.30 -----	4.6	12.9	-	-	-
\$2.30 and under \$2.40 -----	2.7	7.4	0.2	0.2	0.2
\$2.40 and under \$2.50 -----	5.5	14.7	.5	.5	.4
\$2.50 and under \$2.60 -----	3.5	9.0	.5	.1	3.6
\$2.60 and under \$2.70 -----	3.9	7.8	1.7	1.4	3.9
\$2.70 and under \$2.80 -----	6.2	14.7	1.6	1.2	4.6
\$2.80 and under \$2.90 -----	6.4	5.5	6.8	6.8	6.4
\$2.90 and under \$3.00 -----	8.0	7.4	8.4	8.7	6.2
\$3.00 and under \$3.10 -----	4.6	3.4	5.3	5.1	6.4
\$3.10 and under \$3.20 -----	8.0	9.6	7.2	6.5	12.2
\$3.20 and under \$3.30 -----	8.7	4.7	10.9	10.8	11.2
\$3.30 and under \$3.40 -----	5.2	.8	7.6	7.8	6.1
\$3.40 and under \$3.50 -----	6.4	.8	9.5	9.6	8.5
\$3.50 and under \$3.60 -----	7.1	.3	10.8	11.6	4.5
\$3.60 and under \$3.70 -----	4.1	.1	6.2	5.9	8.8
\$3.70 and under \$3.80 -----	2.7	(⁴)	4.2	4.5	2.2
\$3.80 and under \$3.90 -----	5.1	.2	7.8	8.5	2.8
\$3.90 and under \$4.00 -----	1.2	.1	1.8	2.0	.4
\$4.00 and under \$4.10 -----	.9	(⁴)	1.3	1.1	3.3
\$4.10 and under \$4.20 -----	2.3	(⁴)	3.6	3.9	1.3
\$4.20 and under \$4.30 -----	.2	(⁴)	.3	.2	.7
\$4.30 and under \$4.40 -----	.4	(⁴)	.7	.6	.8
\$4.40 and under \$4.50 -----	.2	(⁴)	.3	.2	.6
\$4.50 and under \$4.60 -----	.4	.1	.5	.5	.5
\$4.60 and under \$4.70 -----	.2	(⁴)	.3	.2	.6
\$4.70 and under \$4.80 -----	.4	-	.6	.2	2.8
\$4.80 and under \$4.90 -----	(⁴)	(⁴)	.1	.1	.1
\$4.90 and under \$5.00 -----	.1	-	.2	.2	(⁴)
\$5.00 and over -----	.7	-	1.1	1.2	.7
Total -----	100.0	100.0	100.0	100.0	100.0
Total number of workers -----	484,600	170,400	314,200	275,500	38,700
Average hourly earnings ¹ -----	\$3.17	\$2.70	\$3.42	\$3.43	\$3.34

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

² Incentive earnings calculated as a percentage of the employee's occupational rate.

³ Includes piecework or tonnage rates not related to any hourly wage rate, and incentives under which time is converted to money by means of an hourly wage rate different from the standard hourly wage rate.

⁴ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 2. Occupational Earnings: Straight-Time Pay

(Number and average straight-time hourly earnings¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over
				\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60	over
Coke Works and Byproducts																										
Benzol stillmen -----		176	\$ 3.59	-	-	-	4	6	38	45	30	53	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	13	3.32	-	-	-	4	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	21	3.47	-	-	-	-	-	4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	17	3.50	-	-	-	-	5	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	13	3.70	-	-	-	-	-	-	4	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	29	3.74	-	-	-	-	-	3	-	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18	20	3.75	-	-	-	-	-	-	6	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	
Door machine operators ----		490	3.29	-	-	-	57	13	344	63	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	68	3.20	-	-	-	34	-	-	21	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	409	3.31	-	-	-	23	-	344	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heaters -----		364	3.78	-	-	-	-	-	-	95	38	184	26	21	-	-	-	-	-	-	-	-	-	-	-	
	18	247	3.82	-	-	-	-	-	-	37	-	184	13	13	-	-	-	-	-	-	-	-	-	-	-	
	19	29	3.94	-	-	-	-	-	-	8	-	-	13	8	-	-	-	-	-	-	-	-	-	-	-	
Lidmen -----		521	2.92	-	51	30	246	143	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	281	2.83	-	27	-	233	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	79	2.96	-	24	-	13	17	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	118	3.06	-	-	13	-	105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	43	3.06	-	-	17	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pusher operators -----		396	3.36	-	-	-	57	-	106	207	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	148	3.22	-	-	-	34	-	101	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	248	3.45	-	-	-	23	-	5	207	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wharfmen -----		258	2.63	25	14	219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3	235	2.64	25	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Blast Furnaces, Docks, and Ore Handling																										
Cinder snappers -----		522	3.09	-	20	4	162	292	12	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	361	3.09	-	12	-	145	179	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	45	3.07	-	-	4	-	34	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
First blowing engineers ----		248	3.39	-	-	-	33	77	4	39	70	25	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	16	3.52	-	-	-	4	-	-	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	147	3.49	-	-	-	-	44	4	16	62	21	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14	25	3.42	-	-	-	-	8	-	13	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	31	3.27	-	-	-	-	25	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Keepers -----		527	3.65	-	-	-	12	68	-	13	291	98	45	-	-	-	-	-	-	-	-	-	-	-	-	
	14	515	3.67	-	-	-	-	68	-	13	291	98	45	-	-	-	-	-	-	-	-	-	-	-	-	
Keepers helpers -----		964	3.16	-	8	218	123	81	318	122	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	50	3.04	-	4	13	-	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	203	3.00	-	-	29	111	34	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	79	3.11	-	-	20	8	9	29	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	502	3.33	-	-	58	-	17	224	109	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Larrymen -----		607	3.31	-	4	54	30	24	270	157	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	74	3.09	-	-	21	4	-	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	67	3.14	-	-	12	8	18	4	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0	369	3.40	-	-	-	17	4	174	119	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1	62	3.48	-	-	-	1	-	35	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ore-bridge cranimen -----		291	3.40	-	-	-	25	26	135	29	64	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	249	3.43	-	-	-	25	-	135	13	64	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	33	3.23	-	-	-	-	20	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14	9	3.25	-	-	-	-	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sinter-machine operators ----		160	3.25	-	-	12	40	16	14	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	64	3.30	-	-	-	15	4	8	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	23	3.34	-	-	-	4	4	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	45	3.29	-	-	-	17	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stock unloaders -----		599	2.82	8	38	301	54	190	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3	25	2.66	8	3	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	475	2.82	-	15	269	26	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	58	2.84	-	10	23	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 2. Occupational Earnings: Straight-Time Pay—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under \$2.40	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over
Open Hearth																										
Charging-machine operators -----		655	\$4.37	-	-	-	-	-	8	8	-	17	264	64	202	43	17	-	-	-	-	-	-	32	-	-
	16	612	4.34	-	-	-	-	-	8	8	-	17	264	64	202	-	17	-	-	-	-	-	-	32	-	-
First helpers -----		1,645	5.26	-	-	-	-	-	-	-	-	43	-	12	34	29	306	172	634	149	35	143	84	4	-	-
	23	51	4.11	-	-	-	-	-	-	-	-	35	-	12	-	-	-	-	4	-	-	-	-	-	-	-
	24	1,144	5.20	-	-	-	-	-	-	-	-	3	-	-	34	-	306	98	548	78	35	42	-	-	-	-
	25	94	5.42	-	-	-	-	-	-	-	-	1	-	-	-	8	-	-	31	50	-	-	-	4	-	-
	27	238	5.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	51	-	-	-	-	-	-	-
Ladle cranimen -----		1,064	4.23	-	-	-	-	-	21	41	40	131	244	288	219	34	-	46	-	-	-	-	41	84	-	-
	13	321	4.15	-	-	-	-	-	-	-	-	35	81	-	205	-	-	-	-	-	-	-	-	-	-	-
	16	584	4.26	-	-	-	-	-	17	-	-	33	244	54	219	17	-	-	-	-	-	-	-	-	-	-
Raw materials stockers ----		867	3.07	29	3	59	382	144	179	25	29	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	207	3.11	-	-	29	38	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	266	2.84	29	-	30	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	270	3.09	-	3	-	95	138	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Second helpers -----		1,640	4.30	-	-	-	-	6	34	18	-	34	561	174	692	121	-	-	-	-	-	-	-	-	-	-
	13	55	3.59	-	-	-	-	4	34	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-
	14	146	4.24	-	-	-	-	-	-	18	-	-	-	128	-	-	-	-	-	-	-	-	-	-	-	-
	15	1,439	4.34	-	-	-	-	2	-	-	-	34	561	46	675	121	-	-	-	-	-	-	-	-	-	-
Second steel pourers -----		347	4.02	-	-	7	-	-	4	-	-	71	102	51	8	104	-	-	-	-	-	-	-	-	-	-
	11	26	4.05	-	-	-	-	-	-	-	-	4	14	-	8	-	-	-	-	-	-	-	-	-	-	-
	15	34	4.12	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-
Stockyard cranimen -----		691	3.49	-	1	9	4	93	188	47	257	31	61	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	73	3.85	-	1	-	-	11	-	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	506	3.45	-	-	-	4	34	188	47	233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	98	3.41	-	-	8	-	48	-	-	11	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Furnaces																										
First helpers -----		177	4.79	-	-	-	-	-	3	-	-	-	1	2	55	23	66	15	-	-	-	12	-	-	-	-
	23	31	5.12	-	-	-	-	-	-	-	-	-	-	-	8	-	3	12	-	-	-	8	-	-	-	-
	24	51	4.88	-	-	-	-	-	-	-	-	-	-	-	-	8	43	-	-	-	-	-	-	-	-	-
Mouldmen -----		139	3.34	-	-	27	14	30	15	21	4	-	16	12	-	-	-	-	-	-	-	-	-	-	-	-
	6	47	3.04	-	-	23	-	-	15	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	24	3.96	-	-	-	-	-	-	8	4	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-
Stopper makers -----		18	2.97	-	8	1	-	5	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	13	2.80	-	8	1	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Blooming, Slabbing, and Billet Mills																										
Blooming- and slabbing-mill rollers -----		174	5.52	-	-	-	-	-	-	-	-	2	7	-	-	10	10	8	32	12	41	6	39	4	2	1
	23	10	5.20	-	-	-	-	-	-	-	-	-	3	-	-	-	-	8	-	4	-	3	-	-	-	-
	27	87	5.56	-	-	-	-	-	-	-	-	-	4	-	-	-	-	3	10	4	18	-	30	-	-	-
	28	49	5.78	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	6	-	17	3	9	4	2	1
Bottom makers -----		257	3.53	-	-	4	2	17	71	41	72	11	39	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	60	3.42	-	-	2	-	2	33	-	20	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	48	3.53	-	-	2	-	-	4	26	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	121	3.59	-	-	-	2	-	34	15	44	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-
Guide setters -----		48	3.67	-	-	-	3	-	-	12	21	-	4	6	-	-	-	-	-	-	-	-	-	-	-	-
Levermen -----		62	3.98	-	-	3	3	5	-	10	9	-	7	-	-	10	9	2	4	-	-	-	-	-	-	-
	11	7	3.51	-	-	-	-	2	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	20	4.50	-	-	-	-	-	-	-	-	-	6	-	-	10	-	-	4	-	-	-	-	-	-	-
Manipulators -----		197	4.26	-	-	-	-	4	-	-	9	17	49	72	14	5	17	8	-	2	-	-	-	-	-	-
	13	86	4.13	-	-	-	-	4	-	-	7	-	11	60	-	4	-	-	-	-	-	-	-	-	-	-
	14	63	4.32	-	-	-	-	-	-	-	-	17	18	-	14	1	13	-	-	-	-	-	-	-	-	-
	15	32	4.28	-	-	-	-	-	-	-	-	-	16	12	-	-	4	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 2. Occupational Earnings: Straight-Time Pay—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over
				\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60	over
<u>Continuous Hot-Strip Mills—Continued</u>																										
Roughers -----		97	\$4.80	-	-	-	-	-	4	4	10	7	5	2	12	4	3	12	19	-	4	-	4	-	4	3
	15	33	4.90	-	-	-	-	-	-	-	-	4	5	-	4	-	-	5	11	-	4	-	-	-	-	-
	16	11	5.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strip finishers -----		80	4.78	-	-	-	-	-	-	-	6	4	-	18	8	4	15	-	11	11	-	-	-	-	-	3
	14	15	4.06	-	-	-	-	-	-	-	6	4	-	2	-	-	3	-	-	-	-	-	-	-	-	-
	15	33	4.84	-	-	-	-	-	-	-	-	-	-	11	8	4	-	7	-	-	-	-	-	-	-	3
	16	13	4.84	-	-	-	-	-	-	-	-	-	-	4	-	-	5	-	4	-	-	-	-	-	-	-
Strip-mill cranemen -----		249	3.51	-	-	10	8	47	68	16	32	61	-	-	-	-	-	7	-	-	-	-	-	-	-	-
	8	30	3.10	-	-	10	-	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	195	3.54	-	-	-	8	18	68	16	24	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tandem-mill rollers -----		443	5.57	-	-	-	-	-	-	1	17	3	11	26	20	20	37	10	35	12	86	47	13	5	35	65
	15	19	4.37	-	-	-	-	-	-	1	7	-	-	-	7	-	-	4	-	-	-	-	-	-	-	-
	16	44	5.06	-	-	-	-	-	-	-	-	-	-	12	-	11	-	7	-	4	10	-	-	-	-	-
	17	82	5.63	-	-	-	-	-	-	-	-	3	-	-	-	-	14	-	-	44	17	-	-	-	-	4
	18	57	5.32	-	-	-	-	-	-	-	-	-	7	4	-	7	1	-	-	38	-	-	-	-	-	-
	19	24	4.93	-	-	-	-	-	-	-	-	-	-	-	2	20	-	2	-	-	-	-	-	-	-	-
	20	19	4.99	-	-	-	-	-	-	-	-	-	-	11	-	-	2	-	-	-	-	6	-	-	-	-
	21	40	5.99	-	-	-	-	-	-	-	-	-	-	10	-	-	-	4	-	-	-	4	2	-	20	-
	22	6	5.23	-	-	-	-	-	-	-	-	-	1	-	-	-	-	4	-	-	-	-	1	-	-	-
	23	22	5.57	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	11	-	4	-	-	-	-	4
	25	23	6.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-	18
	26	45	5.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	6	6	-	-	-	11
	27	11	6.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	7
	28	36	6.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	8
Tractor operators -----		905	3.13	-	38	94	12	504	81	37	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	44	2.89	-	-	23	6	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	817	3.17	-	-	71	4	504	66	33	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Plates</u>																										
Burning-machine operators -----		133	3.51	-	1	16	5	21	34	-	7	3	46	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	59	3.76	-	-	13	-	-	-	-	-	3	46	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	8	3.22	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Layerouts -----		133	3.51	-	11	-	16	24	22	1	12	23	-	24	-	-	-	-	-	-	-	-	-	-	-	-
	8	10	3.58	-	-	-	1	-	3	1	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11	25	3.76	-	-	-	4	-	-	-	3	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	17	3.35	-	-	-	8	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Bars</u>																										
Assistant bar-mill rollers ---		179	4.34	-	-	-	-	-	2	6	-	6	64	21	45	-	23	4	8	-	-	-	-	-	-	-
	17	12	4.41	-	-	-	-	-	1	-	-	4	-	-	-	-	7	-	-	-	-	-	-	-	-	-
	18	33	4.43	-	-	-	-	-	-	-	-	-	13	8	-	-	12	-	-	-	-	-	-	-	-	-
	19	95	4.36	-	-	-	-	-	-	-	-	-	35	6	45	-	4	5	-	-	-	-	-	-	-	-
	20	15	4.57	-	-	-	-	-	-	-	-	8	-	-	-	-	4	3	-	-	-	-	-	-	-	-
Bar catchers -----		314	3.63	-	-	-	-	-	129	12	95	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	192	3.60	-	-	-	-	-	108	6	-	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-
Bar-mill roughers -----		282	3.83	-	-	-	7	-	3	61	138	13	15	10	16	15	3	1	-	-	-	-	-	-	-	-
	12	15	3.26	-	-	-	7	-	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	125	3.78	-	-	-	-	-	-	5	111	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-
	14	76	3.77	-	-	-	-	-	44	13	6	-	10	-	-	3	-	-	-	-	-	-	-	-	-	-
	15	42	4.26	-	-	-	-	-	1	-	7	15	-	4	15	-	-	-	-	-	-	-	-	-	-	-
Chargers -----		234	3.13	-	-	99	85	17	12	-	3	7	-	11	-	-	-	-	-	-	-	-	-	-	-	-
	5	31	2.96	-	-	-	29	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	175	3.07	-	-	70	74	17	4	-	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	12	3.25	-	-	-	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 2. Occupational Earnings: Straight-Time Pay—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																					
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40
<u>Bars—Continued</u>																									
Coilers -----		65	\$3.38	-	-	7	5	11	14	-	21	1	-	6	-	-	-	-	-	-	-	-	-	-	-
	6	10	2.83	-	-	3	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	25	3.43	-	-	1	-	8	10	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Rod finishers -----		81	4.31	-	-	-	-	4	-	-	2	20	8	2	23	15	1	3	3	-	-	-	-	-	-
	13	12	4.57	-	-	-	-	-	-	-	-	-	-	2	7	-	-	-	-	-	-	-	-	-	-
	16	41	4.15	-	-	-	-	-	-	-	-	20	4	-	16	-	1	-	-	-	-	-	-	-	-
Shearmen -----		183	3.37	-	29	18	3	18	37	20	4	17	11	12	12	-	2	-	-	-	-	-	-	-	-
	6	29	2.73	-	19	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	6	2.70	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	12	3.07	-	-	7	-	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	19	3.70	-	-	-	2	-	-	11	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
	11	60	3.58	-	-	-	-	-	34	9	-	-	8	-	9	-	-	-	-	-	-	-	-	-	-
	12	31	3.98	-	-	-	-	-	3	-	-	17	-	9	-	-	2	-	-	-	-	-	-	-	-
<u>Wire</u>																									
Bundlers-----		192	2.93	1	51	29	64	17	9	-	7	-	14	-	-	-	-	-	-	-	-	-	-	-	-
	5	147	2.94	-	27	29	53	17	9	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-
Nail-machine operators ----		153	3.73	-	-	-	4	9	-	30	-	82	28	-	-	-	-	-	-	-	-	-	-	-	-
	11	151	3.73	-	-	-	4	9	-	28	-	82	28	-	-	-	-	-	-	-	-	-	-	-	-
Straighten and cut operators -----		89	3.15	-	-	19	19	10	29	-	9	-	-	3	-	-	-	-	-	-	-	-	-	-	-
	7	58	3.09	-	-	11	18	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	8	2.98	-	-	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wire drawers (continuous) ---		1,097	3.59	-	-	24	53	40	82	183	351	349	15	-	-	-	-	-	-	-	-	-	-	-	-
	8	279	3.49	-	-	20	6	35	-	-	-	218	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	232	3.60	-	-	4	-	-	19	61	133	-	15	-	-	-	-	-	-	-	-	-	-	-	-
	10	578	3.64	-	-	-	44	-	63	122	-	349	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Tube Finishing</u>																									
Cut-off machine operators ---		368	3.10	-	38	19	136	42	31	97	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	158	2.84	-	26	-	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	154	3.28	-	12	14	-	38	31	56	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	49	3.37	-	-	4	4	-	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrastatic testers -----		185	3.15	-	6	9	29	82	35	14	-	-	8	-	-	-	2	-	-	-	-	-	-	-	-
	6	46	3.07	-	6	-	-	36	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	76	3.09	-	-	7	9	29	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	52	3.08	-	-	2	19	17	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipe straighteners -----		273	3.14	3	22	33	50	53	41	59	-	7	1	-	4	-	-	-	-	-	-	-	-	-	-
	4	20	2.75	-	3	12	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	43	2.87	-	4	7	19	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	25	2.68	-	15	9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	60	3.07	-	-	1	25	29	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	71	3.42	-	-	4	1	8	7	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	37	3.47	-	-	-	1	-	25	3	-	7	1	-	-	-	-	-	-	-	-	-	-	-	-
<u>Maintenance and Services</u>																									
Automotive repairmen -----		692	3.31	-	-	3	61	322	91	24	191	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	106	3.11	-	-	-	61	1	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14	519	3.35	-	-	-	-	286	41	19	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	20	3.45	-	-	-	-	11	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boilermakers -----		1,122	3.47	-	-	-	-	415	18	145	535	-	-	9	-	-	-	-	-	-	-	-	-	-	-
	15	1,113	3.46	-	-	-	-	415	18	145	535	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 2. Occupational Earnings: Straight-Time Pay—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over
Maintenance and Services—Continued																										
Bricklayers	15	1,883	\$ 3.55	-	-	-	6	336	217	645	623	12	-	9	35	-	-	-	-	-	-	-	-	-	-	-
Carpenters	13	1,257	3.27	-	-	-	1	660	163	432	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
First-power engineers	14	1,244	3.27	-	-	-	-	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	11	3.20	-	-	-	-	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	266	3.39	-	-	-	33	82	34	44	16	39	14	4	-	-	-	-	-	-	-	-	-	-	-	-
	12	37	3.05	-	-	-	33	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	46	3.25	-	-	-	-	29	-	5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14	51	3.30	-	-	-	-	29	5	13	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	59	3.56	-	-	-	-	24	-	-	4	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	26	3.47	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18	34	3.72	-	-	-	-	20	-	-	-	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Janitors	1	1,605	2.32	1470	-	129	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	580	2.36	51	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Laborers	1	1,023	2.29	1017	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	5,980	2.34	4781	839	354	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	36	2.29	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	5,163	2.32	4744	182	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	134	2.60	1	16	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	400	2.44	394	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Locomotive cranemen	8	608	3.23	-	16	202	78	106	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	15	3.04	-	4	1	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	12	2.94	-	8	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	517	3.27	-	-	185	36	98	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Locomotive engineers (general)	11	1,292	3.60	-	4	8	14	158	91	161	595	200	61	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	484	3.68	-	2	4	-	4	-	441	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	505	3.53	-	-	-	104	91	141	39	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	71	3.95	-	-	-	3	-	7	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinists	16	3,598	3.53	-	-	4	4	1498	313	1389	363	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	3,589	3.53	-	-	-	-	1498	312	1389	363	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millwrights	14	3,524	3.45	-	-	-	939	488	716	1317	13	28	23	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	3,414	3.45	-	-	-	869	484	702	1308	-	28	23	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	91	3.34	-	-	-	69	-	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	18	3.47	-	-	-	-	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millwrights helpers	6	2,314	2.89	276	210	1366	408	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	2,138	2.90	273	73	1361	408	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motor inspectors	14	2,383	3.44	-	-	2	527	331	1030	464	10	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	2,062	3.44	-	-	-	500	194	964	404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	264	3.46	-	-	-	-	132	65	38	10	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17	24	3.71	-	-	-	-	1	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipefitters	13	1,768	3.28	-	-	1	756	249	687	46	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	1,741	3.28	-	-	-	756	227	683	46	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipefitters helpers	6	868	2.74	357	128	338	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	865	2.74	354	128	338	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roll turners	15	470	3.48	-	-	-	172	28	111	92	52	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	421	3.44	-	-	-	172	23	111	87	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	43	3.85	-	-	-	-	5	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toolmakers	18	101	3.51	-	-	-	3	23	60	1	6	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-
	18	96	3.52	-	-	-	-	23	59	6	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Wiremen electricians	16	1,528	3.56	-	-	12	2	730	118	59	438	122	47	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	1,404	3.53	-	-	-	-	730	109	59	438	21	47	-	-	-	-	-	-	-	-	-	-	-	-	-
	17	101	4.06	-	-	-	-	-	-	-	-	101	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

² Tabulation limited to establishments having a common job evaluation system, the same minimum hourly rate of \$2.285 (including an 18½-cent cost-of-living allowance), and the same wage increment (7 cents) between job classes.

³ Job classes for which data are presented separately are limited to those reported by 3 or more companies and meeting other publication criteria. Estimates for the overall occupational classification includes data for all job classes reported, whether or not shown separately.

Table 3. Occupational Earnings: Straight-Time Pay Plus Sunday and Shift Premium Pay

(Number and average straight-time hourly earnings, including premium pay for Sunday and late shift work¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																							
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60	
<u>Coke Works and Byproducts</u>																											
Benzol stillmen		176	\$3.77	-	-	-	-	5	8	41	50	19	53	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	13	3.50	-	-	-	-	4	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	21	3.67	-	-	-	-	-	-	4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	17	3.67	-	-	-	-	-	5	-	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	13	3.87	-	-	-	-	-	-	-	7	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
	16	29	3.91	-	-	-	-	-	-	3	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	20	20	3.94	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Door machine operators		490	3.47	-	-	-	-	57	13	344	63	13	14	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	68	3.38	-	-	-	-	34	-	-	21	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	409	3.50	-	-	-	-	23	-	344	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heaters		364	3.97	-	-	-	-	-	-	37	58	38	184	26	21	-	-	-	-	-	-	-	-	-	-	-	
	18	247	4.02	-	-	-	-	-	-	37	-	-	184	13	13	-	-	-	-	-	-	-	-	-	-	-	
	19	29	4.15	-	-	-	-	-	-	-	8	-	-	13	8	-	-	-	-	-	-	-	-	-	-	-	
Lidmen		521	3.09	-	-	64	198	90	118	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	281	2.99	-	-	27	181	52	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	79	3.13	-	-	24	-	13	17	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	118	3.23	-	-	13	-	25	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	43	3.24	-	-	-	17	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pusher operators		396	3.55	-	-	-	-	57	-	106	207	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	148	3.40	-	-	-	-	34	-	101	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	248	3.64	-	-	-	-	23	-	5	207	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wharfmen		258	2.79	-	37	14	207	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3	235	2.80	-	25	8	202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Blast Furnaces, Docks, and Ore Handling</u>																											
Cinder snappers		522	3.26	-	-	24	8	154	292	12	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	361	3.26	-	-	12	8	137	179	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	45	3.25	-	-	4	-	-	34	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
First blowing engineers		248	3.57	-	-	-	-	33	72	9	39	74	21	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	16	3.72	-	-	-	-	4	-	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	147	3.68	-	-	-	-	-	39	9	16	62	21	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14	25	3.59	-	-	-	-	-	8	-	13	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	31	3.45	-	-	-	-	-	25	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Keepers		527	3.85	-	-	-	-	12	68	-	13	291	98	45	-	-	-	-	-	-	-	-	-	-	-	-	
	14	515	3.86	-	-	-	-	-	68	-	13	291	98	45	-	-	-	-	-	-	-	-	-	-	-	-	
Keepers helpers		964	3.33	-	4	33	189	140	91	291	216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	50	3.22	-	-	4	13	-	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	203	3.17	-	-	29	-	128	17	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	8	79	3.29	-	-	-	20	8	21	17	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	502	3.51	-	-	-	58	-	17	224	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Larrymen		607	3.49	-	-	25	42	29	16	270	157	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	74	3.26	-	-	21	-	4	-	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	67	3.32	-	-	-	20	8	10	4	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	369	3.59	-	-	-	-	17	4	174	119	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	62	3.67	-	-	-	1	-	-	35	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ore-bridge cranemen		291	3.58	-	-	-	-	25	33	128	29	64	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	249	3.61	-	-	-	-	25	7	178	13	64	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
	13	33	3.39	-	-	-	-	-	20	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14	9	3.42	-	-	-	-	-	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sinter-machine operators		160	3.43	-	-	-	19	33	16	16	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	64	3.48	-	-	-	7	8	4	8	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11	23	3.51	-	-	-	-	4	4	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12	45	3.49	-	-	-	-	17	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stock unloaders		599	2.97	-	23	36	288	175	69	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3	25	2.80	-	8	3	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	475	2.97	-	15	-	269	147	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	58	2.98	-	-	14	19	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 3. Occupational Earnings: Straight-Time Pay Plus Sunday and Shift Premium Pay—Continued

(Number and average straight-time hourly earnings, including premium pay for Sunday and late shift work¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																									
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over			
				\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60	over			
Open Hearth																													
Charging-machine operators -----	16	655	\$4.59	-	-	-	-	-	8	-	8	-	17	264	64	194	51	17	-	-	-	-	-	-	-	-	32	-	-
		612	4.57	-	-	-	-	-	8	-	8	-	17	264	64	194	8	17	-	-	-	-	-	-	-	-	32	-	-
First helpers -----	23	1,645	5.52	-	-	-	-	-	-	-	-	-	1	42	-	12	-	63	273	205	578	185	55	60	83	84	4	-	-
	24	51	4.26	-	-	-	-	-	-	-	-	-	-	35	-	12	-	-	-	4	-	-	-	-	-	-	-	-	-
	23	1,144	5.45	-	-	-	-	-	-	-	-	-	-	3	-	-	-	34	273	131	523	103	35	-	42	-	-	-	
	25	94	5.69	-	-	-	-	-	-	-	-	-	1	-	-	-	-	8	-	-	-	61	20	-	-	-	-	-	4
	27	238	5.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	51	-	-	-	41	84	-	-	-
Ladle cranemen -----	13	1,064	4.45	-	-	-	-	-	17	4	41	40	131	244	288	219	34	-	-	46	-	-	-	-	-	-	-	-	-
	16	321	4.36	-	-	-	-	-	-	-	-	35	81	-	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raw materials stockers -----	2	584	4.47	-	-	-	-	-	17	-	-	-	-	33	244	54	219	17	-	-	-	-	-	-	-	-	-	-	-
	3	867	3.24	-	32	-	95	346	144	179	25	29	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	207	3.30	-	-	-	29	38	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	266	3.01	-	29	-	55	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	270	3.25	-	3	-	11	84	138	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Second helpers -----	13	1,640	4.52	-	-	-	-	-	40	-	18	-	34	561	174	692	76	45	-	-	-	-	-	-	-	-	-	-	-
	14	55	3.74	-	-	-	-	-	38	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-
	14	146	4.46	-	-	-	-	-	-	-	18	-	-	-	-	128	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	1,439	4.56	-	-	-	-	2	-	-	-	34	561	46	675	76	45	-	-	-	-	-	-	-	-	-	-	-	-
Second steel pourers -----	11	347	4.24	-	-	-	7	-	-	4	-	71	88	65	8	104	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	26	4.27	-	-	-	-	-	-	-	-	4	-	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stockyard cranemen -----	6	34	4.34	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	691	3.68	-	-	10	-	4	93	188	47	257	31	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	73	4.05	-	-	-	-	11	-	-	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	506	3.64	-	-	-	4	34	188	47	233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	98	3.58	-	-	8	-	48	-	-	11	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Furnaces																													
First helpers -----	23	177	4.99	-	-	-	-	-	-	3	-	-	-	2	-	55	18	74	13	-	-	4	8	-	-	-	-	-	-
	24	31	5.29	-	-	-	-	-	-	-	-	-	-	-	-	8	3	-	12	-	-	-	8	-	-	-	-	-	-
	24	51	5.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-
Mouldmen -----	6	139	3.49	-	-	-	27	27	32	8	13	4	-	16	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	47	3.17	-	-	-	23	-	15	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stopper makers -----	5	24	4.13	-	-	-	-	-	-	8	4	-	4	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	18	3.06	-	-	9	-	1	4	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	13	2.90	-	-	9	-	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blooming, Slabbing, and Billet Mills																													
Blooming- and slabbing- mill rollers -----	23	174	5.75	-	-	-	-	-	-	-	-	-	2	7	-	4	6	10	4	32	16	27	20	39	-	7	-	-	-
	27	10	5.37	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	4	3	-	-	-	-	-	-	-
	28	87	5.80	-	-	-	-	-	-	-	-	-	-	4	-	-	3	10	-	18	4	-	17	30	-	1	-	-	-
Bottom makers -----	8	49	5.99	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	-	24	3	9	-	6	-	-	-
	9	257	3.71	-	-	-	4	17	2	82	50	52	11	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	60	3.60	-	-	-	2	-	2	33	20	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	48	3.72	-	-	-	2	-	-	30	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guide setters -----	11	121	3.77	-	-	-	-	2	-	49	-	44	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Levermen -----	13	48	3.82	-	-	-	3	-	-	10	23	2	-	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11	62	4.11	-	-	3	8	-	-	13	6	1	6	10	-	11	-	4	-	-	-	-	-	-	-	-	-	-	-
	13	7	3.66	-	-	-	-	2	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manipulators -----	13	20	4.61	-	-	-	-	-	-	-	-	-	6	10	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
	14	197	4.45	-	-	-	-	4	-	2	7	17	79	42	14	5	13	12	-	2	-	-	-	-	-	-	-	-	-
	15	86	4.32	-	-	-	-	4	-	-	7	37	34	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	63	4.52	-	-	-	-	-	-	-	-	17	18	-	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-
	15	32	4.45	-	-	-	-	-	-	-	-	-	20	8	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 3. Occupational Earnings: Straight-Time Pay Plus Sunday and Shift Premium Pay—Continued

(Number and average straight-time hourly earnings, including premium pay for Sunday and late shift work¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under \$2.40	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over
<u>Blooming, Slabbing, and Billet Mills—Continued</u>																										
Soaking-pit cranimen -----		676	\$4.33	-	-	1	-	-	13	5	-	123	12	210	208	37	50	17	-	-	-	-	-	-	-	
	13	60	4.09	-	-	-	-	-	-	-	-	32	8	-	20	-	-	-	-	-	-	-	-	-	-	
	15	374	4.42	-	-	-	-	-	13	-	-	91	4	-	179	37	33	17	-	-	-	-	-	-	-	
	16	9	4.53	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	
Soaking-pit heaters -----		439	4.89	-	-	-	-	-	-	5	4	4	8	44	40	106	56	1	128	30	-	-	13	-	-	
	18	201	4.67	-	-	-	-	-	-	5	-	-	-	44	12	102	13	1	11	13	-	-	-	-	-	
	19	149	5.22	-	-	-	-	-	-	-	-	-	-	-	4	27	-	114	-	-	-	4	-	-	-	
	20	32	5.01	-	-	-	-	-	-	-	4	4	-	-	-	-	4	-	3	17	-	-	-	-	-	
<u>Bloom, Slab, and Billet Conditioning and Shipping</u>																										
Hookers -----		895	3.07	-	151	145	93	64	358	52	15	-	17	-	-	-	-	-	-	-	-	-	-	-	-	
	3	36	2.65	-	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	213	2.85	-	131	-	-	31	34	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	
	5	601	3.16	-	7	113	85	33	296	52	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Scarfers -----		1,344	3.69	-	-	22	55	60	193	408	182	-	291	-	103	10	-	-	17	-	-	-	-	-	3	
	7	1,023	3.66	-	-	22	-	54	105	384	182	-	256	-	-	-	-	-	17	-	-	-	-	-	3	
	8	242	3.94	-	-	-	1	1	88	14	-	-	35	-	103	-	-	-	-	-	-	-	-	-	-	
	9	20	4.08	-	-	-	-	-	-	10	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	
<u>Continuous Hot-Strip Mills</u>																										
Assorters -----		870	2.66	-	501	261	72	3	15	-	8	-	-	-	-	-	-	-	-	-	-	-	10	-	-	
	5	396	2.56	-	388	1	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	331	2.66	-	68	252	-	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	18	4.24	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	
	8	80	2.89	-	-	-	72	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Banders -----		247	3.33	-	2	10	41	103	5	20	42	-	15	-	-	-	-	9	-	-	-	-	-	-	-	
	3	78	3.51	-	-	5	20	-	-	-	42	-	11	-	-	-	-	-	-	-	-	-	-	-	-	
	4	48	3.11	-	-	3	-	40	5	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	
	5	84	3.34	-	2	-	6	63	-	-	-	-	4	-	-	-	-	9	-	-	-	-	-	-	-	
Coilers -----		132	4.31	-	-	-	-	-	3	17	11	4	16	24	9	26	11	8	-	-	-	-	3	-	-	
	10	14	4.42	-	-	-	-	-	-	-	5	-	-	2	-	7	-	-	-	-	-	-	-	-	-	
	11	64	4.18	-	-	-	-	-	-	15	3	4	16	-	22	4	-	-	-	-	-	-	-	-	-	
	12	33	4.55	-	-	-	-	3	2	-	-	-	10	7	-	8	-	-	-	-	-	3	-	-	-	
Coil feeders -----		589	3.64	-	1	9	17	6	208	38	107	95	56	19	21	4	4	-	-	-	-	-	-	-	-	
	5	182	3.36	-	1	-	10	156	-	-	-	11	-	4	-	-	-	-	-	-	-	-	-	-	-	
	6	140	3.71	-	-	8	1	-	-	38	37	42	-	10	-	4	-	-	-	-	-	-	-	-	-	
	7	72	4.04	-	-	-	-	-	-	-	37	22	2	11	-	-	-	-	-	-	-	-	-	-	-	
	8	94	3.70	-	-	1	-	-	-	-	70	16	-	7	-	-	-	-	-	-	-	-	-	-	-	
	9	14	3.93	-	-	-	3	1	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	
Cold-strip slitters -----		282	3.98	-	-	3	12	19	14	25	31	56	6	43	45	-	-	-	24	4	-	-	-	-	-	
	9	7	3.46	-	-	-	3	-	-	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
	10	47	4.42	-	-	-	1	-	-	-	-	11	3	4	24	-	-	-	4	-	-	-	-	-	-	
	11	98	3.81	-	-	-	7	-	-	25	27	-	39	-	-	-	-	-	-	-	-	-	-	-	-	
	12	103	3.88	-	-	-	-	17	10	-	3	45	-	21	-	-	-	7	-	-	-	-	-	-	-	
Heaters -----		111	5.36	-	-	-	-	-	-	-	1	4	3	3	7	14	9	13	12	-	11	8	14	4	8	
	20	13	4.58	-	-	-	-	-	-	-	-	4	-	3	-	-	-	6	-	-	-	-	-	-	-	
	21	27	5.54	-	-	-	-	-	-	-	1	-	-	-	7	4	-	-	7	-	-	4	-	-	4	
	22	18	5.14	-	-	-	-	-	-	-	-	-	3	5	-	3	-	3	-	-	-	4	-	-	-	
	23	29	5.73	-	-	-	-	-	-	-	-	-	-	-	4	-	-	9	-	4	8	-	-	-	4	
Loaders -----		387	3.81	-	5	11	38	-	40	71	47	69	12	11	26	7	37	10	3	-	-	-	-	-	-	
	6	55	3.50	-	-	4	21	-	3	-	20	-	-	-	-	7	-	-	-	-	-	-	-	-	-	
	7	55	4.64	-	-	-	-	-	-	4	-	-	-	11	-	-	37	-	-	-	-	-	-	-	-	
	8	87	3.54	-	-	7	-	-	-	67	7	-	6	-	-	-	-	-	-	-	-	-	-	-	-	
	9	39	4.05	-	-	-	-	-	6	-	17	-	6	-	-	-	-	10	-	-	-	-	-	-	-	
	10	98	3.68	-	-	-	17	-	9	-	23	49	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 3. Occupational Earnings: Straight-Time Pay Plus Sunday and Shift Premium Pay—Continued

(Number and average straight-time hourly earnings, including premium pay for Sunday and late shift work¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60 and over
				\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60	
<u>Continuous Hot-Strip Mills—Continued</u>																										
Roughers -----		97	\$4.96	-	-	-	-	-	4	4	3	7	7	5	10	-	8	6	9	19	-	4	-	4	4	3
	15	33	5.10	-	-	-	-	-	-	-	-	-	4	5	-	4	3	2	11	-	4	-	-	-	-	-
	16	11	5.20	-	-	-	-	-	-	-	-	-	-	4	-	-	3	-	-	-	-	-	-	4	-	-
Strip finishers -----		80	4.94	-	-	-	-	-	-	-	-	10	-	3	15	8	4	15	-	11	11	-	-	-	3	-
	14	15	4.19	-	-	-	-	-	-	-	-	-	10	-	2	-	-	3	-	-	-	-	-	-	-	-
	15	33	4.97	-	-	-	-	-	-	-	-	-	-	-	11	8	4	-	-	7	-	-	-	-	3	-
	16	13	4.97	-	-	-	-	-	-	-	-	-	-	-	4	-	-	5	-	4	-	-	-	-	-	-
Strip-mill cranimen -----		249	3.69	-	-	-	8	20	37	75	9	32	61	-	-	-	-	-	-	7	-	-	-	-	-	-
	8	30	3.29	-	-	-	8	12	2	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9	195	3.73	-	-	-	8	18	75	9	24	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tandem-mill rollers -----		443	5.70	-	-	-	-	-	-	1	17	-	13	4	25	20	20	35	30	15	19	95	30	16	1	102
	15	19	4.46	-	-	-	-	-	-	1	7	-	-	-	7	-	-	-	4	-	-	-	-	-	-	-
	16	44	5.15	-	-	-	-	-	-	-	-	-	3	9	-	11	-	7	-	4	10	-	-	-	-	-
	17	82	5.80	-	-	-	-	-	-	-	-	3	-	-	-	-	14	-	-	-	44	17	-	-	4	-
	18	57	5.43	-	-	-	-	-	-	-	-	7	-	4	-	7	1	-	-	3	35	-	-	-	-	-
	19	24	5.05	-	-	-	-	-	-	-	-	-	-	-	-	2	20	2	-	-	-	-	-	-	-	-
	20	19	5.10	-	-	-	-	-	-	-	-	-	-	-	11	2	-	-	-	-	6	-	-	-	-	-
	21	40	6.12	-	-	-	-	-	-	-	-	-	-	10	-	-	-	4	-	-	-	-	4	-	22	-
	22	6	5.29	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-	-	-	-	-	1	-	-
	23	22	5.77	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	11	-	-	-	4	-	4	-
	25	23	6.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-	18	-
	26	45	6.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	12	-	6	6	-	11	-
	27	11	6.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	7	-
	28	36	6.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
Tractor operators -----		905	3.24	-	-	86	54	508	-	81	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	44	3.00	-	-	23	6	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	817	3.28	-	-	25	46	508	-	66	172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Plates</u>																										
Burning-machine operators -----		133	3.61	-	1	3	18	-	21	34	7	3	46	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	59	3.86	-	-	2	11	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	8	3.28	-	-	-	5	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Layerouts -----		133	3.62	-	-	11	8	32	19	4	9	-	26	-	24	-	-	-	-	-	-	-	-	-	-	-
	8	10	3.71	-	-	-	1	-	-	4	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11	25	3.90	-	-	-	4	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	17	3.42	-	-	-	-	8	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Bars</u>																										
Assistant bar-mill rollers ---		179	4.46	-	-	-	-	-	1	1	6	2	60	14	60	-	19	-	4	8	4	-	-	-	-	-
	17	12	4.58	-	-	-	-	-	1	-	-	-	4	-	-	-	7	-	-	-	-	-	-	-	-	-
	18	33	4.52	-	-	-	-	-	-	-	-	9	4	8	-	12	-	-	-	-	-	-	-	-	-	-
	19	95	4.47	-	-	-	-	-	-	-	-	35	6	45	-	-	-	-	-	5	4	-	-	-	-	-
	20	15	4.76	-	-	-	-	-	-	-	-	4	4	-	-	-	-	4	3	-	-	-	-	-	-	-
Bar catchers -----		314	3.74	-	-	-	-	-	10	131	-	95	66	12	-	-	-	-	-	-	-	-	-	-	-	-
	192	3.72	-	-	-	-	-	-	-	114	-	66	12	-	-	-	-	-	-	-	-	-	-	-	-	-
Bar-mill roughers -----		282	3.93	-	-	-	-	7	1	4	63	140	22	6	4	28	-	6	1	-	-	-	-	-	-	-
	12	15	3.34	-	-	-	-	7	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	125	3.86	-	-	-	-	-	-	-	9	107	-	-	-	9	-	-	-	-	-	-	-	-	-	-
	14	76	3.89	-	-	-	-	-	-	44	19	-	6	4	-	-	-	3	-	-	-	-	-	-	-	-
	15	42	4.36	-	-	-	-	-	1	-	-	22	-	-	16	-	3	-	-	-	-	-	-	-	-	-
Chargers -----		234	3.22	-	-	-	99	82	6	22	4	-	10	-	11	-	-	-	-	-	-	-	-	-	-	-
	5	31	3.01	-	-	-	29	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	175	3.17	-	-	-	70	74	3	14	4	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	12	3.32	-	-	-	-	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 3. Occupational Earnings: Straight-Time Pay Plus Sunday and Shift Premium Pay—Continued

(Number and average straight-time hourly earnings, including premium pay for Sunday and late shift work¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																						
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60
				\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60	and over
Bars—Continued																										
Coilers -----		65	\$3.45	-	-	7	5	11	14	-	17	4	1	6	-	-	-	-	-	-	-	-	-	-	-	
	6	10	2.88	-	-	3	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	8	25	3.49	-	-	1	-	8	10	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-		
Rod finishers -----		81	4.38	-	-	-	-	4	-	-	-	22	4	6	23	-	16	-	6	-	-	-	-	-		
	13	12	4.70	-	-	-	-	-	-	-	-	-	-	2	7	-	-	-	-	-	-	-	-	-		
	16	41	4.21	-	-	-	-	-	-	-	-	20	4	-	16	-	1	-	3	-	-	-	-	-		
Shearmen -----		183	3.47	-	19	17	14	16	2	48	9	21	3	17	15	-	2	-	-	-	-	-	-	-		
	6	29	2.76	-	19	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	7	6	2.79	-	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	9	12	3.15	-	-	-	7	-	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
	10	19	3.78	-	-	-	2	-	-	11	-	-	-	6	-	-	-	-	-	-	-	-	-	-		
	11	60	3.74	-	-	-	-	-	-	34	9	-	-	8	9	-	-	-	-	-	-	-	-	-		
	12	31	4.07	-	-	-	-	-	-	3	-	17	-	9	-	-	2	-	-	-	-	-	-	-		
Wire																										
Bundlers -----		192	2.97	-	28	53	38	43	9	-	-	7	14	-	-	-	-	-	-	-	-	-	-	-		
	5	147	2.97	-	27	29	27	43	9	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-		
Nail-machine operators -----		153	3.78	-	-	-	4	-	9	30	-	82	28	-	-	-	-	-	-	-	-	-	-	-		
	11	151	3.79	-	-	-	4	-	9	28	-	82	28	-	-	-	-	-	-	-	-	-	-	-		
Straighten and cut operators -----		89	3.21	-	-	8	30	6	4	29	9	-	-	3	-	-	-	-	-	-	-	-	-	-		
	7	58	3.15	-	-	3	26	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	9	8	3.11	-	-	1	3	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Wire drawers (continuous) -----		1,097	3.65	-	-	20	54	3	103	19	534	349	15	-	-	-	-	-	-	-	-	-	-	-		
	8	279	3.53	-	-	20	6	-	35	-	218	-	-	-	-	-	-	-	-	-	-	-	-	-		
	9	232	3.67	-	-	-	4	-	-	19	194	-	15	-	-	-	-	-	-	-	-	-	-	-		
	10	578	3.70	-	-	-	44	-	63	-	122	349	-	-	-	-	-	-	-	-	-	-	-	-		
Tube Finishing																										
Cut-off machine operators ---		368	3.18	-	15	32	72	74	50	64	61	-	-	-	-	-	-	-	-	-	-	-	-	-		
	5	158	2.94	-	15	11	58	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	6	154	3.35	-	-	16	10	-	46	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-		
	7	49	3.40	-	-	4	4	-	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hydrastatic testers -----		185	3.22	-	-	15	29	82	35	14	-	-	-	8	-	-	-	-	-	2	-	-	-	-		
	6	46	3.13	-	-	6	-	36	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	7	76	3.14	-	-	7	9	29	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	8	52	3.14	-	-	2	19	17	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pipe straighteners -----		273	3.22	-	10	40	56	28	42	62	23	-	8	-	4	-	-	-	-	-	-	-	-	-		
	4	20	2.84	-	3	12	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	5	43	2.92	-	4	7	19	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	6	25	2.77	-	-	20	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	8	60	3.14	-	-	1	25	5	25	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
	9	71	3.50	-	-	-	5	8	-	39	19	-	-	-	-	-	-	-	-	-	-	-	-	-		
	10	37	3.54	-	-	-	1	-	6	22	-	-	8	-	-	-	-	-	-	-	-	-	-	-		
Maintenance and Services																										
Automotive repairmen -----		692	3.41	-	-	-	3	106	303	70	192	18	-	-	-	-	-	-	-	-	-	-	-	-		
	12	106	3.21	-	-	-	-	62	20	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	14	519	3.45	-	-	-	-	20	266	41	192	-	-	-	-	-	-	-	-	-	-	-	-	-		
	15	20	3.58	-	-	-	-	-	11	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-		
Boilermakers -----		1,122	3.53	-	-	-	-	3	430	145	535	-	-	9	-	-	-	-	-	-	-	-	-	-		
	15	1,113	3.52	-	-	-	-	3	430	145	535	-	-	-	-	-	-	-	-	-	-	-	-	-		

See footnotes at end of table.

Table 3. Occupational Earnings: Straight-Time Pay Plus Sunday and Shift Premium Pay—Continued

(Number and average straight-time hourly earnings, including premium pay for Sunday and late shift work¹ of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,² March 1962)

Department and occupation	Job class ³	Number of workers	Average hourly earnings ¹	Number of workers in companies with average hourly earnings ¹ of—																								
				\$2.20 and under	\$2.40	\$2.60	\$2.80	\$3.00	\$3.20	\$3.40	\$3.60	\$3.80	\$4.00	\$4.20	\$4.40	\$4.60	\$4.80	\$5.00	\$5.20	\$5.40	\$5.60	\$5.80	\$6.00	\$6.20	\$6.40	\$6.60		
				and under																							and over	
Maintenance and Services—Continued																												
Bricklayers	15	1,883	\$3.68	-	-	-	1	15	326	307	555	623	8	4	9	35	-	-	-	-	-	-	-	-	-	-	-	-
Carpenters	13	1,257	3.33	-	-	-	1	486	209	225	335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
First-power engineers	14	1,244	3.33	-	-	-	-	478	206	225	335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		11	3.20	-	-	-	-	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		266	3.57	-	-	-	-	37	78	47	31	16	39	14	4	-	-	-	-	-	-	-	-	-	-	-	-	
		37	3.22	-	-	-	-	33	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		46	3.42	-	-	-	-	4	25	-	5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		51	3.48	-	-	-	-	29	5	13	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		59	3.75	-	-	-	-	24	-	-	4	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		26	3.66	-	-	-	-	-	20	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		34	3.84	-	-	-	-	-	18	-	-	4	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Janitors	1	1,605	2.39	1441	29	129	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		580	2.42	447	4	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	1,023	2.37	993	24	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Laborers	1	5,980	2.43	4482	855	400	237	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		36	2.32	35	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2	5,163	2.40	4446	480	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		3	134	2.72	1	16	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		4	400	2.54	-	358	36	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Locomotive cranimen	8	608	3.35	-	-	14	16	224	127	51	172	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		15	3.09	-	-	4	1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9	12	2.99	-	6	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		10	12	2.96	-	-	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		12	517	3.38	-	-	7	214	77	51	164	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Locomotive engineers (general)	11	1,292	3.78	-	4	8	1	60	111	91	161	595	200	61	-	-	-	-	-	-	-	-	-	-	-	-	-	
		484	3.86	-	-	-	1	1	4	-	-	441	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		13	505	3.71	-	-	-	104	91	141	39	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		71	4.13	-	-	-	-	3	-	7	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Machinists	16	3,598	3.63	-	-	-	-	8	1498	313	-	1752	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	
		3,589	3.63	-	-	-	-	-	1498	312	-	1752	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	
Millwrights	14	3,524	3.58	-	-	-	-	12	931	484	1469	577	28	-	23	-	-	-	-	-	-	-	-	-	-	-	-	
		3,414	3.58	-	-	-	-	11	858	484	1446	564	28	-	23	-	-	-	-	-	-	-	-	-	-	-	-	
		91	3.47	-	-	-	-	-	69	-	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		18	3.62	-	-	-	-	-	4	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Millwrights helpers	6	2,314	3.01	-	3	422	500	1221	114	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2,138	3.02	-	-	285	495	1221	114	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Motor inspectors	14	2,383	3.60	-	-	-	-	5	533	381	971	474	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2,062	3.60	-	-	-	-	3	497	253	905	404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		264	3.62	-	-	-	-	-	5	127	65	48	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		24	3.88	-	-	-	-	-	-	1	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pipefitters	13	1,768	3.36	-	-	-	1	756	220	268	494	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		1,741	3.36	-	-	-	-	756	198	268	490	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pipefitters helpers	6	868	2.81	-	4	481	218	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		865	2.81	-	1	481	218	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roll turners	15	470	3.54	-	-	-	-	3	192	37	144	65	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		421	3.49	-	-	-	-	3	192	32	144	22	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		43	3.93	-	-	-	-	-	-	5	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toolmakers	18	101	3.52	-	-	-	-	3	83	1	6	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
		96	3.53	-	-	-	-	-	82	-	6	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wiremen electricians	16	1,528	3.62	-	-	-	12	732	118	59	428	31	101	47	-	-	-	-	-	-	-	-	-	-	-	-	-	
		1,404	3.58	-	-	-	-	730	109	59	428	31	101	47	-	-	-	-	-	-	-	-	-	-	-	-	-	
		101	4.22	-	-	-	-	-	-	-	-	-	101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

¹ Includes premium pay for work on Sundays and late shifts, but excludes premium pay for overtime and holidays.

² Tabulation limited to establishments having a common job evaluation system, the same minimum hourly rate of \$2.285 (including an 18½-cent cost-of-living allowance), and the same wage increment (7 cents) between job classes.

³ Job classes for which data are presented separately are limited to those reported by 3 or more companies and meeting other publication criteria. Estimates for the overall occupational classification includes data for all job classes reported, whether or not shown separately.

Table 4. Occupational Averages: By Method of Wage Payment

(Number and average straight-time hourly earnings of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,¹ by method of wage payment and type of earnings, March 1962)

Department and occupation	Job class ²	Time-rated workers			Incentive workers			Department and occupation	Job class ²	Time-rated workers			Incentive workers		
		Number	Average hourly earnings		Number	Average hourly earnings				Number	Average hourly earnings		Number	Average hourly earnings	
			Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴		Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴				Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴		Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴
<u>Coke Works and Byproducts</u>							<u>Open Hearth—Continued</u>								
Benzol stillmen -----	12	\$ 3.22	\$ 3.38	164	\$ 3.61	\$ 3.79	First helpers -----	23	4	-	-	1,641	\$5.27	\$ 5.52	
10	-	-	-	14	3.31	3.50	24	-	-	-	-	51	4.11	4.26	
11	-	-	-	13	3.32	3.50	25	-	-	-	-	1,141	5.21	5.46	
12	-	-	-	21	3.47	3.67	27	-	-	-	-	93	5.44	5.70	
15	-	-	-	13	3.70	3.87	Ladle cranemen -----	17	17	-	-	238	5.67	5.93	
18	-	-	-	16	3.84	4.03	13	-	-	-	-	1,047	4.25	4.47	
Door machine operators -----	53	2.87	3.04	437	3.34	3.53	16	-	-	-	-	321	4.15	4.36	
10	-	-	-	38	3.48	3.68	Raw materials stockers -----	32	32	-	-	567	4.29	4.51	
11	-	-	-	386	3.34	3.52	2	-	-	-	-	835	3.09	3.26	
Heaters -----	45	3.42	3.61	319	3.83	4.02	3	-	-	-	-	207	3.11	3.30	
18	37	3.41	3.60	210	3.90	4.09	4	-	-	-	-	237	2.90	3.07	
Lidmen -----	68	2.62	2.78	453	2.96	3.13	Second helpers -----	2	2	-	-	1,638	4.31	4.52	
5	-	-	-	267	2.84	3.01	13	-	-	-	-	55	3.59	3.74	
6	-	-	-	55	3.13	3.30	14	-	-	-	-	146	4.24	4.46	
Pusher operators -----	53	2.95	3.12	343	3.43	3.61	15	-	-	-	-	1,437	4.34	4.56	
11	-	-	-	118	3.30	3.48	Second steel pourers -----	7	7	-	-	340	4.05	4.27	
12	-	-	-	225	3.50	3.69	11	-	-	-	-	26	4.05	4.27	
Wharfmen -----	39	2.42	2.57	219	2.67	2.83	15	-	-	-	-	34	4.12	4.34	
3	-	-	-	214	2.67	2.83	Stockyard cranemen -----	9	9	-	-	682	3.50	3.69	
<u>Blast Furnaces, Docks, and Ore Handling</u>							<u>Electric Furnaces</u>								
Cinder snappers -----	24	2.55	2.71	498	3.11	3.28	First helpers -----	3	-	-	-	174	4.81	5.01	
6	-	-	-	349	3.11	3.28	23	-	-	-	-	31	5.12	5.29	
First blowing engineers -----	110	3.05	3.23	138	3.66	3.84	24	-	-	-	-	51	4.88	5.12	
13	44	3.05	3.25	103	3.67	3.86	Mouldmen -----	7	7	-	-	132	3.37	3.52	
14	-	-	-	17	3.56	3.72	6	-	-	-	-	47	3.04	3.17	
15	25	3.20	3.38	-	-	-	10	-	-	-	-	24	3.96	4.13	
Keepers -----	80	3.10	3.28	447	3.75	3.95	Stopper makers -----	4	4	\$ 2.85	\$ 2.98	14	3.01	3.08	
Keepers helpers -----	119	2.71	2.88	845	3.22	3.39	5	-	-	-	-	11	2.85	2.94	
6	-	-	-	46	3.08	3.26	<u>Blooming, Slabbing and Billet Mills</u>								
7	-	-	-	174	3.06	3.23	Blooming- and slabbing- mill rollers -----	4	-	-	-	170	5.56	5.78	
8	20	2.70	2.87	59	3.25	3.43	23	-	-	-	-	10	5.20	5.37	
9	-	-	-	444	3.40	3.58	27	-	-	-	-	83	5.63	5.88	
Larrymen -----	63	2.77	2.93	544	3.38	3.56	28	-	-	-	-	49	5.78	5.99	
7	-	-	-	74	3.09	3.26	Bottom makers -----	6	6	2.77	2.92	251	3.55	3.73	
9	20	2.79	2.96	47	3.29	3.47	8	-	-	-	-	58	3.45	3.63	
10	-	-	-	352	3.43	3.61	9	-	-	-	-	46	3.56	3.75	
11	-	-	-	61	3.49	3.68	10	-	-	-	-	119	3.60	3.78	
Ore-bridge cranemen -----	41	3.04	3.21	250	3.46	3.64	Guide setters -----	-	-	-	-	48	3.67	3.82	
12	-	-	-	234	3.46	3.64	Levermen -----	-	-	-	-	62	3.98	4.11	
Sinter-machine operators -----	56	2.91	3.08	104	3.43	3.62	11	-	-	-	-	7	3.51	3.66	
10	15	2.85	3.00	49	3.44	3.63	13	-	-	-	-	20	4.50	4.61	
11	-	-	-	19	3.43	3.60	Manipulators -----	4	-	-	-	193	4.28	4.47	
Stock unloaders -----	43	2.46	2.59	556	2.85	3.00	13	-	-	-	-	82	4.19	4.37	
4	-	-	-	460	2.83	2.99	14	-	-	-	-	63	4.32	4.52	
5	-	-	-	48	2.91	3.06	15	-	-	-	-	32	4.28	4.45	
<u>Open Hearth</u>							<u>Open Hearth</u>								
Charging-machine operators -----	8	-	-	647	4.38	4.60	13	-	-	-	-	82	4.19	4.37	
16	-	-	-	604	4.36	4.58	14	-	-	-	-	63	4.32	4.52	

Footnotes at end of table.

Table 4. Occupational Averages: By Method of Wage Payment—Continued

(Number and average straight-time hourly earnings of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,¹ by method of wage payment and type of earnings, March 1962)

Department and occupation	Job class ²	Time-rated workers			Incentive workers			Department and occupation	Job class ²	Time-rated workers			Incentive workers		
		Number	Average hourly earnings		Number	Average hourly earnings				Number	Average hourly earnings		Number	Average hourly earnings	
			Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴		Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴				Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴		Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴
<u>Bloom, Slabbing, and Billet Mills—Continued</u>							<u>Continuous Hot-Strip Mills—Continued</u>								
Soaking-pit cranimen -----	13	14	-	-	662	\$4.15	\$4.36	Roughers -----	15	-	-	-	97	\$4.80	\$4.96
	15	-	-	-	60	3.89	4.09		16	-	-	-	33	4.90	5.10
Soaking-pit heaters -----	18	9	-	-	361	4.25	4.45	Strip finishers -----	14	-	-	-	11	5.16	5.27
	19	-	-	-	430	4.69	4.92		15	-	-	-	80	4.78	4.94
	20	-	-	-	196	4.46	4.69	Strip-mill cranimen -----	16	4	-	-	15	4.06	4.19
					149	4.99	5.22		8	-	-	-	33	4.84	4.97
					28	4.96	5.19	Tandem-mill rollers -----	9	-	-	-	13	4.84	4.97
<u>Bloom, Slab, and Billet Conditioning and Shipping</u>									15	-	-	-	245	3.53	3.71
Hookers -----	4	214	\$2.44	\$2.56	681	3.09	3.23		16	-	-	-	26	3.16	3.35
	5	131	2.42	2.54	82	3.21	3.35		17	-	-	-	195	3.54	3.73
Scarfers -----	7	71	2.50	2.62	530	3.09	3.24		18	-	-	-	44	5.06	5.15
	8	40	2.75	2.88	1,304	3.56	3.71		19	-	-	-	82	5.63	5.80
	9	-	-	-	1,001	3.53	3.68		20	-	-	-	57	5.32	5.43
					241	3.78	3.94		21	-	-	-	24	4.93	5.05
					20	3.95	4.08		22	-	-	-	19	4.99	5.10
<u>Continuous Hot-Strip Mills</u>									23	-	-	-	40	5.99	6.12
Assorters -----	5	834	2.54	2.60	36	3.89	3.99		24	-	-	-	6	5.23	5.29
	6	389	2.50	2.54	-	-	-		25	-	-	-	22	5.57	5.77
Banders -----	3	4	-	-	243	3.23	3.34		26	-	-	-	23	6.52	6.70
	4	-	-	-	78	3.37	3.51		27	-	-	-	45	5.89	6.04
	5	-	-	-	48	3.01	3.11	Tractor operators -----	28	-	-	-	11	6.38	6.59
Coilers -----	10	-	-	-	132	4.18	4.31		8	112	\$2.64	\$2.76	793	6.67	6.81
	11	-	-	-	82	3.28	3.36		51	51	2.70	2.83	766	3.20	3.31
	12	-	-	-	48	3.01	3.11	<u>Plates</u>							
Coil feeders -----	5	-	-	-	82	3.28	3.36	Burning-machine operators--	21	21	2.74	2.83	112	3.65	3.75
	6	-	-	-	132	4.18	4.31		13	13	2.70	2.83	-	-	-
	7	-	-	-	48	3.01	3.11	Layerouts -----	8	21	2.75	2.80	112	3.66	3.77
Cold-strip slitters -----	10	-	-	-	14	4.35	4.42		8	-	-	-	10	3.58	3.71
	11	-	-	-	64	4.03	4.18	<u>Bars</u>							
	12	-	-	-	33	4.46	4.55	Assistant bar-mill rollers ---	1	1	-	-	178	4.35	4.46
Heaters -----	20	1	-	-	576	3.53	3.66		18	-	-	-	33	4.43	4.52
	21	-	-	-	181	3.23	3.37		19	-	-	-	95	4.36	4.47
	22	-	-	-	132	3.64	3.77	Bar catchers -----	20	-	-	-	15	4.57	4.76
	23	-	-	-	72	3.93	4.04		12	-	-	-	314	3.63	3.74
Loaders -----	6	33	2.72	2.80	257	3.96	4.08	Bar-mill roughers -----	8	8	-	-	192	3.60	3.72
	7	-	-	-	46	4.34	4.46		12	-	-	-	274	3.85	3.95
	8	-	-	-	110	5.19	5.38	Chargers -----	5	5	-	-	8	3.50	3.63
	9	-	-	-	13	4.43	4.58		6	-	-	-	125	3.78	3.86
	10	-	-	-	26	5.44	5.61	Coilers -----	7	-	-	-	76	3.77	3.89
					18	4.97	5.14		8	-	-	-	41	4.29	4.39
					29	5.51	5.73		6	-	-	-	234	3.13	3.22
					51	3.80	3.91		7	-	-	-	31	2.96	3.01
					55	3.49	3.57		8	-	-	-	175	3.07	3.17
					80	4.53	4.64						12	3.25	3.32
					50	3.50	3.60						65	3.38	3.45
					39	3.95	4.05						10	2.83	2.88
					81	3.70	3.83						25	3.43	3.49

See footnotes at end of table.

Table 4. Occupational Averages: By Method of Wage Payment—Continued

(Number and average straight-time hourly earnings of workers in selected occupations and job classes in basic iron and steel establishments having a common job evaluation system,¹ by method of wage payment and type of earnings, March 1962)

Department and occupation	Job class ²	Time-rated workers			Incentive workers			Department and occupation	Job class ²	Time-rated workers			Incentive workers			
		Number	Average hourly earnings		Number	Average hourly earnings				Number	Average hourly earnings		Number	Average hourly earnings		
			Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴		Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴				Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴		Straight-time ³	Straight-time plus shift and Sunday premium pay ⁴	
Bars—Continued							Maintenance and Services—Continued									
Rod finishers -----	13	4	-	-	77	\$4.38	\$4.45	Bricklayers -----	15	337	\$3.19	\$3.29	1,546	\$3.63	\$3.76	
	16	-	-	-	12	4.57	4.70			335	3.20	3.29	1,537	3.63	3.76	
					41	4.15	4.21	Carpenters -----	13	487	3.06	3.11	770	3.40	3.47	
Shearmen -----	23	\$2.59	\$2.62	160	3.49	3.59			157	3.06	3.11	766	3.40	3.47		
	9	-	-	12	3.07	3.15	First-power engineers -----	13	478	3.15	3.31	109	3.75	3.94		
	10	-	-	17	3.80	3.88			29	3.06	3.22	-	-	-		
	11	-	-	60	3.58	3.74			14	29	3.13	3.29	22	3.53	3.72	
	12	-	-	31	3.98	4.07			15	24	3.20	3.37	-	-	-	
Wire																
Bundlers -----	5	19	2.51	2.54	173	2.98	3.02	Janitors -----	18	1,446	2.29	2.36	159	4.07	4.29	
		19	2.51	2.54	128	3.00	3.04			1	451	2.29	2.34	-	-	-
Nail-machine operators -----	4	-	-	-	149	3.75	3.80			2	993	2.29	2.37	-	-	-
	11	-	-	-	147	3.76	3.81	Laborers -----	1	4,980	2.30	2.39	1,000	2.52	2.61	
Straighten and cut operators -----	7	11	2.71	2.75	78	3.21	3.28			1	36	2.29	2.32	-	-	-
		7	-	-	55	3.12	3.18			2	4,427	2.29	2.37	736	2.50	2.58
Wire drawers (continuous) -----	62	2.81	2.86	1,035	3.63	3.70	Locomotive crane men -----	4	394	2.42	2.53	-	-	-		
	8	-	-	261	3.54	3.59			8	241	2.98	3.09	367	3.40	3.52	
	9	-	-	229	3.62	3.68			9	4	2.71	2.74	11	3.17	3.21	
	10	41	2.86	2.90	537	3.70	3.76			10	8	2.77	2.83	-	-	-
Tube Finishing																
Cut-off machine operators -----	5	23	2.54	2.61	345	3.14	3.22	Locomotive engineers (general) -----	12	174	2.85	2.96	-	-	-	
	6	-	-	-	148	2.86	2.97			11	138	3.02	3.16	1,154	3.67	3.86
	7	-	-	-	142	3.34	3.41			13	-	-	482	3.68	3.87	
Hydrastatic testers -----	15	2.63	2.69	170	3.20	3.26	Machinists -----	16	1,507	3.26	3.32	2,091	3.66	3.84		
	7	-	-	49	3.37	3.40			1,498	3.27	3.32	2,091	3.72	3.86		
	8	-	-	50	3.09	3.15	Millwrights -----	14	943	3.13	3.23	2,581	3.56	3.71		
Pipe straighteners -----	31	2.56	2.66	242	3.22	3.29			16	869	3.12	3.22	2,545	3.56	3.71	
	4	-	-	17	2.81	2.90	Millwrights helpers -----	6	4	3.27	3.35	-	-	-		
	5	-	-	39	2.91	2.96			4	418	2.59	2.69	1,896	2.96	3.07	
	6	-	-	10	2.84	2.88	Motor inspectors -----	14	273	2.57	2.66	1,865	2.95	3.07		
	8	-	-	59	3.08	3.15			16	666	3.16	3.30	1,717	3.56	3.72	
	9	-	-	67	3.46	3.53	Pipefitters -----	16	500	3.13	3.26	1,562	3.54	3.71		
	10	-	-	36	3.49	3.56			16	132	3.26	3.42	132	3.65	3.82	
Maintenance and Services																
Automotive repairmen -----	12	367	3.10	3.20	325	3.55	3.66	Pipefitters helpers -----	13	757	3.06	3.12	1,011	3.45	3.54	
	14	286	3.13	3.23	233	3.63	3.73			13	357	3.06	3.12	985	3.45	3.55
	15	11	3.20	3.31	-	-	-	Roll turners -----	6	354	2.57	2.62	511	2.86	2.95	
Boilermakers -----	15	416	3.20	3.26	706	3.63	3.69			200	2.57	2.62	511	2.86	2.95	
		15	3.20	3.26	697	3.62	3.68	Toolmakers -----	15	200	3.20	3.25	270	3.69	3.75	
										15	195	3.20	3.24	226	3.64	3.70
								Wiremen electricians -----	16	86	3.40	3.40	15	4.19	4.21	
										18	82	3.40	3.41	14	4.22	4.24
										16	744	3.26	3.31	784	3.84	3.92
										17	730	3.27	3.31	674	3.81	3.88
											-	-	101	4.06	4.22	

¹ Tabulation limited to establishments having a common job evaluation system, the same minimum hourly rate of \$2.285 (including an 18½-cent cost-of-living allowance), and the same wage increment (7 cents) between job classes.² Job classes for which data are presented separately are limited to those reported by 3 or more companies and meeting other publication criteria. Estimates for the overall occupational classification includes data for all job classes reported, whether or not shown separately.³ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.⁴ Includes premium pay for work on Sundays and late shifts, but excludes premium pay for overtime and work on holidays.

Dashes indicate no data or data that do not meet publication criteria.

Appendix A: Scope and Method of Survey

Scope of Survey

The survey included establishments primarily engaged in: (1) Manufacturing hot metal, pig iron, and ferroalloys from iron ore and iron and steel scrap (blast furnaces); converting pig iron, scrap iron and scrap steel into steel (steelworks); and hot-rolling iron and steel into basic shapes such as plates, sheets, strips, rods, bars, and tubing (rolling mills); (2) drawing wire and manufacturing nails and spikes from purchased iron or steel materials; (3) cold rolling steel sheets, strips and bars from purchased hot-rolled steel sheets or bars and producing other cold-finished steel; and (4) producing welded or seamless steel pipe and tubes and heavy riveted steel pipe from purchased materials. (Part of industry 3312 and industries 3315, 3316, and 3317 as defined in the 1957 edition of the Standard Industrial Classification Manual, prepared by the Bureau of the Budget.)

The survey excluded merchant coke ovens (part of industry 3312), establishments primarily engaged in manufacturing ferro and nonferrous additive alloys by electrometallurgical processes (industry 3313); establishments producing solely for the use of a parent company classified in other than the steel industry; and establishments employing fewer than 250 workers. Separate auxiliary units such as central offices were also excluded.

Method of Study

Data were obtained from individual company reports submitted to the American Iron and Steel Institute, in connection with that organization's regular data-reporting program, and expanded to accommodate the occupational requirements of the Bureau's study. The information reported related to a representative payroll period during the first quarter of 1962.

Bureau of Labor Statistics staff selected the occupations to be studied separately, participated in the development of the supplemental forms, instructions, and definitions required in the occupational survey, and reviewed all reports for completeness and conformity with definitions and instructions.

Information used in the development of the industry average and the distribution of all production and related workers by earnings classes (table 1) was obtained from companies employing slightly more than four-fifths of the 484,600 workers estimated to be within scope of the survey. The employment estimates provided in this tabulation relate to the entire industry as previously defined.

The occupational portion of the study (tables 2 through 4) was limited to plants using the CWS job evaluation system, having the same minimum rate, and employing the same wage increment between job classes. The estimates provided in this portion of the study relate to those plants reporting; such plants employed 325,100 production and related workers at the time of the study and accounted for nearly all workers employed under this common job evaluation and rate system.

Information was obtained from reports prepared on a companywide basis, combining data for all plants within scope of the study.

Production Workers

The term "production workers," as used in this report, includes working foremen and all nonsupervisory workers engaged in nonoffice functions.

Excluded from the study were administrative, executive, professional, and technical personnel, and force-account construction employees, who were utilized as a separate work force on the firm's own properties.

Occupations Selected for Study

Occupational classification was based on the standard job titles and codes used by companies having the CWS job evaluation system. (See appendix C.) The occupations were chosen for their numerical importance, their usefulness in collective bargaining, or their representativeness of the pay structure in the industry.

Wage Data

The wage information in table 1 relates to average straight-time hourly earnings, excluding premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems and cost-of-living allowances were included as part of the workers' regular pay, but non-production bonus payments, such as Christmas or yearend bonuses, were excluded.

Two earnings' definitions were used in the occupational portion of the study: (a) Straight-time hourly earnings, as defined above, and (b) straight-time hourly earnings, plus premium pay for work on Sundays and late shifts.

Average-hourly rates for each occupation or other group of workers, such as time-rated workers, incentive-paid workers, or all (production) workers were obtained by dividing the sum of the man-hours into the appropriate payroll totals for the group.

Information on the distribution of all workers by earnings classes (table 1), was obtained from company reports providing man-hours and payroll aggregates for each job class (or earnings class for companies not having the standard job evaluation system), separately for time-rated workers, workers with incentive earnings based on standard or occupational rates, and workers with incentive earnings independent of standard or occupational rates. The average hourly earnings for each group was obtained by dividing total man-hours into the total straight-time payroll. The number of workers was obtained by dividing standard scheduled hours into the man-hours total.

Appendix B: Schedule of Hourly Rates in Plants Having a Common Job Evaluation System

Schedule of hourly rates in iron and steel plants having a common job evaluation system,¹ the same minimum rate, and uniform wage increments between job classes, March 1962²

Job class	Hourly rates		Job class	Hourly rates	
	Standard ³	Including cost-of-living allowance		Standard ³	Including cost-of-living allowance
1-2 ⁴ -----	\$ 2.10	\$2.285	18 -----	\$ 3.22	\$ 3.405
3 -----	2.17	2.355	19 -----	3.29	3.475
4 -----	2.24	2.425	20 -----	3.36	3.545
5 -----	2.31	2.495	21 -----	3.43	3.615
6 -----	2.38	2.565	22 -----	3.50	3.685
7 -----	2.45	2.635	23 -----	3.57	3.755
8 -----	2.52	2.705	24 -----	3.64	3.825
9 -----	2.59	2.775	25 -----	3.71	3.895
10 -----	2.66	2.845	26 -----	3.78	3.965
11 -----	2.73	2.915	27 -----	3.85	4.035
12 -----	2.80	2.985	28 -----	3.92	4.105
13 -----	2.87	3.055	29 -----	3.99	4.175
14 -----	2.94	3.125	30 -----	4.06	4.245
15 -----	3.01	3.195	31 -----	4.13	4.315
16 -----	3.08	3.265	32 -----	4.20	4.385
17 -----	3.15	3.335			

¹ Commonly referred to as the "Cooperative Wage Study" (CWS) system.

² Rates effective October 1, 1961.

³ All employees received the 18½-cent cost-of-living allowance in effect March 1962. This figure was added to the hourly rate of time-rated workers and to the earnings of workers paid on an incentive basis. The standard rate was used as the basis for computing earnings of most incentive paid workers.

⁴ The same hourly rate applied to job classes 1 and 2.

Appendix C: Selected Occupations—Standard Titles and Codes

Following is a list of the occupations selected for study in plants using the job evaluation system commonly referred to as the "Cooperative Wage Study" (CWS) system and having the same minimum hourly rate and wage increment between the 32 job classes. The standard title, the standard code, and the predominant function is given for each of the occupations which are arranged alphabetically by major department. Data reported for the occupations listed under "Maintenance and Services" include workers in all departments. Data reported for craft jobs were limited to employees paid standard or journeymen rates. Employees paid intermediate or starting rates were excluded.

Coke Works and Byproducts

<u>BENZOL STILLMAN</u>	<u>AA-05560</u>
Operate refining and distillation equipment.	
<u>DOOR MACHINE OPERATOR</u>	<u>AA-03050</u>
Operate machine to remove and replace coke oven doors.	
<u>HEATER</u>	<u>AA-01800</u>
Heat material to specified temperatures.	
<u>LIDMAN</u>	<u>AA-02020</u>
Remove and replace coke oven lids.	
<u>PUSHER OPERATOR</u>	<u>AA-03750</u>
Push coke from oven; level charge.	
<u>WHARFMAN</u>	<u>AA-06150</u>
Manipulate gates to feed material to conveyor belts, quenches, etc.	

Blast Furnaces, Docks, and Ore Handling

<u>CINDER SNAPPER</u>	<u>AB-05430</u>
Prepare and maintain cinder runner on blast furnace.	
<u>FIRST BLOWING ENGINEER</u>	<u>KA-01320</u>
Operate blowing engines and equipment supplying air to operating units.	
<u>KEEPER</u>	<u>AB-01940</u>
Direct and assist in the work activities necessary to the proper operation of a blast furnace casthouse.	

<u>KEEPER HELPER</u>	<u>AB-01945</u>
Assist in the work activities necessary to the proper operation of a blast furnace casthouse.	
<u>LARRYMAN</u>	<u>AB-01970</u>
Load and operate larry car to charge material into blast furnaces, coke ovens, etc. May operate skip hoists, scales, record data, etc.	
<u>ORE-BRIDGE CRANEMAN</u>	<u>AB-00890</u>
Operate bridge crane to handle bulk material.	
<u>SINTER-MACHINE OPERATOR</u>	<u>AB-03910</u>
Operate various controls governing speed of sintering, regulating burners, etc.	
<u>STOCK UNLOADER</u>	<u>AB-06030</u>
Unload materials or products from railroad cars, trucks, barges, or boats. May use auxiliary equipment, such as, vibrators, spuds, conveyors, pumps, etc.	

Open Hearth

<u>CHARGING-MACHINE OPERATOR</u>	<u>AD-02890</u>
Operate mobile charging or drawing equipment to charge and/or draw material or product into or from furnaces.	
<u>FIRST HELPER</u>	<u>AD-01830</u>
Operate open hearth or electric arc furnace to produce steel.	
<u>LADLE CRANEMAN</u>	<u>AD-00940</u>
Operate EOT crane to handle molten metal.	
<u>RAW MATERIALS STOCKER</u>	<u>AD-05600</u>
Unload and stock raw materials; fill and trim charging boxes with raw materials, scrap, etc.	
<u>SECOND HELPER</u>	<u>AD-01840</u>
Assist open hearth or electric furnace first helper as directed.	
<u>SECOND STEEL POURER</u>	<u>AD-04560</u>
Assist first steel pourer as directed.	
<u>STOCKYARD CRANEMAN</u>	<u>AD-00900</u>
Operate EOT crane to load, unload or handle bulk material, such as, ore, limestone, coal or coke, scrap, sinter, slag, and cinder.	

Electric Furnaces

<u>FIRST HELPER</u>	<u>AE-01830</u>
Operate open hearth or electric arc furnace to produce steel.	
<u>MOULDMAN</u>	<u>AE-02580</u>
Prepare moulds and stools to receive molten metal.	
<u>STOPPER MAKER</u>	<u>AE-02420</u>
Prepare and assemble stopper rods.	

Blooming, Slabbing, and Billet MillsBLOOMING- AND SLABBING-MILL ROLLER AG-04960

Roll or direct the rolling and processing of steel to specification; dismantle, adjust, and maintain mill and processing equipment.

BOTTOM MAKER AG-02150

Use refractory materials, coke breeze, etc., to make and repair bottoms on soaking pits and/or heating or reheating furnaces.

GUIDE SETTER AG-05190

Set and adjust guides and screwdowns; may grind guides, adjust rolls, etc.

LEVERMAN AG-02000

Operate controls governing the passage of material through a mill stand or stands.

MANIPULATOR AG-02480

Coordinate with roller to manipulate product in the various rolling processes.

SOAKING-PIT CRANEMAN AG-00990

Charge and draw ingots for rolling.

SOAKING-PIT HEATER AG-01800

Heat material to specified temperatures.

Bloom, Slab, and Billet Conditioning and ShippingHOOKER AH-01860

Perform crane hooking, following, and unhooking.

SCARFER AH-05080

Remove defects from product with portable scarfing torch.

Continuous Hot-Strip MillsASSORTER BH-00070

Manually or by use of mechanical equipment, inspect and classify sheet and tin product, such as tin, terne, zinc galvanize, or black plate.

BANDER BA-00190

Manually or mechanically band material or product.

COILER BA-00780

Operate controls to coil or recoil hot or cold product. May band or tag.

COIL FEEDER BC-01450

Manually or mechanically feed material into a processing unit.

COLD-STRIP SLITTER BF-05410

Operate slitting machine to side trim material to specified width or to cut wide material into multiples.

<u>HEATER</u>	<u>BA-01800</u>
Heat material to specified temperatures.	
<u>LOADER</u>	<u>BK-02060</u>
Load material or product for shipment into railroad cars, trucks, barges, boats, etc.	
<u>ROUGHER</u>	<u>BA-04990</u>
Rough or direct the roughing of steel through a roughing stand or stands and the operations of related equipment.	
<u>STRIP FINISHER</u>	<u>BA-01520</u>
Set up, adjust and/or operate finishing roll stand or stands in rolling processes.	
<u>STRIP-MILL CRANEMAN</u>	<u>BA-00970</u>
Operate EOT crane to provide service for mill crews, maintenance crews, finishing department, and service shops in such work as changing of rolls, removal of cobbles, handling of machines, equipment parts, and construction material in maintenance, installation, and repair. This excludes cranes on which product handling is the predominant work.	
<u>TANDEM-MILL ROLLER</u>	<u>BD-04960</u>
Roll or direct the rolling and processing of steel to specification; dismantle, adjust, and maintain mill and processing equipment.	
<u>TRACTOR OPERATOR</u>	<u>BD-04170</u>
Operate 3- or 4-wheel tractor equipped with fork, bucket, ram, blade, winch, under-slung cradle, or other attachments to transport or tow trailers, tools, material, or equipment.	
<u>Plates</u>	
<u>BURNING-MACHINE OPERATOR</u>	<u>CC-02830</u>
Set up and operate burning machine to cut product or scrap. May mark, lay out, tack weld, etc.	
<u>LAYEROUT</u>	<u>CC-01980</u>
Lay out material from prints or specifications for processing, fabrication, etc.	
<u>Bars</u>	
<u>ASSISTANT BAR-MILL ROLLER</u>	<u>EA-04970</u>
Assist roller in the direction and rolling of steel and the dismantling, adjustment, and maintenance of mill and processing equipment.	
<u>BAR CATCHER</u>	<u>EA-00520</u>
Remove tongs from welded skelp and place on conveyor returning to welder.	
<u>BAR-MILL ROUGHER</u>	<u>EA-04990</u>
Rough or direct the roughing of steel through a roughing stand or stands and the operations of related equipment.	
<u>CHARGER</u>	<u>EA-00570</u>
Manually or by use of mechanical devices, charge material or product into furnaces.	

<u>COILER</u>	<u>EC-00780</u>
Operate controls to coil or recoil hot or cold product. May band or tag.	
<u>ROD FINISHER</u>	<u>EC-01520</u>
Set up, adjust and/or operate finishing roll stand or stands in rolling processes.	
<u>SHEARMAN</u>	<u>EB-05290</u>
Operate and/or direct the operation of shear controls to shear product.	

Wire

<u>BUNDLER</u>	<u>GE-00410</u>
Group and bundle material or product.	
<u>NAIL-MACHINE OPERATOR</u>	<u>GL-03580</u>
Operate machines to produce a variety of nails.	
<u>STRAIGHTEN AND CUT OPERATOR</u>	<u>GC-04030</u>
Operate machine to straighten and cut material.	
<u>WIRE DRAWER (CONTINUOUS)</u>	<u>GA-01150</u>
Operate various kinds of wire drawing units to draw wire.	

Tube Finishing

<u>CUT-OFF MACHINE OPERATOR</u>	<u>FH-03010</u>
Operate lathe or roll type machine to cut off, chamfer, trim, bevel, or cut to length.	
<u>HYDRASTATIC TESTER</u>	<u>90073</u>
Make electrical, physical, or metallurgical tests, such as, tensile, heattreat, hardness, etch, bend, etc., by application of established methods, procedures, and standards.	
<u>PIPE STRAIGHTENER</u>	<u>FH-05610</u>
Manually or mechanically straighten product or material.	

Maintenance and Services

<u>AUTOMOTIVE REPAIRMAN</u>	<u>LF-04860</u>
Inspect, repair, replace, and maintain any and/or all types of power-driven mobile equipment, such as, locomotives, tractors, trucks, automobiles, locomotive cranes, bulldozers, etc.	
<u>BOILERMAKER</u>	<u>LP-02140</u>
Perform functions of a craft boilermaker.	
<u>BRICKLAYER</u>	<u>LK-00360</u>
Perform functions of a craft bricklayer.	
<u>CARPENTER</u>	<u>LD-00470</u>
Perform functions of a craft carpenter.	

<u>FIRST-POWER ENGINEER</u>	<u>KD-01380</u>
Operate, inspect, and adjust gas engine, steam or turbogenerators, and auxiliary equipment in powerplant.	
<u>JANITOR</u>	<u>MA-01930</u>
Perform general cleanup and janitorial duties.	
<u>LABORER</u>	<u>MD-01950</u>
Perform a variety of general labor duties.	
<u>LOCOMOTIVE CRANEMAN</u>	<u>MK-00930</u>
Operate any type of mobile crane to handle or transport tools, material, or equipment.	
<u>LOCOMOTIVE ENGINEER (GENERAL)</u>	<u>MK-01350</u>
Operate narrow or standard gage locomotive.	
<u>MACHINIST</u>	<u>LJ-02100</u>
Perform functions of craft machinist.	
<u>MILLWRIGHT</u>	<u>LB-02530</u>
Inspect, repair, replace, install, adjust, and maintain all mechanical equipment in major producing departments or in an assigned area.	
<u>MILLWRIGHT HELPER</u>	<u>LB-02535</u>
Assist millwright in inspecting, repairing, replacing, installing, adjusting, and maintaining all mechanical equipment in major producing departments or in an assigned area.	
<u>MOTOR INSPECTOR</u>	<u>LA-01900</u>
Inspect, repair, replace, install, adjust, and maintain all electrical equipment in major producing departments or assigned area.	
<u>PIPEFITTER</u>	<u>LN-01570</u>
Perform functions of a craft pipefitter.	
<u>PIPEFITTER HELPER</u>	<u>LN-01575</u>
Assist pipefitter in performing functions of a craft pipefitter.	
<u>ROLL TURNER</u>	<u>LQ-06010</u>
Perform functions of a craft roll turner.	
<u>TOOLMAKER</u>	<u>LJ-02460</u>
Perform functions of a craft toolmaker.	
<u>WIREMAN ELECTRICIAN</u>	<u>LE-01310</u>
Perform functions of a craft electrician.	

INDUSTRY WAGE STUDIES

The following reports cover part of the Bureau's program of industry wage surveys. These reports cover the period 1950 to date and may be obtained free upon request as long as a supply is available. However, those for which a price is shown are available only from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., or any of its regional sales offices.

I. Occupational Wage Studies

Manufacturing

Apparel:

Men's Dress Shirts and Nightwear, 1950 - Series 2, No. 80
Men's and Boys' Dress Shirts and Nightwear, 1954 -
BLS Report 74

*Men's and Boys' Shirts (Except Work Shirts) and Nightwear,
1956 - BLS Report 116

Men's and Boys' Shirts (Except Work Shirts) and Nightwear,
1961 - BLS Bulletin 1323 (40 cents)

Men's and Boys' Suits and Coats, 1958 - BLS Report 140

Women's and Misses' Coats and Suits, 1957 - BLS Report 122

Women's and Misses' Dresses, 1960 - BLS Report 193

Work Clothing, 1953 - BLS Report 51

Work Clothing, 1961 - BLS Bulletin 1321 (35 cents)

*Work Shirts, 1955 and 1956 - BLS Report 115

*Work Shirts, 1957 - BLS Report 124

Chemicals and Petroleum:

Fertilizer, 1949-50 - Series 2, No. 77

*Fertilizer Manufacturing, 1955 and 1956 - BLS Report 111

*Fertilizer Manufacturing, 1957 - BLS Report 132

Industrial Chemicals, 1951 - Series 2, No. 87

Industrial Chemicals, 1955 - BLS Report 103

Paints and Varnishes, 1961 - BLS Bulletin 1318 (30 cents)

Petroleum Production and Refining, 1951 - Series 2, No. 83

Petroleum Refining, 1959 - BLS Report 158

Synthetic Fibers, 1958 - BLS Report 143

Food:

Candy and Other Confectionery Products, 1960 -
BLS Report 195

*Canning and Freezing, 1955 and 1956 - BLS Report 117

*Canning and Freezing, 1957 - BLS Report 136

Distilled Liquors, 1952 - Series 2, No. 88

Flour and Other Grain Mill Products, 1961 -
BLS Bulletin 1337 (30 cents)

Fluid Milk Industry, 1960 - BLS Report 174

*Raw Sugar, 1955 and 1956 - BLS Report 117

*Raw Sugar, 1957 - BLS Report 136

Leather:

Footwear, 1953 - BLS Report 46

*Footwear, 1955 and 1956 - BLS Report 115

Footwear, 1957 - BLS Report 133

Leather Tanning and Finishing, 1954 - BLS Report 80

Leather Tanning and Finishing, 1959 - BLS Report 150

Lumber and Furniture:

Household Furniture, 1954 - BLS Report 76

Lumber in the South, 1949 and 1950 - Series 2, No. 76

Southern Lumber Industry, 1953 - BLS Report 45

*Southern Sawmills, 1955 and 1956 - BLS Report 113

*Southern Sawmills, 1957 - BLS Report 130

West Coast Sawmilling, 1952 - BLS Report 7

West Coast Sawmilling, 1959 - BLS Report 156

Wood Household Furniture, Except Upholstered, 1959 -
BLS Report 152

*Wooden Containers, 1955 and 1956 - BLS Report 115

*Wooden Containers, 1957 - BLS Report 126

Paper and Allied Products:

Pulp, Paper, and Paperboard, 1952 - Series 2, No. 91

Pulp, Paper, and Paperboard Mills, 1962 - BLS Bulletin 1341 (40 cents)

Primary Metals, Fabricated Metal Products and Machinery:

Basic Iron and Steel, 1951 - Series 2, No. 81

Fabricated Structural Steel, 1957 - BLS Report 123

Gray Iron Foundries, 1959 - BLS Report 151

Nonferrous Foundries, 1951 - Series 2, No. 82

Nonferrous Foundries, 1960 - BLS Report 180

Machinery Industries, 1953-54 - BLS Bulletin 1160 (40 cents)

Machinery Industries, 1954-55 - BLS Report 93

Machinery Manufacturing, 1955-56 - BLS Report 107

Machinery Manufacturing, 1957-58 - BLS Report 139

Machinery Manufacturing, 1958-59 - BLS Report 147

Machinery Manufacturing, 1959-60 - BLS Report 170

Machinery Manufacturing, 1961 - BLS Bulletin 1309 (30 cents)

Radio, Television, and Related Products, 1951 - Series 2, No. 84

Steel Foundries, 1951 - Series 2, No. 85

Rubber and Plastics Products:

Miscellaneous Plastics Products, 1960 - BLS Report 168

Stone, Clay, and Glass:

Pressed or Blown Glass and Glassware, 1960 - BLS Report 177

Structural Clay Products, 1954 - BLS Report 77

Structural Clay Products, 1960 - BLS Report 172

Textiles:

Cotton Textiles, 1954 - BLS Report 82

Cotton Textiles, 1960 - BLS Report 184

Cotton and Synthetic Textiles, 1952 - Series 2, No. 89

Hosiery, 1952 - BLS Report 34

Miscellaneous Textiles, 1953 - BLS Report 56

*Processed Waste, 1955 and 1956 - BLS Report 115

*Processed Waste, 1957 - BLS Report 124

*Seamless Hosiery, 1955 and 1956 - BLS Report 112

*Seamless Hosiery, 1957 - BLS Report 129

Synthetic Textiles, 1954 - BLS Report 87

Synthetic Textiles, 1960 - BLS Report 192

Textile Dyeing and Finishing, 1956 - BLS Report 110

Textile Dyeing and Finishing, 1961 - BLS Bulletin 1311 (35 cents)

Woolen and Worsted Textiles, 1952 - Series 2, No. 90

Wool Textiles, 1957 - BLS Report 134

Tobacco:

Cigar Manufacturing, 1955 - BLS Report 97

*Cigar Manufacturing, 1956 - BLS Report 117

*Cigar Manufacturing, 1961 - BLS Bulletin 1317 (30 cents)

Cigarette Manufacturing, 1960 - BLS Report 167

*Tobacco Stemming and Redrying, 1955 and 1956 -

BLS Report 117

*Tobacco Stemming and Redrying, 1957 - BLS Report 136

Transportation:

Motor Vehicles and Parts, 1950 - BLS Bulletin 1015 (20 cents)

Motor Vehicles and Motor Vehicle Parts, 1957 - BLS Report 128

Railroad Cars, 1952 - Series 2, No. 86

* Studies of the effects of the \$1 minimum wage.

I. Occupational Wage Studies—Continued

Nonmanufacturing

Auto Dealers Repair Shops, 1958 - BLS Report 141
Banking Industry, 1960 - BLS Report 179
Contract Cleaning Services, 1961 - BLS Bulletin 1327 (25 cents)
Crude Petroleum and Natural Gas Production, 1960 -
BLS Report 181
Department and Women's Ready-to-Wear Stores, 1950 -
Series 2, No. 78
Eating and Drinking Places, 1961 - BLS Bulletin 1329 (40 cents)
Electric and Gas Utilities, 1950 - Series 2, No. 79
Electric and Gas Utilities, 1952 - BLS Report 12
Electric and Gas Utilities, 1957 - BLS Report 135
Hospitals, 1960 - BLS Bulletin 1294 (50 cents)
Hotels, 1960 - BLS Report 173
Hotels and Motels, 1961 - BLS Bulletin 1328 (30 cents)
Life Insurance, 1961 - BLS Bulletin 1324 (30 cents)
Power Laundries and Cleaning Services, 1961 -
BLS Bulletin 1333 (45 cents)
Power Laundries and Dry Cleaners, 1960 - BLS Report 178

II. Other Industry Wage Studies

Communications Workers, Earnings in October 1956 - BLS Report 121
Communications Workers, Earnings in October 1957 - BLS Report 138
Communications Workers, Earnings in October 1958 - BLS Report 149
Communications Workers, Earnings in October 1959 - BLS Report 171
Communications, October 1960 - BLS Bulletin 1306 (20 cents)
Communications, 1961 - BLS Bulletin 1343 (20 cents)
Factory Workers' Earnings - Distributions by Straight-Time Hourly Earnings, 1954 - BLS Bulletin 1179 (25 cents)
Factory Workers' Earnings - 5 Industry Groups, 1956 - BLS Report 118
Factory Workers' Earnings - Distribution by Straight-Time Hourly Earnings, 1958 - BLS Bulletin 1252 (40 cents)
Factory Workers' Earnings - Selected Manufacturing Industries, 1959 - BLS Bulletin 1275 (35 cents)
Wages in Nonmetropolitan Areas, South and North Central Regions, October 1960 - BLS Report 190

Retail Trade, Employee Earnings in June 1962:

Building Materials, Hardware and Farm Equipment Dealers - BLS Bulletin 1338-1 (25 cents)
General Merchandise Stores - BLS Bulletin 1338-2 (40 cents)
Food Stores - BLS Bulletin 1338-3 (35 cents)
Automotive Dealers and Gasoline Service Stations - BLS Bulletin 1338-4 (40 cents)
Apparel and Accessory Stores - BLS Bulletin 1338-5 (40 cents)
Furniture, Home Furnishings, and Household Appliance Stores - BLS Bulletin 1338-6 (40 cents)
Miscellaneous Retail Stores - BLS Bulletin 1338-7 (35 cents)

Regional Offices

U. S. Department of Labor
Bureau of Labor Statistics
18 Oliver Street
Boston 10, Mass.

U. S. Department of Labor
Bureau of Labor Statistics
341 Ninth Avenue
New York 1, N. Y.

U. S. Department of Labor
Bureau of Labor Statistics
1371 Peachtree Street, NE.
Atlanta 9, Ga.

U. S. Department of Labor
Bureau of Labor Statistics
1365 Ontario Street
Cleveland 14, Ohio

U. S. Department of Labor
Bureau of Labor Statistics
105 West Adams Street
Chicago 3, Ill.

U. S. Department of Labor
Bureau of Labor Statistics
630 Sansome Street
San Francisco 11, Calif.